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日本の主要地熱地域の
熱水の化学組成

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所長 小林 勇

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熱水の化学組成

編集

比留川 貴・安藤直行・角 清愛

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日本の主要地熱地域の熱水の化学組成

編集

比留川 貴*・安藤 直行*・角 清 愛**

要 旨

わが国における主要地熱地域30地域に分布する熱水（温泉水）の化学組成資料 2,325 種を収集し、一定の方式にしたがって整理・再計算して編集した。この作業の大部分は、昭和48年度から昭和50年度にわたって実施された「全国地熱基礎調査」のうちの「地化学調査」の中で行われたものである。

記載されたデータは水温、31成分、6 当量比および10当量百分率である。31成分は蒸発残留物、pH 値（野外および実験室の値）、 H^+ 、 K^+ 、 Na^+ 、 NH_4^+ 、 Ca^{2+} 、 Mg^{2+} 、 $Fe^{2+}+Fe^{3+}$ (as Fe^{2+})、 Mn^{2+} 、 Zn^{2+} 、 Cu^{2+} 、 Pb^{2+} 、 Al^{3+} 、 Cl^- 、 Br^- 、 I^- 、 F^- 、 OH^- 、 $SO_4^{2-}+HSO_4^-+H_2SO_4$ (as SO_4^{2-})、 $S_2O_3^{2-}+HS_2O_3^-$ (as $S_2O_3^{2-}$)、 HCO_3^- 、 CO_3^{2-} 、 $SiO_3^{2-}+HSiO_3^-+H_2SiO_3$ (as SiO_2)、 $BO_2^-+HBO_2$ (as HBO_2)、 $PO_4^{3-}+HPO_4^{2-}+H_2PO_4^-+H_3PO_4$ (as H_3PO_4)、 $AsO_2^-+HAsO_2+HAsO_3^{2-}+H_2AsO_3^-$ (as $HAsO_2$)、 CO_2 、 HS^-+H_2S (as H_2S) および Rn である。6 当量比は、地下の地熱貯留層の温度を推定するのに役立つ Na/K、Ca/(HCO_3+CO_3)、Mg/Ca、Na/Ca、Cl/(HCO_3+CO_3) および Cl/F である。10の当量百分率は Cl— SO_4 —(HCO_3+CO_3)、(Na+K)—Ca—Mg、(Cl+ SO_4)—(HCO_3+CO_3) および (Na+K)—(Ca+Mg) の4つの組合せのそれぞれの当量百分率である。

最後に、10の当量百分率と環境問題を指示する Zn、Cu、Pb、As および H_2S の特定成分含量を 3 角図、菱形図または頻度分布図・表に示した。

ま え が き

地熱資源探査の最初の段階は、常に地熱徴候の目録作りであり、地熱徴候の中で最も重要なものが温泉であることは論をまたない。このため、地熱調査の最初期においては、該当する地域およびその周辺地域の地下水の化学分析を行い、その結果を探査・評価に利用することは、今日世界的な常識となっている。また、地熱流体の化学的性質は、探査面からだけでなく、利用面、たとえば、材料問題および環境問題などにも大いに関係があり、調査の初期にはぜひとも明らかにしておかねばならないことである。

本報告は、この目的のために全国の主要地熱地域30地域の熱水 2,325 の既知化学組成を収録したものである。本報告に用いた資料は、昭和48年度から50年度にわたる 3 年間に「全国地熱基礎調査」のうちの「地化学調査」として収集・整理されたものである。

わが国の地熱地帯における地化学調査は、昭和20年代以降、大学を中心とする研究的な調査を除けば、主として地質調査所が実施して来ており、近年では、地熱の探査・開発を行う企業者も独自で実施するようになった。しかし、これらの調査内容は、決して十分なものはかりとはいえない。

一方わが国には「温泉」という療養・厚生資源があり、これについては温泉法（昭和23年7月）が制定され、この法に基づいた温泉分析法が標準化され（衛生検査指針 VI，鉱泉分析法，厚生省，1957），この分析法による全国的な温泉の化学分析が実施され、ほう大な数にのぼるデータが出されている。しか

* 技術部

** 地熱熱部

し、この温泉サイドの分析調査は、昭和24年以降各都道府県に委譲され（それ以前は国立機関で実施）たため、調査・研究の進捗度は各自治体によりまちまちである。さらに、データの出版についてはこの傾向がさらに著しく、まったく出版されていない自治体も少なくない。

戦前の温泉分析データは、東京衛生試験所などが所管しており、「衛生試験所彙報」として編集・出版された。地質調査所においては、この報告書を利用して日本鉱産誌B VI-a、「地熱および温泉・鉱泉」の「温泉・鉱泉別表」が編集された。また、温泉の成分に関する統計学的な研究（西村、1955 および UZUMASA, 1965）も行われた。

地質調査所においては、従来から地熱・温泉のみならず工業用の地下水資源および天然ガス・石油などに伴う地下水の地球化学的な研究が続けられて来た。これら「地下の水」の研究内容には互いに共通点が多く、同一の試料についても研究対象のちがいで分類している例も見られる。したがって、研究対象によりそのデータの処理法も異なり、例えば、浴用を主とする温泉については治療効果の面からのデータ処理が行われている。地熱資源の全国調査にあたり、従来のデータをその目的に合致するように再処理することは、緊急に必要なことと考えられるのである。

本報告は、以上のべたような目的および背景のもとで編集されたものである。本書が日本の地熱資源開発の調査・研究に広く利用されることを切望する次第である。

謝 辞

本報告書の取りまとめは実際の化学分析は行わずに、既存のデータを収集・整理することによって進められたから、データの提供があつて始めてできたものである。したがって、このデータ、とくに未公表分の主たる提供者である各地方自治体御当局に対し、ここに深甚な謝意を表する次第である。また、グループ員として本調査に御協力いただいた地質調査所の研究者の方がた、および各市町村、企業の方がたにもあわせて御礼申し上げる。これらの方がたの名称あるいは氏名を下に記して謝意を表する。

| No. | 地 域 名 | 収 集・整 理 | 協 力 |
|-----|--------|-----------------|--|
| 1 | 豊羽・定山溪 | 五十嵐昭明・比留川貴 | 北海道衛生研究所 |
| 2 | 支笏・洞爺 | 五十嵐昭明・室住正世・比留川貴 | 〃 |
| 3 | 駒が岳北部 | 五十嵐昭明・比留川貴 | 〃, 前田憲二郎 |
| 4 | 駒が岳南部 | 五十嵐昭明・比留川貴 | 北海道衛生研究所, 森・渡島保健所 |
| 5 | 十勝川上流 | 五十嵐昭明・比留川貴 | 北海道衛生研究所, 帯広・新得保健所 |
| 6 | 下北 | 阿部智彦 | 青森県衛生研究所 |
| 7 | 八甲田 | 阿部智彦・比留川貴 | 〃 |
| 8 | 八幡平北部 | 阿部智彦 | 秋田県衛生科学研究所, 三菱金属 ^㉑ |
| 9 | 八幡平南部 | 阿部智彦 | 岩手県衛生研究所, 秋田県衛生科学研究所, 日本重化学工業 ^㉒ |
| 10 | 栗駒北部 | 阿部智彦・角 清愛 | 秋田県衛生科学研究所, 同和鉱業 ^㉓ |
| 11 | 栗駒南部 | 阿部智彦・比留川貴 | 山形県衛生研究所, 宮城県衛生研究所 |
| 12 | 肘折 | 阿部智彦・比留川貴 | 山形県衛生研究所 |
| 13 | 蔵王 | 阿部智彦・比留川貴 | 〃, 宮城県衛生研究所 |
| 14 | 吾妻北部 | 阿部智彦・比留川貴 | 山形県衛生研究所 |
| 15 | 吾妻南部 | 阿部智彦 | 福島県衛生研究所 |
| 16 | 那須 | 阿部喜久男 | 栃木県衛生環境部, 同電気局 |
| 17 | 白根北部 | 池田喜代治 | 長野県衛生公害研究所 |
| 18 | 白根南部 | 阿部喜久男 | 群馬県衛生研究所 |
| 19 | 北アルプス | 川野昌樹 | 富山県衛生研究所 |
| 20 | 焼岳 | 永田松三・池田喜代治 | 岐阜県衛生研究所, 吉城郡上宝村, 長野県衛生公害研究所, 南安曇郡安曇村 |
| 21 | 白山 | 川野昌樹 | 石川県衛生研究所 |

| | | | |
|----|------|-----------------------|---|
| 22 | 伊豆北部 | 川野昌樹 | 静岡県衛生部薬務課，同企画調整部 |
| 23 | 伊豆南部 | 川野昌樹・阿部喜久男 | 〃 |
| 24 | 紀伊山地 | 比留川貴 | 奈良県厚生部環境衛生課，同吉野郡十津川村，和歌山県衛生部薬務課，同東牟婁郡本宮町 |
| 25 | 美方 | 黒田和男・宮村学 望月常一・坂巻幸雄 | 兵庫県衛生部薬務課，浜坂保健所 |
| 26 | 湧蓋 | 永井茂 | 大分県環境保健部，同玖珠郡九重町，熊本県衛生公害研究所，同阿蘇郡小国町，同南小国町 |
| 27 | 阿蘇 | 永井茂 | 熊本県衛生研究所，阿蘇町，長陽村 |
| 28 | 霧島 | 安藤武・比留川貴 | 鹿児島県企画部開発課，同衛生部公衆衛生課 |
| 29 | 薩南 | 永井茂 | 鹿児島県指宿市，同山川町，同開聞町 |
| 30 | 南西諸島 | 比留川貴・角清愛 | |

例 言

1. 概 要

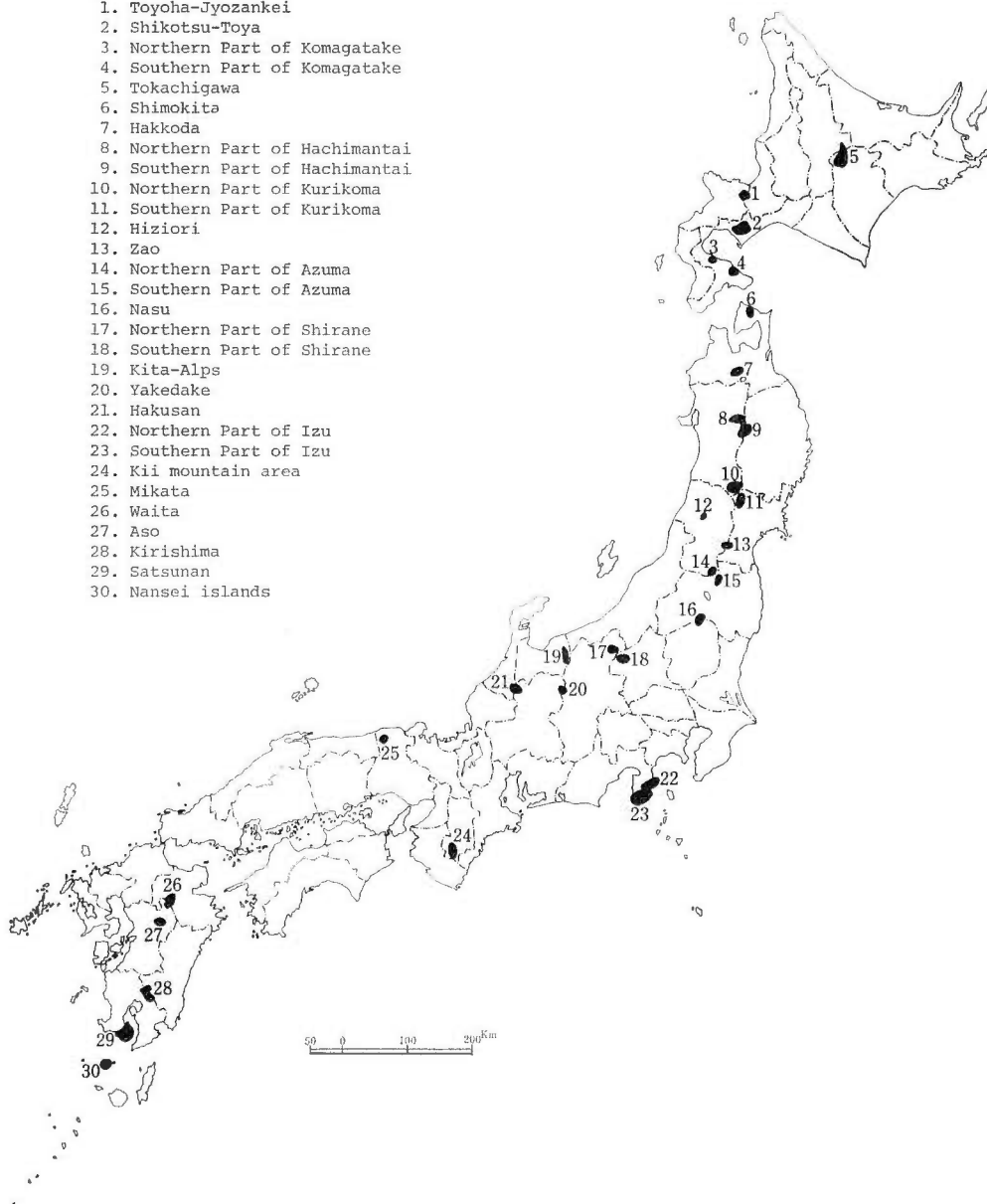
本報告は，全国の主要地熱地域30地域の熱水2,325の化学組成を収録したものである。このため公表あるいは未公表の資料を収集し，一定の方式にあてはめて分析・測定値などを整理したものである。資料として取りあげたものは，都道府県衛生研究所などによる依頼分析結果（昭和24年温泉法施行以後のもの），大学などによる研究報告および地質調査所資料などである。

2. 調査地域および地域名コード

調査した地域は次の30地域（全国的な位置は図参照）で，これは昭和48年～50年度に実施された「全国地熱基礎調査」の調査地域であり，地域名もそれと一致している。なお，下記には試料およびダイアグラムに使用した地域名コードが併記してある。

| No. | 地 域 名 | 道・県 名 | 地域名コード | |
|-----|--------|---------|--------|-------------------|
| | | | 試料 | ダイアグラム |
| 1 | 豊羽・定山溪 | 北 海 道 | T J C | TOYOH- JOZANKEI |
| 2 | 支笏・洞爺 | 〃 | S Y C | SHIKOTSU- TOYA |
| 3 | 駒が岳北部 | 〃 | N G C | NORTH KOMAGATAKE |
| 4 | 駒が岳南部 | 〃 | S K C | SOUTH KOMAGATAKE |
| 5 | 十勝川上流 | 〃 | T K C | TOKACHI UPSTREAM |
| 6 | 下 北 | 青 森 県 | S M C | SHIMOKITA |
| 7 | 八甲田 | 〃 | H K C | HAKKODA |
| 8 | 八幡平北部 | 秋 田 県 | H N C | NORTH HACHIMANTAI |
| 9 | 八幡平南部 | 秋田県，岩手県 | H S C | SOUTH HACHIMANTAI |
| 10 | 栗駒北部 | 秋 田 県 | K N C | NORTH KURIKOMA |
| 11 | 栗駒南部 | 山形県，宮城県 | K S C | SOUTH KURIKOMA |
| 12 | 肘 折 | 山 形 県 | H J C | HIJI-ORI |
| 13 | 蔵 王 | 宮城県，山形県 | Z O C | ZAO |
| 14 | 吾妻北部 | 山 形 県 | A N C | NORTH AZUMA |
| 15 | 吾妻南部 | 福 島 県 | T Y C | SOUTH AZUMA |
| 16 | 那 須 | 栃 木 県 | N S C | NASU |
| 17 | 白根北部 | 長 野 県 | S N C | NORTH SHIRANE |
| 18 | 白根南部 | 群 馬 県 | S S C | SOUTH SHIRANE |
| 19 | 北アルプス | 富 山 県 | A P C | KITA ALPS |

1. Toyoha-Jyozankei
2. Shikotsu-Toya
3. Northern Part of Komagatake
4. Southern Part of Komagatake
5. Tokachigawa
6. Shimokita
7. Hakkoda
8. Northern Part of Hachimantai
9. Southern Part of Hachimantai
10. Northern Part of Kurikoma
11. Southern Part of Kurikoma
12. Hiziori
13. Zao
14. Northern Part of Azuma
15. Southern Part of Azuma
16. Nasu
17. Northern Part of Shirane
18. Southern Part of Shirane
19. Kita-Alps
20. Yakedake
21. Hakusan
22. Northern Part of Izu
23. Southern Part of Izu
24. Kii mountain area
25. Mikata
26. Waita
27. Aso
28. Kirishima
29. Satsunan
30. Nansei islands



| | | | | |
|----|------|-----------|-------|----------------|
| 20 | 焼岳 | 岐阜県, 長野県 | Y K C | YAKEDAKE |
| 21 | 白山 | 石川県 | H A C | HAKUSAN |
| 22 | 伊豆北部 | 静岡県 | I N C | NORTHERN IZU |
| 23 | 伊豆南部 | 〃 | I S C | SOUTHERN IZU |
| 24 | 紀伊山地 | 奈良県, 和歌山県 | K I C | KII MOUNTAIN |
| 25 | 美方 | 兵庫県 | M K C | MIKATA |
| 26 | 湧蓋 | 熊本県, 大分県 | W T C | WAITA |
| 27 | 阿蘇 | 〃 | A S C | ASO |
| 28 | 霧島 | 鹿児島県 | K R C | KIRISHIMA |
| 29 | 薩南 | 〃 | S T C | SATSUNAN |
| 30 | 南西諸島 | 〃 | S W C | NANSEI ISLANDS |

3. データの処理

収集されたデータは、データシートに記入し、データカード穿孔の過程を経て、電算機 (TOSBAC 3400) によって処理され、次の4図表が作図あるいは作表された。

水質一覧表

水質組成図

特定成分含量の頻度分布表

特定成分含量の頻度分布図

4. 水質一覧表

i) 成分項目の表示

衛生研究所の測定値のなかには、一種類の測定法で求めた値について分析法 (衛生検査指針Ⅵ: 厚生省編纂1957) に従って、二種類以上の成分に分けて表示している例が少なくない。例えば、ケイ酸化合物については SiO_2 , HSiO_3 および H_2SiO_3 などとなっている。このような場合には次表に示す成分項目に統一し、それぞれの値を再計算して表示してある。

| 成分名 | 原 資 料 | 本報告 |
|---------|--|-------------------------|
| 硫 酸 | SO_4 , HSO_4 , H_2SO_4 | SO_4 |
| チ オ 硫 酸 | S_2O_3 , HS_2O_3 | S_2O_3 |
| 燐 酸 | PO_4 , HPO_4 , H_2PO_4 , H_3PO_4 | H_3PO_4 |
| 亜 ヒ 酸 | AsO_2 , HAsO_2 , HAsO_3 , H_2AsO_3 | HAsO_2 |
| 硫 化 水 素 | HS , H_2S | H_2S |
| ケ イ 酸 | SiO_2 , HSiO_3 , H_2SiO_3 | SiO_2 |
| ホ ウ 酸 | BO_2 , HBO_2 | HBO_2 |

上記7成分以外に鉄 (Fe) の項目では原資料の表示が Fe^{2+} , Fe^{3+} , $(\text{Fe}^{2+} + \text{Fe}^{3+})$ および total Fe などとなっているが、すべての値を Fe^{2+} (水質一覧表ではすべてのイオン記号を省略) で示した。

さらに、pH の測定値が一種類しか記載されておらず、その測定場所が不明なものについては、すべての測定値を pH (FD=現地) に統一した。pH (LB)は、実験室における測定値の意味である。

ii) 成分記号表示

電算機はローマ字の小文字を使用しないので、普通には Na と表示すべきものが NA となり、 SO_4 とすべきものが SO4 となっている。また、mg (ミリグラム) および Mg (マグネシウム) と区別されるべきものが、いずれも MG とされている。水質一覧表の (MG) は mg (ミリグラム) であり、それ以外は Mg (マグネシウム) である。

iii) 単 位

含有量の表示単位が原資料では mg/kg または mg/l となっている（衛生研究所ではすべて mg/kg）が、すべての値をそのまま mg/kg として表示した。さらに、Rn（ラドン）の含有量については、 $\text{curie} \times 10^{-10}/\text{l}$ に統一した。

iv) 成分量の当量比

水質一覧表の下半部 NA/K 以下の値は、特定成分の当量比および陰・陽両主要成分の当量百分率を求めたものである。

NA/K, CA/(HCO₃+CO₃), MG/CA, NA/CA, CL/(HCO₃+CO₃) および CL/F の6種の当量比は、SiO₂ 含量とともに WHITE (1970) が提唱している地熱地域の熱評価のための地球化学的なパラメーターである。

$\text{CL} \times 100 / (\text{CL} + \text{SO}_4 + \text{HCO}_3 + \text{CO}_3)$ 以下の10種の当量比は、始めの6種が水質組成図の3角図（2種）に対応し、後の4種が菱形図に対応するものである。

5. 水質組成図

水質組成図の作成にあたっては25℃未満、25～42℃、42～60℃、60～90℃、90～120℃の5種類の温度範囲を設定し、さらに、地域全試料の分を含めて最も数の多い場合には、6種類の作図がなされた。またこの作業にあたっては、pH 値が8.2以下の場合にはCO₃の測定値が欠落であっても、計算および作図を完結させるようなプログラムを作成した。

6. 特定成分含量の頻度分布

環境問題を指示するZn, Cu, Pb, As および H₂S 含量の頻度分布については、一括して表・図示した。各成分の濃度範囲（最低含量）設定にあたっては、Zn および Cu については水質汚濁防止法の排出基準¹⁾を、Pb および As については公害対策基本法の環境基準¹⁾を参考にした。さらに、As の表示法（水質一覧表では HAsO₂）についても上記の法に従った。

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Chemical Composition of the Thermal Waters from Thirty Main Japanese Geothermal Fields

Edited by

Takashi HIRUKAWA, Naoyuki ANDO and Kiyoshi SUMI

Abstract

Data on the chemical compositions of 2,325 thermal water samples from thirty main geothermal fields in Japan were collected and recalculated under the definite program in order to contribute to the evaluation of geothermal resources.

Thus, water temperature, 31 chemical components, 6 equivalent ratios and 10 equivalent percentages were presented. Thirty-one chemical components are total amounts of dissolved solid matter, pH values at field and laboratory, H^+ , K^+ , Na^+ , NH_4^+ , Ca^{2+} , Mg^{2+} , $Fe^{2+}+Fe^{3+}$ (as Fe^{2+}), Mn^{2+} , Zn^{2+} , Cu^{2+} , Pb^{2+} , Al^{3+} , Cl^- , Br^- , I^- , F^- , OH^- , $SO_4^{2-}+HSO_4^-+H_2SO_4$ (as SO_4^{2-}), $S_2O_3^{2-}+HS_2O_3^-$ (as $S_2O_3^{2-}$), HCO_3^- , CO_3^{2-} , $SiO_3^{2-}+HSiO_3^-+H_2SiO_3$ (as SiO_2), $BO_2^-+HBO_2$ (as HBO_2), $PO_4^{3-}+HPO_4^{2-}+H_2PO_4^-+H_3PO_4$ (as H_3PO_4), $AsO_2^-+HAsO_2+HAsO_3^{2-}+H_2AsO_3^-$ (as $HAsO_2$), CO_2 , HS^-+H_2S (as H_2S), and Rn. Six equivalent ratios are Na/K , $Ca/(HCO_3+CO_3)$, and Cl/F , which are useful, together with SiO_2 content, to estimate the underground temperature of geothermal reservoir.

Ten equivalent percentages are those for each of four combinations: $Cl-SO_4-(HCO_3+CO_3)$, $(Na+K)-Ca-Mg$, $(Cl+SO_4)-(HCO_3+CO_3)$ and $(Na+K)-(Ca+Mg)$.

Finally, 10 equivalent percentages and the content of some components such as Zn, Cu, Pb, As and H_2S which are related to the ecological environment were diagrammatically shown on triangle and rhombic diagrams or histograms.

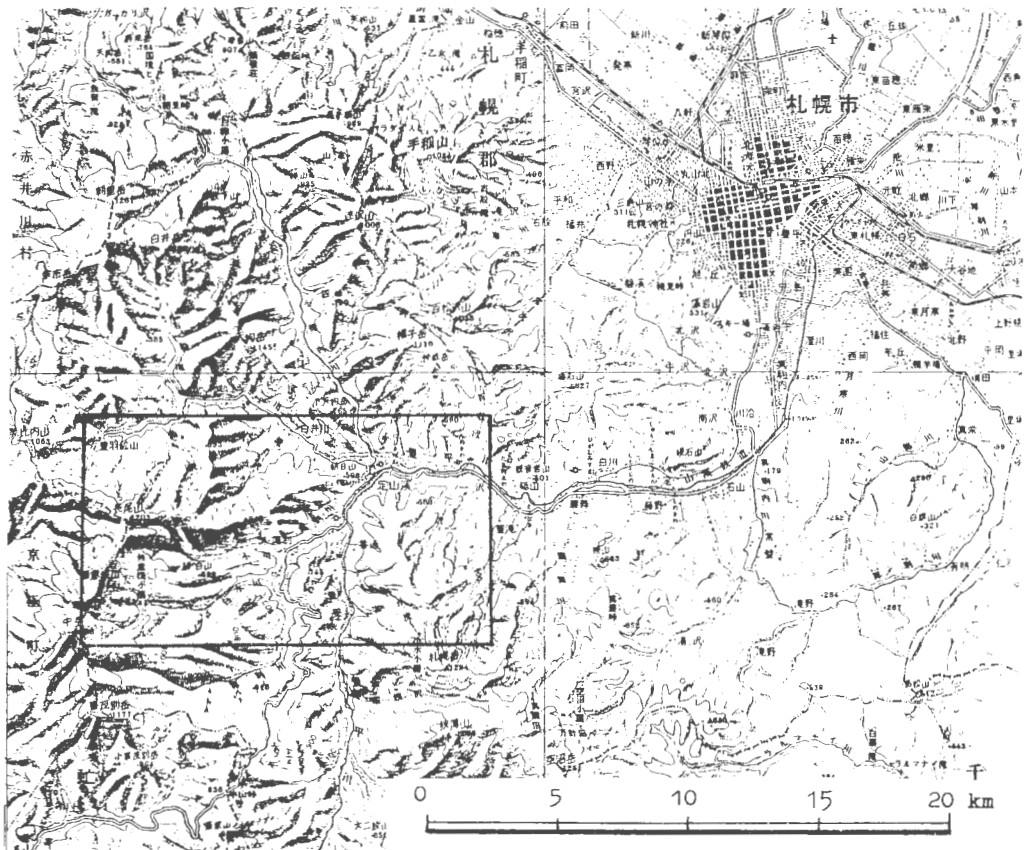
(受付: 1976年12月4日; 受理1976年12月14日)

日本主要地熱地域水質一覽表

1. 豊羽・定山溪 'Toyoha-Jozankei

| | |
|-------|-------------|
| 位置 | 北海道札幌市 |
| データ数 | 77 |
| 収集・整理 | 五十嵐昭明・比留川 貴 |
| 協力 | 北海道衛生研究所 |

調査位置図 (20万分の1地勢図 札幌)



| No. | 産地 | 温泉水名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|----------------|------|-----------------------|----------------|-------|---------------|-----------------------|
| TJC-38 | 北海道札幌市南区定山溪849 | 定山溪 | (日鉱豊羽) | 1957. 5. 24 | 13 | 475 | D=130m, Q=15l/m, F, X |
| " | " | " | ヘルスセンター 2号 | 1960. 12. 5 | " | 685 | D=0m, Q=2l/m, F, X |
| " | " | " | ヘルスセンター 1号 | " 12. 5 | " | 684 | D=0m, Q=5l/m, F, X |
| " | " | " | 豊平川堤防敷地 | 1960 | " | 636 | D=0m, F, X |
| " | " | " | 豊平川堤防敷地19葉19号 | (1959. 12. 14) | " | 629 | |
| " | " | " | 4区畑75地先 | (" 4. 6) | " | 579 | |
| " | " | " | 350地先豊平川堤防敷地 | 1958. 11. 10 | " | 561 | D=0m, F, X |
| " | " | " | 豊平川堤防敷地 | " 10. 15 | " | 560 | D=0m, F, X |
| " | " | " | 豊平川堤防用地内 | (1958. 10) | " | 549 | D=0m, F |
| " | " | " | " | (" 10. 1) | " | 544 | D=0m, Q=150l/m, F, X |
| " | " | " | 定山溪営林署定山溪事業区234 林班 | 1961. 3. 17 | " | 36—694 | D=0m, Q=50l/m, F, X |
| " | " | " | 定山溪豊平川堤防敷地19 | " 3. 30 | " | 36—695 | D=0m, F, X |
| " | " | " | 453の2 | " 9. 29 | " | 36—2204 | D=0m, Q=30l/m, F, X |
| 1 | " | " | 923地先国有地490林班 | 1963. 1. 11 | " | 38—3 | 坑内から湧出 |
| 5 | " | " | 豊平川堤防敷地内 | " 4. 8 | " | 38—983 | D=0m, F, X |
| 1 | " | " | 薄別国有林定山溪事業区 7林班 | " 11. 5 | " | 38—2788 | D=0m, Q=30l/m, F, X |
| " | " | " | 434の4の2地先 | 1964. 2. 6 | " | 39—307 | D=0m, Q=260l/m, F, X |
| " | " | " | 340の2 | " 8. 26 | " | 39—2127 | D=0m, F, X |
| " | " | " | 228地先 | " 8. 29 | " | 39—2155 | D=0m, Q=180l/m, F, X |
| " | " | " | 48地先豊平川堤防敷地19 葉18号 | 1965. 6. 8 | " | 40—1444 | D=0m, Q=80l/m, F, X |
| " | " | " | 340地先河川敷19葉19号 | 1966. 4. 11 | " | 41—1058 | D=0m, Q=225l/m, F, X |
| " | " | " | 河川堤防敷地19葉19号 | " 4. 5 | " | 41—1185 | D=0m, Q=100l/m, F |
| " | " | " | 394地先豊平川河川敷19 葉19号 | " 6. 7 | " | 41—1868 | D=0m, F, X |
| " | " | " | 341地先 | " 6. 17 | " | 41—1904 | D=0m, Q=350l/m, F, X |
| " | " | " | 国有林定山溪事業区6林 班 | " 5. 23 | " | 41—1937 | D=0m, Q=62l/m, F, X |
| " | " | " | 341地先河川敷19葉19号 | " 11. 10 | " | 41—3474 | D=0m, Q=200l/m, F, X |
| " | " | " | 豊平川川敷19葉19号 | " 11. 10 | " | 41—3662 | D=0m, Q=150l/m, F, X |
| " | " | " | 豊平川河川堤防敷地19葉 第一ホテル | " 12. 7 | " | 41—3988 | D=0m, F, X |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|---------------------------|-------------------------|--------|-----------------|-------------|-------|----------------|----------------------|
| TJC-66 | 北海道札幌市南区定山溪111地先豊平川河川敷19号 | 定山溪 | ホテル定山園 | ホテル定山園 | 1967. 6. 14 | 13 | 42-1211 | D=0m, F, X |
| " | " | " | " | " | 1968. 6. 5 | " | 43-1384 | D=0m, F, X |
| " | " | 小金湯27地先豊平川河川用地 | 湯 | (北海道新聞) 板倉弘三 | " 8. 9 | " | 43-1429 | D=0m, F |
| " | " | 定山溪434地先豊平川河川堤防敷地19葉19号 | 定山溪 | 第一ホテル2号 | " 7. 18 | " | 43-1682 | D=0m, F, X |
| " | " | 定山溪391地先豊平川堤防敷地 | " | (定山溪物産館) | " 11. 7 | " | 43-2394 | D=0m, Q=260l/m, F, X |
| " | " | 豊平川河川敷19葉19号 | " | (章月K.K.) | 1969. 3. 27 | " | 44-709 | D=0m, F, X |
| " | " | " | " | 北炭章月 | 1970. 3. 13 | " | 44-2876-60 | D=0m, Q=200l/m, F, X |
| " | " | " | " | (遠藤良雄) | " 4. 2 | " | 45-10-62 | D=270m, P, X |
| " | " | 豊平川河川堤防敷地19葉19号 | " | (北海道放送) | " 6. 11 | " | 45-245-68 | D=0m, F, X |
| " | " | 341地先豊平川堤防敷地 | " | (北海道相互銀行) | " 12. 21 | " | 45-836-87 | D=0m, F, X |
| " | " | 定山溪営林署117林班 | " | (氏家民雄) | " 9. 18 | " | 45-1181-104 | D=0m, F, X |
| " | " | 国有林定山溪事業区231林班 | " | (村田明也) | 1972. 6. 30 | " | 47-331-270 | D=0m, Q=60l/m, F, X |

温泉名の()は角(197E)に記載されていないもの、源泉名の()は申請者名、採水年月日の()は報告年月日、備考のDは深度(m)、Qは湧(揚)水量(l/m)、Fは白頭、Pはポンプ揚水、D=0m……Fは自然湧出、Xは源泉位置不明なもの。

第1-2表 豊羽・定山渓地域水質一覽表

| NO | TJC 1 | TJC 2 | TJC 3 | TJC 4 |
|----------------------------------|----------|----------|----------|---------|
| TEMP | 75.0 | - | 87.0 | 31.0 |
| TSM | 3131.000 | 3666.600 | 3095.500 | 890.000 |
| PH(FD) | 7.36 | 7.10 | 7.20 | 7.70 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 49.500 | 105.500 | 160.400 | 4.103 |
| NA | 776.900 | 947.800 | 820.000 | 35.670 |
| NH4 | - | - | - | 6.769 |
| CA | 153.600 | 95.200 | 113.600 | 5.669 |
| MG | 37.400 | 4.750 | 12.900 | 1.062 |
| FE | 0.070 | 1.062 | 0.230 | 0.062 |
| MN | 0.170 | - | - | 1.744 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.990 | 4.381 | 5.120 | 0.842 |
| CL | 1369.300 | 1434.200 | 1434.200 | 26.790 |
| BR | - | - | - | 0.756 |
| I | 1.670 | - | - | - |
| F | 0.088 | - | 0.700 | - |
| OH | - | - | - | 0.037 |
| S04 | 97.100 | 172.200 | 90.900 | 1.893 |
| S203 | - | - | - | 84.100 |
| HCO3 | 370.100 | 307.000 | 282.600 | 590.750 |
| CO3 | - | - | - | 9.682 |
| ST02 (MG/KG) (MMOL/KG) | 123.011 | 83.854 | 102.471 | 1.031 |
| HR02 | 146.100 | 125.400 | 152.400 | 61.925 |
| H3PO4 | 3.706 | - | 0.919 | - |
| HAS02 | 3.327 | - | 2.761 | - |
| CO2 | - | - | - | 295.900 |
| H2S | - | - | - | 1.000 |
| RI (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 14.762 | 15.278 | 8.694 | - |
| CA/(HCO3+CO3) | 1.264 | 0.941 | 1.224 | 0.540 |
| MG/CA | 0.402 | - | 0.187 | - |
| NA/CA | 4.409 | 8.679 | 6.293 | 1.294 |
| CL/(HCO3+CO3) | 6.368 | 8.015 | 8.735 | 0.078 |
| CL/F | 4.39.409 | - | 1097.991 | - |
| CL*100/(CL+S04+HCO3+CO3) | 32.688 | 82.414 | 86.113 | 6.200 |
| S04*100/(CL+S04+HCO3+CO3) | 4.328 | 7.303 | 4.028 | 14.365 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 12.985 | 10.283 | 9.858 | 79.435 |
| (NA+K)*100/(NA+K+CA+MG) | 77.060 | - | 85.527 | - |
| CA*100/(NA+K+CA+MG) | 16.368 | - | 12.190 | - |
| MG*100/(NA+K+CA+MG) | 6.572 | - | 2.283 | - |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 87.015 | 89.717 | 90.142 | 20.565 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 12.985 | 10.283 | 9.858 | 79.435 |
| (NA+K)*100/(NA+K+CA+MG) | 77.060 | - | 85.527 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 22.910 | - | 14.473 | - |

第1-2表 豊羽・定山浜地域水質一覽表(つづき)

| NO | TJC 5 | TJC 6 | TJC 7 | TJC 8 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 3329.200 | 3267.000 | 79.0 | 67.0 |
| TSM | 6.70 | 7.00 | 3598.500 | 2488.000 |
| PH(FD) | - | - | 6.60 | 6.20 |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 134.034 | 1.800 | 25.000 | 12.910 |
| NA | 934.580 | 971.230 | 42.247 | 693.700 |
| NH4 | 0.650 | - | - | 0.280 |
| CA | 96.422 | 4.811 | 7.799 | 85.200 |
| MG | 43.418 | 156.300 | 158.300 | 4.251 |
| FE | - | 1.259 | 23.400 | 1.926 |
| MN | - | 0.150 | 0.480 | 0.017 |
| ZN | 1.178 | 0.660 | 0.710 | 0.026 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 2.640 | 0.294 | 1.360 |
| CL | 1618.789 | 1567.900 | 44.230 | 1646.000 |
| BP | - | - | - | 46.434 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 81.869 | 86.400 | 1.799 | 119.700 |
| S203 | - | - | - | - |
| HC03 | 315.311 | 343.500 | 5.630 | 82.100 |
| C03 | - | - | 309.200 | 1.346 |
| S102 (MG/KG)(MMOL/KG) | 101.186 | 139.551 | 2.324 | 84.623 |
| HB02 | 131.225 | 142.800 | 3.259 | 130.100 |
| H3P04 | - | - | - | 0.255 |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | - | - | - | 25.500 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 11.857 | 917.540 | 65.648 | 91.376 |
| CA/(HC03+C03) | 0.931 | 1.385 | 1.559 | 3.159 |
| MG/CA | 0.743 | 0.161 | 0.244 | 0.447 |
| NA/CA | 8.449 | 5.417 | 5.315 | 7.098 |
| CL/(HC03+C03) | 8.836 | 7.856 | 9.163 | 24.560 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 86.919 | 85.620 | 86.893 | 89.596 |
| S04*100/(CL+S04+HC03+C03) | 3.244 | 3.482 | 3.623 | 6.756 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.836 | 10.898 | 9.484 | 3.648 |
| (NA+K)*100/(NA+K+CA+MG) | 34.020 | 82.360 | 81.267 | 83.217 |
| CA*100/(NA+K+CA+MG) | 9.170 | 15.188 | 15.062 | 11.598 |
| MG*100/(NA+K+CA+MG) | 6.810 | 2.452 | 3.672 | 5.185 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90.164 | 89.102 | 90.516 | 96.352 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.836 | 10.898 | 9.484 | 3.648 |
| (NA+K)*100/(NA+K+CA+MG) | 84.020 | 82.360 | 81.267 | 83.217 |
| (CA+MG)*100/(NA+K+CA+MG) | 15.980 | 17.640 | 18.733 | 16.783 |

第1-2表 豊羽・志山溪地域地下水質一覽表(つづき)

| | TJC 9 | TJC 10 | TJC 11 | TJC 12 |
|----------------------------------|----------|----------|----------|----------|
| NO | 53.0 | 72.0 | 71.0 | 72.0 |
| TEMP | 3361.000 | 3379.600 | 3240.900 | 3646.100 |
| TSM | 6.80 | 7.60 | 6.60 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 8.750 | 5.700 | 0.146 | 0.133 |
| NA | 999.660 | 1010.200 | 43.944 | 1075.700 |
| NH4 | - | - | - | - |
| CA | 124.700 | 125.700 | 6.272 | 4.551 |
| MG | 8.950 | 13.500 | 1.111 | 7.300 |
| FE | - | 0.390 | 0.014 | 0.054 |
| MN | 0.660 | 1.200 | 0.044 | 0.062 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 1.900 | 0.211 | 3.900 |
| CL | 1615.800 | 1582.400 | 44.640 | 1518.800 |
| BR | - | - | - | - |
| T | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 80.630 | 94.200 | 1.861 | 119.700 |
| S203 | - | - | - | - |
| HC03 | 331.870 | 312.100 | 5.115 | 282.100 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 117.980 | 101.471 | 1.689 | 90.931 |
| HR02 | 138.520 | 185.200 | 4.226 | 178.300 |
| H3P04 | - | 1.349 | 0.014 | 0.756 |
| HAS02 | - | - | - | - |
| C02 | - | 20.600 | 0.468 | 78.300 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 194.282 | 301.385 | 331.901 | 137.540 |
| CA/(HC03+C03) | 1.144 | 1.226 | 0.984 | 1.256 |
| MG/CA | 0.118 | 0.177 | 0.132 | 0.103 |
| NA/CA | 6.988 | 7.006 | 9.701 | 6.885 |
| CL/(HC03+C03) | 8.380 | 8.727 | 9.267 | 8.729 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 86.493 | 86.317 | 85.757 | 85.975 |
| SO4*100/(CL+SO4+HC03+C03) | 3.195 | 3.792 | 4.988 | 4.177 |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 10.321 | 9.891 | 9.254 | 9.849 |
| (NA+K)*100/(NA+K+CA+MG) | 86.265 | 85.656 | 89.579 | 86.279 |
| CA*100/(NA+K+CA+MG) | 12.281 | 12.186 | 9.206 | 12.441 |
| MG*100/(NA+K+CA+MG) | 1.454 | 2.158 | 1.215 | 1.280 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.679 | 90.109 | 90.746 | 90.151 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.321 | 9.891 | 9.254 | 9.849 |
| (NA+K)*100/(NA+K+CA+MG) | 86.265 | 85.656 | 89.579 | 86.279 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.735 | 14.344 | 10.421 | 13.721 |

第1-2表 豊羽・定山渓地域水質一覧表(つづき)

| NO | TJC 13 | | TJC 14 | | TJC 15 | | TJC 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|---------------------|-------|---------|---------|--------|-------|-------|----|----|----|-------|----------|----------|----------|--------|---|---------|---------|---------|---------|--------|------------------------|---------|---------|--------|--------|-----|--------------------|---------|---------------|-------|-------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|---------------------|--------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG) (MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HCO3 | C03 | SI02 (MG/KG) (MMOL/KG) | HB02 | H3PO4 | HAS02 | C02 | H2S | RN (*F-10 CURIE/L) | NA/K | CA/(HCO3+C03) | MG/CA | NA/CA | CL/(HCO3+C03) | CL/F | CL*100/(CL+S04+HCO3+C03) | S04*100/(CL+S04+HCO3+C03) | (HCO3+C03)*100/(CL+S04+HCO3+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HCO3+C03) | (HCO3+C03)*100/(CL+S04+HCO3+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | (NA+MG)*100/(NA+K+CA+MG) |
| | 78.0 | 3109.500 | 6.70 | - | 13.500 | 0.345 | 874.640 | 120.600 | 15.700 | 0.510 | 1.000 | - | - | - | - | 4.100 | 1378.900 | - | - | - | - | 97.900 | 322.900 | - | - | 128.012 | 115.500 | 0.613 | 85.800 | - | - | - | 110.175 | 1.137 | 0.215 | 6.322 | 7.350 | - | 84.143 | 4.409 | 11.448 | 84.005 | 13.168 | 2.827 | 88.552 | 11.448 | 84.005 | 15.995 | |
| | 51.0 | 2622.800 | 7.90 | - | 751.000 | 0.148 | 751.000 | 130.100 | 6.900 | 0.150 | 1.100 | - | - | - | - | 3.500 | 1178.400 | 33.243 | - | - | - | 131.200 | 286.400 | - | - | 82.777 | 115.500 | 1.123 | 85.800 | - | - | - | 221.336 | 1.383 | 0.087 | 5.032 | 7.082 | - | 81.741 | 6.717 | 11.542 | 82.296 | 16.280 | 1.424 | 88.458 | 11.542 | 82.296 | 17.704 | |
| | 79.0 | 3182.000 | 6.50 | - | 5.770 | 0.148 | 751.000 | 130.100 | 6.900 | 0.150 | 1.100 | - | - | - | 3.500 | 1178.400 | 33.243 | - | - | - | 131.200 | 286.400 | - | - | 82.777 | 115.500 | 1.123 | 85.800 | - | - | - | 221.336 | 1.383 | 0.087 | 5.032 | 7.082 | - | 81.741 | 6.717 | 11.542 | 82.296 | 16.280 | 1.424 | 88.458 | 11.542 | 82.296 | 17.704 | | |
| | 72.0 | 3074.000 | 7.20 | - | 10.100 | 0.258 | 943.800 | 125.100 | 6.242 | 0.322 | 0.040 | - | - | - | - | - | 1494.400 | 42.157 | - | - | - | 103.600 | 346.400 | - | - | 122.780 | 142.500 | 0.011 | 46.600 | - | - | - | 163.253 | 1.100 | 0.210 | 6.757 | 7.425 | - | 84.328 | 4.315 | 11.357 | 84.894 | 12.488 | 2.618 | 88.643 | 11.357 | 84.894 | 15.106 | |
| | - | - | - | - | 12.500 | 0.258 | 943.800 | 73.300 | 1.508 | 0.012 | - | - | - | - | - | - | - | 1416.900 | 42.157 | - | - | - | 82.200 | 310.100 | - | - | 102.702 | 148.900 | - | 31.100 | - | - | - | 128.398 | 0.720 | 0.475 | 11.224 | 7.864 | - | 85.472 | 3.660 | 10.868 | 88.467 | 7.821 | 3.713 | 89.132 | 10.868 | 88.467 | 11.533 |
| | - | - | - | - | 0.320 | 0.258 | 943.800 | 0.320 | 0.008 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.711 | 5.083 | - | - | 2.044 | 3.252 | - | 1.059 | - | - | - | 163.253 | 1.100 | 0.210 | 6.757 | 7.425 | - | 84.328 | 4.315 | 11.357 | 84.894 | 12.488 | 2.618 | 88.643 | 11.357 | 84.894 | 15.106 |

第1-2表 豊羽・定山渓地域水質一覧表(つづき)

| NO | TJC 17 | | TJC 18 | | TJC 19 | | TJC 20 | |
|----------------------------------|----------|--------|----------|--------|---------|--------|----------|--------|
| | TEMP | PH(PD) | TEMP | PH(PD) | TEMP | PH(PD) | TEMP | PH(PD) |
| | 53.0 | 6.80 | 72.0 | 6.80 | 32.0 | 8.30 | 82.0 | 6.60 |
| TSM | 2458.800 | — | 3434.000 | — | 610.600 | — | 3469.600 | — |
| PH(LB) | — | — | — | — | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — | — | — | — | — |
| K | 8.900 | 0.228 | 10.100 | 0.258 | 2.000 | 0.051 | 9.800 | 0.251 |
| NA | 712.800 | 31.007 | 1006.800 | 43.796 | 192.100 | 8.356 | 989.600 | 43.048 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 94.000 | 4.691 | 131.500 | 6.562 | 6.860 | 0.342 | 123.800 | 6.178 |
| MG | 18.600 | 1.531 | 10.400 | 0.856 | — | — | 21.500 | 1.769 |
| FE | 0.203 | 0.007 | 0.147 | 0.005 | 0.100 | 0.004 | 0.270 | 0.010 |
| MN | 0.700 | 0.025 | 0.100 | 0.004 | 0.170 | 0.006 | 1.120 | 0.041 |
| ZN | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — |
| AL | — | — | — | — | — | — | 0.480 | 0.053 |
| CL | 1096.600 | 30.935 | 1563.200 | 44.098 | 159.600 | 4.502 | 1594.700 | 44.986 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | — | — | — | — | — | — | — | — |
| OH | — | — | — | — | 0.034 | 0.002 | — | — |
| SO4 | 71.100 | 1.480 | 86.300 | 1.797 | — | — | 95.400 | 1.986 |
| S2O3 | — | — | — | — | — | — | — | — |
| HC03 | 309.300 | 5.069 | 340.200 | 5.576 | 216.400 | 3.547 | 266.000 | 4.360 |
| CO3 | — | — | — | — | 5.030 | 0.168 | — | — |
| SI02 (MG/KG) (MMOL/KG) | 91.316 | 1.520 | 105.086 | 1.750 | 14.771 | 0.246 | 122.011 | 2.031 |
| HB02 | 117.800 | 2.688 | 148.500 | 3.389 | 15.210 | 0.347 | 127.300 | 2.905 |
| H3PO4 | — | 0.001 | 0.337 | 0.003 | — | — | — | — |
| HASO2 | — | — | — | — | — | — | — | — |
| CO2 | 93.300 | 2.120 | 75.500 | 1.715 | — | — | — | — |
| H2S | — | — | — | — | 6.626 | 0.194 | — | — |
| RN (*F-10 CURIE/L) | — | — | — | — | — | — | — | — |
| NA/K | 136.197 | 0.925 | 169.516 | 1.177 | 163.338 | 0.092 | 171.721 | 1.417 |
| CA/(HC03+C03) | 0.326 | 0.130 | 0.130 | 0.050 | — | — | 0.286 | 0.110 |
| MG/CA | 6.610 | 6.674 | 6.674 | 6.674 | 24.411 | — | 6.968 | 6.968 |
| CL/(HC03+C03) | 6.102 | 7.909 | 7.909 | 7.909 | 1.212 | — | 16.319 | 16.319 |
| CL/F | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 82.527 | 85.676 | 85.676 | 85.676 | — | — | 87.638 | 87.638 |
| SO4*100/(CL+S04+HC03+C03) | 3.949 | 3.491 | 3.491 | 3.491 | — | — | 3.869 | 3.869 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 13.524 | 10.833 | 10.833 | 10.833 | — | — | 8.493 | 8.493 |
| (NA+K)*100/(NA+K+CA+MG) | 83.391 | 85.589 | 85.589 | 85.589 | — | — | 84.492 | 84.492 |
| CA*100/(NA+K+CA+MG) | 12.523 | 12.748 | 12.748 | 12.748 | — | — | 12.055 | 12.055 |
| MG*100/(NA+K+CA+MG) | 4.086 | 1.663 | 1.663 | 1.663 | — | — | 3.452 | 3.452 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 86.476 | 89.167 | 89.167 | 89.167 | — | — | 91.507 | 91.507 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 13.524 | 10.833 | 10.833 | 10.833 | — | — | 8.493 | 8.493 |
| (NA+K)*100/(NA+K+CA+MG) | 83.391 | 85.589 | 85.589 | 85.589 | — | — | 84.492 | 84.492 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.609 | 14.411 | 14.411 | 14.411 | — | — | 15.508 | 15.508 |

第1-2表 豊羽・走山浜地域域水質一覧表(つづき)

| NO | TJC 25 | | | TJC 26 | | | TJC 27 | | | TJC 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------|--------|--------|--------|---------|-------|---------|-------|-------|--------|----|----|----|----|--------|----------|---|---|---------|---------|---------|---------|---------|---------|------|-------|-------|-----|-----|--------------------|---------|---------------|-------|-------|---------------|-------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|--------------------------|
| | TEMP | PH(FD) | PH(LB) | H | K | NR4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | C03 | SI02 | HB02 | H3PO4 | HAS02 | C02 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+C03) | MG/CA | NA/CA | CL/(HC03+C03) | CL/F | CL*100/(CL+S04+HC03+C03) | S04*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | (CA+MG)*100/(NA+K+CA+MG) |
| | 65.0 | 7.00 | - | 0.246 | 10.700 | 6.871 | 133.900 | 6.682 | 0.210 | 0.700 | - | - | - | - | 45.491 | 1598.300 | - | - | 82.200 | 114.780 | 105.300 | 306.000 | 120.083 | 105.300 | - | - | - | - | - | - | 176.308 | 1.570 | 0.278 | 6.301 | 9.070 | - | 86.748 | 3.688 | 9.564 | 33.218 | 13.133 | 3.649 | 90.436 | 9.564 | 83.218 | 16.782 |
| | 3496.600 | 7.00 | - | 43.296 | 974.100 | 2.617 | 31.800 | 0.008 | 0.710 | 0.450 | - | - | - | - | 4.5088 | 1529.700 | - | - | 82.200 | 114.780 | 105.300 | 306.000 | 120.083 | 105.300 | - | - | - | - | - | - | 154.813 | 1.284 | 0.392 | 6.342 | 8.667 | - | 3.291 | 10.004 | 82.100 | 12.863 | 5.038 | 89.996 | 10.004 | 82.100 | 16.782 | |
| | 82.0 | 8.30 | - | 0.118 | 4.700 | 7.096 | 142.200 | 1.037 | 0.430 | 0.540 | - | - | - | - | 0.456 | 4.100 | - | - | 103.200 | 99.624 | 146.500 | 292.400 | 99.624 | 146.500 | - | - | - | - | - | - | 351.385 | 1.481 | 0.146 | 5.827 | 9.004 | - | 4.289 | 9.567 | 83.603 | 14.307 | 2.091 | 90.433 | 9.567 | 83.603 | 16.397 | |
| | 3348.300 | 8.30 | - | 41.347 | 911.400 | 1.037 | 12.600 | 0.025 | 0.450 | 0.540 | - | - | - | - | 4.3153 | 1566.320 | - | - | 103.200 | 141.705 | 179.400 | 349.650 | 141.705 | 179.400 | - | - | - | - | - | - | 329.761 | 2.076 | 3.333 | 7.710 | - | 4.638 | 10.948 | 76.160 | 22.784 | 1.056 | 89.052 | 10.948 | 76.160 | 23.840 | | |

第1-2表 豊羽・定山渓地域水質一覧表(つづき)

| | TJC 33 | TJC 34 | TJC 35 | TJC 36 |
|----------------------------------|----------|----------|----------|----------|
| NO | 65.0 | - | - | 70.0 |
| TEMP | 2845.000 | 3167.500 | 3197.000 | 2736.000 |
| TSM | 6.80 | 7.60 | 7.35 | 6.50 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 17.300 | 6.900 | 61.000 | 1.560 |
| NA | 826.200 | 966.800 | 866.500 | 37.693 |
| NH4 | - | - | - | - |
| CA | 137.200 | 6.846 | 159.300 | 7.949 |
| MG | 7.200 | 15.500 | 1.275 | 1.350 |
| FE | 0.450 | 0.180 | 0.006 | 0.010 |
| MN | 0.110 | 0.170 | 0.055 | 0.290 |
| ZN | - | - | 0.150 | 1.100 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.320 | 3.100 | - | 6.400 |
| CL | 1310.100 | 1426.300 | 1476.300 | 1227.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | 0.340 | 1.000 | 0.053 |
| OH | - | - | - | - |
| S04 | 91.300 | 91.700 | 100.300 | 69.900 |
| S203 | - | - | - | - |
| HC03 | 304.600 | 339.200 | 277.600 | 283.800 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 102.932 | 1.714 | 55.005 | 0.916 |
| H3P04 | 142.200 | 3.245 | 163.700 | 3.736 |
| HAS02 | 0.980 | 0.010 | 3.094 | 0.032 |
| C02 | - | 4.860 | 3.527 | 0.033 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 81.213 | 236.274 | 24.156 | 36.393 |
| CA/(HC03+C03) | 1.371 | 0.767 | 1.747 | 1.974 |
| MG/CA | 0.087 | 0.299 | 0.158 | 0.147 |
| NA/CA | 5.250 | 9.869 | 4.742 | 3.134 |
| CL/(HC03+C03) | 7.403 | 7.237 | 9.153 | 7.443 |
| CL/F | - | 2248.118 | 791.155 | 1315.431 |
| CL*100/(CL+S04+HC03+C03) | 84.280 | 84.344 | 86.252 | 85.006 |
| S04*100/(CL+S04+HC03+C03) | 4.335 | 4.002 | 4.325 | 3.573 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.385 | 11.654 | 9.423 | 11.421 |
| (NA+K)*100/(NA+K+CA+MG) | 83.025 | 88.409 | 80.999 | 73.709 |
| CA*100/(NA+K+CA+MG) | 15.623 | 8.521 | 16.403 | 22.922 |
| MG*100/(NA+K+CA+MG) | 1.352 | 2.670 | 2.598 | 3.369 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 88.615 | 88.346 | 90.577 | 88.579 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.385 | 11.654 | 9.423 | 11.421 |
| (NA+K)*100/(NA+K+CA+MG) | 83.025 | 88.409 | 80.999 | 73.709 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.975 | 11.591 | 80.999 | 26.291 |

第1-2表 豊羽・定山溪流域水質一覽表 (つづき)

| NO | TJC 37 | TJC 38 | TJC 39 | TJC 40 |
|----------------------------------|---------|--------|----------|----------|
| TEMP | 27.0 | 25.0 | 44.0 | 49.0 |
| TSM | 539.600 | 83.200 | 2844.000 | 2929.000 |
| PH(FD) | 8.20 | 6.20 | — | 6.60 |
| PH(LB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.900 | 0.049 | — | — |
| NA | 141.600 | 6.160 | — | — |
| NH4 | — | — | 117.600 | 3.008 |
| CA | 10.700 | 0.534 | 690.000 | 730.000 |
| MG | 5.500 | 0.453 | 151.800 | 128.600 |
| FE | 1.320 | 0.047 | 11.350 | 12.120 |
| MN | — | — | 3.150 | 2.750 |
| ZN | — | — | 1.680 | 1.300 |
| CU | — | — | 0.085 | 0.061 |
| PB | — | — | 0.035 | 0.080 |
| AL | 8.600 | 0.956 | 0.010 | 0.002 |
| | | | 5.250 | 0.035 |
| | | | — | 0.000 |
| | | | — | 0.000 |
| | | | — | 0.565 |
| CL | 132.600 | 3.741 | 1239.000 | 1278.000 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | 0.025 | 0.001 | 0.640 | 0.730 |
| S04 | 32.100 | 0.668 | 77.750 | 87.600 |
| S203 | 179.200 | 3.101 | — | 1.824 |
| HC03 | 0.001 | 0.000 | 341.600 | 305.000 |
| CO3 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 54.543 | 0.908 | — | — |
| HR02 | — | — | 91.008 | 1.739 |
| H3PO4 | — | — | 135.200 | 148.000 |
| HAS02 | — | — | 2.165 | 2.348 |
| CO2 | — | — | 2.857 | 3.248 |
| H2S | 5.668 | 0.166 | 105.600 | 167.200 |
| | | | 0.500 | 0.240 |
| RN (*F-10 CURIE/L) | — | — | 1037.477 | 938.200 |
| NA/K | 126.736 | 4.421 | — | — |
| CA/(HC03+CO3) | 0.172 | 3.494 | 9.978 | 10.093 |
| NA/CA | 0.848 | 0.359 | 1.353 | 1.284 |
| CL/(HC03+CO3) | 11.536 | 0.112 | 3.962 | 0.155 |
| CL/F | 1.206 | 1.995 | 6.243 | 4.948 |
| | | | — | 7.212 |
| | | | — | 938.200 |
| CL*100/(CL+S04+HC03+CO3) | 49.809 | 22.131 | 82.884 | 84.087 |
| S04*100/(CL+S04+HC03+CO3) | 8.899 | 66.776 | 3.839 | 4.254 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 41.292 | 11.093 | 13.277 | 11.659 |
| (NA+K)*100/(NA+K+CA+MG) | 86.288 | 9.192 | 79.513 | 82.478 |
| CA*100/(NA+K+CA+MG) | 7.421 | 66.810 | 18.239 | 15.165 |
| MG*100/(NA+K+CA+MG) | 6.291 | 23.999 | 2.249 | 2.357 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 58.708 | 88.907 | 86.723 | 88.341 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 41.292 | 11.093 | 13.277 | 11.659 |
| (NA+K)*100/(NA+K+CA+MG) | 86.288 | 9.192 | 79.513 | 82.478 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.712 | 90.808 | 20.487 | 17.522 |

第1-2表 豊羽・定山浜地域水質一覧表(つづき)

| NO | TJC 41 | | | TJC 42 | | | TJC 43 | | | TJC 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|--------------------|--------|---------|---------|-------|--------|----|----|-------|----------|----------|---------|---------|---------|---------|-------|---------|-------|------|------|-----|-----------------------|-------|-------|-------|---------|----------|--------------------|--------|---------------|--------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG)(MVAL/KG) | K | NA | NA4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | CO3 | SI02 (MG/KG)(MMDL/KG) | HB02 | H3PO4 | HAS02 | CO2 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+S04+HC03+CO3) | S04*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) |
| | 78.0 | 2930.000 | 6.40 | 65.0 | 144.000 | 5.504 | 103.230 | 16.700 | 0.300 | 1.490 | | | | 1.600 | 1374.900 | 0.730 | 94.239 | 142.100 | 4.595 | 2.552 | 105.700 | 1.050 | | | | 10.116 | 1.030 | 0.267 | 6.884 | 7.759 | 1009.335 | 85.317 | 3.687 | 10.996 | 95.656 | 11.523 | 3.022 | 99.004 | 10.996 | 85.656 | 14.344 | | | | | | |
| | 83.0 | 3497.000 | 7.00 | 83.0 | 712.000 | 35.453 | 13.600 | 13.600 | 0.610 | 1.320 | | | 2.200 | 1259.000 | 0.780 | 79.623 | 130.400 | 0.245 | 1.663 | | | | | | | 1.421 | 0.184 | 5.079 | 7.984 | 865.004 | 84.346 | 4.475 | 11.179 | 82.765 | 14.563 | 2.673 | 88.821 | 11.179 | 82.765 | 17.235 | | | | | | | |
| | 87.0 | 3424.000 | 6.80 | 87.0 | 168.000 | 3.684 | 13.600 | 13.600 | 0.610 | 1.320 | | | 4.300 | 1555.900 | 0.840 | 94.238 | 160.800 | 0.245 | 5.765 | | | | | | | 1.421 | 0.145 | 4.868 | 7.984 | 947.515 | 84.948 | 4.412 | 10.639 | 82.550 | 15.234 | 2.215 | 89.361 | 10.639 | 82.550 | 17.450 | | | | | | | |
| | | | | | 183.000 | 4.297 | 156.500 | 156.500 | 0.005 | 0.040 | | | 1.600 | 1661.800 | 0.890 | 115.549 | 157.800 | 0.280 | 101.500 | | | | | | | | 3.601 | 0.055 | 4.281 | 8.814 | 1000.636 | 85.921 | 4.331 | 9.748 | 16.885 | 2.246 | 90.252 | 9.748 | 16.885 | 80.868 | | | | | | | |
| | | | | | 907.100 | 38.019 | 1.136 | 1.136 | 0.220 | 1.200 | | | 1.600 | 324.500 | 0.890 | 113.500 | 324.500 | 5.497 | 324.500 | | | | | | | | 1.924 | 3.601 | 0.061 | 8.814 | 1000.636 | 85.921 | 4.331 | 9.748 | 80.868 | 16.885 | 2.246 | 90.252 | 9.748 | 80.868 | 19.132 | | | | | | |

第1-2表 豊羽・定山渓地域水質一覽表(つづき)

| | TJC 45 | TJC 46 | TJC 47 | TJC 48 |
|----------------------------------|----------|----------|----------|----------|
| NO | 80.0 | — | 82.0 | 25.0 |
| TFMP | 3153.500 | 3142.000 | 3493.300 | 1142.000 |
| TSM | 6.60 | 7.80 | 6.90 | 6.10 |
| PH(FD) | — | — | — | — |
| PH(LB) | — | — | — | — |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 170.000 | 4.349 | — | — |
| NA | 885.000 | 38.498 | — | — |
| NH4 | — | — | 112.000 | 2.865 |
| CA | 128.200 | 6.397 | 832.800 | 36.227 |
| MG | 11.460 | 0.938 | 139.000 | 6.936 |
| FE | 0.626 | 0.022 | 11.900 | 0.979 |
| MN | 1.230 | 0.045 | 4.500 | 0.161 |
| ZN | — | — | 1.250 | 0.046 |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 3.700 | 0.411 | 10.800 | 1.201 |
| CL | 1543.100 | 43.531 | 1483.900 | 41.861 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | 0.720 | 0.038 | 0.830 | 0.044 |
| SO4 | 88.800 | 1.849 | 112.700 | 2.346 |
| S2O3 | — | — | — | — |
| HC03 | 317.200 | 5.199 | 250.100 | 4.099 |
| CO3 | — | — | — | — |
| STO2 (MG/KG)(MMOL/KG) | 98.932 | 1.647 | 106.856 | 1.779 |
| HRO2 | 154.800 | 3.533 | 182.500 | 4.165 |
| H3PO4 | 0.296 | 0.003 | 1.583 | 0.016 |
| HASO2 | 4.929 | 0.046 | 3.048 | 0.028 |
| CO2 | 79.900 | 1.815 | — | — |
| H2S | 2.100 | 0.062 | — | — |
| RN (*E-10 CURIE/L) | — | — | — | — |
| NA/K | 8.853 | 12.645 | 178.398 | 20.575 |
| CA/(HC03+CO3) | 1.230 | 1.692 | 1.343 | 0.322 |
| MG/CA | 0.147 | 0.141 | 0.259 | 0.716 |
| NA/CA | 6.018 | 5.223 | 6.376 | 0.814 |
| CL/(HC03+CO3) | 8.373 | 10.212 | 8.969 | 0.061 |
| CL/F | 1148.547 | 958.106 | — | 132.115 |
| CL*100/(CL+SO4+HC03+CO3) | 86.066 | 86.657 | 86.976 | 5.597 |
| SO4*100/(CL+SO4+HC03+CO3) | 3.655 | 4.857 | 3.326 | 3.351 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 10.279 | 8.486 | 9.698 | 91.052 |
| (NA+K)*100/(NA+K+CA+MG) | 85.382 | 83.161 | 83.590 | 33.206 |
| CA*100/(NA+K+CA+MG) | 12.748 | 14.755 | 13.038 | 38.920 |
| MG*100/(NA+K+CA+MG) | 1.869 | 2.083 | 3.373 | 27.874 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 89.721 | 91.514 | 90.302 | 8.948 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 10.279 | 8.486 | 9.698 | 91.052 |
| (NA+K)*100/(NA+K+CA+MG) | 85.382 | 83.161 | 83.590 | 33.206 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.618 | 16.839 | 15.410 | 66.794 |

第1-2表 豊羽・定山浜地域水質一覧表(つづき)

| | TJC 49 | TJC 50 | TJC 51 | TJC 52 |
|----------------------------------|----------|----------|----------|----------|
| NO | 63.0 | 67.0 | 67.0 | 60.0 |
| TFMP | 3295.000 | 3259.000 | 1406.000 | 2874.000 |
| TSM | 7.10 | 6.40 | 6.60 | 6.20 |
| PH(FD) | - | - | - | - |
| PH(CLR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 840.000 | 147.500 | 3.773 | 1.867 |
| NA | 840.000 | 785.000 | 34.148 | 12.180 |
| NH4 | - | - | - | - |
| CA | 139.700 | 157.900 | 7.879 | 7.735 |
| MG | 13.200 | 13.500 | 1.111 | 1.012 |
| FE | 0.460 | 0.950 | 0.034 | 0.645 |
| MN | 1.350 | 1.880 | 0.068 | 0.076 |
| ZN | 0.892 | 0.090 | 0.003 | 0.004 |
| CU | 0.020 | 0.080 | 0.003 | 0.002 |
| PR | 0.022 | 0.020 | 0.000 | 0.000 |
| AL | 7.850 | 1.660 | 0.185 | 0.745 |
| CL | 1455.500 | 1420.000 | 40.058 | 10.615 |
| BR | - | - | - | - |
| I | 0.740 | 0.768 | 0.040 | 0.850 |
| F | - | - | - | - |
| OH | 103.200 | 90.900 | 1.893 | 4.283 |
| S04 | 366.000 | 304.400 | 4.949 | 9.098 |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 139.474 | 115.010 | 1.915 | 0.724 |
| HP02 | 170.200 | 170.200 | 3.884 | 1.225 |
| H3P04 | 3.971 | 3.369 | 0.034 | 0.004 |
| HAS02 | 4.389 | 3.980 | 0.037 | 0.003 |
| C02 | 110.000 | 140.400 | 3.199 | 184.800 |
| H2S | 0.510 | 1.100 | 0.032 | 1.200 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 17.815 | 9.050 | 6.523 | 8.561 |
| CA/(HC03+C03) | 1.162 | 1.579 | 0.850 | 0.876 |
| MG/CA | 0.156 | 0.141 | 0.131 | 0.029 |
| NA/CA | 5.491 | 4.334 | 1.575 | 4.143 |
| CL/(HC03+C03) | 6.845 | 8.029 | 1.167 | 4.121 |
| CL/F | 1054.066 | 990.865 | 353.791 | 805.748 |
| CL*100/(CL+S04+HC03+C03) | 83.443 | 85.339 | 44.238 | 76.956 |
| S04*100/(CL+S04+HC03+C03) | 4.356 | 4.032 | 17.847 | 4.369 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.191 | 10.629 | 37.915 | 18.675 |
| (NA+K)*100/(NA+K+CA+MG) | 53.382 | 80.836 | 61.627 | 81.807 |
| CA*100/(NA+K+CA+MG) | 14.377 | 16.796 | 33.932 | 17.680 |
| MG*100/(NA+K+CA+MG) | 2.240 | 2.368 | 4.440 | 0.513 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.809 | 89.371 | 62.085 | 81.325 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.191 | 10.629 | 37.915 | 18.675 |
| (NA+K)*100/(NA+K+CA+MG) | 83.332 | 80.836 | 61.627 | 81.807 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.618 | 19.164 | 38.373 | 18.193 |

第1-2表 豊羽・定山溪地域水質一覧表(つづき)

| NO | TJC 53 | | | TJC 54 | | | TJC 55 | | | TJC 56 | | |
|----------------------------------|----------|---------|--------|----------|---------|----------|---------|----------|---------|----------|---------|--------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(FD) | TEMP | TSM | PH(FD) | TEMP | TSM | PH(FD) |
| H (MG/KG)(MVAL/KG) | 10.000 | 10.000 | 10.000 | 104.600 | 2.676 | 162.000 | 4.144 | 82.400 | 2.108 | 82.400 | 2.108 | |
| K | 1.700 | 3.043 | 0.174 | 882.000 | 38.638 | 919.000 | 39.977 | 712.000 | 30.972 | 712.000 | 30.972 | |
| NA | 4.000 | 0.174 | | | | | | | | | | |
| NH4 | | | | | | | | | | | | |
| CA | 61.100 | 3.049 | 7.360 | 147.500 | 7.360 | 155.000 | 7.735 | 161.500 | 8.059 | 161.500 | 8.059 | |
| MG | 21.100 | 1.736 | 0.551 | 6.700 | 0.551 | 14.500 | 1.193 | 9.200 | 0.757 | 9.200 | 0.757 | |
| FE | 103.000 | 3.688 | 0.130 | 0.130 | 0.005 | 0.600 | 0.021 | 2.200 | 0.079 | 2.200 | 0.079 | |
| MN | 5.040 | 0.183 | | | | 0.690 | 0.025 | 1.280 | 0.047 | 1.280 | 0.047 | |
| ZN | 9.156 | 0.005 | 0.117 | 0.117 | 0.004 | 0.104 | 0.003 | 0.094 | 0.003 | 0.094 | 0.003 | |
| CU | 9.178 | 0.006 | 0.038 | 0.038 | 0.001 | 0.035 | 0.001 | 0.027 | 0.001 | 0.027 | 0.001 | |
| PB | 9.010 | 0.000 | 0.022 | 0.022 | 0.000 | 0.022 | 0.000 | 0.015 | 0.000 | 0.015 | 0.000 | |
| AL | 63.600 | 7.072 | 5.400 | 5.400 | 0.600 | 10.100 | 1.123 | 3.380 | 0.376 | 3.380 | 0.376 | |
| CL | 7.100 | 0.200 | | 1462.600 | 41.260 | 1668.000 | 47.054 | 1248.300 | 35.215 | 1248.300 | 35.215 | |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | 0.800 | 0.042 | | 1.240 | 0.065 | 1.700 | 0.089 | 1.300 | 0.068 | 1.300 | 0.068 | |
| OH | | | | | | | | | | | | |
| S04 | 1400.322 | 29.155 | | 104.500 | 2.176 | 30.200 | 1.670 | 83.100 | 1.730 | 83.100 | 1.730 | |
| S203 | | | | | | | | | | | | |
| HC03 | | | | | | | | | | | | |
| C03 | 0.0 | | | 372.100 | 6.099 | 335.500 | 5.499 | 317.200 | 5.199 | 317.200 | 5.199 | |
| SI02 (MG/KG)(MMOL/KG) | 64.006 | 1.066 | | 107.010 | 1.782 | 104.009 | 1.732 | 122.473 | 2.039 | 122.473 | 2.039 | |
| H002 | 10.100 | 0.230 | | 152.300 | 3.475 | 152.300 | 3.475 | 134.400 | 3.067 | 134.400 | 3.067 | |
| H3P04 | 9.154 | 0.902 | | 1.103 | 0.011 | 2.859 | 0.029 | 5.411 | 0.055 | 5.411 | 0.055 | |
| HA502 | 0.024 | 0.000 | | 4.712 | 0.044 | 6.497 | 0.060 | 2.264 | 0.021 | 2.264 | 0.021 | |
| C02 | | | | 140.800 | 3.199 | 110.000 | 2.499 | 180.400 | 4.099 | 180.400 | 4.099 | |
| H2S | 10.500 | 0.303 | | 1.360 | 0.040 | 1.800 | 0.053 | 1.000 | 0.029 | 1.000 | 0.029 | |
| RN (*F-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 4.001 | 14.437 | | 14.437 | 9.647 | 14.437 | 9.647 | 14.437 | 9.647 | 14.437 | 9.647 | |
| CA/(HC03+C03) | | 1.207 | | 1.207 | 1.407 | 1.207 | 1.407 | 1.207 | 1.550 | 1.207 | 1.550 | |
| MG/CA | 0.569 | 0.075 | | 0.075 | 0.154 | 0.075 | 0.154 | 0.075 | 0.094 | 0.075 | 0.094 | |
| NA/CA | 0.057 | 5.248 | | 5.248 | 5.169 | 5.248 | 5.169 | 5.248 | 5.843 | 5.248 | 5.843 | |
| CL/(HC03+C03) | | 6.765 | | 6.765 | 8.557 | 6.765 | 8.557 | 6.765 | 6.773 | 6.765 | 6.773 | |
| CL/F | 4.756 | 632.108 | | 632.108 | 525.817 | 632.108 | 525.817 | 632.108 | 514.592 | 632.108 | 514.592 | |
| CL*100/(CL+S04+HC03+C03) | 3.622 | 83.296 | | 83.296 | 86.779 | 83.296 | 86.779 | 83.296 | 83.558 | 83.296 | 83.558 | |
| S04*100/(CL+S04+HC03+C03) | 99.318 | 4.392 | | 4.392 | 3.079 | 4.392 | 3.079 | 4.105 | 4.105 | 4.105 | 4.105 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 12.312 | | 12.312 | 10.141 | 12.312 | 10.141 | 12.336 | 12.336 | 12.336 | 12.336 | |
| (NA+K)*100/(NA+K+CA+MG) | 4.347 | 83.925 | | 83.925 | 83.171 | 83.925 | 83.171 | 78.957 | 78.957 | 78.957 | 78.957 | |
| CA*100/(NA+K+CA+MG) | 50.945 | 14.955 | | 14.955 | 14.580 | 14.955 | 14.580 | 19.236 | 19.236 | 19.236 | 19.236 | |
| MG*100/(NA+K+CA+MG) | 74.708 | 1.120 | | 1.120 | 2.249 | 1.120 | 2.249 | 1.807 | 1.807 | 1.807 | 1.807 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 100.000 | 87.688 | | 87.688 | 89.859 | 87.688 | 89.859 | 87.664 | 87.664 | 87.664 | 87.664 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 12.312 | | 12.312 | 10.141 | 12.312 | 10.141 | 12.336 | 12.336 | 12.336 | 12.336 | |
| (NA+K)*100/(NA+K+CA+MG) | 4.347 | 83.925 | | 83.925 | 83.171 | 83.925 | 83.171 | 78.957 | 78.957 | 78.957 | 78.957 | |
| (CA+MG)*100/(NA+K+CA+MG) | 95.653 | 16.075 | | 16.075 | 16.829 | 16.075 | 16.829 | 21.043 | 21.043 | 21.043 | 21.043 | |

第1-2表 豊羽・定山渓地域水質一覧表(つづき)

| NO | TJC 57 | | TJC 58 | | TJC 59 | | TJC 60 | |
|----------------------------------|---------|----------|----------|---------|----------|----------|----------|----------|
| | 28.0 | 82.0 | 72.0 | 72.0 | 2963.000 | 72.0 | 2961.500 | 72.0 |
| TFMP | 162.000 | 3304.500 | 2963.000 | 7.20 | 7.20 | 2961.500 | 6.60 | 6.60 |
| TSM | 3.70 | — | — | — | — | — | — | — |
| PH(FD) | — | — | — | — | — | — | — | — |
| PH(LR) | — | — | — | — | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — | — | — | — | — |
| K | 6.700 | 0.171 | 140.000 | 3.581 | 154.000 | 3.939 | 125.000 | 3.198 |
| NA | 25.900 | 1.127 | 900.000 | 39.150 | 777.000 | 33.800 | 800.000 | 34.800 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 5.360 | 0.267 | 184.000 | 9.182 | 156.000 | 7.784 | 162.000 | 8.084 |
| MG | 3.380 | 0.278 | 8.800 | 0.724 | 9.600 | 0.790 | 14.000 | 1.152 |
| FE | 0.860 | 0.031 | 0.340 | 0.012 | 0.290 | 0.010 | 0.280 | 0.010 |
| MN | 0.144 | 0.005 | 4.420 | 0.161 | 0.002 | 0.000 | — | — |
| ZN | — | — | — | — | — | — | 0.073 | 0.002 |
| CU | 0.010 | 0.000 | 0.030 | 0.001 | 0.010 | 0.000 | 0.005 | 0.000 |
| PB | — | — | — | — | — | — | — | — |
| AL | 3.840 | 0.427 | 2.300 | 0.236 | 2.100 | 0.233 | 7.560 | 0.841 |
| CL | 20.790 | 0.586 | 1597.000 | 45.051 | 1382.000 | 38.986 | 1455.000 | 41.046 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | — | — | 1.000 | 0.053 | 0.880 | 0.046 | 0.365 | 0.019 |
| OH | — | — | — | — | — | — | — | — |
| S04 | 30.030 | 0.625 | 162.000 | 3.373 | 78.000 | 1.624 | 102.000 | 2.124 |
| S203 | — | — | — | — | — | — | — | — |
| HC03 | 67.100 | 1.100 | 275.000 | 4.507 | 355.000 | 5.818 | 296.000 | 4.851 |
| C03 | — | — | — | — | — | — | — | — |
| ST02 (MG/KG)(MMOL/KG) | 24.002 | 0.400 | 102.317 | 1.704 | 110.779 | 1.844 | 88.470 | 1.473 |
| HB02 | 13.200 | 0.301 | 175.000 | 4.085 | 147.000 | 3.355 | 156.000 | 3.560 |
| HSP04 | 0.102 | 0.001 | 3.216 | 0.035 | 3.165 | 0.032 | 2.553 | 0.026 |
| HAS04 | 0.004 | 0.000 | 2.645 | 0.025 | 2.077 | 0.019 | 2.700 | 0.025 |
| C02 | — | — | 88.000 | 1.999 | 93.000 | 1.886 | 101.000 | 2.295 |
| H2S | 2.050 | 0.060 | 1.190 | 0.035 | 2.380 | 0.070 | 0.680 | 0.020 |
| RN (≠F-10 CURIE/L) | — | — | — | — | — | — | — | — |
| NA/K | 6.574 | 10.932 | 10.932 | 8.580 | 8.580 | 8.580 | 10.884 | 10.884 |
| CA/(HC03+C03) | 0.243 | 2.037 | 2.037 | 1.338 | 1.338 | 1.338 | 1.666 | 1.666 |
| MG/CA | 1.040 | 0.079 | 0.079 | 0.101 | 0.101 | 0.101 | 0.143 | 0.143 |
| NA/CA | 4.212 | 4.264 | 4.264 | 4.342 | 4.342 | 4.342 | 4.305 | 4.305 |
| CL/(HC03+C03) | 0.533 | 9.995 | 9.995 | 6.700 | 6.700 | 6.700 | 8.460 | 8.460 |
| CL/F | — | 855.839 | 855.839 | 841.613 | 841.613 | 841.613 | 2136.276 | 2136.276 |
| CL*100/(CL+S04+HC03+C03) | 25.373 | 85.113 | 85.113 | 83.970 | 83.970 | 83.970 | 85.475 | 85.475 |
| S04*100/(CL+S04+HC03+C03) | 27.049 | 6.372 | 6.372 | 3.498 | 3.498 | 3.498 | 4.422 | 4.422 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 47.579 | 8.515 | 8.515 | 12.532 | 12.532 | 12.532 | 10.103 | 10.103 |
| (NA+K)*100/(NA+K+CA+MG) | 70.406 | 81.181 | 81.181 | 81.486 | 81.486 | 81.486 | 80.446 | 80.446 |
| CA*100/(NA+K+CA+MG) | 14.507 | 17.403 | 17.403 | 16.808 | 16.808 | 16.808 | 17.115 | 17.115 |
| MG*100/(NA+K+CA+MG) | 15.086 | 1.376 | 1.376 | 1.706 | 1.706 | 1.706 | 2.439 | 2.439 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 52.421 | 91.485 | 91.485 | 87.468 | 87.468 | 87.468 | 89.897 | 89.897 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 47.579 | 8.515 | 8.515 | 12.532 | 12.532 | 12.532 | 10.103 | 10.103 |
| (NA+K)*100/(NA+K+CA+MG) | 70.406 | 81.181 | 81.181 | 81.486 | 81.486 | 81.486 | 80.446 | 80.446 |
| (CA+MG)*100/(NA+K+CA+MG) | 29.594 | 18.819 | 18.819 | 18.514 | 18.514 | 18.514 | 19.554 | 19.554 |

第1-2表 豊羽・定山渓地域水質一覧表(つづき)

| NO | TJC 65 | | TJC 66 | | TJC 67 | | TJC 68 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|---------|---------|
| | 81.0 | 3450.500 | 69.0 | 2658.500 | 80.0 | 3011.500 | 20.0 | 642.000 |
| TEMP | | 7.40 | | 7.00 | | 8.60 | | 8.40 |
| TSM | | | | | | | | |
| PH(FD) | | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 126.000 | 3.223 | 140.000 | 3.581 | 170.000 | 4.349 | 1.100 | 0.028 |
| NA | 965.000 | 41.978 | 625.000 | 27.188 | 810.000 | 35.235 | 226.000 | 9.831 |
| NH4 | | | | | | | | |
| CA | 132.000 | 6.587 | 201.000 | 10.030 | 113.000 | 5.639 | 8.200 | 0.409 |
| MG | 6.000 | 0.494 | 12.000 | 0.987 | 18.000 | 1.481 | 4.900 | 0.403 |
| FE | 0.600 | 0.021 | 1.220 | 0.044 | 2.550 | 0.091 | 0.040 | 0.001 |
| MN | 0.820 | 0.030 | 1.300 | 0.047 | 0.520 | 0.019 | | |
| ZN | 0.069 | 0.002 | 0.117 | 0.004 | 0.053 | 0.002 | | |
| CU | 0.040 | 0.001 | 0.240 | 0.008 | 0.017 | 0.001 | | |
| PB | 0.025 | 0.000 | 0.065 | 0.001 | | | | |
| AL | 15.900 | 1.768 | 2.770 | 0.308 | 21.900 | 2.435 | 0.950 | 0.106 |
| CL | 1597.000 | 45.051 | 1209.000 | 34.106 | 1390.000 | 39.212 | 177.500 | 5.007 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.480 | 0.025 | 0.800 | 0.042 | 1.300 | 0.068 | 2.000 | 0.105 |
| OH | | | | | | | | |
| S04 | 183.000 | 3.810 | 156.000 | 3.248 | 214.000 | 4.455 | 45.600 | 0.949 |
| S203 | | | | | | | | |
| HCO3 | 313.000 | 5.130 | 301.000 | 4.933 | 329.000 | 5.392 | 292.800 | 4.799 |
| C03 | | | | | | | | |
| ST02 (MG/KG) (MMOL/KG) | 122.319 | 2.037 | 114.626 | 1.909 | 80.007 | 1.332 | 24.233 | 0.403 |
| HR02 | 165.000 | 3.265 | 139.000 | 3.172 | 156.000 | 3.560 | 31.300 | 0.714 |
| H3P04 | 0.378 | 0.004 | 2.113 | 0.022 | 3.073 | 0.031 | 0.102 | 0.001 |
| HAS02 | 4.677 | 0.043 | 2.883 | 0.027 | 3.440 | 0.032 | | |
| C02 | 30.800 | 0.700 | 167.000 | 3.794 | 79.200 | 1.799 | | |
| H2S | 1.530 | 0.045 | 1.360 | 0.040 | 1.530 | 0.045 | 2.040 | 0.060 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 13.024 | | 7.592 | | | 8.103 | | 349.385 |
| CA/(HCO3+C03) | 1.284 | | 2.033 | | | 1.046 | | 0.085 |
| MG/CA | 0.075 | | 0.098 | | | 0.263 | | 0.985 |
| NA/CA | 6.373 | | 2.711 | | | 6.249 | | 24.026 |
| CL/(HCO3+C03) | 8.782 | | 6.913 | | | 7.272 | | 1.043 |
| CL/F | 1782.998 | | 809.885 | | | 573.005 | | 47.562 |
| CL*100/(CL+S04+HCO3+C03) | 93.442 | | 80.653 | | | 79.927 | | 46.555 |
| S04*100/(CL+S04+HCO3+C03) | 7.057 | | 7.681 | | | 9.082 | | 8.827 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 9.502 | | 11.666 | | | 10.991 | | 44.618 |
| (NA+K)*100/(NA+K+CA+MG) | 86.457 | | 73.634 | | | 84.755 | | 92.387 |
| CA*100/(NA+K+CA+MG) | 12.599 | | 24.003 | | | 12.073 | | 3.834 |
| MG*100/(NA+K+CA+MG) | 0.944 | | 2.363 | | | 3.172 | | 3.778 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 90.498 | | 88.334 | | | 89.009 | | 55.382 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 9.502 | | 11.666 | | | 10.991 | | 44.618 |
| (NA+K)*100/(NA+K+CA+MG) | 86.457 | | 73.634 | | | 84.755 | | 92.387 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.543 | | 26.366 | | | 15.245 | | 7.613 |

第1-2表 豊羽・定山浜地域水質一覧表(つづき)

| NO | TJC 69 | | TJC 70 | | TJC 71 | | TJC 72 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|--------|
| | 71.0 | 75.0 | 75.0 | 61.0 | 61.0 | 76.0 | 3122.000 | 6.80 |
| TEMP | 3166.000 | 3323.000 | 3323.000 | 2668.000 | 2668.000 | 3122.000 | 6.80 | |
| TSM | 6.60 | 7.00 | 7.00 | | | | | |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 130.000 | 3.325 | 140.000 | 3.591 | 130.000 | 3.325 | 115.000 | 2.942 |
| NA | 890.000 | 38.715 | 915.000 | 39.803 | 710.000 | 30.885 | 880.000 | 38.280 |
| NH4 | | | | | | | | |
| CA | 116.000 | 5.788 | 125.000 | 6.238 | 109.000 | 5.439 | 121.000 | 6.038 |
| MG | 11.500 | 0.946 | 10.000 | 0.823 | 18.000 | 1.481 | 7.350 | 0.605 |
| FE | 0.780 | 0.028 | 0.460 | 0.016 | 7.100 | 0.254 | 0.467 | 0.017 |
| MN | 0.860 | 0.029 | 1.080 | 0.039 | 1.500 | 0.055 | 0.900 | 0.033 |
| ZN | | | | | 0.108 | 0.003 | 0.013 | 0.000 |
| CU | 0.008 | 0.000 | 0.006 | 0.000 | 0.005 | 0.000 | 0.022 | 0.001 |
| PB | | | | | | | 0.005 | 0.000 |
| AL | 14.800 | 1.646 | 4.670 | 0.519 | 10.500 | 1.167 | 3.600 | 0.400 |
| CL | 1519.000 | 42.597 | 1560.000 | 44.008 | 1717.000 | 34.332 | 1390.000 | 39.212 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 1.000 | 1.053 | 3.740 | 0.039 | 1.600 | 0.084 | 0.760 | 0.040 |
| OH | | | | | | | | |
| S04 | 102.000 | 2.269 | 175.000 | 3.644 | 85.000 | 1.770 | 222.000 | 4.622 |
| S203 | | | | | | | | |
| HC03 | 366.000 | 5.999 | 195.000 | 3.196 | 352.000 | 6.261 | 260.000 | 4.261 |
| C03 | | | | | | | | |
| SI02 (MG/KG) (MVAL/KG) | 6.331 | 1.467 | 122.011 | 1.898 | 83.000 | 1.383 | 96.932 | 1.614 |
| HR02 | 165.000 | 3.765 | 172.000 | 3.975 | 14.000 | 3.377 | 157.000 | 3.583 |
| H3P04 | 3.450 | 0.025 | 3.124 | 0.032 | 2.348 | 0.024 | 1.246 | 0.013 |
| HAS02 | 3.900 | 0.036 | 4.598 | 0.043 | 3.362 | 0.031 | 3.980 | 0.037 |
| C02 | 110.000 | 2.499 | 92.000 | 1.999 | 98.000 | 1.999 | 167.000 | 3.794 |
| H25 | 0.620 | 0.020 | 0.510 | 0.015 | 1.170 | 0.034 | 1.870 | 0.055 |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | 11.602 | 11.114 | 11.114 | 9.288 | 81.043 | 9.288 | 13.013 | |
| CA/(HC03+C03) | 0.965 | 1.952 | 1.952 | 0.869 | 4.178 | 0.869 | 1.417 | |
| MG/CA | 0.163 | 0.132 | 0.132 | 0.272 | 14.780 | 0.272 | 0.100 | |
| NA/CA | 6.688 | 6.381 | 6.381 | 5.678 | 6.340 | 5.678 | 6.340 | |
| CL/(HC03+C03) | 7.101 | 13.769 | 13.769 | 5.483 | 9.202 | 5.483 | 9.202 | |
| CL/F | 809.215 | 1129.744 | 1129.744 | 407.622 | 980.141 | 407.622 | 980.141 | |
| CL*100/(CL+S04+HC03+C03) | 83.745 | 86.549 | 86.549 | 81.043 | 81.530 | 81.043 | 81.530 | |
| S04*100/(CL+S04+HC03+C03) | 4.462 | 7.166 | 7.166 | 4.178 | 9.610 | 4.178 | 9.610 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.793 | 6.286 | 6.286 | 14.780 | 8.860 | 14.780 | 8.860 | |
| (NA+K)*100/(NA+K+CA+MG) | 86.192 | 86.004 | 86.004 | 83.175 | 86.122 | 83.175 | 86.122 | |
| CA*100/(NA+K+CA+MG) | 11.868 | 12.365 | 12.365 | 13.224 | 12.615 | 13.224 | 12.615 | |
| MG*100/(NA+K+CA+MG) | 1.940 | 1.631 | 1.631 | 3.601 | 1.264 | 3.601 | 1.264 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 88.207 | 93.714 | 93.714 | 85.220 | 91.140 | 85.220 | 91.140 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.793 | 6.286 | 6.286 | 14.780 | 8.860 | 14.780 | 8.860 | |
| (NA+K)*100/(NA+K+CA+MG) | 86.192 | 86.004 | 86.004 | 83.175 | 86.122 | 83.175 | 86.122 | |
| (CA+MG)*100/(NA+K+CA+MG) | 13.808 | 13.996 | 13.996 | 16.825 | 13.878 | 16.825 | 13.878 | |

第1-2表 豊羽・定山浜地域水質一覧表(つづき)

| | TJC 73 | TJC 74 | TJC 75 | TJC 76 |
|----------------------------------|----------|----------|----------|---------|
| NO | 68.0 | 74.5 | 67.0 | 20.5 |
| TEMP | 1714.000 | 2936.000 | 2750.000 | 483.000 |
| TSM | 8.40 | 6.60 | 6.80 | 9.10 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 66.000 | 150.000 | 3.837 | 1.100 |
| NA | 469.000 | 795.000 | 34.583 | 116.000 |
| NH4 | - | - | - | - |
| CA | 64.800 | 111.000 | 5.439 | 6.480 |
| MG | 2.500 | 18.300 | 0.403 | 2.940 |
| FE | 0.680 | 1.160 | 0.087 | 0.700 |
| MN | 0.595 | 1.240 | 0.244 | - |
| ZN | 0.480 | 0.015 | 0.079 | - |
| CU | 0.250 | 0.016 | 0.002 | - |
| PR | 0.031 | 0.000 | 0.002 | - |
| AL | 0.040 | 5.300 | 0.890 | 16.000 |
| CL | 674.000 | 1328.000 | 37.463 | 74.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.880 | 0.520 | 0.047 | 0.870 |
| OH | - | - | - | - |
| S04 | 76.000 | 120.000 | 1.915 | 112.000 |
| S203 | - | - | - | - |
| HC03 | 307.000 | 372.000 | 6.097 | 182.000 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 70.776 | 98.470 | 1.665 | 47.697 |
| HR02 | 105.000 | 67.000 | 3.377 | 13.000 |
| H3PO4 | 0.102 | 1.552 | 0.027 | 0.051 |
| HAS02 | 2.021 | 3.205 | 0.038 | 0.014 |
| C02 | - | 110.000 | 3.726 | - |
| H2S | 2.350 | 0.510 | 0.025 | 2.210 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 12.084 | 9.013 | 8.276 | 179.330 |
| CA/(HCO3+C03) | 0.603 | 0.908 | 0.108 | 0.108 |
| MG/CA | 0.084 | 0.272 | 0.074 | 0.748 |
| NA/CA | 6.309 | 6.244 | 5.838 | 15.605 |
| CL/(HCO3+C03) | 3.779 | 6.144 | 6.362 | 0.700 |
| CL/F | 410.454 | 1368.617 | 739.548 | 45.583 |
| CL*100/(CL+S04+HC03+C03) | 74.192 | 81.338 | 82.519 | 28.201 |
| S04*100/(CL+S04+HC03+C03) | 6.174 | 5.424 | 4.511 | 31.501 |
| (HCO3+C03)*100/(CL+S04+HC03+C03) | 15.634 | 13.238 | 12.970 | 40.298 |
| (NA+K)*100/(NA+K+CA+MG) | 36.528 | 84.505 | 85.900 | 89.976 |
| CA*100/(NA+K+CA+MG) | 12.656 | 12.183 | 13.127 | 5.734 |
| MG*100/(NA+K+CA+MG) | 0.806 | 3.312 | 0.973 | 4.290 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 30.366 | 86.762 | 87.030 | 59.702 |
| (HCO3+C03)*100/(CL+S04+HC03+C03) | 19.634 | 13.238 | 12.970 | 40.298 |
| (NA+K)*100/(NA+K+CA+MG) | 36.528 | 84.505 | 85.900 | 89.976 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.472 | 15.495 | 14.100 | 10.024 |

第1-2表 豊羽・定山沢地域水質一覧表(つづき)

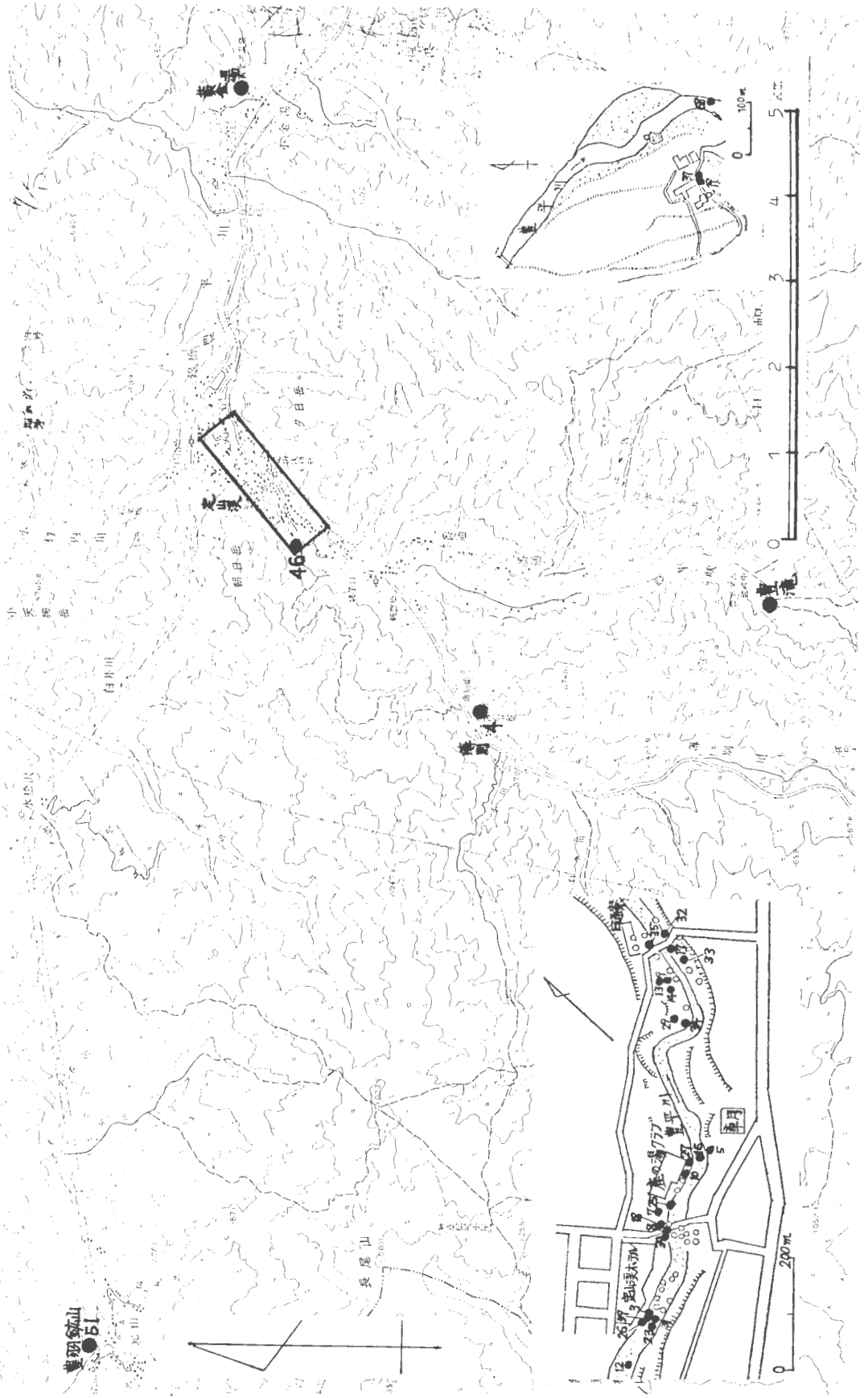
| NO | TJC | 77 |
|----------------------------------|----------|--------|
| TEMP | 21.4 | |
| TSM | 1024.000 | |
| PH(FD) | 6.40 | |
| PH(LB) | | |
| H (MG/KG) (MVAL/KG) | | |
| K | 9.600 | 0.246 |
| NA | 115.000 | 5.003 |
| NH4 | | |
| CA | 43.890 | 2.190 |
| MG | 118.700 | 9.768 |
| FF | 5.300 | 0.190 |
| MN | 0.200 | 0.007 |
| ZN | 0.0 | |
| CU | 0.008 | 0.000 |
| PB | 0.006 | 0.000 |
| AL | 7.524 | 0.337 |
| CL | 46.150 | 1.300 |
| BR | | |
| I | | |
| F | 0.360 | 0.019 |
| OH | | |
| S04 | 28.590 | 0.595 |
| S203 | | |
| HCO3 | 995.200 | 16.311 |
| CO3 | | |
| SI02 (MG/KG) (MMOL/KG) | 52.238 | 1.369 |
| HR02 | 35.040 | 0.700 |
| H3PO4 | 0.158 | 0.002 |
| HAS02 | 0.018 | 0.000 |
| C02 | 721.600 | 16.395 |
| H2S | | |
| RN (*F-10 CURIE/L) | | |
| NA/K | 20.371 | |
| CA/(HCO3+C03) | 0.134 | |
| MG/CA | 4.460 | |
| NA/CA | 2.284 | |
| CL/(HCO3+C03) | 0.080 | |
| CL/F | 68.700 | |
| CL*100/(CL+S04+HCO3+C03) | 7.150 | |
| S04*100/(CL+S04+HCO3+C03) | 3.269 | |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 39.581 | |
| (NA+K)*100/(NA+K+CA+MG) | 30.501 | |
| CA*100/(NA+K+CA+MG) | 12.729 | |
| MG*100/(NA+K+CA+MG) | 56.770 | |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 10.419 | |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 89.581 | |
| (NA+K)*100/(NA+K+CA+MG) | 30.501 | |
| (CA+MG)*100/(NA+K+CA+MG) | 69.499 | |

第1-3表 豊羽・定山渓地域特定成分含量の頻度分布表

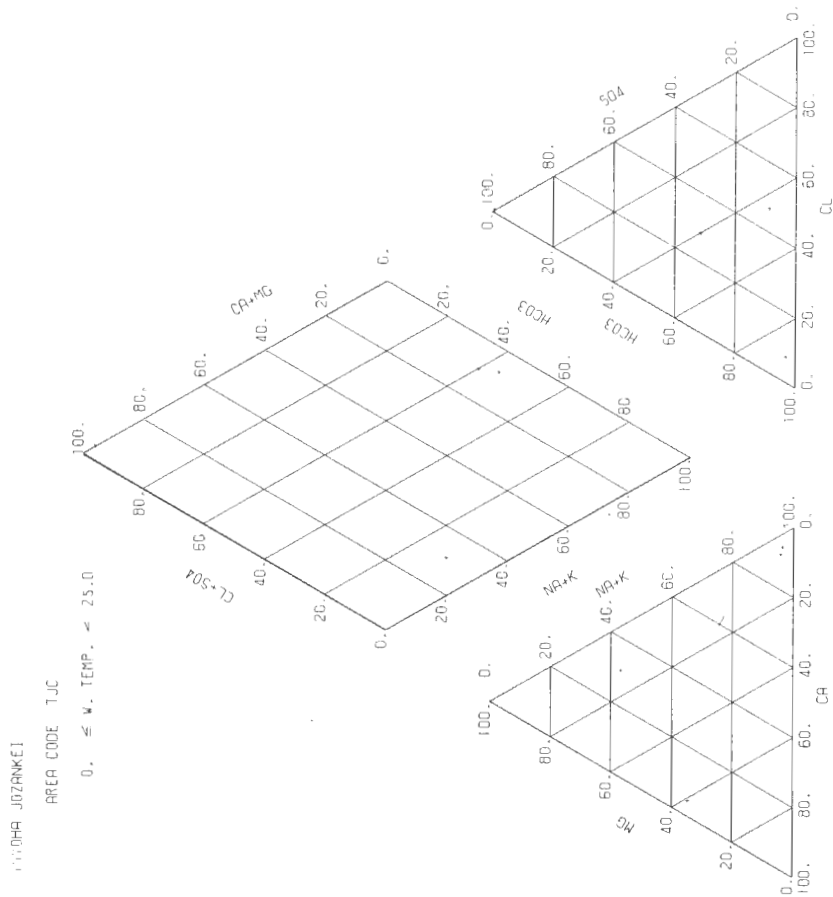
FREQUENCY DATA OF ZN, CU, PR, AS AND H2S

| ZN | | | | CU | | | |
|----------|----|-------|--------|---|-------|--|------|
| | N | F(%) | | N | F(%) | | F(%) |
| ND | 53 | 68.8 | ND | 47 | 61.0 | | |
| <0.500 | 24 | 31.2 | <0.300 | 30 | 39.0 | | |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. | | |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. | | |
| TOTAL | 77 | 100.0 | TOTAL | 77 | 100.0 | | |
| PR | | | | AS | | | |
| | N | F(%) | | N | F(%) | | F(%) |
| ND | 61 | 79.2 | ND | 35 | 45.5 | | |
| <0.100 | 16 | 20.8 | <0.050 | 5 | 6.5 | | |
| <1.000 | 0 | 0. | <0.500 | 2 | 2.6 | | |
| >1.000 | 0 | 0. | <5.000 | 35 | 45.5 | | |
| | | | >5.000 | 0 | 0. | | |
| TOTAL | 77 | 100.0 | TOTAL | 77 | 100.0 | | |
| H2S | | | | N= NUMBER OF SAMPLES F= FREQUENCY(%) | | | |
| | N | F(%) | | N | F(%) | | F(%) |
| ND | 39 | 50.6 | | | | | |
| < 1.000 | 12 | 15.6 | | | | | |
| < 10.000 | 25 | 32.5 | | | | | |
| <100.000 | 1 | 1.3 | | | | | |
| >100.000 | 0 | 0. | | | | | |
| TOTAL | 77 | 100.0 | | | | | |

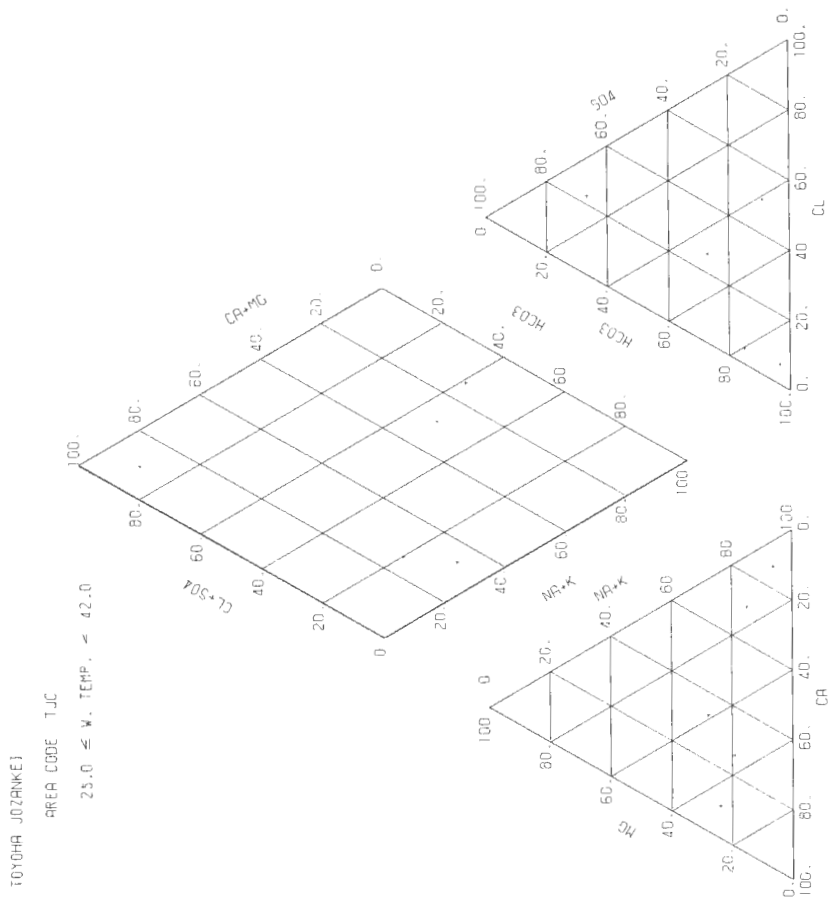
第1-1図 豊羽・定山渓地域の温泉分布および試料採取地 左下：定山渓地区拡大図（鈴木ほか，1958による） 右下：黄金湯地区拡大図（鈴木ほか，1958による）



第1-2図 豊羽・定山溪地蔵水質組成図 (その1) (水温25℃未満)



第1-2図 豊羽・定山溪地蔵水質組成図 (その2) (水温25℃以上42℃未満)

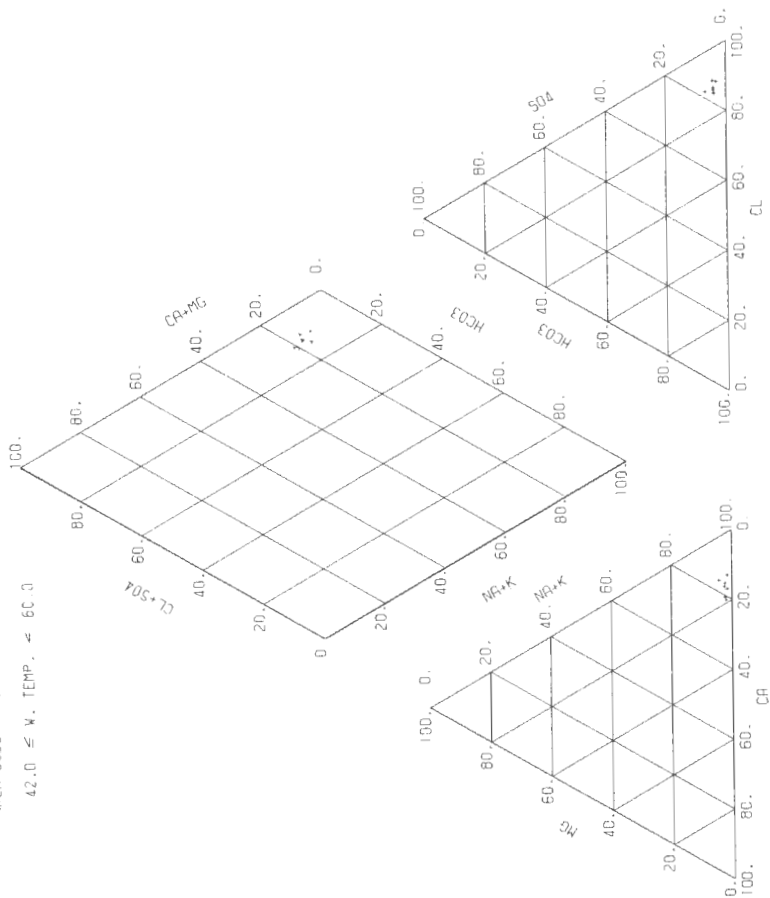


第1-2図 豊羽・定山渓地域水質組成図(その3)(水温42℃以上60℃未満)

TOYOHARA JOZANKAI

AREA CODE TJC

42.0 ≤ W. TEMP. < 60.0

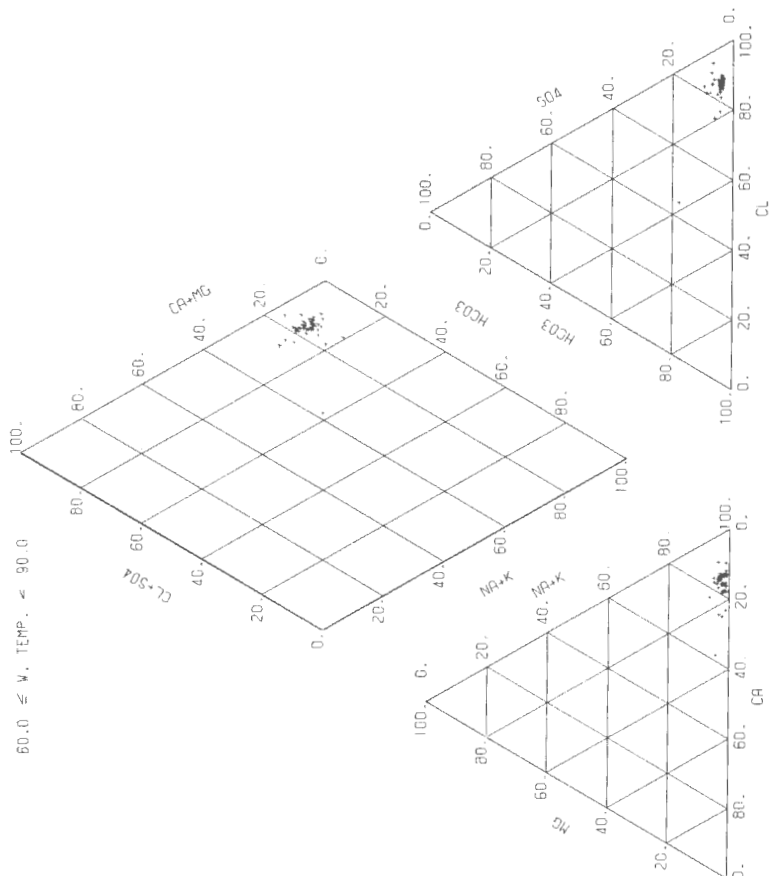


第1-2図 豊羽・定山渓地域水質組成図(その4)(水温60℃以上90℃未満)

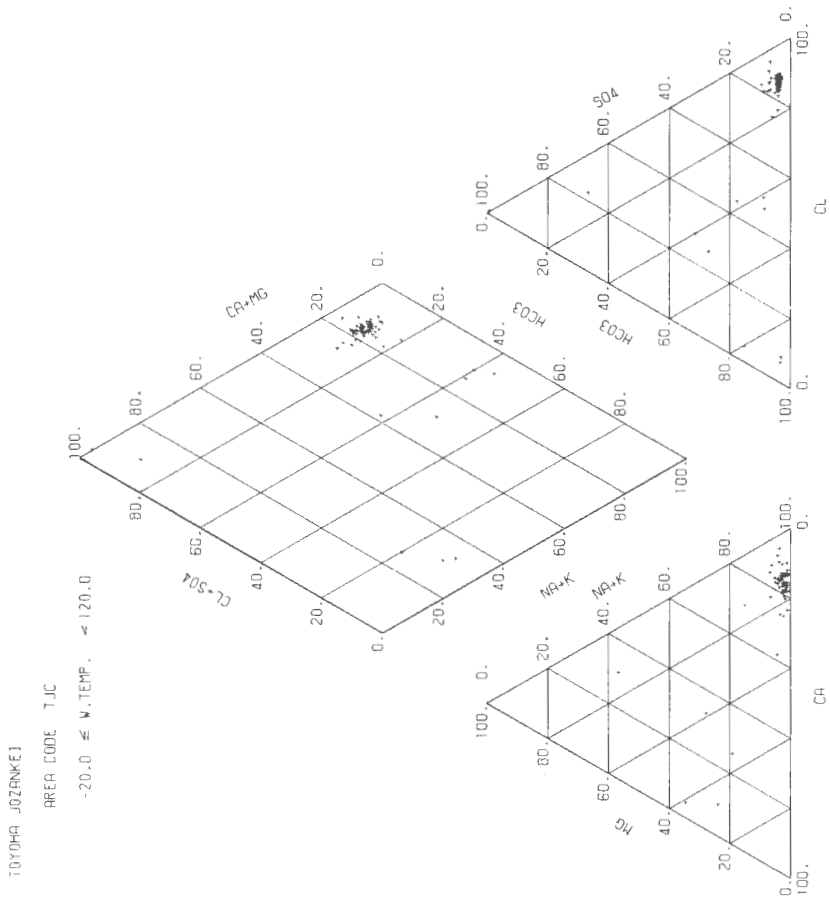
TOYOHARA JOZANKAI

AREA CODE TJC

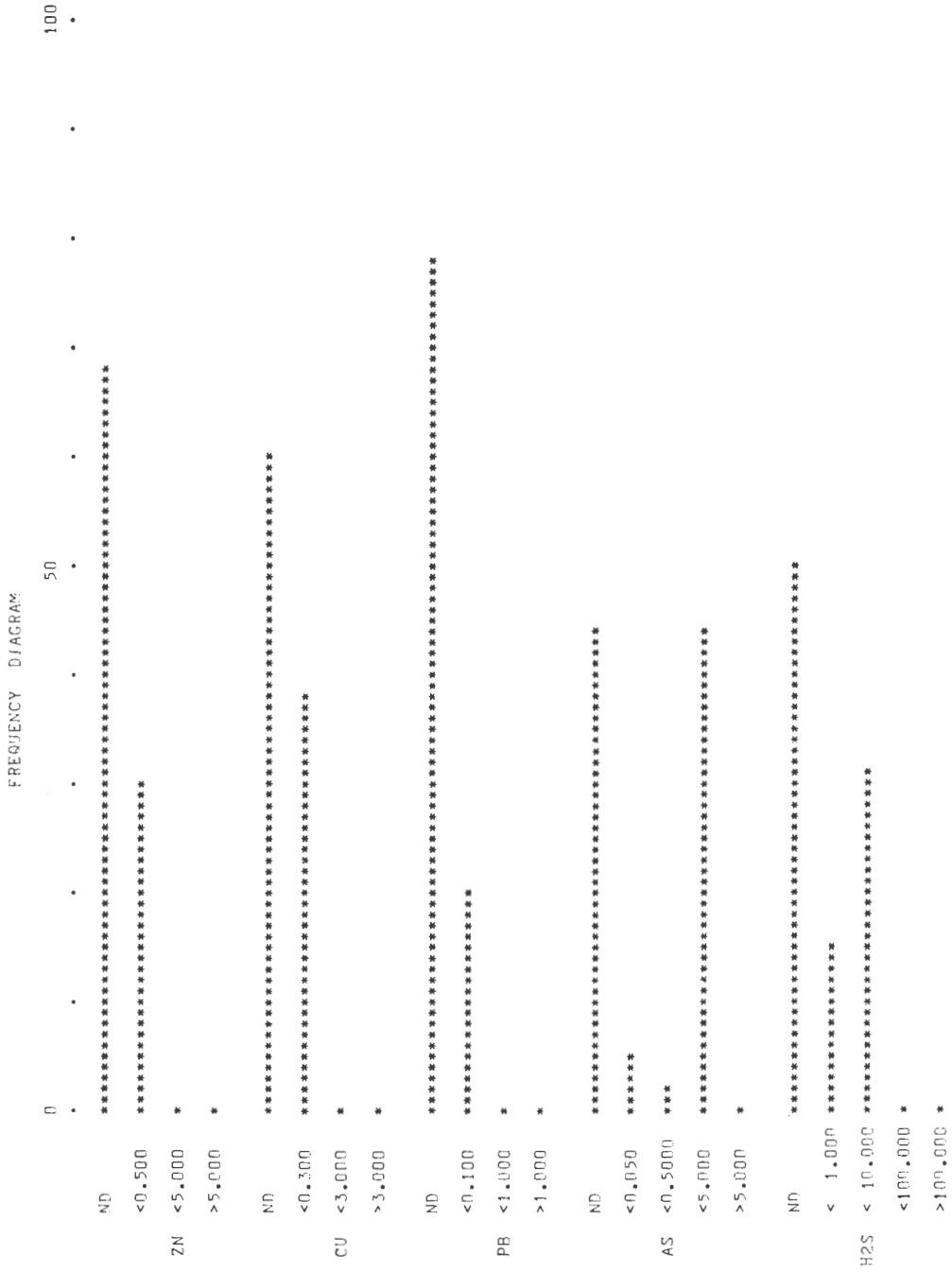
60.0 ≤ W. TEMP. < 90.0



第1-2図 豊羽・定山溪地域水質組成図(その5)(全試料)



第1-3図 豊羽・定山渓地域特定成分含量の頻度分布図



第2-1表 支笏・洞爺地域試料一覽表

| No. | 産 地 | 温 泉 名 | 源 泉 名 | 採 水 年 月 日 | 文 献 no. | 文 献 中 の 試 料 no. | 備 考 |
|-------|------------------------|-------|---------|--------------|---------|-----------------|--------------------|
| SYC-1 | 北海道登別市登別温泉町54 | 登 | 第一滝本1号 | 1952.11.28 | 13 | 107 | D=0m, Q=36l/m, F |
| "-2 | " | " | 第一滝本2号 | " | " | 108 | D=0m, F |
| "-3 | " | " | 第一滝本3号 | " | " | 109 | D=0m, F |
| "-4 | " | " | 第一滝本4号 | " | " | 110 | D=0m, F |
| "-5 | " | " | 第一滝本5号 | " | " | 111 | D=0m, F |
| "-6 | " | " | 第一滝本6号 | " | " | 112 | D=0m, F |
| "-7 | " | " | 第一滝本9号 | " | " | 113 | D=0m, Q=22l/m, F |
| "-8 | " | " | 第一滝本11号 | " | " | 114 | D=0m, F |
| "-9 | " | " | 第一滝本12号 | " | " | 115 | D=0m, F |
| "-10 | " | " | (玉川六郎) | " | " | 116 | D=0m, Q=389l/m, F |
| "-11 | " | " | 錦 湯 | " | " | 123 | |
| "-12 | " | " | 第一滝本15号 | (1953.10.15) | " | 159 | |
| "-13 | 有珠郡壮瞥町壮瞥温泉洞爺湖畔80 | 壮 | (壮 瞥 町) | (1954. 3.19) | " | 210 | |
| "-14 | 登別市登別温泉町幌別事業区7林班と小班 | 登 | 奥 の 湯 | (1954. 4.14) | " | 213 | D=0m, F |
| "-15 | " | " | 国立病院硫黄泉 | 1954. 5.14 | " | 218 | D=0m, F |
| "-16 | " | " | 国立病院塩類泉 | " | " | 219 | D=0m, Q=80l/m, F |
| "-17 | " | " | 国立病院鉄泉 | " | " | 220 | D=0m, Q=650l/m, F |
| "-18 | 虻田郡虻田町洞爺湖温泉町91の3 | 洞 | 公衆浴場 | " | " | 295 | D=50m, P |
| "-19 | " | " | えぞの湯 | " | " | 296 | D=30m, P |
| "-20 | " | " | 一二三旅館 | " | " | 297 | D=15m, P |
| "-21 | " | " | 万世温泉組合 | " | " | 298 | D=30m, P |
| "-22 | " | 壮 | 1号泉+2号泉 | " | " | 299 | D=7m, P |
| "-23 | 有珠郡壮瞥町壮瞥温泉洞爺湖畔1 | 瞥 | 青 湖 荘 | " | " | 301 | P |
| "-24 | " | " | (壮 瞥 町) | " | " | 303 | D=0m, F |
| "-25 | " | 蛭 | 伊藤旅館 | " | " | 304 | D=0m, F |
| "-26 | " | 北 | 観光ホテル | " | " | 306 | D=0m, F |
| "-27 | " | " | 錦 泉 閣 | " | " | 307 | D=0m, F |
| "-28 | " | " | (三松正夫) | " | " | 308 | D=0m, F |
| "-29 | " | " | 横山旅館 | " | " | 318 | D=0m, F |
| "-30 | " | 洞 | 観光ホテル | 1955. 2.15 | " | 319 | Q=400l/m, P |
| "-31 | 虻田郡虻田町洞爺湖温泉町78 | 登 | 富士屋旅館 | " | " | 335 | D=0m, Q=20l/m, F |
| " | 登別市登別温泉町76地先スリスリサンペンワ川 | | 梅 の 屋 | " | " | | |
| " | 支流河川敷地 | | | " | " | | |
| "-32 | 登別市登別温泉町国有林幌別経営区71林班 | 洞 | 第一滝本16号 | " | " | 344 | D=154m, Q=38l/m, F |
| "-33 | " | 登 | ひ げ 屋 | " | " | | D=15m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|--------|----------------------------|------|------------|------|----------------|-------|-----------|---------------------|
| SYC-34 | 北海道虻田郡虻田町洞爺湖温泉町128 | 洞爺湖 | 光風園 | 洞爺湖 | 1955. 7. 26 | 13 | 345 | D=40m, P |
| " | " 豊浦町旭町88屋先 | 洞爺湖 | (平野家康) | 洞爺湖 | " 7. 25 | " | 346 | D=1.8m, Q=0.5l/m, F |
| " | " 登別市登別温泉町55 | 別 | 第一滝本7号 | 別 | " 8. 10 | " | 355 | D=70m, Q=79l/m, F |
| " | " 有珠郡壮瞥町洞爺湖畔国有林有珠経営区81林班 | 壯 | 第一ホテル | 壯 | " 7. 26 | " | 365 | D=10.5m |
| " | " 虻田郡虻田町洞爺湖温泉町78 | 洞爺湖 | 五月旅館 | 洞爺湖 | " 7. 26 | " | 366 | D=25m, P |
| " | " " " 91 | " | 山の上ホテル | " | " 7. 26 | " | 368 | D=46m, P |
| " | " 登別市登別温泉町86 | 登 | 札鉄塩湯 | 登 | " 9. 10 | " | 372 | Q=25l/m, F |
| " | " 虻田郡虻田町洞爺湖温泉町国有林有珠事業区82林班 | 洞爺湖 | (斎藤東四郎) | 洞爺湖 | 1956. 6. 29 | " | 427 | P |
| " | " 有珠郡壮瞥町壮瞥温泉洞爺湖畔1の1 | 壯 | (富士製鉄K.K.) | 壯 | " 11. 16 | " | 452 | P |
| " | " " 大滝村北湯沢番外地 | 北 | (横山武八) | 北 | 1957. 2. 13 | " | 465 | D=0m, Q=25l/m, F |
| " | " " 昭國1地先 | " | (佐藤信二) | " | " 2. 13 | " | 466 | D=0m, Q=50l/m, F |
| " | " " 湯沢22地先堤防用地 | " | (向山清) | " | " 2. 13 | " | 467 | D=0m, Q=150l/m, F |
| " | " 登別市カルルス町7の3 | カルルス | 松の湯 | カルルス | " 3. 14 | " | 469 | D=0m, Q=30l/m, F |
| " | " 虻田郡虻田町洞爺湖温泉町国有林有珠事業区82林班 | 洞爺湖 | 万世1号 | 洞爺湖 | (1957. 7. 9) | " | 477 | F |
| " | " 登別市カルルス町7の3 | カルルス | (日野謙一) | カルルス | (1957. 7. 9) | " | 478 | D=40m, F |
| " | " 虻田郡虻田町洞爺湖温泉町国有林有珠事業区82林班 | 洞爺湖 | 万世2号 | 洞爺湖 | 1957. 5. 30 | " | 479 | F |
| " | " 有珠郡壮瞥町弁景205大弁景川堤防敷地 | 弁景 | (小野寺虎雄) | 弁景 | (1957. 7. 31) | " | 483 | P |
| " | " 虻田郡虻田町洞爺湖温泉町124 | 洞爺湖 | 洞爺ホテル | 洞爺湖 | (1958. 4. 1) | " | 523 | D=60m, P |
| " | " 有珠郡壮瞥町壮瞥温泉47の4 | 壯 | (三菱大夕張) | 壯 | " | " | 529 | F |
| " | " " 弁景118地先堤防用地 | 弁景 | 甲斐荘 | 弁景 | " | " | 531 | F |
| " | " 登別市登別温泉町100の2 | 登 | (須賀武夫) | 登 | " | " | 547 | F |
| " | " 有珠郡壮瞥町壮瞥温泉3 | 壯 | 青湖荘 | 壯 | (1958. 11. 10) | " | 550 | D=18m, P |
| " | " 登別市登別温泉町国有林71林班 | 登 | (登別温泉K.K.) | 登 | 1959. 3. 26 | " | 578 | D=0m, Q=20l/m, F |
| " | " 虻田郡虻田町洞爺湖温泉町124 | 洞爺湖 | (片山武男) | 洞爺湖 | (1959. 4. 7) | " | 581 | F |
| " | " 登別市登別温泉町96 | 登 | (道庁労働部) | 登 | (1959. 5. 18) | " | 585 | F |
| " | " 有珠郡大滝村湯沢20の2 | 北 | ホロボロ荘 | 北 | 1959. 7. 28 | " | 597 | D=45m, Q=23l/m, P |
| " | " 虻田郡豊浦町旭町83地先 | 弁 | (川平直作) | 弁 | " 8. 15 | " | 601 | D=0m, Q=0.02l/m, F |
| " | " 登別市登別温泉町国有林幌別経営区184林班 | 登 | 中の湯 | 登 | (1959. 9) | " | 605 | D=0m, F |
| " | " " " " | " | 日和山の湯 | " | (1959. 9) | " | 606 | D=0m, Q=50l/m, F |
| " | " 有珠郡壮瞥町壮瞥温泉80 | 壯 | 観光館 | 壯 | (1959) | " | 610 | D=35m, Q=420l/m, P |
| " | " " 大滝村昭國4地先河川堤防内 | 北 | (岡本勝) | 北 | 1959. 9. 28 | " | 616 | D=0m, Q=4l/m, F |
| " | " " 壮瞥町壮瞥温泉14の2 | 壯 | (遊佐敬徳) | 壯 | (1959. 12. 2) | " | 618 | D=35m, Q=200l/m, P |
| " | " 虻田郡虻田町洞爺湖温泉町78の4 | 洞爺湖 | (大西長光) | 洞爺湖 | 1959. 10. 4 | " | 622 | D=30m, Q=380l/m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 史料no. | 備考 |
|--------|------------------------|------|-----|--------------|-------------|-------|---------------|----------------------|
| SYC-67 | 北海道有珠郡大滝村北湯沢22地先 | 北湯沢 | 湯沢 | 難波(慶) | (1959.12.2) | 13 | 623 | D=7m, P |
| " | " | 壮警 | 警 | (遊佐敬徳) | 1959.11.17 | " | 627 | D=38m, P |
| " | " | 登別 | 別 | 奥の湯 | 1959.12.14 | " | 633 | D=0m, Q=2000l/m, F |
| " | 札幌 虹田郡虹田町洞爺湖温泉109 | 洞爺湖 | 湖 | こたん荘 | " | " | 638 | F |
| " | " | 登別 | 別 | 藤の湯 | 1960.4.11 | " | 645 | D=0m, F |
| " | " | " | " | 恒の湯 | " | " | 646 | D=0m, F |
| " | " | 洞爺湖 | 湖 | (万世温泉組合) | " | " | 693 | F |
| " | " | " | " | (土産物協同組合) | 1961.5.8 | " | 36-547 | D=83m, P |
| " | " | 壮警 | 警 | (土産物協同組合) | " | " | 36-548 | D=60m, P |
| " | 有珠郡壮警町壮警温泉48の2 | カールス | ス | (川南忠春) | " | " | 36-496 | D=36m, P |
| " | 登別市カールス町24地先河川敷地 | カールス | ス | (登別市) | " | " | 36-1206 | D=50m, F |
| " | 白老郡白老町国有林49林班 | 登別臨海 | 海 | (別府忠夫) | " | " | 36-1877 | D=0m, Q=75l/m, F |
| " | 登別市登別町62 | 洞爺湖 | 湖 | (住友石炭鉱業K.K.) | " | " | 36-2149 | D=360m, Q=345l/m, P |
| " | 有珠郡壮警町壮警温泉国有林室蘭事業区81林班 | 洞爺湖 | 湖 | (富士製鉄室蘭) | 1962.7.6 | " | 37-2061 | D=150m, Q=130l/m, P |
| " | " | 弁辺 | 辺 | (伊貸松蔵) | " | " | 37-2365 | D=0m, Q=2l/m, F |
| " | 虹田郡豊浦町旭町83地先海岸保全区域海浜地 | カールス | ス | (木村留蔵) | 1961.10.30 | " | 36-2611 | D=120m, Q=330l/m, P |
| " | 登別市カールス町26 | 弁景 | 景 | (三浦組治) | 1962.11.1 | " | 37-3661 | D=0m, Q=5l/m, F |
| " | 有珠郡壮警町仲洞爺250 | 登別 | 別 | (小野寺猪之吉) | 1963.2.19 | " | 38-573 | D=0m, Q=150l/m, F |
| " | " | カールス | ス | (野口秀次) | " | " | 38-1161 | D=65m, Q=7l/m, P |
| " | 登別市登別温泉町203の1 | 登別臨海 | 海 | (木村留蔵) | " | " | 38-1943 | D=120m, Q=160l/m, P |
| " | " | 洞爺湖 | 湖 | 住友3号 | " | " | 38-2101 | D=400m, Q=400l/m, F |
| " | カールス町26 | 洞爺湖 | 湖 | 協組3号 | " | " | 38-2131 | D=53m, P |
| " | 登別町257 | " | " | 協組4号 | " | " | 38-2132 | D=68m, P |
| " | 虹田郡虹田町洞爺湖温泉町81の6 | 登別 | 別 | 北海道ウタリ協会 | " | " | 38-2722 | D=70m, P |
| " | " | 登別 | 別 | (石川小二郎) | " | " | 38-3327 | D=170m, Q=155l/m, F |
| " | 登別市国有林登別温泉事業区184林班 | 登別 | 別 | 第一滝本17号 | 1964.1.16 | " | 39-258 | D=66m, Q=72l/m, F |
| " | 白老郡白老町虎杖派49 | 登別 | 別 | 第一滝本18号 | " | " | 39-261 | D=66m, Q=101l/m, F |
| " | 登別市登別温泉町55 | 森野 | 野 | (山口辰郎) | " | " | 39-412 | D=0m, Q=30l/m, F |
| " | " | 虎杖派 | 派 | (石川小二郎) | " | " | 39-1099 | D=310m, Q=60l/m, P |
| " | 白老郡白老町森野18地先白老河川敷地内 | 壮警 | 警 | 大東館 | " | " | 39-1363 | D=45m, Q=780l/m, P |
| " | " | 虎杖派 | 派 | (石川小二郎) | " | " | 39-2210 | D=723m, Q=1000l/m, P |
| " | " | 壮警 | 警 | (壮警町) | " | " | 39-2853 | D=130m, Q=250l/m, P |
| " | 白老郡白老町虎杖派335 | カールス | ス | (日野洋治) | " | " | 40-301 | Q=70l/m, F |
| " | 有珠郡壮警町国有林室蘭事業区412林班 | 登別臨海 | 海 | (田口竹雄) | 1965.3.10 | " | 40-770 | D=150m, F |
| " | 登別市カールス町13 | " | " | " | " | " | " | " |
| " | " | 登別町8 | " | " | " | " | " | " |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|---------|-----------------------------|-------|----------|------------|-------|---------------|----------------------|
| SYC-101 | 北海道白老郡白老町虎杖浜450 | 杖浜 | 臨海3号 | 1965. 3.16 | 13 | 40-860 | D=480m, Q=480//m, F |
| " | " " "竹浦 | " | (安部正夫) | " 5.13 | " | 40-981 | D=520m, Q=3600//m, F |
| " | 有珠郡大滝村国有林具知安営林署鈴川担当 区内 | " | (青木彦四郎) | " 4.27 | " | 40-924 | D=0m, Q=10//m, F |
| " | " 虻田郡虻田町三豊11の2 | 登別臨海 | (鈴木鎮平) | " 4.26 | " | 40-968 | D=0m, Q=3//m, F |
| " | " 登別市登別町257雑種地 | 登別 | 住友3号 | " 9.3 | " | 40-2491 | SYC-87と同一源泉 |
| " | " 国有林室蘭事業区398林班 | 登別 | (本田藤男) | " 9.3 | " | 40-2492 | D=0m, Q=10//m, F |
| " | " 白老郡白老町竹浦111の42 | 杖浜 | (中山弘) | " 10.8 | " | 40-2534 | D=500m, Q=1300//m, F |
| " | " 登別市登別町260の1 | 登別臨海 | 住友4号 | " 9.3 | " | 40-2545 | D=620m, Q=31.4//m, F |
| " | " 白老郡白老町虎杖浜450 | 杖浜 | 臨海3号 | " 10.26 | " | 40-3076 | SYC-101と同一源泉 |
| " | " 登別市登別町1 | 登別臨海 | 臨海5号 | " 11.1 | " | 40-3577 | D=600m, P |
| " | 有珠郡壮瞥町壮瞥温泉国有林室蘭事業区 412林班 | 壮瞥 | (壮瞥町) | " 12.13 | " | 40-3721 | D=134m, P |
| " | " 白老郡白老町虎杖浜439 | 杖浜 | 東北興業1 | 1966. 2.3 | " | 41-221 | D=900m |
| " | " " "竹浦145の1 | " | 東北興業2 | " 2.3 | " | 41-455 | D=500m, Q=600//m, F |
| " | " 虻田郡虻田町洞爺湖温泉町82の1 | 洞爺湖 | 協組5号 | " 2.3 | " | 41-495 | D=88m, P |
| " | " 白老郡白老町森野20地先堤防敷地 | 野 | 北炭観光白老2号 | " 5.24 | " | 41-1496 | D=88m, Q=100//m, F |
| " | " " "虎杖浜321の1 | 杖浜 | 虎杖の湯 | " 5.6 | " | 41-1527 | D=824m, Q=600//m, F |
| " | " " " " " | " | 臨海6号 | " 5.6 | " | 41-1957 | SYC-116と同一内容のデータ |
| " | " " " " "335の1 | " | 臨海7号 | " 6.20 | " | 41-2007 | D=712m, P |
| " | " 登別市登別温泉町55 | 登別洞爺湖 | 第一滝本館 | " 6.22 | " | 41-2046 | D=0m, Q=32//m, F |
| " | " 虻田郡虻田町国有林室蘭事業区410林班 | 洞爺湖 | 協組6号 | " 7.26 | " | 41-2053 | D=71m, P |
| " | " " " " " | " | 協組混合泉 | " 7.26 | " | 41-2054 | |
| " | " 白老郡白老町竹浦142の2 | 杖浜 | (佐藤末吉) | " 7.19 | " | 41-2457 | D=318m, Q=1200//m, F |
| " | " 有珠郡壮瞥町壮瞥温泉172 | 壮瞥 | (協同組合) | " 9.16 | " | 41-2897 | D=100m, P |
| " | " 白老郡白老町虎杖浜420の4 | 杖浜 | (大坪嘉市) | " 9.19 | " | 41-2936 | D=550m, Q=1400//m, F |
| " | " 登別市カールス町21 | カールス | (日野洋治) | " 9.29 | " | 41-3134 | D=60m, Q=150//m, F |
| " | " 白老郡白老町虎杖浜11 | 杖浜 | 臨海8号 | " 9.21 | " | 41-3331 | D=550m, Q=1500//m, F |
| " | " " " " "289の1 | " | (泉觀光) | " 11.17 | " | 41-3517 | D=487m, Q=320//m, F |
| " | " 虻田郡虻田町洞爺湖温泉町81の13 | 洞爺湖 | 協組7号 | 1967. 3.6 | " | 42-477 | D=90m, P |
| " | " 登別市カールス町11の2 | カールス | (日野洋治) | " 4.13 | " | 42-660 | D=45m, Q=60//m, F |
| " | " 白老郡白老町竹浦420の10 | 杖浜 | (札幌第一病院) | " 4.21 | " | 41-1053 | D=420m, Q=1800//m, F |
| " | " " " " "60 | " | (小池登美男) | " 6.3 | " | 42-1112 | D=520m, Q=800//m, F |
| " | " " " " "虎杖浜72 | " | 東北興業3 | " 6.7 | " | 42-1330 | D=480m, Q=2000//m, F |
| " | " " " " "400の2 | " | 東北興業 | " 6.7 | " | 42-1332 | D=550m, Q=250//m, F |
| " | " " " " "421の9 | " | (五十嵐仙治) | " 7.21 | " | 42-1889 | D=370m, Q=600//m, F |
| " | " " " " "48の2 | " | 臨海9号 | " 7.21 | " | 42-2198 | D=558m, Q=3200//m, F |
| " | 有珠郡大滝村昭園長流川右岸 | 北湯沢 | 溪明荘 | " 9.19 | " | 42-2471 | D=0m, F |

| No. | 産地 | 温泉水名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|---------|-----------------------------------|------|-------------------|------------|-------|----------------|----------------------|
| SYC-137 | 北海道白老郡白老町竹浦113の7 | 杖 | (柿原太助) | 1967. 9.12 | 13 | 42-2501 | D=657m, Q=1600//m, F |
| " -138 | " " " " 157の8 | " | (石井正夫) | " | " | 42-2502 | D=620m, Q=1000//m, F |
| " -139 | " " " " 虎杖浜154の1 | " | (山下光男) | " | " | 42-2680 | D=550m, Q=1540//m, F |
| " -140 | " " " " 7 | " | (紺野一) | " | " | 42-2681 | D=410m, Q=750//m, F |
| " -141 | " " " " 白老町竹浦118の26 | " | (山下徳治) | " | " | 42-2682 | D=420m, Q=1250//m, F |
| " -142 | " " " " 登別市登別町124の25 | 登別臨海 | (和田一夫) | " | " | 42-3300 | D=585m, Q=210//m, F |
| " -143 | " " " " 白老郡白老町北吉原245 | 北吉原 | (大昭和製紙K.K.) | " | " | 42-3519 | D=590m, Q=1000//m, F |
| " -144 | " " " " " " 竹浦279 | 杖 | (坂田工務店) | 1969. 2.14 | " | 44-411 | D=940m, P |
| " -145 | " " " " 虻田郡虻田町国有林室蘭事業区409林班 | 洞爺 | 協組8号 | 1968. 3. 4 | " | 43-509 | D=114m, P |
| " -146 | " " " " 有珠郡壮瞥町壮瞥温泉77の1 | 壮 | (協同組合) | " | " | 43-665 | D=116m, P |
| " -147 | " " " " " " 弁景205 | 弁 | (弁景観光開発) | " | " | 43-1131 | D=0m, Q=21//m, F |
| " -148 | " " " " 登別市登別町265 | 登別臨海 | 臨海R12号 | " | " | 43-1290 | P |
| " -149 | " " " " 白老郡白老町虎杖浜206 | 杖 | 泉觀光8号 | " | " | 43-1511 | D=428m, Q=1620//m, F |
| " -150 | " " " " 虻田郡虻田町国有林室蘭事業区410林班 | 洞爺 | 協組9号 | " | " | 43-1552 | D=103m, P |
| " -151 | " " " " " " " " | " | 協組1~9号混合泉 | " | " | 43-1553 | P |
| " -152 | " " " " 有珠郡壮瞥町鱈浜18 | 鱈 | 健康センター | " | " | 43-1878 | D=3m, F |
| " -153 | " " " " 白老郡白老町竹浦151の2 | 杖 | (富川兼吉) | " | " | 43-1880 | D=520m |
| " -154 | " " " " 登別市上登別町48の10 | カルルス | (日本通商) | " | " | 43-2042 | D=350m, P |
| " -155 | " " " " " " 登別温泉町56地先国有林室蘭事業区71林班 | 登別 | 第一滝本 酸性硫酸泉 | " | " | 43-2515 | D=0m, Q=15//m, F |
| " -156 | " " " " 白老郡白老町竹浦92 | 杖 | (兼松泰晴) | " | " | 43-3056 | F |
| " -157 | " " " " " " 白老国有林白老事業区297 林班 | 白 | (白老興業K.K.) | " | " | 43-3087 | D=1200m, Q=250//m, F |
| " -158 | " " " " " " 竹浦104 | 杖 | 道央觀光 | 1969. 3. 7 | " | 44-542 | D=550m, Q=400//m, F |
| " -159 | " " " " " " 182の2 | " | (後藤沼蓁) | " | " | 44-543 | D=655m, Q=600//m, F |
| " -160 | " " " " " " 虎杖浜504の1 | " | 東北興業3 | " | " | 44-544 | D=480m, Q=100//m, F |
| " -161 | " " " " " " 竹浦111の95 | " | (合田清一) | " | " | 44-545 | D=561m, Q=1300//m, F |
| " -162 | " " " " " " 149 | " | (合田清一) | " | " | 44-546 | D=451m, Q=1500//m, F |
| " -163 | " " " " " " 97 | " | (兼松泰晴) | " | " | 44-547 | D=670m, Q=2000//m, F |
| " -164 | " " " " " " 110の3 | " | (中山弘) | " | " | 44-548 | D=508m, Q=1300//m, F |
| " -165 | " " " " " " 132の2 | " | (蛸崎敏秋) | " | " | 44-549 | D=465m, Q=2000//m, F |
| " -166 | " " " " " " 虎杖浜412 | " | (山下敏男) | " | " | 44-550 | D=406m, Q=1200//m, F |
| " -167 | " " " " " " 竹浦150 | " | (山下光男) | " | " | 44-551 | D=446m, Q=1500//m, F |
| " -168 | " " " " " " 虎杖浜420の7 | " | (山下光男) | " | " | 44-552 | D=372m, Q=600//m, F |
| " -169 | " " " " " " 竹浦121の6 | 杖 | (壹場武儀) | " | " | 44-553 | D=370m, Q=1850//m, F |
| " -170 | " " " " " " 133 | " | リハビリテーション センター | " | " | 44-921-17 | D=440m, Q=1800//m, F |
| " -171 | " " " " 虻田郡豊浦町旭町83地先 | 弁 | (日本綜合食料) | " | " | 44-1308-20 | D=0m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|---------|--------------------------|-----|-----|----------------------|-------------|-------|-------------|----------------------|
| SYC-172 | 北海道虻田郡豊浦町旭町83地先 | 弁カ | 辺 | 微生物研究所 (日本健康K.K.) | 1969. 8. 21 | 13 | 44-1327-21 | D=0m, Q=1l/m, F |
| "-173 | " 登別市カルルス町35の1 | カ | ルス | (銀夷観光) | " 10.16 | " | 44-1780-31 | D=200m, P |
| "-174 | " 虻田郡豊浦町旭町83地先 | 弁 | 辺 | (北海道イオン) | " 10.23 | " | 44-1804-32 | SYC-171と同一内容のデータ |
| "-175 | " 白老郡白老町白老661の2 | 白 | 老 | (白老興業K.K.) | " 11. 6 | " | 44-1843-34 | D=1300m, Q=710l/m, F |
| "-176 | " 虎杖浜321の5 | 虎 | 杖 | (マルゲン観光) | " 11. 6 | " | 44-1999-36 | D=708m, Q=300l/m, F |
| "-177 | " 竹浦294の1 | " | " | (山下光男) | " 11. 6 | " | 44-2000-37 | D=650m, Q=273l/m, F |
| "-178 | " 竹浦297 | " | " | (山下敏男) | " 11. 5 | " | 44-2001-38 | D=680m, Q=350l/m, F |
| "-179 | " 竹浦114の1 | " | " | (山下徳治) | " 11. 6 | " | 44-2002-39 | D=600m, Q=2680l/m, F |
| "-180 | " 虎杖浜179の12 | " | " | (斎藤喜代志) | " 11. 5 | " | 44-2003-40 | D=500m, Q=1300l/m, F |
| "-181 | " 竹浦50の2 | " | " | (市川昌則) | " 11. 6 | " | 44-2004-41 | D=700m, F |
| "-182 | " 竹浦122の1 | " | " | (道南土地K.K.) | " 11. 5 | " | 44-2005-42 | D=480m, Q=828l/m, F |
| "-183 | " 竹浦101の41 | " | " | (斎藤忠男) | " 11. 5 | " | 44-2006-43 | D=600m, Q=560l/m, F |
| "-184 | " 竹浦101の13 | " | " | (合田テール) | " 11. 5 | " | 44-2007-44 | D=630m, Q=870l/m, F |
| "-185 | " 竹浦153の2 | " | " | (合田清一) | " 11. 5 | " | 44-2008-45 | D=540m, Q=980l/m, F |
| "-186 | " 竹浦420の131 | " | " | (佐々木昭造) | " 11. 5 | " | 44-2009-46 | D=462m, Q=1000l/m, F |
| "-187 | 登別市登別温泉町202地先堤防敷地内 | 登 | 別 | (渋谷隆道) | 1970. 4. 17 | " | 44-2824-59 | D=0m, Q=13l/m, F |
| "-188 | " 登別町307の3 | 登 | 別 | (北海道コンクリート) | " 4. 24 | " | 45-102-63 | D=110m, Q=204l/m, F |
| "-189 | " 竹浦115 | 虎 | 杖 | (北海道コンクリート) | " 4. 24 | " | 45-103-64 | D=76m, Q=1100l/m, F |
| "-190 | 白老郡白老町竹浦110 | " | 杖 | (泉 亀太郎) | " 6. 8 | " | 45-519-70 | D=554m, Q=1000l/m, F |
| "-191 | " 竹浦151 | " | " | (温泉ホテル) | " 6. 9 | " | 45-527-78 | D=549m, Q=800l/m, F |
| "-192 | " 竹浦151 | " | " | (荒木朝光) | " 6. 8 | " | 45-526-77 | D=665m, Q=770l/m, F |
| "-193 | " 竹浦176の14 | " | " | (山下徳治) | " 6. 8 | " | 45-525-76 | D=688m, Q=400l/m, F |
| "-194 | " 竹浦17 | " | " | (大成観光) | " 6. 9 | " | 45-524-75 | D=500m, Q=780l/m, F |
| "-195 | " 竹浦61 | " | " | (大成観光) | " 11. 9 | " | 45-523-74 | D=750m, Q=380l/m, F |
| "-196 | " 竹浦157 | " | " | (西村留男) | " 6. 8 | " | 45-522-73 | D=650m, Q=1750l/m, F |
| "-197 | " 虎杖浜323 | " | " | (松嶋良一) | " 6. 9 | " | 45-521-72 | D=430m, Q=120l/m, F |
| "-198 | " 竹浦94 | " | " | (合田清一) | " 6. 8 | " | 45-520-71 | D=680m, Q=780l/m, F |
| "-199 | " 竹浦60の2 | " | " | (山下広作) | " 8. 31 | " | 45-905-88 | D=400m, Q=700l/m, F |
| "-200 | 虻田郡虻田町洲崎温泉町国有村室蘭事業区409林班 | 洞 | 爺 | 協組10号 | " 8. 28 | " | 45-1127-102 | D=115m, P |
| "-201 | 白老郡白老町竹浦153の4 | 虎 | 杖 | (合田清一) | " 11. 9 | " | 45-1504-110 | D=600m, Q=2400l/m, F |
| "-202 | " 虎杖浜41の2 | " | " | (吉沢 久) | " 11. 9 | " | 45-1505-111 | D=580m, Q=500l/m, F |
| "-203 | " 竹浦50の3 | " | " | (川口春一) | " 11. 9 | " | 45-1506-112 | D=650m, Q=520l/m, F |
| "-204 | " 竹浦115の1原野 | " | " | (大山ハル) | " 11. 9 | " | 45-1507-113 | D=598m, Q=1500l/m, F |
| "-205 | " 北吉原471の1 | 北 | 吉 | (共栄興産) | " 12. 25 | " | 45-1604-114 | D=1300m, Q=800l/m, F |
| "-206 | 有珠郡大滝村北湯沢326地先長流川河川敷地 | 北 | 湯 | (小野幸作) | 1971. 2. 24 | " | 45-1824-119 | D=0m, F |
| "-207 | " 北湯沢34北珠肉川堤防敷地 | " | " | (相馬長蔵) | " 2. 24 | " | 45-1996-121 | D=7. 5m, P |

| No. | 産地 | 温泉名 | 温泉名別 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|---------|---------------|-----|--------|-------------|-------------|-------|-------------|---------------------|
| SYC-243 | 北海道登別市登別温泉町55 | 登 | 第一滝本7号 | 第一滝本7号 | 1973. 2. 23 | 13 | 47-1379-270 | D=100m, Q=30 l/m, F |
| " | " | " | " | 第一滝本10号 | " | " | 47-1380-271 | D=0m, Q=40 l/m, F |
| " | " | " | " | 56地先河川敷地 | " | " | 47-1381-272 | D=0m, Q=180 l/m, F |
| " | " | " | " | 56地先国有林71林班 | " | " | 47-1382-273 | D=80m, Q=98 l/m, F |
| " | " | " | " | 56 | " | " | 47-1383-274 | D=66m, Q=270 l/m, F |
| " | " | " | " | 55 | " | " | 47-1384-275 | D=45m, Q=26 l/m, F |

源泉名の()は申請者名, 採水年月日の()は報告年月日,

備考のDは深度(m), Qは湧(揚)水量(l/m), Fは自噴, Pはポンプ揚水, D=0m……Fは自然湧出を示す.

第2-2表 支笏・洞爺地域水質一覽表

| NO | SYC | | | |
|----------------------------------|----------|---------|---------|----------|
| | 1 | 2 | 3 | 4 |
| TEMP | 76.0 | 80.0 | 80.0 | 62.0 |
| TSM | 1555.400 | 178.800 | 152.000 | 1689.200 |
| PH(FD) | 7.00 | 5.50 | 6.60 | 7.40 |
| PH(LB) | 7.00 | 5.50 | 6.60 | 7.40 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 20.750 | | | |
| NA | 525.079 | 16.916 | | 102.289 |
| NH4 | 0.910 | TR | 18.000 | 245.022 |
| CA | 162.520 | 17.319 | 1.643 | TR |
| MG | 49.600 | 15.550 | 17.732 | 134.121 |
| FE | | 1.260 | 0.895 | TR |
| MN | 0.080 | | 0.927 | 0.655 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | | | | 2.256 |
| CL | 1054.650 | 5.150 | 3.433 | 32.616 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 35.690 | 38.260 | 0.797 | 575.549 |
| S203 | | | | |
| HCO3 | | | | |
| CO3 | 312.600 | 118.145 | 18.393 | 456.822 |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HE02 | 140.167 | 37.192 | 21.197 | 64.391 |
| H3PO4 | 33.590 | 2.228 | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 44.350 | 53.222 | | 35.482 |
| RN (*F-10 CURIE/L) | | 4.800 | 2.413 | 17.818 |
| NA/K | | | | |
| CA/(HCO3+CO3) | 43.032 | 0.446 | 2.935 | 4.140 |
| MG/CA | 1.583 | 1.481 | 1.048 | 0.894 |
| NA/CA | 0.503 | | | |
| CL/(HCO3+CO3) | 2.816 | 0.851 | 0.886 | 1.619 |
| CL/F | 5.807 | 0.075 | 0.521 | 0.123 |
| CL*100/(CL+S04+HCO3+CO3) | | | | |
| S04*100/(CL+S04+HCO3+CO3) | 73.539 | 5.048 | 9.306 | 4.512 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 2.086 | 27.676 | 61.727 | 58.768 |
| (NA+K)*100/(NA+K+CA+MG) | 14.355 | 67.277 | 28.967 | 36.720 |
| CA*100/(NA+K+CA+MG) | 65.719 | | | |
| MG*100/(NA+K+CA+MG) | 22.804 | | | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 11.477 | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 85.615 | 32.723 | 71.033 | 63.280 |
| (NA+K)*100/(NA+K+CA+MG) | 14.355 | 67.277 | 28.967 | 36.720 |
| (CA+MG)*100/(NA+K+CA+MG) | 65.719 | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 34.281 | | | |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 5 | SYC 6 | SYC 7 | SYC 8 |
|----------------------------------|----------|----------|----------|----------|
| NO | 63.0 | 55.0 | 65.0 | 40.0 |
| TEMP | 3312.070 | 1946.000 | 2788.800 | 4043.200 |
| TSM | 6.80 | 5.20 | 6.80 | 5.60 |
| PH(FD) | | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 110.300 | 68.810 | 47.970 | 116.397 |
| NA | 652.360 | 462.968 | 526.576 | 1015.556 |
| NH4 | 1.800 | 0.100 | 0.046 | 2.235 |
| CA | 249.670 | 131.950 | 178.362 | 199.582 |
| MG | 17.720 | 1.458 | 86.743 | 36.691 |
| FE | 1.166 | 0.042 | TR. | TR. |
| MN | 0.369 | 0.013 | TR. | TR. |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | - |
| CL | 1360.700 | 850.490 | 1163.889 | 2076.273 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 138.190 | 156.870 | 3.266 | 63.356 |
| S203 | - | - | - | - |
| HC03 | 247.050 | 4.049 | 320.537 | 22.458 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 136.628 | 2.275 | 151.579 | 312.756 |
| H3P04 | 114.070 | 2.375 | 40.105 | 248.874 |
| HAS02 | - | - | - | - |
| CO2 | 88.704 | 2.015 | 186.278 | 168.538 |
| H2S | 0.774 | 0.021 | 51.970 | 1.136 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 10.058 | 11.442 | 18.667 | 14.837 |
| CA/(HC03+CO3) | 3.077 | 3.120 | 1.694 | 27.057 |
| MG/CA | 0.117 | 0.126 | 0.802 | 0.303 |
| NA/CA | 2.278 | 3.059 | 2.574 | 4.436 |
| CL/(HC03+CO3) | 9.480 | 11.370 | 6.250 | 159.125 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 84.714 | 81.694 | - | 97.200 |
| S04*100/(CL+S04+HC03+CO3) | 6.350 | 11.121 | - | 2.189 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.936 | 7.185 | - | 0.611 |
| (NA+K)*100/(NA+K+CA+MG) | 69.153 | 74.712 | 60.075 | 78.417 |
| CA*100/(NA+K+CA+MG) | 27.615 | 22.463 | 25.155 | 16.562 |
| MG*100/(NA+K+CA+MG) | 3.232 | 2.824 | 17.770 | 5.021 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 91.064 | 92.815 | - | 99.389 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.936 | 7.185 | - | 0.611 |
| (NA+K)*100/(NA+K+CA+MG) | 69.153 | 74.712 | 60.075 | 78.417 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.847 | 25.288 | 39.925 | 21.583 |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| NO | SYC 9 | | SYC 10 | | SYC 11 | | SYC 12 | |
|----------------------------------|---------|---------|---------|---------|--------|----------|---------|---------|
| | TEMP | TSM | TEMP | TSM | TEMP | TSM | TEMP | TSM |
| PH(FD) | 39.0 | 544.000 | 54.0 | 773.600 | 61.0 | 1483.200 | 93.0 | 416.400 |
| PH(LB) | 2.40 | - | 5.80 | - | 6.20 | - | 3.40 | - |
| H (MG/KG)(MVAL/KG) | 2.799 | - | 83.030 | - | 2.124 | - | 19.050 | - |
| K | - | 16.916 | 71.617 | - | 3.115 | - | 260.300 | 0.487 |
| NA | - | - | 1.060 | - | 0.060 | - | 1.452 | 1.323 |
| NH4 | - | 12.260 | 90.060 | - | 4.494 | - | 125.400 | 4.472 |
| CA | TR. | TR. | 7.000 | - | 0.576 | - | 52.940 | 15.350 |
| MG | 0.965 | - | 0.354 | - | 0.013 | - | TR. | 6.257 |
| FE | - | - | - | - | - | - | - | 4.540 |
| MN | - | - | - | - | - | - | - | 7.796 |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | 12.603 | - | - | - | - | - | - | - |
| CL | 16.512 | - | 127.800 | - | 3.605 | - | 471.600 | 13.830 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| SO4 | 384.098 | - | 186.700 | - | 3.837 | - | 105.300 | 2.192 |
| S2O3 | - | - | - | - | - | - | - | - |
| HC03 | - | - | 177.840 | - | 2.915 | - | 381.400 | 6.251 |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 1.739 | - | 132.320 | - | 2.203 | - | 192.325 | 3.202 |
| H2O2 | 104.396 | - | 10.026 | - | 0.229 | - | 35.070 | 0.800 |
| H3PO4 | - | - | - | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | 314.900 | - | 70.963 | - | 1.612 | - | 399.200 | 9.070 |
| H2S | 1.114 | - | 19.118 | - | 0.561 | - | 51.928 | 1.524 |
| RN (*E=10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | - | - | 1.467 | - | 23.236 | - | 8.554 | - |
| CA/(HC03+C03) | - | - | 1.542 | - | 1.001 | - | 0.488 | - |
| MG/CA | - | - | 0.128 | - | 0.696 | - | 1.664 | - |
| NA/CA | 1.203 | - | 0.693 | - | 1.810 | - | 1.664 | - |
| CL/(HC03+C03) | - | - | 1.237 | - | 2.128 | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+SO4+HC03+C03) | - | - | 34.642 | - | 61.175 | - | - | - |
| SO4*100/(CL+SO4+HC03+C03) | - | - | 37.350 | - | 10.081 | - | - | - |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | - | - | 28.008 | - | 28.744 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | - | - | 50.821 | - | 52.668 | - | 55.540 | - |
| CA*100/(NA+K+CA+MG) | - | - | 43.592 | - | 27.905 | - | 29.884 | - |
| MG*100/(NA+K+CA+MG) | - | - | 5.587 | - | 19.427 | - | 14.576 | - |
| (CL+SO4)*100/(CL+SO4+HC03+C03) | - | - | 71.992 | - | 71.256 | - | - | - |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | - | - | 28.008 | - | 28.744 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | - | - | 50.821 | - | 52.668 | - | 55.540 | - |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | 49.179 | - | 47.332 | - | 44.460 | - |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| | SYC 13 | SYC 14 | SYC 15 | SYC 16 |
|----------------------------------|----------|---------|----------|----------|
| NO | - | 80.0 | 74.0 | 80.0 |
| TEMP | 19.9 | 893.000 | 1043.500 | 4367.200 |
| TSM | 7.60 | 5.70 | 2.60 | 6.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | 5.100 | - |
| K | 3.900 | 11.550 | 0.295 | 3.990 |
| NA | 44.400 | 117.500 | 5.111 | 1038.800 |
| NH4 | - | - | - | - |
| CA | 222.700 | 36.450 | 1.819 | 247.100 |
| MG | 196.000 | 4.100 | 0.337 | 46.300 |
| FE | 16.040 | 5.100 | 0.183 | 0.081 |
| MN | 3.200 | 0.230 | 0.008 | 0.550 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 16.400 | 11.220 | 1.248 | 9.800 |
| CL | 78.100 | 247.790 | 6.990 | 2088.500 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 1190.600 | 23.860 | 0.497 | 90.900 |
| S203 | - | - | - | - |
| HC03 | 309.400 | 62.190 | 1.019 | 102.400 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 74.007 | 1.232 | 4.811 | 229.328 |
| HB02 | 10.900 | 0.249 | 1.227 | 144.700 |
| H3PO4 | 0.082 | 0.001 | 2.052 | 0.858 |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | - | 2.040 | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 19.360 | 17.300 | 114.246 | 442.739 |
| CA/(HC03+CO3) | 2.191 | 1.784 | - | 7.347 |
| MG/CA | 1.451 | 0.185 | 1.296 | 0.309 |
| NA/CA | 0.174 | 2.810 | 0.693 | 3.665 |
| CL/(HC03+CO3) | 0.434 | 6.838 | - | 35.104 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 6.872 | 82.177 | - | 94.285 |
| S04*100/(CL+S04+HC03+CO3) | 77.312 | 5.840 | - | 3.029 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 15.816 | 11.983 | - | 2.686 |
| (NA+K)*100/(NA+K+CA+MG) | 6.939 | 71.489 | 23.353 | 73.726 |
| CA*100/(NA+K+CA+MG) | 37.963 | 24.050 | 33.385 | 20.072 |
| MG*100/(NA+K+CA+MG) | 55.099 | 4.461 | 43.262 | 6.202 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 84.184 | 88.017 | - | 97.314 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 15.816 | 11.983 | - | 2.686 |
| (NA+K)*100/(NA+K+CA+MG) | 6.939 | 71.489 | 23.353 | 73.726 |
| (CA+MG)*100/(NA+K+CA+MG) | 93.061 | 28.511 | 76.647 | 26.274 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SVC 17 | SVC 18 | SVC 19 | SVC 20 |
|----------------------------------|---------|----------|----------|----------|
| NO | 83.0 | 46.0 | 43.0 | 42.0 |
| TEMP | 681.400 | 1669.600 | 1648.800 | 1637.200 |
| TSM | 5.60 | 7.40 | 7.40 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 1.330 | 0.034 | 0.143 | 0.000 |
| NA | 148.800 | 6.473 | 15.904 | 401.100 |
| NH4 | - | - | 2.000 | 0.051 |
| CA | 23.900 | 104.100 | 82.600 | 90.300 |
| MG | 9.800 | 19.600 | 42.700 | 19.100 |
| FE | 0.380 | 0.210 | 0.380 | 1.572 |
| MN | 0.300 | 0.270 | 1.170 | 0.160 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 5.100 | 0.567 | 1.800 | 0.990 |
| CL | 283.800 | 370.600 | 10.455 | 352.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 53.000 | 434.000 | 9.036 | 421.300 |
| S203 | - | - | - | - |
| HCO3 | - | 218.800 | 3.586 | 306.000 |
| CO3 | - | - | 218.500 | 5.015 |
| SI02 (MG/KG)(MMOL/KG) | 59.547 | 74.007 | 103.548 | 76.391 |
| HB02 | 70.300 | 11.560 | 7.700 | 11.560 |
| H3PO4 | 1.041 | - | - | - |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 5.750 | 0.169 | - | - |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 190.257 | 111.021 | 295.300 | 170.522 |
| CA/(HCO3+CO3) | - | 1.449 | 1.151 | 0.898 |
| MG/CA | 0.676 | 0.310 | 0.853 | 0.349 |
| NA/CA | 5.427 | 3.062 | 3.665 | 3.872 |
| CL/(HCO3+CO3) | - | 2.915 | 2.948 | 1.984 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | - | - | - | - |
| SO4*100/(CL+SO4+HCO3+CO3) | - | 45.304 | 45.808 | 41.924 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | - | 39.156 | 38.651 | 36.949 |
| (NA+K)*100/(NA+K+CA+MG) | - | 15.540 | 15.541 | 21.127 |
| CA*100/(NA+K+CA+MG) | 76.498 | 70.214 | 66.502 | 74.277 |
| MG*100/(NA+K+CA+MG) | 14.021 | 22.729 | 18.082 | 19.071 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 9.481 | 7.057 | 15.415 | 6.652 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | - | 84.460 | 84.459 | 78.873 |
| (NA+K)*100/(NA+K+CA+MG) | - | 15.540 | 15.541 | 21.127 |
| (CA+MG)*100/(NA+K+CA+MG) | 76.498 | 70.214 | 66.502 | 74.277 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.502 | 29.786 | 33.496 | 25.723 |

第2-2表 支笏・洞爺地域水質一覽表 (つづき)

| | SYC 21 | SYC 22 | SYC 23 | SYC 24 |
|----------------------------------|----------|----------|----------|----------|
| NO | 43.0 | 44.0 | 44.0 | 68.0 |
| TEMP | 1653.200 | 3767.200 | 1683.300 | 1110.500 |
| TSM | 7.40 | 7.40 | 7.00 | 7.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| μ (MG/KG) (MVAL/KG) | | | | |
| K | 5.600 | 8.400 | 1.900 | 0.041 |
| NA | 411.300 | 1057.700 | 349.800 | 220.000 |
| NH4 | - | - | - | - |
| CA | 80.600 | 231.000 | 92.900 | 88.100 |
| MG | 15.800 | 14.400 | 50.400 | 3.600 |
| FE | 0.300 | 0.570 | 0.660 | - |
| MN | 0.590 | 0.150 | 2.300 | 0.020 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 4.400 | 0.530 | 7.500 | - |
| CL | 409.800 | 1564.300 | 354.600 | 288.600 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 419.600 | 538.100 | 429.300 | 241.800 |
| S203 | - | - | - | - |
| HC03 | 218.500 | 212.400 | 368.500 | 68.700 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 91.162 | 104.394 | 65.314 | 1.652 |
| HB02 | 7.700 | 28.900 | 11.000 | 17.600 |
| H3P04 | - | - | 0.255 | 0.204 |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURTE/L) | - | - | - | - |
| NA/K | 124.899 | 214.127 | 313.080 | 233.825 |
| CA/(HC03+CO3) | 1.123 | 3.311 | 0.768 | 3.904 |
| MG/CA | 0.323 | 0.103 | 0.895 | 0.067 |
| NA/CA | 4.048 | 3.992 | 3.282 | 2.177 |
| CL/(HC03+CO3) | 3.228 | 12.676 | 1.656 | 7.230 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 48.415 | 75.032 | 40.043 | 56.926 |
| S04*100/(CL+S04+HC03+CO3) | 36.587 | 19.045 | 35.779 | 35.201 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 14.998 | 5.919 | 24.177 | 7.873 |
| (NA+K)*100/(NA+K+CA+MG) | 77.214 | 78.431 | 63.477 | 67.193 |
| CA*100/(NA+K+CA+MG) | 17.219 | 19.558 | 19.277 | 30.735 |
| MG*100/(NA+K+CA+MG) | 5.567 | 2.011 | 17.246 | 2.071 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 85.002 | 94.081 | 75.823 | 92.127 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 14.998 | 5.919 | 24.177 | 7.873 |
| (NA+K)*100/(NA+K+CA+MG) | 77.214 | 78.431 | 63.477 | 67.193 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.786 | 21.569 | 36.523 | 32.807 |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| | SYC 25 | SYC 26 | SYC 27 | SYC 28 |
|----------------------------------|---------|---------|---------|---------|
| NO | 71.0 | 86.0 | 87.0 | 80.0 |
| TEMP | 756.750 | 814.000 | 805.250 | 799.250 |
| TSM | 7.80 | 8.00 | 8.00 | 7.60 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 1.900 | 0.049 | 0.037 | 1.030 |
| NA | 190.500 | 8.287 | 8.904 | 187.800 |
| NH4 | - | 2.100 | 1.440 | - |
| CA | 30.000 | 214.000 | 204.700 | - |
| MG | 2.500 | 27.900 | 28.400 | 42.000 |
| FE | - | 3.200 | 2.900 | 4.400 |
| MN | TP. | - | 0.030 | 0.040 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 150.400 | 4.525 | 4.925 | 167.500 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | 0.017 | 0.017 | - |
| OH | - | 0.001 | 0.001 | - |
| S04 | 229.500 | 4.591 | 4.878 | 5.113 |
| S203 | - | 234.300 | 215.000 | 245.600 |
| HCO3 | 56.000 | 49.100 | 54.000 | 50.000 |
| CO3 | - | 6.800 | 2.000 | - |
| ST02 (MG/KG)(MMOL/KG) | 88.777 | 1.478 | 1.461 | 88.470 |
| H3P04 | 11.000 | 9.007 | 6.755 | 11.000 |
| HAS02 | - | 0.235 | 0.153 | 0.251 |
| CO2 | - | - | - | - |
| H2S | 1.700 | 0.050 | 0.087 | 2.380 |
| HN (*F-I0 CURIE/L) | - | - | - | - |
| NA/K | 170.502 | 173.294 | 241.738 | 310.061 |
| CA/(HCO3+CO3) | 1.631 | 1.350 | 1.489 | 2.557 |
| MG/CA | 0.137 | 0.189 | 0.168 | 0.173 |
| NA/CA | 5.536 | 6.686 | 6.283 | 3.898 |
| CL/(HCO3+CO3) | 4.930 | 4.677 | 5.175 | 5.766 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 45.098 | 44.943 | 47.573 | 44.334 |
| S04*100/(CL+S04+HCO3+CO3) | 45.755 | 45.448 | 43.235 | 47.977 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.148 | 9.609 | 9.192 | 7.689 |
| (NA+K)*100/(NA+K+CA+MG) | 33.037 | 84.975 | 84.375 | 76.929 |
| CA*100/(NA+K+CA+MG) | 14.913 | 12.635 | 13.375 | 19.672 |
| MG*100/(NA+K+CA+MG) | 2.049 | 2.390 | 2.252 | 3.399 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 90.852 | 90.391 | 90.808 | 92.311 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.148 | 9.609 | 9.192 | 7.689 |
| (NA+K)*100/(NA+K+CA+MG) | 33.037 | 84.975 | 84.375 | 76.929 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.963 | 15.025 | 15.625 | 23.071 |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| | SYC 29 | SYC 30 | SYC 31 | SYC 32 |
|----------------------------------|---------|----------|----------|----------|
| NO | 95.0 | 49.0 | 58.0 | 55.0 |
| TEMP | 727.200 | 1732.400 | 2132.400 | 1714.000 |
| TSM | 7.40 | 7.20 | 6.50 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.300 | 4.080 | 0.104 | 0.059 |
| NA | 165.900 | 408.100 | 17.752 | 325.800 |
| NH4 | - | - | 2.300 | 14.172 |
| CA | 38.300 | 96.300 | 87.500 | 104.600 |
| MG | 9.800 | 27.700 | 9.400 | 2.000 |
| FE | 0.060 | 0.040 | 0.774 | 0.035 |
| MN | - | 1.330 | 0.180 | 0.003 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 0.510 | 2.357 |
| CL | 146.200 | 406.700 | 11.473 | 672.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 166.600 | 472.200 | 9.831 | 36.600 |
| S203 | - | - | - | - |
| HC03 | 144.700 | 224.400 | 3.678 | 253.600 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 69.545 | 91.470 | 1.523 | 226.944 |
| H3P04 | 19.700 | 21.900 | 0.500 | 89.100 |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 217.016 | 170.096 | 463.510 | 154.759 |
| CA/(HC03+CO3) | 0.806 | 1.307 | 2.101 | 1.256 |
| MG/CA | 0.022 | 0.474 | 0.177 | 0.383 |
| NA/CA | 3.776 | 3.694 | 6.246 | 2.715 |
| CL/(HC03+CO3) | 1.739 | 3.119 | 13.391 | 4.562 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 41.390 | 45.925 | 85.646 | 79.402 |
| S04*100/(CL+S04+HC03+CO3) | 34.810 | 39.353 | 7.958 | 3.191 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.801 | 14.722 | 6.396 | 17.407 |
| (NA+K)*100/(NA+K+CA+MG) | 72.735 | 71.594 | 84.170 | 66.396 |
| CA*100/(NA+K+CA+MG) | 19.174 | 19.267 | 13.448 | 24.296 |
| MG*100/(NA+K+CA+MG) | 8.091 | 9.139 | 2.382 | 9.308 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 76.199 | 85.278 | 93.604 | 82.593 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.801 | 14.722 | 6.396 | 17.407 |
| (NA+K)*100/(NA+K+CA+MG) | 72.735 | 71.594 | 84.170 | 66.396 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.265 | 28.406 | 15.830 | 33.604 |

第2-2表 支笏・洞窟地域水質一覧表（つづき）

| NO | SYC 33 | | SYC 34 | | SYC 35 | | SYC 36 | |
|----------------------------------|---------|----------|---------|----------|-----------|-----------|---------|----------|
| | TEMP | PH(FD) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| | 34.0 | 1647.200 | 44.0 | 1701.600 | 21.0 | 28959.000 | 51.0 | 1130.800 |
| | 7.20 | 7.20 | 7.10 | 7.10 | 2.00 | 2.00 | 6.80 | 6.80 |
| | — | — | — | — | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — | 10.080 | 10.000 | — | — |
| K | 2.530 | 0.065 | 3.900 | 0.100 | 13.600 | 0.348 | 2.620 | 0.067 |
| NA | 426.100 | 18.535 | 387.400 | 16.852 | 81.800 | 3.558 | 169.400 | 7.369 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 72.000 | 3.293 | 100.200 | 5.035 | 8.600 | 0.429 | 108.300 | 5.404 |
| MG | 16.900 | 1.391 | 18.600 | 1.531 | 18.800 | 1.547 | 47.800 | 3.517 |
| FE | 0.050 | 0.002 | 0.060 | 0.002 | 5700.000 | 204.117 | 0.385 | 0.014 |
| MN | 0.820 | 0.030 | 0.620 | 0.023 | 1.840 | 0.067 | 0.430 | 0.016 |
| ZN | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — |
| AL | 4.830 | 0.537 | 3.800 | 0.423 | 986.000 | 109.633 | 3.520 | 0.391 |
| CL | 419.100 | 11.823 | 426.500 | 12.032 | 570.800 | 16.102 | 360.100 | 10.158 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | — | — | — | — | — | — | — | — |
| OH | — | — | — | — | — | — | — | — |
| S04 | 406.900 | 8.472 | 426.200 | 8.873 | 20458.785 | 425.952 | 40.300 | 0.839 |
| S203 | — | — | — | — | — | — | — | — |
| HC03 | 235.100 | 3.853 | 241.200 | 3.953 | — | — | 377.300 | 6.184 |
| C03 | — | — | — | — | — | — | — | — |
| ST02 (MG/KG) (MMOL/KG) | — | — | — | — | — | — | — | — |
| HB02 | 44.389 | 0.739 | 77.161 | 1.285 | 98.009 | 1.632 | 101.163 | 1.684 |
| H3P04 | 7.200 | 0.164 | 5.300 | 0.121 | — | — | 44.500 | 1.015 |
| HAS02 | — | — | — | — | 1.838 | 0.019 | — | — |
| C02 | — | — | — | — | — | — | — | — |
| H2S | — | — | — | — | — | — | — | — |
| RN (*E-10 CURIE/L) | — | — | — | — | — | — | — | — |
| NA/K | 246.404 | 168.921 | 168.921 | — | 10.228 | — | 109.951 | — |
| CA/(HC03+C03) | 0.932 | 1.274 | 1.274 | — | — | — | 0.874 | — |
| MG/CA | 0.387 | 0.304 | 0.304 | — | 3.605 | — | 0.725 | — |
| NA/CA | 5.159 | 3.347 | 3.347 | — | 8.292 | — | 1.364 | — |
| CL/(HC03+C03) | 3.068 | 3.043 | 3.043 | — | — | — | 1.643 | — |
| CL/F | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 48.960 | 48.401 | 48.401 | — | — | — | 59.124 | — |
| S04*100/(CL+S04+HC03+C03) | 35.083 | 35.696 | 35.696 | — | — | — | 4.883 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.957 | 15.903 | 15.903 | — | — | — | 35.992 | — |
| (NA+K)*100/(NA+K+CA+MG) | 78.869 | 72.082 | 72.082 | — | 66.405 | — | 44.375 | — |
| CA*100/(NA+K+CA+MG) | 15.234 | 21.410 | 21.410 | — | 7.295 | — | 32.250 | — |
| MG*100/(NA+K+CA+MG) | 5.897 | 6.508 | 6.508 | — | 26.300 | — | 23.375 | — |
| (CL+S04)*100/(CL+S04+HC03+C03) | 84.043 | 84.097 | 84.097 | — | — | — | 64.008 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.957 | 15.903 | 15.903 | — | — | — | 35.992 | — |
| (NA+K)*100/(NA+K+CA+MG) | 78.869 | 72.082 | 72.082 | — | 66.405 | — | 44.375 | — |
| (CA+MG)*100/(NA+K+CA+MG) | 21.131 | 27.918 | 27.918 | — | 33.595 | — | 55.625 | — |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SVC 37 | SVC 38 | SVC 39 | SVC 40 |
|----------------------------------|----------|----------|----------|----------|
| NO | 47.0 | 44.6 | 46.0 | 90.0 |
| TEMP | 4043.600 | 1506.000 | 1615.200 | 4668.000 |
| TSM | 7.30 | 7.30 | 8.60 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 6.700 | 0.171 | 0.082 | 9.100 |
| NA | 942.400 | 40.994 | 11.136 | 1148.120 |
| NH4 | | 3.200 | 3.500 | 0.090 |
| CA | 314.500 | 154.900 | 7.730 | 245.900 |
| MG | 49.200 | 4.049 | 2.008 | 84.400 |
| FE | 0.055 | 0.002 | - | 0.405 |
| MN | - | - | - | 1.200 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PH | - | - | - | 7.100 |
| AL | - | - | - | - |
| CL | 1633.800 | 46.089 | 9.219 | 2345.600 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | 0.054 | 0.003 |
| S04 | 558.200 | 11.622 | 459.100 | 51.200 |
| S203 | - | - | - | - |
| HC03 | 195.000 | 3.196 | 309.400 | 182.800 |
| C03 | - | - | 0.190 | - |
| ST02 (MG/KG) (MMDL/KG) | | | | |
| HR02 | 44.081 | 0.734 | 72.391 | 156.245 |
| H3P04 | 59.400 | 1.150 | 17.810 | 169.900 |
| HAS02 | - | - | - | 0.102 |
| C02 | - | - | - | - |
| H2S | - | - | - | 49.700 |
| RN (*E-10 CURIE/L) | - | - | - | 4.000 |
| NA/K | 239.193 | 136.044 | 161.698 | 214.553 |
| CA/(HC03+C03) | 4.910 | 1.622 | 1.404 | 4.092 |
| MG/CA | 0.258 | 0.260 | 0.376 | 0.566 |
| NA/CA | 2.612 | 1.441 | 2.030 | 4.070 |
| CL/(HC03+C03) | 14.421 | 1.934 | 1.998 | 22.085 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 75.672 | 40.378 | 40.944 | 94.216 |
| S04*100/(CL+S04+HC03+C03) | 19.081 | 38.746 | 38.569 | 1.518 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.247 | 20.875 | 20.487 | 4.266 |
| (NA+K)*100/(NA+K+CA+MG) | 67.587 | 53.532 | 59.748 | 72.308 |
| CA*100/(NA+K+CA+MG) | 25.766 | 36.886 | 29.249 | 17.683 |
| MG*100/(NA+K+CA+MG) | 6.647 | 9.582 | 11.004 | 10.009 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 94.753 | 79.125 | 79.513 | 95.734 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.247 | 20.875 | 20.487 | 4.266 |
| (NA+K)*100/(NA+K+CA+MG) | 67.587 | 53.532 | 59.748 | 72.308 |
| (CA+MG)*100/(NA+K+CA+MG) | 32.413 | 46.468 | 40.252 | 27.692 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 41 | SYC 42 | SYC 43 | SYC 44 |
|---------------------------------|----------|----------|----------|---------|
| NO | 52.0 | 50.0 | 85.0 | 84.0 |
| TEMP | 1835.500 | 5096.000 | 468.600 | 751.700 |
| TSM | 7.80 | 6.95 | 8.00 | 8.60 |
| PH(TD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| NA | 3.100 | 0.079 | 0.356 | 0.025 |
| K | 508.100 | 22.102 | 1346.900 | 214.100 |
| NH4 | - | - | - | - |
| CA | 93.200 | 4.651 | 15.190 | 1.173 |
| MG | 26.300 | 2.164 | 3.800 | 29.700 |
| FE | 0.120 | 0.004 | 0.069 | 9.500 |
| MN | 0.640 | 0.023 | 0.002 | 0.048 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 468.400 | 13.214 | 2359.900 | 168.500 |
| BR | - | - | 103.900 | 4.753 |
| I | - | - | - | - |
| F | - | - | 1.590 | 2.530 |
| OH | - | - | 0.017 | 0.042 |
| SO4 | 509.300 | 10.604 | 148.100 | 236.900 |
| S2O3 | - | - | - | - |
| HCO3 | 317.100 | 5.197 | 37.860 | 62.100 |
| CO3 | - | - | 0.084 | 0.570 |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| H2O2 | 69.622 | 1.159 | 1.984 | 66.160 |
| H3PO4 | 39.800 | 0.908 | 2.531 | 31.832 |
| HASO2 | - | - | 0.990 | 1.572 |
| CO2 | - | - | 0.424 | 0.283 |
| H2S | - | - | - | 0.003 |
| RN (*E-10 CURIE/L) | - | - | 1.845 | 0.773 |
| NA/K | 274.725 | 164.782 | 237.545 | 291.270 |
| CA/(HCO3+CO3) | 1.895 | 4.702 | 1.884 | 1.429 |
| MG/CA | 0.465 | 0.202 | 0.267 | 0.527 |
| NA/CA | 4.752 | 3.857 | 4.975 | 6.284 |
| CL/(HCO3+CO3) | 2.542 | 20.608 | 4.710 | 4.585 |
| CL/F | - | - | 35.241 | 35.692 |
| CL*100/(CL+S04+HCO3+CO3) | 45.541 | 86.285 | 44.163 | 44.331 |
| S04*100/(CL+S04+HCO3+CO3) | 36.506 | 9.528 | 46.660 | 45.999 |
| (HCO3+CO3)*100/(CL+S04+CO3+CO3) | 17.913 | 4.187 | 9.377 | 9.670 |
| (NA+K)*100/(NA+K+CA+MG) | 76.498 | 76.350 | 79.773 | 80.500 |
| CA*100/(NA+K+CA+MG) | 16.039 | 19.674 | 15.969 | 12.766 |
| MG*100/(NA+K+CA+MG) | 7.464 | 3.976 | 4.258 | 6.734 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 80.087 | 95.813 | 90.623 | 90.330 |
| (HCO3+CO3)*100/(CL+S04+CO3+CO3) | 17.913 | 4.187 | 9.377 | 9.670 |
| (NA+K)*100/(NA+K+CA+MG) | 76.498 | 76.350 | 79.773 | 80.500 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.502 | 23.650 | 20.227 | 19.500 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 45 | | SYC 46 | | SYC 47 | | SYC 48 | |
|----------------------------------|---------|---------|----------|---------|---------|--------|---------|-------|
| NO | 79.0 | 55.0 | 51.0 | 62.0 | | | | |
| TEMP | 750.400 | 977.500 | 1659.500 | 925.300 | | | | |
| TSM | 8.20 | 7.60 | 7.50 | 7.00 | | | | |
| PH(ED) | | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 1.250 | 0.032 | 2.500 | 0.064 | 2.300 | 0.059 | 1.600 | 0.041 |
| NA | 219.700 | 9.557 | 186.900 | 8.130 | 389.900 | 16.961 | 149.600 | 6.508 |
| NH4 | | | | | | | | |
| CA | 30.700 | 1.532 | 61.800 | 3.084 | 92.500 | 4.616 | 85.500 | 4.266 |
| MG | 13.200 | 1.886 | 8.700 | 0.716 | 36.600 | 3.012 | 5.700 | 0.469 |
| FE | 0.018 | 0.001 | | | 0.240 | 0.009 | 0.190 | 0.007 |
| MN | | | | | 1.120 | 0.041 | 0.640 | 0.023 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | | | | | 2.100 | 0.233 | 7.500 | 0.834 |
| CL | 172.100 | 4.855 | 82.500 | 2.327 | 367.400 | 10.364 | 85.000 | 2.398 |
| BP | | | | | | | | |
| I | | | | | | | | |
| F | 2.910 | 0.153 | 0.870 | 0.046 | 0.510 | 0.027 | | |
| OH | 0.022 | 0.001 | | | | | | |
| SO4 | 241.200 | 5.022 | 355.400 | 7.399 | 449.600 | 9.361 | 311.400 | 6.483 |
| SO3 | | | | | | | | |
| HCO3 | 69.300 | 1.136 | 132.900 | 2.178 | 301.600 | 4.943 | 201.100 | 3.296 |
| CO3 | 0.240 | 0.008 | | | | | | |
| STO2 (MG/KG)(MMOL/KG) | | | | | | | | |
| HB02 | 62.544 | 1.041 | 79.623 | 1.326 | 68.468 | 1.140 | 36.080 | 0.601 |
| H3P04 | 3.3091 | 0.983 | 39.900 | 0.911 | 46.400 | 1.059 | 23.200 | 0.529 |
| HAS04 | 1.572 | 0.016 | | 0.011 | | | 0.613 | 0.006 |
| HAS02 | 0.666 | 0.006 | 0.183 | 0.002 | | | | |
| CO2 | | | 35.400 | 0.804 | | | | |
| H2S | 1.886 | 0.055 | 0.970 | 0.028 | | | | |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 298.888 | 127.133 | 19.549 | 289.280 | 159.001 | | | |
| CA/(HC03+CO3) | 1.339 | 1.416 | 62.154 | 0.934 | 1.294 | | | |
| MG/CA | 0.709 | 0.232 | 18.297 | 0.653 | 0.110 | | | |
| NA/CA | 6.239 | 2.836 | 68.319 | 3.675 | 1.525 | | | |
| CL/(HC03+CO3) | 4.244 | 1.068 | 5.969 | 2.097 | 0.727 | | | |
| CL/F | 31.694 | 50.819 | 386.061 | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 44.054 | 19.549 | 42.015 | | | | | |
| SO4*100/(CL+S04+HC03+CO3) | 45.567 | 62.154 | 37.946 | | | | | |
| (FC03+CO3)*100/(CL+S04+CO3+CO3) | 10.379 | 18.297 | 20.039 | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 78.552 | 68.319 | 69.033 | | | | | |
| CA*100/(NA+K+CA+MG) | 12.550 | 25.712 | 1.727 | | | | | |
| MG*100/(NA+K+CA+MG) | 8.898 | 5.969 | 1.220 | | | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 89.621 | 81.703 | 79.961 | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 10.379 | 18.297 | 20.039 | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 78.552 | 68.319 | 69.033 | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 21.448 | 31.681 | 30.947 | | | | | |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| NO | SYC 49 | | SYC 50 | | SYC 51 | | SYC 52 | |
|----------------------------------|----------|---------|----------|-------|----------|--------|----------|--------|
| | 49.0 | 64.0 | 51.0 | 44.0 | 1473.000 | 8.00 | 2519.800 | 7.50 |
| TEMP | 1564.500 | 957.700 | 1473.000 | 8.00 | 2519.800 | 7.50 | | |
| TSM | 7.50 | 7.10 | | | | | | |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 1.000 | 0.026 | 1.800 | 0.046 | 7.800 | 0.200 | 46.900 | 1.200 |
| NA | 325.100 | 14.142 | 209.200 | 9.100 | 361.600 | 15.730 | 647.900 | 28.184 |
| NH4 | | | | | | | | |
| CA | 97.150 | 4.845 | 71.400 | 3.563 | 77.100 | 3.847 | 92.700 | 4.626 |
| MG | 31.400 | 2.584 | 6.800 | 0.560 | 23.500 | 1.934 | 44.100 | 3.629 |
| FE | 0.389 | 0.014 | | | 0.096 | | 0.100 | 0.004 |
| MN | 0.810 | 0.029 | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 10.000 | 1.112 | | | 1.240 | 0.138 | 11.400 | 1.268 |
| CL | 343.600 | 9.693 | 203.800 | 5.749 | 285.800 | 8.062 | 830.700 | 23.434 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | 0.920 | 0.048 | 1.100 | 0.058 |
| OH | | | | | | | | |
| S04 | 419.600 | 8.736 | 314.700 | 6.552 | 427.000 | 8.890 | 574.300 | 11.957 |
| S203 | | | | | | | | |
| HC03 | 301.600 | 4.943 | 59.100 | 0.969 | 296.100 | 4.853 | 207.400 | 3.399 |
| C03 | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | 86.315 | 1.437 | 47.543 | 0.792 | 84.315 | 1.404 | 93.008 | 1.549 |
| HR02 | 29.500 | 0.673 | 23.200 | 0.529 | 22.100 | 0.504 | 44.800 | 1.022 |
| H3PO4 | 0.358 | 9.009 | | | | | 0.357 | 0.004 |
| HAS02 | | | | | 0.383 | 0.004 | 0.305 | 0.003 |
| C02 | | | | | | | | |
| H2S | | | | | | | | |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | 552.848 | | 197.641 | | 78.836 | | 23.482 | |
| CA/(HC03+C03) | 0.980 | | 3.678 | | 0.793 | | 1.361 | |
| MG/CA | 6.533 | | 0.157 | | 0.503 | | 0.785 | |
| NA/CA | 2.919 | | 2.554 | | 4.088 | | 6.093 | |
| CL/(HC03+C03) | 1.961 | | 5.935 | | 1.661 | | 6.894 | |
| CL/F | | | | | 166.480 | | 404.705 | |
| CL*100/(CL+S04+HC03+C03) | 41.472 | | 43.325 | | 36.974 | | 60.412 | |
| S04*100/(CL+S04+HC03+C03) | 37.378 | | 49.375 | | 40.770 | | 30.825 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.150 | | 7.300 | | 22.256 | | 8.763 | |
| (NA+K)*100/(NA+K+CA+MG) | 65.600 | | 68.931 | | 73.372 | | 78.068 | |
| CA*100/(NA+K+CA+MG) | 22.435 | | 26.852 | | 17.721 | | 12.290 | |
| MG*100/(NA+K+CA+MG) | 11.964 | | 4.217 | | 3.907 | | 9.642 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 78.850 | | 92.700 | | 77.744 | | 91.237 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.150 | | 7.300 | | 22.256 | | 8.763 | |
| (NA+K)*100/(NA+K+CA+MG) | 65.600 | | 68.931 | | 73.372 | | 78.068 | |
| (CA+MG)*100/(NA+K+CA+MG) | 34.410 | | 31.069 | | 26.628 | | 21.932 | |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| | SYC 53 | | SYC 54 | | SYC 55 | | SYC 56 | |
|-----------------------------------|---------|----------|----------|-------|----------|--------|----------|---------|
| NO ₃ -TEMP | 65.0 | 49.0 | 46.0 | 89.0 | 85.0 | 84.68 | 500 | |
| TS-S | 963.000 | 871.500 | 4239.000 | 3.40 | 3.40 | | | |
| PH(FD) | 8.80 | 6.70 | 7.00 | - | - | | | |
| PH(19) | - | - | - | - | - | | | |
| 4 (MG/KG) (M ³ /KG) | 23.500 | 0.601 | 30.000 | 0.767 | 58.000 | 1.484 | 0.400 | 0.397 |
| K | 297.960 | 12.959 | 120.000 | 5.220 | 1077.000 | 46.850 | 127.500 | 3.261 |
| NA | - | - | - | - | - | - | 1810.000 | 78.735 |
| NA ₂ | - | - | - | - | - | - | - | - |
| CA | 8.200 | 0.439 | 84.300 | 4.207 | 231.900 | 14.067 | 804.300 | 40.135 |
| MG | 7.000 | 0.576 | 10.300 | 0.848 | 43.000 | 3.538 | 49.000 | 4.032 |
| FF | 0.100 | 0.004 | 0.220 | 0.008 | 0.290 | 0.010 | 7.500 | 0.269 |
| MN | - | - | 1.270 | 0.046 | 0.830 | 0.030 | 2.610 | 0.095 |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | 7.000 | 0.778 | 1.940 | 0.216 | 4.000 | 0.445 | 147.700 | 16.423 |
| Cl | 226.000 | 6.375 | 163.300 | 4.607 | 1817.600 | 51.274 | 4402.000 | 124.180 |
| BP | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 2.300 | 0.121 | 0.030 | 0.004 | 0.840 | 0.044 | 0.300 | 0.016 |
| OH | 0.110 | 0.006 | - | - | - | - | - | - |
| SO ₄ | 328.700 | 6.944 | 179.700 | 3.741 | 568.100 | 11.828 | 936.799 | 19.504 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 70.900 | 1.162 | 179.800 | 2.947 | 195.200 | 3.199 | - | - |
| C03 | 2.300 | 0.077 | - | - | - | - | - | - |
| SI02 (MG/KG) (M ³ /KG) | 48.004 | 0.799 | 81.936 | 1.364 | 112.472 | 1.873 | 94.239 | 1.569 |
| HP02 | 31.423 | 0.717 | 75.400 | 1.675 | 111.300 | 2.540 | 321.700 | 7.341 |
| H3P04 | 0.674 | 0.007 | 0.357 | 0.004 | 2.450 | 0.025 | 0.664 | 0.007 |
| HAS0P | 0.897 | 0.008 | 0.060 | 0.001 | 0.732 | 0.007 | 3.214 | 0.030 |
| C02 | - | - | - | - | - | - | 221.100 | 5.023 |
| H2S | - | - | 8.700 | 0.255 | - | - | 1.830 | 0.054 |
| RN (M ³ -10 CUP/E/L) | - | - | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| NA/X | 21.557 | 6.802 | - | - | - | - | - | - |
| CA/(HC03+C03) | 0.354 | 1.427 | - | - | - | - | 24.141 | - |
| MG/CA | 1.312 | 0.201 | - | - | - | - | 0.100 | - |
| NA/CA | 29.510 | 1.241 | - | - | - | - | 1.962 | - |
| CL/(HC03+C03) | 5.147 | 1.563 | - | - | - | - | - | - |
| CL/F | 52.658 | 1093.915 | - | - | - | - | 7863.502 | - |
| CL*100/(CL+S04+HC03+C03) | 44.097 | 40.785 | - | - | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | 47.335 | 33.124 | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.568 | 26.091 | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 93.035 | 54.226 | - | - | - | - | 64.992 | - |
| CA*100/(NA+K+CA+MG) | 3.013 | 38.098 | - | - | - | - | 31.812 | - |
| MG*100/(NA+K+CA+MG) | 3.952 | 7.676 | - | - | - | - | 3.196 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 91.432 | 73.909 | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.568 | 26.091 | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 93.035 | 54.226 | - | - | - | - | 64.992 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 6.965 | 45.774 | - | - | - | - | 35.008 | - |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 57 | SYC 58 | SYC 59 | SYC 60 |
|----------------------------------|----------|---------|---------|-----------|
| NO | | 68.0 | 48.0 | 19.0 |
| TEMP | | 797.500 | 330.000 | 30840.000 |
| TSM | 1538.500 | 7.02 | 7.40 | 2.20 |
| PH(FD) | 7.30 | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 24.500 | 0.860 | 0.952 | 6.300 |
| NA | 389.600 | 6.950 | 0.178 | 0.074 |
| NH4 | | 37.800 | 1.644 | 2.545 |
| CA | 82.500 | 4.117 | 4.097 | 1.372 |
| MG | 22.000 | 1.810 | 0.823 | 0.255 |
| FE | 0.140 | 0.005 | 0.283 | 0.016 |
| MN | 1.130 | 0.043 | 0.032 | 0.070 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 1.200 | 0.133 | 1.134 | 0.389 |
| CL | 338.900 | 9.560 | 1.760 | 1.667 |
| BR | | | | |
| I | | | | |
| F | 0.760 | 0.040 | 0.016 | 0.029 |
| OH | | | | |
| S04 | 445.300 | 9.292 | 8.304 | 1.849 |
| S203 | | | | |
| HC03 | 291.800 | 4.783 | 67.100 | 1.100 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| H02 | 70.776 | 1.178 | 1.915 | 0.813 |
| H304 | 20.600 | 0.470 | 0.726 | 0.310 |
| HAS02 | 0.919 | 0.009 | 0.001 | 0.002 |
| C02 | 0.253 | 0.002 | 0.000 | 0.004 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | 1.000 | 1.000 | 1.000 | 1.000 |
| NA/K | 07.042 | 9.249 | 34.304 | 71.801 |
| CA/(HC03+C03) | 0.861 | | 1.248 | |
| MG/CA | 0.440 | 0.201 | 0.186 | 0.196 |
| NA/CA | 4.117 | 0.401 | 1.854 | 0.341 |
| CL/(HC03+C03) | 1.989 | | 1.516 | |
| CL/F | 238.971 | 111.468 | 57.585 | 41.961 |
| CL*100/(CL+S04+HC03+C03) | 40.450 | | 36.120 | |
| S04*100/(CL+S04+HC03+C03) | 39.315 | | 40.054 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.235 | | 23.826 | |
| (NA+K)*100/(NA+K+CA+MG) | 74.780 | 27.027 | 61.676 | 22.424 |
| CA*100/(NA+K+CA+MG) | 17.517 | 60.767 | 32.317 | 64.860 |
| MG*100/(NA+K+CA+MG) | 7.703 | 12.206 | 6.008 | 12.716 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 79.765 | | 76.174 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.235 | | 23.826 | |
| (NA+K)*100/(NA+K+CA+MG) | 74.780 | 27.027 | 61.676 | 22.424 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.220 | 72.973 | 38.324 | 77.576 |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| | NO | TEMP | TSM | PH(FD) | PH(LB) | SYC 61 | SYC 62 | SYC 63 | SYC 64 |
|----------------------------------|--------|---------|----------|--------|---------|--------|---------|--------|---------|
| | 32.0 | 201.000 | 1338.500 | 6.40 | — | 96.0 | 41.0 | 72.0 | 748.000 |
| | — | — | — | — | — | — | — | — | 8.20 |
| H (MG/KG) (MYAL/KG) | — | — | — | — | — | — | — | — | — |
| K | 2.000 | 0.051 | 20.800 | 0.532 | 23.000 | 0.588 | 6.000 | 0.153 | — |
| NA | 30.100 | 1.309 | 236.000 | 10.266 | 180.000 | 7.830 | 191.700 | 8.339 | — |
| NP4 | — | — | — | — | — | — | — | — | — |
| CA | 14.900 | 0.744 | 5.710 | 0.285 | 78.600 | 3.922 | 28.900 | 1.442 | — |
| MG | 5.100 | 0.423 | 6.120 | 0.504 | 28.600 | 2.353 | 4.900 | 0.403 | — |
| FE | 0.917 | 0.033 | 0.510 | 0.018 | 0.920 | 0.033 | 0.370 | 0.020 | — |
| MN | 0.055 | 0.002 | — | — | 1.200 | 0.046 | — | — | — |
| ZN | — | — | — | — | — | 0.037 | — | — | — |
| CU | — | — | — | — | — | 0.017 | — | — | — |
| PR | — | — | — | — | — | — | — | — | — |
| AL | 3.150 | 0.550 | 4.660 | 0.518 | 16.500 | 1.835 | 2.900 | 0.322 | — |
| CL | 10.700 | 0.302 | 49.700 | 1.402 | 178.000 | 5.021 | 142.600 | 4.023 | — |
| BR | — | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — | — |
| F | 0.150 | 0.008 | 0.460 | 0.024 | 1.150 | 0.061 | 1.920 | 0.101 | — |
| OH | — | — | 0.042 | 0.002 | — | — | — | — | — |
| S04 | 52.600 | 1.095 | 217.800 | 4.535 | 349.000 | 7.266 | 260.000 | 5.413 | — |
| S203 | — | — | — | — | — | — | — | — | — |
| HCO3 | 91.500 | 1.500 | 352.000 | 5.769 | 253.000 | 4.147 | 67.700 | 1.110 | — |
| CO3 | — | — | — | — | — | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 34.003 | 0.566 | 373.111 | 6.212 | 83.084 | 1.383 | 71.930 | 1.198 | — |
| HR02 | 13.500 | 0.398 | 179.100 | 4.087 | 22.400 | 0.511 | 18.100 | 0.413 | — |
| H3P04 | — | — | 3.318 | 0.034 | 4.952 | 0.051 | — | — | — |
| HAS02 | 0.008 | 0.000 | 0.395 | 0.004 | 0.092 | 0.001 | 1.402 | 0.013 | — |
| CO2 | 10.800 | 0.700 | — | — | 67.200 | 1.527 | — | — | — |
| H2S | 0.850 | 0.025 | 10.099 | 0.296 | 0.510 | 0.015 | 1.360 | 0.040 | — |
| RN (*E-10 CURIE/L) | — | 1.000 | — | — | — | 1.000 | — | 1.000 | — |
| NA/K | 25.593 | 19.295 | 13.309 | 54.332 | — | — | — | — | — |
| CA/(HC03+CO3) | 0.496 | 0.946 | 0.300 | 1.300 | — | — | — | — | — |
| MG/CA | 0.569 | 1.768 | 0.600 | 0.280 | — | — | — | — | — |
| NA/CA | 1.761 | 36.030 | 1.996 | 5.782 | — | — | — | — | — |
| CL/(HC03+CO3) | 0.201 | 0.243 | 1.211 | 3.625 | — | — | — | — | — |
| CL/F | 38.228 | 57.901 | 82.949 | 39.802 | — | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 10.421 | 11.977 | 30.554 | 38.146 | — | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | 37.807 | 38.738 | 44.214 | 51.332 | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 51.773 | 49.285 | 25.232 | 10.522 | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 53.839 | 93.194 | 57.291 | 82.150 | — | — | — | — | — |
| CA*100/(NA+K+CA+MG) | 29.423 | 2.459 | 26.692 | 13.950 | — | — | — | — | — |
| MG*100/(NA+K+CA+MG) | 16.738 | 4.347 | 16.017 | 3.900 | — | — | — | — | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 48.227 | 50.715 | 74.768 | 89.478 | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 51.773 | 49.285 | 25.232 | 10.522 | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 53.839 | 93.194 | 57.291 | 82.150 | — | — | — | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | 46.161 | 6.806 | 42.709 | 17.850 | — | — | — | — | — |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| NO | SYC 65 | | SYC 66 | | SYC 67 | | SYC 68 | |
|----------------------------------|----------|----------|----------|---------|----------|----------|----------|----------|
| | TEMP | 45.0 | 49.0 | 85.0 | 50.0 | 85.0 | 50.0 | 50.0 |
| TSM | 4545.000 | 3913.000 | 677.500 | 677.500 | 4185.000 | 4185.000 | 4185.000 | 4185.000 |
| PH(FD) | 6.30 | 6.30 | 7.40 | 7.40 | 6.50 | 6.50 | 6.50 | 6.50 |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KC) (MIAL/KG) | - | - | - | - | - | - | - | - |
| K | 52.500 | 1.343 | 62.000 | 1.739 | 5.950 | 0.152 | 56.000 | 1.432 |
| NA | 1195.000 | 51.933 | 1067.000 | 46.415 | 162.000 | 7.047 | 1268.000 | 55.158 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 233.700 | 14.656 | 180.300 | 9.022 | 37.500 | 1.871 | 151.100 | 7.540 |
| MG | 37.100 | 3.053 | 26.200 | 2.156 | 5.600 | 0.467 | 20.400 | 1.679 |
| FE | 0.400 | 0.015 | 0.120 | 0.004 | 0.250 | 0.009 | 0.300 | 0.011 |
| MN | 1.670 | 0.061 | 1.430 | 0.054 | 0.240 | 0.009 | 1.260 | 0.046 |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | 3.110 | 0.346 | 1.240 | 0.138 | 4.570 | 0.568 | 2.100 | 0.233 |
| CL | 1934.700 | 50.578 | 1443.000 | 40.848 | 145.500 | 4.105 | 1809.000 | 51.032 |
| BR | - | - | - | - | - | - | - | - |
| I | 1.700 | 0.037 | 1.400 | 0.074 | 1.900 | 0.100 | 0.640 | 0.034 |
| F | - | - | - | - | - | - | - | - |
| OH | 560.300 | 12.290 | 736.800 | 15.340 | 234.500 | 4.882 | 568.100 | 11.828 |
| S04 | - | - | - | - | - | - | - | - |
| S203 | 279.500 | 4.581 | 201.300 | 3.299 | 54.900 | 0.900 | 183.300 | 3.004 |
| HC03 | - | - | - | - | - | - | - | - |
| C03 | - | - | - | - | - | - | - | - |
| S102 (MG/KG) (MMOL/KG) | 11.471 | 1.689 | 163.476 | 2.722 | 72.006 | 1.199 | 93.470 | 1.556 |
| HB02 | 61.900 | 2.097 | 71.700 | 1.636 | 24.600 | 0.861 | 89.700 | 2.047 |
| H3P04 | 1.317 | 0.008 | 0.868 | 0.009 | 1.378 | 0.014 | 1.889 | 0.019 |
| HAS02 | 0.845 | 0.008 | 0.618 | 0.006 | 0.958 | 0.009 | 0.523 | 0.005 |
| C02 | 25.400 | 0.600 | 17.600 | 0.400 | - | - | 22.000 | 0.500 |
| H2S | 1.000 | 0.029 | 0.400 | 0.012 | 1.200 | 0.035 | 1.190 | 0.035 |
| RN (*F=10 CURIE/L) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| NA/K | 73.703 | 26.684 | 46.301 | 46.301 | 38.505 | 38.505 | 38.505 | 38.505 |
| CA/(HC03+C03) | 3.199 | 2.734 | 2.080 | 2.080 | 2.510 | 2.510 | 2.510 | 2.510 |
| MG/CA | 0.208 | 0.239 | 0.850 | 0.850 | 0.223 | 0.223 | 0.223 | 0.223 |
| NA/CA | 3.597 | 5.145 | 3.766 | 3.766 | 7.315 | 7.315 | 7.315 | 7.315 |
| CL/(HC03+C03) | 11.914 | 12.381 | 4.862 | 4.862 | 16.986 | 16.986 | 16.986 | 16.986 |
| CL/F | 14.3163 | 554.278 | 41.039 | 41.039 | 1514.767 | 1514.767 | 1514.767 | 1514.767 |
| CL*100/(CL+S04+HC03+C03) | 76.307 | 68.667 | 41.516 | 41.516 | 77.481 | 77.481 | 77.481 | 77.481 |
| S04*100/(CL+S04+HC03+C03) | 17.201 | 25.787 | 49.383 | 49.383 | 17.958 | 17.958 | 17.958 | 17.958 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.412 | 5.546 | 9.101 | 9.101 | 4.561 | 4.561 | 4.561 | 4.561 |
| (NA+K)*100/(NA++CA+MG) | 75.070 | 81.160 | 75.480 | 75.480 | 85.992 | 85.992 | 85.992 | 85.992 |
| CA*100/(NA++CA+MG) | 20.632 | 15.206 | 19.619 | 19.619 | 11.457 | 11.457 | 11.457 | 11.457 |
| MG*100/(NA++CA+MG) | 4.298 | 3.634 | 4.901 | 4.901 | 2.551 | 2.551 | 2.551 | 2.551 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.548 | 94.454 | 90.899 | 90.899 | 95.439 | 95.439 | 95.439 | 95.439 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.412 | 5.546 | 9.101 | 9.101 | 4.561 | 4.561 | 4.561 | 4.561 |
| (NA+K)*100/(NA++CA+MG) | 75.070 | 81.160 | 75.480 | 75.480 | 85.992 | 85.992 | 85.992 | 85.992 |
| (CA+MG)*100/(NA++CA+MG) | 20.632 | 15.206 | 19.619 | 19.619 | 11.457 | 11.457 | 11.457 | 11.457 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.548 | 94.454 | 90.899 | 90.899 | 95.439 | 95.439 | 95.439 | 95.439 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.412 | 5.546 | 9.101 | 9.101 | 4.561 | 4.561 | 4.561 | 4.561 |
| (NA+K)*100/(NA++CA+MG) | 75.070 | 81.160 | 75.480 | 75.480 | 85.992 | 85.992 | 85.992 | 85.992 |
| (CA+MG)*100/(NA++CA+MG) | 20.632 | 15.206 | 19.619 | 19.619 | 11.457 | 11.457 | 11.457 | 11.457 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC 69 | SYC 70 | SYC 71 | SYC 72 |
|----------------------------------|---------|----------|----------|----------|
| TEMP | 81.0 | | 90.0 | 85.0 |
| TSM | 535.000 | 1540.000 | 1618.000 | 1705.000 |
| PH(FD) | 4.80 | 7.30 | 5.90 | 2.30 |
| PH(LR) | | | | |
| H (MG/KG)(MHAL/KG) | | | | |
| K | 12.300 | 23.000 | 32.500 | 0.831 |
| NA | 33.000 | 349.000 | 260.000 | 11.310 |
| NH4 | | | | |
| CA | 14.200 | 89.300 | 114.000 | 5.689 |
| MG | 5.800 | 10.500 | 5.020 | 0.413 |
| FE | 0.450 | 0.080 | 0.215 | 0.008 |
| MN | 0.450 | 1.200 | 0.670 | 0.024 |
| ZN | 0.060 | 0.180 | | 0.022 |
| CU | | | 0.003 | 0.000 |
| PR | 0.017 | | 0.014 | 0.000 |
| AL | 6.500 | 2.000 | 4.860 | 0.019 |
| CL | 172.200 | 323.600 | 145.500 | 4.105 |
| BR | | | | |
| I | | | | |
| F | 0.590 | 1.280 | 0.310 | 0.016 |
| OH | | | | |
| S04 | 46.000 | 406.500 | 657.400 | 13.687 |
| S203 | | | | |
| HC03 | 06.700 | 225.700 | 57.900 | 0.949 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 55.774 | 90.624 | 238.021 | 3.963 |
| H3PO4 | 71.300 | 35.600 | 49.200 | 1.123 |
| HAS02 | 0.868 | 1.225 | 0.459 | 0.005 |
| C02 | 0.620 | 0.305 | 0.023 | 0.024 |
| H2S | 155.500 | | 57.900 | 1.315 |
| | 35.500 | | 11.200 | 0.329 |
| RN (*F-10 CURIE/L) | 1.000 | 1.000 | 1.000 | 1.000 |
| NA/K | 12.858 | 25.804 | 13.604 | 12.754 |
| CA/(HC03+C03) | 1.619 | 1.205 | 5.994 | |
| MG/CA | 0.674 | 0.194 | 0.073 | 0.111 |
| NA/CA | 5.709 | 3.407 | 1.988 | 2.943 |
| CL/(HC03+C03) | 11.101 | 2.468 | 4.325 | |
| CL/F | 156.411 | 135.483 | 249.917 | 439.029 |
| CL*100/(CL+S04+HC03+C03) | 77.696 | 42.876 | 21.902 | |
| SO4*100/(CL+S04+HC03+C03) | 15.316 | 39.750 | 73.034 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.998 | 17.374 | 5.064 | |
| (NA+K)*100/(NA+K+CA+MG) | 78.618 | 74.774 | 66.553 | 74.062 |
| CA*100/(NA+K+CA+MG) | 10.776 | 21.129 | 31.182 | 23.339 |
| MG*100/(NA+K+CA+MG) | 8.606 | 4.097 | 2.264 | 2.598 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.002 | 82.626 | 94.936 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.998 | 17.374 | 5.064 | |
| (NA+K)*100/(NA+K+CA+MG) | 78.618 | 74.774 | 66.553 | 74.062 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.382 | 25.226 | 33.447 | 25.938 |

第2-2表 支笏・洞靠地域水質一覽表 (つづき)

| NO | SVC 73 | | SYC 74 | | SYC 75 | | SYC 76 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 45.0 | 53.0 | 48.0 | 53.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| TFMP | 1325.000 | 1312.000 | 1312.000 | 2271.000 | 2271.000 | 3136.000 | 3136.000 | 3136.000 |
| TSM | 7.40 | 7.10 | 7.10 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 |
| PH(PD) | - | - | - | - | - | - | - | - |
| PH(LR) | - | - | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | 23.700 | 11.606 | 21.500 | 45.000 | 45.000 | 30.000 | 30.000 | 0.767 |
| K | 350.000 | 15.325 | 310.000 | 13.485 | 13.485 | 750.000 | 750.000 | 32.625 |
| NA | - | - | - | - | - | - | - | - |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 66.800 | 3.333 | 75.400 | 3.762 | 3.762 | 207.200 | 207.200 | 10.339 |
| MG | 15.500 | 1.275 | 22.500 | 1.852 | 1.852 | 40.300 | 40.300 | 3.316 |
| FE | 0.180 | 0.006 | 0.300 | 0.011 | 0.011 | 0.250 | 0.250 | 0.009 |
| MN | - | - | 0.537 | 0.023 | 0.023 | - | - | - |
| ZN | 0.035 | 0.001 | 0.048 | 0.001 | 0.001 | 0.020 | 0.020 | 0.001 |
| CU | 0.015 | 0.000 | 0.026 | 0.001 | 0.001 | 0.090 | 0.090 | 0.003 |
| PR | - | - | - | 0.011 | 0.011 | 0.040 | 0.040 | 0.000 |
| AL | 3.570 | 0.397 | 2.150 | 0.239 | 0.239 | 4.570 | 4.570 | 0.508 |
| CL | 201.100 | 8.212 | 227.200 | 6.409 | 6.409 | 1136.000 | 1136.000 | 32.047 |
| BR | - | - | - | - | - | - | - | - |
| I | 0.930 | 0.049 | 0.655 | 0.034 | 0.034 | 0.808 | 0.808 | 0.043 |
| OH | - | - | - | - | - | - | - | - |
| S04 | 400.000 | 8.011 | 406.800 | 8.470 | 8.470 | 546.300 | 546.300 | 11.374 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 230.600 | 4.599 | 366.000 | 5.999 | 5.999 | 237.900 | 237.900 | 3.899 |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 7.469 | 1.456 | 71.468 | 1.190 | 1.190 | 134.474 | 134.474 | 2.239 |
| HR02 | 22.400 | 0.511 | 28.100 | 0.664 | 0.664 | 58.200 | 58.200 | 1.328 |
| H3PO4 | 0.511 | 0.005 | 0.562 | 0.006 | 0.006 | 0.664 | 0.664 | 0.007 |
| HAS02 | 0.270 | 0.003 | 0.098 | 0.001 | 0.001 | 0.374 | 0.374 | 0.003 |
| CO2 | 30.830 | 0.700 | 4.400 | 0.100 | 0.100 | 13.200 | 13.200 | 0.300 |
| H2S | 0.390 | 0.011 | 0.300 | 0.009 | 0.009 | 0.510 | 0.510 | 0.015 |
| RN (*E-10 CURIE/L) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | - | - | - |
| NA/K | 25.114 | 25.716 | 25.716 | 19.462 | 19.462 | 42.514 | 42.514 | 2.652 |
| CA/(HC03+CO3) | 0.725 | 0.627 | 0.627 | 0.670 | 0.670 | 0.321 | 0.321 | 3.155 |
| MG/CA | 0.333 | 0.492 | 0.492 | 3.890 | 3.890 | 8.219 | 8.219 | 753.450 |
| NA/CA | 4.568 | 3.584 | 3.584 | 2.329 | 2.329 | 67.723 | 67.723 | 24.036 |
| CL/(HC03+CO3) | 1.736 | 1.068 | 1.068 | 396.346 | 396.346 | 24.036 | 24.036 | 8.240 |
| CL/F | 167.744 | 185.889 | 185.889 | 70.975 | 70.975 | 21.976 | 21.976 | 7.049 |
| CL*100/(CL+S04+HC03+CO3) | 38.695 | 30.699 | 30.699 | 65.208 | 65.208 | 91.760 | 91.760 | 8.240 |
| S04*100/(CL+S04+HC03+CO3) | 38.634 | 40.568 | 40.568 | 6.799 | 6.799 | 70.975 | 70.975 | 21.976 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 21.671 | 28.733 | 28.733 | 27.993 | 27.993 | 7.049 | 7.049 | 29.025 |
| (NA+K)*100/(NA+K+CA+MG) | 77.452 | 71.391 | 71.391 | 76.942 | 76.942 | 70.975 | 70.975 | 21.976 |
| CA*100/(NA+K+CA+MG) | 16.308 | 19.173 | 19.173 | 18.811 | 18.811 | 21.976 | 21.976 | 7.049 |
| MG*100/(NA+K+CA+MG) | 6.240 | 9.435 | 9.435 | 4.247 | 4.247 | 7.049 | 7.049 | 29.025 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 78.329 | 71.267 | 71.267 | 72.007 | 72.007 | 91.760 | 91.760 | 8.240 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 21.671 | 28.733 | 28.733 | 27.993 | 27.993 | 7.049 | 7.049 | 29.025 |
| (NA+K)*100/(NA+K+CA+MG) | 77.452 | 71.391 | 71.391 | 76.942 | 76.942 | 70.975 | 70.975 | 21.976 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.548 | 28.609 | 28.609 | 23.058 | 23.058 | 7.049 | 7.049 | 29.025 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 77 | | SYC 78 | | SYC 79 | | SYC 80 | |
|----------------------------------|---------|---------|---------|-------|---------|--------|----------|---------|
| NO | 39.5 | 35.0 | 15.570 | 0.396 | 16.500 | 0.422 | 94.000 | 2.405 |
| TEMP | 631.000 | 703.000 | 185.000 | 8.048 | 438.000 | 19.053 | 2640.000 | 114.840 |
| TSM | 6.80 | 8.00 | | | | | | |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 12.000 | 0.307 | | | | | | |
| NA | 120.000 | 5.220 | | | | | | |
| NH4 | | | | | | | | |
| CA | 49.600 | 2.475 | 51.810 | 2.585 | 95.700 | 4.775 | 334.000 | 16.667 |
| MG | 5.460 | 0.449 | TR. | | 34.500 | 2.839 | 7.400 | 0.609 |
| FF | 0.390 | 0.014 | 0.320 | 0.011 | 0.912 | 0.033 | 0.967 | 0.035 |
| MN | 0.320 | 0.012 | | | TR. | | 2.300 | 0.084 |
| ZN | 0.030 | 0.001 | | | | | 0.105 | 0.003 |
| CU | 0.025 | 0.001 | | | | | 0.050 | 0.002 |
| PB | | | | | | | | |
| AL | 3.940 | 0.438 | 12.900 | 1.434 | 6.450 | 0.717 | 1.380 | 0.153 |
| CL | 56.800 | 1.602 | 220.100 | 6.209 | 166.800 | 4.705 | 4261.100 | 120.206 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.640 | 0.034 | 1.320 | 0.069 | 0.512 | 0.027 | 0.900 | 0.047 |
| OH | | | 0.017 | 0.001 | | | | |
| S04 | 128.000 | 3.914 | 205.200 | 4.272 | 743.800 | 15.486 | 449.000 | 9.348 |
| S203 | | | | | | | | |
| HC03 | 201.500 | 3.299 | 61.000 | 1.000 | 469.700 | 7.698 | 317.200 | 5.199 |
| C03 | | | 0.350 | 0.012 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 116.010 | 1.232 | 59.505 | 0.991 | 52.466 | 0.874 | 190.479 | 3.171 |
| HB02 | 35.800 | 0.817 | 20.160 | 0.460 | 29.100 | 0.664 | 194.800 | 4.445 |
| H3PO4 | 0.919 | 0.009 | 0.046 | 0.000 | 0.459 | 0.005 | 3.186 | 0.033 |
| HAS02 | 0.923 | 0.009 | 0.010 | 0.000 | 0.222 | 0.002 | 3.571 | 0.033 |
| C02 | 30.800 | 0.700 | | | 44.000 | 1.000 | 61.600 | 1.400 |
| H2S | 0.850 | 0.025 | 1.370 | 0.038 | 1.200 | 0.035 | 1.870 | 0.055 |
| RN (*I=10 CURIE/L) | | | | | | | | |
| NA/K | 17.005 | 20.297 | | | 45.142 | | 47.760 | |
| CA/(HC03+C03) | 0.750 | 2.556 | | | 0.620 | | 3.206 | |
| MG/CA | 0.182 | | | | 0.595 | | 0.037 | |
| NA/CA | 2.109 | 3.113 | | | 3.990 | | 6.890 | |
| CL/(HC03+C03) | 0.486 | 6.139 | | | 0.611 | | 23.121 | |
| CL/F | 47.562 | 89.358 | | | 174.588 | | 2537.268 | |
| CL*100/(CL+S04+HC03+C03) | 18.176 | 54.026 | | | 16.872 | | 89.205 | |
| S04*100/(CL+S04+HC03+C03) | 44.399 | 37.174 | | | 55.526 | | 6.937 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 37.425 | 8.801 | | | 27.603 | | 3.858 | |
| (NA+K)*100/(NA+K+CA+MG) | 65.398 | | | | 71.892 | | 87.158 | |
| CA*100/(NA+K+CA+MG) | 29.286 | | | | 17.628 | | 12.390 | |
| MG*100/(NA+K+CA+MG) | 5.316 | | | | 10.480 | | 0.453 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 62.575 | 91.159 | | | 72.397 | | 96.142 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 37.425 | 8.801 | | | 27.603 | | 3.858 | |
| (NA+K)*100/(NA+K+CA+MG) | 65.398 | | | | 71.892 | | 87.158 | |
| (CA+MG)*100/(NA+K+CA+MG) | 34.602 | | | | 28.108 | | 12.842 | |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| | SYC 81 | SYC 82 | SYC 83 | SYC 84 |
|----------------------------------|-----------|---------|----------|---------|
| NO | 12.0 | 50.0 | 8.0 | 66.0 |
| TSM | 16748.000 | 746.000 | 1030.000 | 912.000 |
| PH(FD) | 3.40 | 7.00 | 2.60 | 7.20 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 0.400 | 0.397 | 2.530 | - |
| K | 6.000 | 0.153 | - | 4.500 |
| NA | 150.000 | 6.525 | 8.800 | 8.352 |
| NH4 | - | - | - | - |
| CA | 40.700 | 2.031 | 7.800 | 4.386 |
| MG | 31.600 | 2.600 | 9.900 | 0.173 |
| FE | 3160.000 | 113.160 | 226.800 | 0.005 |
| MN | 3.550 | 0.129 | 0.460 | - |
| ZN | 0.528 | 0.016 | 0.475 | 0.014 |
| CU | 0.368 | 0.012 | 0.160 | 0.000 |
| PR | 0.040 | 0.000 | - | 0.000 |
| AL | 685.000 | 76.165 | 65.700 | 0.545 |
| CL | 85.200 | 2.403 | 23.000 | 200.500 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 2.760 | 0.145 | 4.250 | 0.135 |
| OH | - | - | - | - |
| S04 | 9597.947 | 199.829 | 931.005 | 291.200 |
| S2O3 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 80.007 | 1.332 | 73.007 | 1.216 |
| HR02 | - | - | 56.000 | 45.004 |
| H3PO4 | 0.121 | 0.001 | 0.163 | 1.123 |
| HASO2 | 1.477 | 0.014 | 0.006 | 0.766 |
| C02 | 792.000 | 17.994 | 34.000 | 1.376 |
| H2S | 0.340 | 0.010 | 0.330 | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 42.514 | 26.281 | - | 72.557 |
| CA/(HC03+C03) | 1.280 | 0.429 | 2.093 | 0.039 |
| MG/CA | 3.213 | 3.215 | 0.984 | 1.904 |
| NA/CA | - | 0.339 | - | 3.536 |
| CL/(HC03+C03) | 16.543 | 22.747 | 2.900 | 41.972 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | 19.027 | - | 42.468 |
| S04*100/(CL+S04+HC03+C03) | - | 24.849 | - | 45.521 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 56.124 | - | 12.011 |
| (NA+K)*100/(NA+K+CA+MG) | 59.051 | 70.013 | - | 65.001 |
| CA*100/(NA+K+CA+MG) | 17.957 | 20.881 | - | 33.672 |
| MG*100/(NA+K+CA+MG) | 22.992 | 9.006 | - | 1.327 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 43.876 | - | 87.989 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 56.124 | - | 12.011 |
| (NA+K)*100/(NA+K+CA+MG) | 59.051 | 70.013 | - | 65.001 |
| (CA+MG)*100/(NA+K+CA+MG) | 40.949 | 29.987 | - | 34.999 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 85 | | SYC 86 | | SYC 87 | | SYC 88 | |
|----------------------------------|-----------|-----------|---------|---------|---------|---------|---------|---------|
| NO | 47.0 | 39.5 | 17.000 | 0.435 | 17.000 | 0.435 | 34.100 | 0.872 |
| TEMP | 816.0(10) | 362.0(10) | 401.000 | 17.444 | 401.000 | 17.444 | 374.000 | 16.269 |
| TSM | 6.61 | 7.20 | - | - | - | - | - | - |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/%G) | | | | | | | | |
| K | 5.300 | 9.136 | 3.600 | 0.092 | 17.000 | 0.435 | 34.100 | 0.872 |
| NA | 116.500 | 41.633 | 77.500 | 3.371 | 401.000 | 17.444 | 374.000 | 16.269 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 53.950 | 2.690 | 21.400 | 1.068 | 129.300 | 6.452 | 104.000 | 5.190 |
| MC | 11.300 | 0.930 | 1.400 | 0.115 | 17.500 | 1.440 | 26.400 | 2.172 |
| FE | 2.000 | 0.1072 | 0.300 | 0.012 | 1.900 | 0.068 | 0.200 | 0.007 |
| MN | 2.260 | 0.082 | 0.047 | 0.002 | 0.300 | 0.011 | 0.810 | 0.029 |
| ZN | 9.234 | 0.1007 | 0.029 | 0.001 | 0.048 | 0.001 | 0.038 | 0.001 |
| CU | 9.014 | 0.001 | 0.020 | 0.001 | 0.020 | 0.001 | 0.020 | 0.001 |
| PB | - | - | - | - | - | - | - | - |
| AL | 1.590 | 0.167 | 8.100 | 0.901 | 6.700 | 0.745 | 11.800 | 1.312 |
| CL | 84.700 | 2.502 | 26.600 | 0.750 | 152.600 | 4.305 | 369.300 | 10.418 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 9.010 | 0.001 | 0.400 | 0.021 | 1.040 | 0.055 | 0.960 | 0.051 |
| SO4 | 129.300 | 2.692 | 94.200 | 1.961 | 524.100 | 10.912 | 470.500 | 9.796 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 213.400 | 5.494 | 170.800 | 2.799 | 689.300 | 11.298 | 341.400 | 5.596 |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 93.009 | 1.632 | 48.466 | 0.807 | 120.472 | 2.006 | 85.931 | 1.431 |
| HR02 | 17.900 | 0.408 | 8.900 | 0.203 | 26.800 | 0.612 | 24.600 | 0.561 |
| H3PO4 | 0.470 | 0.005 | 0.786 | 0.008 | 0.235 | 0.002 | 0.306 | 0.003 |
| HAS02 | 0.019 | 0.000 | 0.627 | 0.006 | 0.270 | 0.003 | 0.322 | 0.003 |
| C02 | 176.000 | 3.999 | 17.800 | 0.400 | 134.200 | 3.049 | 30.800 | 0.700 |
| H2S | 2.000 | 0.060 | 1.360 | 0.040 | 1.020 | 0.030 | 1.530 | 0.045 |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 34.171 | 36.609 | 40.113 | 18.651 | 40.113 | 18.651 | 18.651 | 18.651 |
| CA/(HC03+C03) | 0.769 | 0.381 | 0.571 | 0.927 | 0.571 | 0.927 | 0.571 | 0.927 |
| MG/CA | 0.306 | 0.108 | 0.223 | 0.419 | 0.223 | 0.419 | 0.223 | 0.419 |
| NA/CA | 1.732 | 3.157 | 2.704 | 3.135 | 2.704 | 3.135 | 2.704 | 3.135 |
| CL/(HC03+C03) | 3.715 | 0.268 | 0.581 | 1.862 | 0.581 | 1.862 | 0.581 | 1.862 |
| CL/F | 4753.471 | 35.638 | 78.634 | 206.156 | 78.634 | 206.156 | 78.634 | 206.156 |
| CL*100/(CL+FO4+HC03+C03) | 28.788 | 13.616 | 16.236 | 40.365 | 16.236 | 40.365 | 16.236 | 40.365 |
| SO4*100/(CL+SO4+HC03+C03) | 30.972 | 35.588 | 41.154 | 37.955 | 41.154 | 37.955 | 41.154 | 37.955 |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 40.240 | 50.796 | 42.610 | 21.680 | 42.610 | 21.680 | 21.680 | 21.680 |
| (NA+K)*100/(NA+K+CA+MG) | 56.848 | 74.538 | 69.375 | 69.955 | 69.375 | 69.955 | 69.375 | 69.955 |
| CA*100/(NA+K+CA+MG) | 31.066 | 22.983 | 25.037 | 21.179 | 25.037 | 21.179 | 25.037 | 21.179 |
| MG*100/(NA+K+CA+MG) | 11.086 | 2.479 | 5.588 | 8.866 | 5.588 | 8.866 | 5.588 | 8.866 |
| (CL+SO4)*100/(CL+SO4+HC03+C03) | 59.760 | 49.204 | 57.390 | 78.320 | 57.390 | 78.320 | 57.390 | 78.320 |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 40.240 | 50.796 | 42.610 | 21.680 | 42.610 | 21.680 | 42.610 | 21.680 |
| (NA+K)*100/(NA+K+CA+MG) | 56.848 | 74.538 | 69.375 | 69.955 | 69.375 | 69.955 | 69.375 | 69.955 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.152 | 25.462 | 30.625 | 30.045 | 30.625 | 30.045 | 30.625 | 30.045 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC 89 | SYC 90 | SYC 91 | SYC 92 |
|----------------------------------|-----------|----------|----------|----------|
| NO | 48.0 | 51.0 | 36.0 | 78.0 |
| TEMP | 1511.0000 | 1450.500 | 1419.000 | 4205.000 |
| TSM | 7.20 | 7.80 | 7.40 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(CLR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 29.100 | 31.400 | 23.700 | 100.400 |
| NA | 347.000 | 260.000 | 524.000 | 1098.000 |
| NH4 | | | | |
| CA | 93.400 | 180.800 | 26.100 | 399.500 |
| MG | 19.500 | 22.700 | 5.200 | 27.800 |
| FE | 0.240 | 1.040 | 0.050 | 1.270 |
| MN | 1.130 | 1.480 | 0.054 | 0.045 |
| ZN | 0.033 | 0.249 | 0.008 | 0.052 |
| CU | 0.020 | 0.032 | 0.001 | 0.016 |
| PR | | | | |
| AL | 8.250 | 3.700 | 1.240 | 17.000 |
| CL | 333.500 | 411.800 | 572.600 | 2431.700 |
| BR | | | | |
| I | | | | |
| F | 0.950 | 0.180 | 0.700 | 0.800 |
| OH | | | | |
| S04 | 430.000 | 227.500 | 125.800 | 50.600 |
| S203 | | | | |
| HC03 | 339.000 | 433.900 | 384.100 | 286.500 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 35.931 | 147.013 | 89.477 | 158.014 |
| H02 | 22.400 | 65.900 | 26.800 | 244.100 |
| H3P04 | 0.480 | 0.276 | 0.306 | 0.582 |
| HAS02 | 0.279 | 0.064 | 0.025 | 2.761 |
| C02 | 30.800 | 0.700 | 13.200 | 101.200 |
| H2S | 1.200 | 0.500 | 1.020 | 0.850 |
| RN (≠F-10 CURIE/L) | | | | |
| NA/K | 20.278 | 14.081 | 37.599 | 13.598 |
| CA/(HC03+C03) | 0.911 | 1.269 | 0.207 | 4.245 |
| MG/CA | 0.358 | 0.207 | 3.329 | 0.115 |
| NA/CA | 3.074 | 1.254 | 17.502 | 2.396 |
| CL/(HC03+C03) | 1.692 | 1.634 | 2.593 | 14.609 |
| CL/F | 132.490 | 1226.030 | 442.963 | 1628.948 |
| CL*100/(CL+S04+HC03+C03) | 39.230 | 49.507 | 64.676 | 92.267 |
| S04*100/(CL+S04+HC03+C03) | 37.590 | 20.186 | 10.378 | 1.417 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.140 | 30.307 | 24.945 | 6.316 |
| (NA+K)*100/(NA+K+CA+MG) | 70.830 | 52.659 | 93.115 | 69.371 |
| CA*100/(NA+K+CA+MG) | 21.958 | 39.220 | 5.182 | 27.476 |
| MG*100/(NA+K+CA+MG) | 7.213 | 8.121 | 1.703 | 3.153 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 76.820 | 69.693 | 75.055 | 93.684 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.140 | 30.307 | 24.945 | 6.316 |
| (NA+K)*100/(NA+K+CA+MG) | 70.830 | 52.659 | 93.115 | 69.371 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.170 | 47.341 | 6.885 | 30.629 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SVC 93 | | | SVC 94 | | | SVC 95 | | | SVC 96 | | |
|----------------------------------|----------|--------|--------|---------|--------|--------|---------|--------|--------|----------|--------|--------|
| | TEMP | TSW | PH(FD) | TEMP | TSW | PH(FD) | TEMP | TSW | PH(FD) | TEMP | TSW | PH(FD) |
| K | 100.000 | 2.553 | — | 14.800 | 0.379 | — | 26.800 | 0.686 | — | 64.600 | 1.652 | — |
| NA | 1946.000 | 45.501 | — | 497.000 | 21.620 | — | 700.000 | 30.450 | — | 920.000 | 40.020 | — |
| NAH4 | — | — | — | — | — | — | — | — | — | — | — | — |
| CA | 400.200 | 21.966 | — | 16.400 | 0.818 | — | 63.200 | 3.154 | — | 255.800 | 12.764 | — |
| MG | 35.680 | 2.930 | — | 7.000 | 0.576 | — | 39.700 | 3.267 | — | 37.500 | 3.086 | — |
| FE | 0.690 | 0.025 | — | 0.036 | 0.001 | — | 1.360 | 0.049 | — | 0.150 | 0.005 | — |
| MN | — | — | — | — | — | — | — | — | — | — | — | — |
| ZN | — | — | — | — | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — | — | — | — | — |
| PR | — | — | — | — | — | — | — | — | — | — | — | — |
| AL | 12.700 | 1.412 | — | 0.034 | 0.001 | — | 0.011 | 0.000 | — | — | — | — |
| CL | — | — | — | 2.680 | 0.298 | — | 3.700 | 0.411 | — | 2.800 | 0.311 | — |
| BR | 2305.200 | 67.597 | — | 319.500 | 9.013 | — | 468.600 | 13.219 | — | 1483.900 | 41.861 | — |
| I | — | — | — | — | — | — | — | — | — | — | — | — |
| F | 0.600 | 0.032 | — | 5.130 | 0.273 | — | 1.500 | 0.079 | — | 1.300 | 0.068 | — |
| OH | — | — | — | — | — | — | — | — | — | — | — | — |
| S04 | 32.300 | 0.381 | — | 300.300 | 6.336 | — | 808.700 | 17.670 | — | 564.800 | 11.759 | — |
| S203 | — | — | — | — | — | — | — | — | — | — | — | — |
| HC03 | 353.800 | 5.799 | — | 483.400 | 8.005 | — | 433.100 | 7.099 | — | 250.100 | 4.099 | — |
| C03 | — | — | — | — | — | — | — | — | — | — | — | — |
| SI02 | 109.479 | 3.155 | — | 43.927 | 0.731 | — | 59.467 | 0.990 | — | 128.012 | 2.131 | — |
| HB02 | 294.000 | 5.112 | — | 35.800 | 0.817 | — | 26.800 | 0.612 | — | 71.600 | 1.634 | — |
| H3PO4 | 0.459 | 0.005 | — | 1.225 | 0.013 | — | 0.112 | 0.001 | — | 0.745 | 0.008 | — |
| HAS02 | 0.279 | 1.303 | — | — | — | — | 0.064 | 0.001 | — | 0.455 | 0.004 | — |
| C02 | 75.400 | 1.599 | — | TP. | — | — | 35.200 | 0.800 | — | 48.400 | 1.100 | — |
| H2S | 1.200 | 0.035 | — | 7.300 | 0.229 | — | 6.600 | 0.020 | — | 0.850 | 0.025 | — |
| RN (*F-10 CURIE/L) | — | — | — | — | — | — | — | — | — | — | — | — |
| NA/K | 17.783 | 57.106 | — | — | — | — | — | — | — | — | — | — |
| CA/(HCO3+CO3) | 5.783 | 0.102 | — | — | — | — | — | — | — | — | — | — |
| MG/CA | 9.133 | 0.704 | — | — | — | — | — | — | — | — | — | — |
| NA/GA | 2.071 | 2.6418 | — | — | — | — | — | — | — | — | — | — |
| CL/(HCO3+CO3) | 11.657 | 1.126 | — | — | — | — | — | — | — | — | — | — |
| CL/F | 2130.223 | 33.054 | — | — | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 91.007 | 38.594 | — | — | — | — | — | — | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | 1.136 | 27.129 | — | — | — | — | — | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.807 | 34.277 | — | — | — | — | — | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 65.875 | 94.039 | — | — | — | — | — | — | — | — | — | — |
| CA*100/(NA+K+CA+MG) | 30.109 | 3.498 | — | — | — | — | — | — | — | — | — | — |
| MG*100/(NA+K+CA+MG) | 4.016 | 2.462 | — | — | — | — | — | — | — | — | — | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 92.193 | 65.723 | — | — | — | — | — | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.807 | 34.277 | — | — | — | — | — | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 65.875 | 94.039 | — | — | — | — | — | — | — | — | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | 34.125 | 5.961 | — | — | — | — | — | — | — | — | — | — |
| NA/K | — | — | — | — | — | — | — | — | — | — | — | — |
| CA/(HCO3+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| MG/CA | — | — | — | — | — | — | — | — | — | — | — | — |
| NA/GA | — | — | — | — | — | — | — | — | — | — | — | — |
| CL/(HCO3+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| CL/F | — | — | — | — | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | — | — | — | — | — | — | — | — | — | — | — | — |
| CA*100/(NA+K+CA+MG) | — | — | — | — | — | — | — | — | — | — | — | — |
| MG*100/(NA+K+CA+MG) | — | — | — | — | — | — | — | — | — | — | — | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | — | — | — | — | — | — | — | — | — | — | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | — | — | — | — | — | — | — | — | — | — | — | — |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC 97 | | SYC 98 | | SYC 99 | | SYC100 | |
|---------------------------------|---------|----------|--------|---------|----------|---------|---------|--------|
| | mg/L | % | mg/L | % | mg/L | % | mg/L | % |
| TEMP | 17.5 | 0.00 | 67.0 | 55.0 | 1109.500 | 25.0 | 273.500 | 7.80 |
| PH(FD) | 7.00 | 7.40 | 7.40 | 6.40 | 6.40 | 7.80 | 7.80 | 7.80 |
| PH(1R) | 7.00 | 7.40 | 7.40 | 6.40 | 6.40 | 7.80 | 7.80 | 7.80 |
| H (MG/KC) (MVAL/%G) | | | | | | | | |
| K | 1.039 | 120.000 | 3.070 | 10.000 | 0.256 | 8.000 | 0.205 | 2.480 |
| NA | 4.030 | 1159.000 | 51.722 | 235.000 | 10.223 | 57.000 | 2.480 | 2.480 |
| NH4 | | | | | | | | |
| CA | 1.512 | 323.700 | 16.153 | 86.400 | 4.311 | 11.000 | 0.549 | 0.214 |
| MG | 0.381 | 216.900 | 17.849 | 2.500 | 0.206 | 2.600 | 0.214 | 0.033 |
| FF | 0.010 | 5.100 | 0.183 | 0.140 | 0.005 | 0.920 | 0.033 | 0.033 |
| MN | | 0.890 | 0.032 | 0.490 | 0.018 | 0.015 | 0.000 | 0.000 |
| ZN | 0.001 | | 0.005 | | 0.003 | 0.015 | 0.000 | 0.002 |
| CU | 0.010 | 0.150 | | | | 0.060 | 0.002 | 0.002 |
| PB | | | | | | | | |
| AL | 5.600 | 4.700 | 0.523 | 0.550 | 0.106 | 0.920 | 0.102 | 0.102 |
| CL | 216.500 | 2030.000 | 57.266 | 98.400 | 2.776 | 5.200 | 0.147 | 0.147 |
| BP | | | | | | | | |
| I | | | | | | | | |
| F | 0.560 | 0.720 | 0.038 | 1.200 | 0.063 | 0.180 | 0.009 | 0.009 |
| OH | 0.017 | | | | | | | |
| S04 | 7.7.400 | 516.000 | 10.743 | 393.700 | 8.197 | 39.400 | 0.820 | 0.820 |
| S203 | | | | | | | | |
| HC03 | 274.500 | 1311.000 | 21.471 | 250.100 | 4.099 | 157.900 | 2.588 | 2.588 |
| C03 | 0.150 | | | | | | | |
| SI02 | 150.176 | 184.832 | 3.074 | 91.547 | 1.524 | 33.003 | 0.550 | 0.550 |
| HB02 | 0.300 | 104.100 | 2.376 | 27.100 | 0.618 | 19.900 | 0.454 | 0.454 |
| 43P04 | 0.204 | 1.348 | 0.014 | 0.562 | 0.006 | 0.633 | 0.006 | 0.006 |
| HA502 | 0.061 | 0.766 | 0.007 | 0.549 | 0.005 | 0.157 | 0.001 | 0.001 |
| C02 | 22.000 | 95.800 | 2.177 | 48.800 | 1.109 | 7.560 | 0.172 | 0.172 |
| H2S | 1.000 | 1.190 | 0.035 | 0.680 | 0.020 | 0.020 | | |
| RN (*R-10 CURTE/L) | | | | | | | | |
| NA/K | 78.545 | 16.850 | 39.963 | 18.418 | 4.126 | 12.116 | 4.126 | 4.126 |
| CA/(HC03+C02) | 0.336 | 0.752 | 1.052 | 27.197 | 23.075 | 23.075 | 23.075 | 23.075 |
| MG/CA | 0.542 | 1.105 | 0.048 | 27.197 | 72.799 | 72.799 | 72.799 | 72.799 |
| NA/CA | 28.469 | 3.202 | 2.371 | 69.877 | 15.924 | 15.924 | 15.924 | 15.924 |
| CL/(HC03+C03) | 5.114 | 2.667 | 0.577 | 1.372 | 6.207 | 6.207 | 6.207 | 6.207 |
| CL/F | 781.358 | 1510.952 | 43.944 | 15.482 | 15.482 | 15.482 | 15.482 | 15.482 |
| CL*100/(CL+S04+HC03+C03) | 51.183 | 63.999 | 18.418 | 18.418 | 4.126 | 4.126 | 4.126 | 4.126 |
| S04*100/(CL+S04+HC03+C03) | 37.612 | 12.006 | 54.385 | 54.385 | 23.075 | 23.075 | 23.075 | 23.075 |
| (HC03+C03)*100/(CL+S04+C03+C02) | 10.204 | 23.995 | 27.197 | 27.197 | 72.799 | 72.799 | 72.799 | 72.799 |
| (NA+K)*100/(NA+K+CA+MG) | 94.494 | 61.707 | 69.877 | 69.877 | 77.869 | 77.869 | 77.869 | 77.869 |
| CA*100/(NA+K+CA+MG) | 3.480 | 18.191 | 28.751 | 28.751 | 15.924 | 15.924 | 15.924 | 15.924 |
| MG*100/(NA+K+CA+MG) | 2.076 | 20.102 | 1.372 | 1.372 | 6.207 | 6.207 | 6.207 | 6.207 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 9.796 | 76.005 | 72.803 | 72.803 | 27.201 | 27.201 | 27.201 | 27.201 |
| (HC03+C03)*100/(CL+S04+C03+C02) | 10.204 | 23.995 | 27.197 | 27.197 | 72.799 | 72.799 | 72.799 | 72.799 |
| (NA+K)*100/(NA+K+CA+MG) | 94.494 | 61.707 | 69.877 | 69.877 | 77.869 | 77.869 | 77.869 | 77.869 |
| (CA+MG)*100/(NA+K+CA+MG) | 5.506 | 38.293 | 30.123 | 30.123 | 22.131 | 22.131 | 22.131 | 22.131 |

第2-2表 支笏・洞爺地域水質一覽表 (つづき)

| NO | SYC101 | SYC102 | SYC103 | SYC104 |
|----------------------------------|----------|---------|----------|-----------|
| TEMP | 45.0 | 37.0 | 9.0 | 7.0 |
| TSM | 2657.500 | 240.000 | 6894.000 | 26149.000 |
| PH(CFD) | 7.80 | 8.00 | 5.80 | 2.10 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(M*AL/KG) | | | | |
| K | 0.5000 | 4.000 | 48.000 | 7.940 |
| NA | 579.500 | 33.100 | 1219.000 | 50.000 |
| NH4 | - | - | - | 570.000 |
| CA | 1.0700 | 9.017 | 4.39000 | 21.906 |
| MG | 28.900 | 2.378 | 0.469 | 22.800 |
| FC | 1.500 | 0.054 | 246.000 | 15.000 |
| MN | 0.075 | 0.003 | 3.120 | 0.112 |
| ZN | 0.012 | 0.050 | 0.025 | 0.001 |
| CU | 0.070 | 0.002 | 0.030 | 0.001 |
| PB | 0.001 | 0.021 | 0.250 | 0.008 |
| AL | 3.800 | 0.005 | 0.000 | 0.065 |
| | | 0.439 | 0.914 | 615.000 |
| CL | 228.400 | 36.900 | 2541.000 | 71.622 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.620 | - | - | - |
| OH | - | - | - | - |
| S04 | 1120.000 | 30.800 | 230.013 | 4.789 |
| S203 | - | - | - | - |
| HCO3 | 405.600 | 91.500 | 1280.000 | 20.979 |
| CO3 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 176.935 | 53.851 | 140.013 | 2.331 |
| H3P04 | 45.100 | 17.700 | 164.000 | 3.742 |
| HAS02 | 0.745 | 0.018 | - | - |
| CO2 | 0.157 | 0.001 | - | - |
| H2S | 22.200 | 0.504 | 748.000 | 0.810 |
| | - | TP | - | - |
| | - | 1.360 | - | - |
| RN (#F-10 CURIE/L) | - | - | - | - |
| NA/K | 39.419 | 14.072 | 43.127 | 19.386 |
| CA/(HCO3+CO3) | 1.356 | 0.472 | 1.044 | 1.085 |
| MG/CA | 0.254 | 0.662 | 0.924 | 21.794 |
| NA/CA | 2.796 | 2.032 | 2.421 | - |
| CL/(HCO3+CO3) | 0.969 | 0.694 | 3.417 | - |
| CL/F | 197.420 | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 17.109 | 32.715 | 73.558 | - |
| S04*100/(CL+S04+HCO3+CO3) | 65.238 | 20.153 | 4.914 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 17.653 | 47.132 | 21.528 | - |
| (NA+K)*100/(NA+K+CA+MG) | 69.403 | 56.702 | 56.278 | 91.661 |
| CA*100/(NA+K+CA+MG) | 24.211 | 26.053 | 23.723 | 4.000 |
| MG*100/(NA+K+CA+MG) | 6.336 | 17.245 | 20.995 | 4.339 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 32.347 | 52.868 | 78.472 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 17.653 | 47.132 | 21.528 | - |
| (NA+K)*100/(NA+K+CA+MG) | 69.403 | 56.702 | 56.278 | 91.661 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.597 | 43.298 | 43.278 | 8.339 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC105 | SYC106 | SYC107 | SYC108 |
|----------------------------------|----------|----------|---------|----------|
| NO | 54.0 | 85.0 | 51.0 | 44.0 |
| TEMP | 1715.000 | 1571.000 | 893.000 | 1535.000 |
| TSM | 7.07 | 6.37 | 8.20 | 7.10 |
| PH(CFD) | | | | |
| PH(LA) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 16.000 | 0.499 | 9.000 | 0.307 |
| NA | 400.000 | 17.400 | 270.000 | 12.000 |
| NH4 | | | | 370.000 |
| CA | 70.000 | 3.992 | 5.700 | 52.000 |
| MG | 14.000 | 1.152 | 17.000 | 22.000 |
| FF | 2.500 | 0.090 | 0.260 | 1.500 |
| MN | 0.008 | 0.000 | 0.106 | 0.004 |
| ZN | 0.002 | 0.000 | 0.025 | 0.033 |
| CU | 0.001 | 0.000 | 0.033 | 0.0 |
| PB | 0.001 | 0.000 | 0.033 | 0.0 |
| AL | 4.700 | 0.523 | 2.100 | 2.000 |
| CL | 156.000 | 4.431 | 340.000 | 135.000 |
| BR | | | | 3.808 |
| I | | | | |
| F | 0.410 | 0.022 | 0.001 | 1.307 |
| OH | | | | 0.068 |
| S04 | 583.000 | 13.595 | 58.000 | 11.888 |
| S203 | | | | |
| HC03 | 308.000 | 5.704 | 139.000 | 332.000 |
| CO3 | | | | 5.441 |
| ST02 (MG/KG)(MMOL/KG) | 115.027 | 1.883 | 53.006 | 83.854 |
| HR02 | 59.200 | 1.351 | 41.000 | 45.500 |
| H3P04 | 7.255 | 0.003 | 0.041 | 0.153 |
| HAS02 | 0.022 | 0.000 | | 0.044 |
| C02 | 92.800 | 2.108 | | 75.400 |
| H2S | 1.100 | 0.035 | 1.700 | 0.850 |
| RN (*E-10 C/RTIE/L) | | | | |
| NA/K | 0.514 | 17.822 | 51.016 | 52.434 |
| CA/(HC03+CO3) | 0.700 | | 0.092 | 0.477 |
| MG/CA | 0.239 | 0.405 | 4.976 | 0.698 |
| NA/CA | 4.359 | 2.076 | 41.293 | 6.203 |
| CL/(HC03+CO3) | 0.772 | | 3.086 | 0.700 |
| CL/F | 233.905 | 6133.126 | 368.096 | 55.652 |
| CL*100/(CL+S04+HC03+CO3) | 18.559 | | 69.019 | 18.017 |
| S04*100/(CL+S04+HC03+CO3) | 57.365 | | 3.690 | 56.241 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 24.066 | | 22.291 | 25.743 |
| (NA+K)*100/(NA+K+CA+MG) | 77.589 | 60.953 | 87.570 | 78.829 |
| CA*100/(NA+K+CA+MG) | 17.392 | 27.796 | 2.080 | 12.471 |
| MG*100/(NA+K+CA+MG) | 5.019 | 11.251 | 10.350 | 9.701 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 75.934 | | 77.709 | 74.257 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 24.066 | | 22.291 | 25.743 |
| (NA+K)*100/(NA+K+CA+MG) | 77.589 | 60.953 | 87.570 | 78.829 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.411 | 39.047 | 12.430 | 21.171 |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| NO | SYC109 | | SYC110 | | SYC111 | | SYC112 | |
|----------------------------------|----------|----------|----------|-----------|---------|----------|---------|----------|
| | NO.0 | 7705.500 | 53.0 | 1917.500 | 53.0 | 4365.500 | 42.0 | 9187.000 |
| TEMP | | 7.80 | | 7.80 | | 7.60 | | 8.00 |
| TSM | | | | | | | | |
| PH(CFD) | | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(MVAL/CG) | | | | | | | | |
| K | 52.000 | 17.000 | 0.435 | 94.000 | 2.405 | 62.000 | 1.586 | |
| NA | 575.000 | 407.000 | 17.705 | 910.000 | 391.585 | 2735.000 | 118.973 | |
| NH4 | | | | | | | | |
| CA | 131.000 | 115.000 | 5.739 | 210.000 | 10.479 | 291.000 | 14.521 | |
| MG | 45.000 | 14.200 | 1.226 | 152.000 | 10.862 | 77.000 | 6.336 | |
| FF | 2.770 | 1.220 | 0.144 | 4.200 | 0.150 | 0.700 | 0.025 | |
| MN | 0.052 | 0.000 | 0.008 | 1.890 | 0.069 | 0.690 | 0.025 | |
| ZN | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| CU | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| PR | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| AL | 3.600 | 5.430 | 0.694 | 8.990 | 1.000 | 14.800 | 1.646 | |
| Cl | 202.000 | 184.000 | 5.191 | 887.000 | 25.022 | 3053.000 | 86.125 | |
| RR | | | | | | | | |
| I | | | | | | | | |
| F | 0.630 | 0.640 | 0.034 | 0.130 | 0.009 | 0.148 | 0.008 | |
| OH | | | | | | | | |
| S04 | 1245.000 | 629.000 | 13.096 | 522.000 | 10.868 | 2499.000 | 52.029 | |
| S203 | | | | | | | | |
| HCO3 | 414.000 | 456.000 | 7.474 | 1745.000 | 28.601 | 305.000 | 4.999 | |
| C03 | | | | | | | | |
| ST02 (MG/KG)(COML/KG) | 86.931 | 132.474 | 2.306 | 181.555 | 3.023 | 111.549 | 1.857 | |
| H2O2 | 0.400 | 54.200 | 1.328 | 130.000 | 2.967 | 53.700 | 1.225 | |
| H3PO4 | 0.008 | 0.306 | 0.003 | 1.278 | 0.013 | 0.306 | 0.003 | |
| HAS02 | 0.071 | 0.000 | 0.002 | 1.620 | 0.015 | 0.042 | 0.000 | |
| C02 | 15.300 | 17.600 | 0.400 | 79.200 | 1.799 | 0.000 | 0.000 | |
| H2S | 0.800 | 0.950 | 0.025 | 1.610 | 0.047 | 0.680 | 0.020 | |
| RN (**-10 CUP/F/L) | | | | | | | | |
| NA/K | 44.406 | 40.713 | 16.463 | 75.016 | | | | |
| CA/(HCO3+C03) | 1.405 | 0.768 | 0.366 | 2.905 | | | | |
| MG/CA | 0.304 | 0.214 | 1.037 | 0.436 | | | | |
| NA/CA | 2.624 | 3.185 | 3.778 | 8.193 | | | | |
| CL/(HCO3+C03) | 6.800 | 0.695 | 0.875 | 17.229 | | | | |
| CL/F | 171.830 | 154.072 | 2640.817 | 11054.836 | | | | |
| CL*100/(CL+SO4+HCO3+C03) | 14.832 | 20.150 | 38.800 | 60.163 | | | | |
| S04*100/(CL+SO4+HCO3+C03) | 67.474 | 50.837 | 16.852 | 36.345 | | | | |
| (HCO3+C03)*100/(CL+SO4+HCO3+C03) | 17.668 | 29.013 | 44.348 | 3.492 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 67.298 | 72.257 | 66.302 | 85.251 | | | | |
| CA*100/(NA+K+CA+MG) | 29.079 | 22.859 | 16.546 | 10.268 | | | | |
| MG*100/(NA+K+CA+MG) | 7.622 | 4.884 | 17.152 | 4.481 | | | | |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 82.332 | 70.987 | 55.652 | 96.508 | | | | |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 17.668 | 29.013 | 44.348 | 3.492 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 67.298 | 72.257 | 66.302 | 85.251 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 32.702 | 27.743 | 33.698 | 14.749 | | | | |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| NO | SYC113 | | SYC114 | | SYC115 | | SYC116 | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| | 51.0 | 46.0 | 26.0 | 48.0 | 26.0 | 48.0 | 26.0 | 48.0 |
| TEMP | 1202.500 | 1202.500 | 2341.000 | 3211.500 | 2341.000 | 3211.500 | 2341.000 | 3211.500 |
| TSM | 7.60 | 7.60 | 7.00 | 8.00 | 7.00 | 8.00 | 7.00 | 8.00 |
| PH(FD) | | | | | | | | |
| PH(IR) | | | | | | | | |
| H (MG/KG)(M/L)(%) | | | | | | | | |
| K | 9.000 | 12.000 | 18.000 | 25.000 | 18.000 | 25.000 | 18.000 | 25.000 |
| NA | 329.000 | 250.000 | 650.000 | 10.875 | 650.000 | 10.875 | 650.000 | 10.875 |
| NH4 | | | | | | | | |
| CA | 13.500 | 76.000 | 0.674 | 3.693 | 10.000 | 0.499 | 50.000 | 2.495 |
| MG | 4.700 | 19.000 | 0.337 | 1.564 | 33.200 | 2.732 | 19.000 | 1.564 |
| FE | 0.070 | 0.052 | 0.003 | 0.002 | 0.150 | 0.005 | 0.140 | 0.005 |
| MN | | 0.370 | | 0.013 | | | | |
| ZN | 0.009 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 0.004 | 0.000 |
| CU | 0.010 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 |
| PR | 3.600 | 0.480 | 0.053 | 9.680 | 1.076 | 2.530 | 0.281 | 0.281 |
| AL | | | | | | | | |
| CL | 330.000 | 11.000 | 4.683 | 454.000 | 12.807 | 1100.000 | 31.031 | 31.031 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.650 | 0.033 | 0.048 | 0.163 | 0.400 | 0.021 | 0.021 | 0.021 |
| OH | | | | | | | | |
| SO4 | 29.200 | 1.857 | 7.828 | 131.000 | 3.768 | 712.000 | 14.824 | 14.824 |
| S2O3 | | | | | | | | |
| HC03 | 171.000 | 2.903 | 3.868 | 982.000 | 16.095 | 321.000 | 5.261 | 5.261 |
| CO3 | | | | | | | | |
| ST02 (MG/KG)(M/L)(%) | 92.316 | 1.537 | 1.266 | 30.020 | 0.501 | 85.392 | 1.422 | 1.422 |
| HR02 | 31.300 | 0.714 | 1.534 | 58.200 | 1.328 | 53.700 | 1.225 | 1.225 |
| H3PO4 | 9.946 | 0.390 | 0.004 | 1.149 | 0.012 | 0.043 | 0.000 | 0.000 |
| HAS02 | | | | | | | | |
| CO2 | | | | | | | | |
| H2S | 1.700 | 0.950 | 0.700 | 30.800 | 2.885 | 0.010 | 0.000 | 0.000 |
| RN (NH-10 CURIE/L) | | | | | | | | |
| NA/K | 59.464 | 35.423 | 61.409 | 72.103 | 61.409 | 72.103 | 61.409 | 72.103 |
| CA/(HC03+CO3) | 0.291 | 0.955 | 0.031 | 0.474 | 0.031 | 0.474 | 0.031 | 0.474 |
| MG/CA | 0.574 | 0.423 | 0.475 | 0.627 | 0.475 | 0.627 | 0.475 | 0.627 |
| NA/CA | 20.664 | 2.945 | 56.663 | 18.481 | 56.663 | 18.481 | 56.663 | 18.481 |
| CL/(HC03+CO3) | 3.925 | 1.211 | 0.786 | 5.898 | 0.786 | 5.898 | 0.786 | 5.898 |
| CL/F | 331.750 | 96.696 | 78.484 | 1473.737 | 78.484 | 1473.737 | 78.484 | 1473.737 |
| CL*10 ³ /(CL+SO4+HC03+CO3) | 70.247 | 28.590 | 39.201 | 60.707 | 39.201 | 60.707 | 39.201 | 60.707 |
| SO4*10 ³ /(CL+SO4+HC03+CO3) | 11.858 | 47.794 | 11.535 | 29.000 | 11.535 | 29.000 | 11.535 | 29.000 |
| (HC03+CO3)*10 ³ /(CL+SO4+HC03+CO3) | 17.895 | 23.616 | 49.264 | 10.293 | 49.264 | 10.293 | 49.264 | 10.293 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 93.028 | 68.025 | 89.892 | 92.012 | 89.892 | 92.012 | 89.892 | 92.012 |
| CA*10 ³ /(NA+K+CA+MG) | 4.029 | 22.064 | 1.561 | 4.911 | 1.561 | 4.911 | 1.561 | 4.911 |
| MG*10 ³ /(NA+K+CA+MG) | 2.543 | 9.512 | 8.547 | 3.077 | 8.547 | 3.077 | 8.547 | 3.077 |
| (CL+SO4)*10 ³ /(CL+SO4+HC03+CO3) | 82.115 | 76.384 | 50.736 | 89.707 | 50.736 | 89.707 | 50.736 | 89.707 |
| (HC03+CO3)*10 ³ /(CL+SO4+HC03+CO3) | 17.895 | 23.616 | 49.264 | 10.293 | 49.264 | 10.293 | 49.264 | 10.293 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 93.028 | 68.025 | 89.892 | 92.012 | 89.892 | 92.012 | 89.892 | 92.012 |
| (CA+MG)*10 ³ /(NA+K+CA+MG) | 6.572 | 31.975 | 10.108 | 7.988 | 10.108 | 7.988 | 10.108 | 7.988 |

第2-2表 支笏・洞爺地域水質一覧表 (つづき)

| NO | SYC117 | | | SYC118 | | | SYC119 | | | SYC120 | | |
|----------------------------------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|---------|
| | TEMP | TSM | PH(CLR) | TEMP | TSM | PH(CLR) | TEMP | TSM | PH(CLR) | TEMP | TSM | PH(CLR) |
| H (MG/KG)(MHAL/KG) | | | | | | | | | | | | |
| K | 0.640 | 0.640 | 1.458 | 45.0 | 3670.500 | 8.00 | 45.0 | 3161.500 | 7.60 | 58.0 | 4340.000 | 7.00 |
| NA | 1060.000 | 46.110 | 46.284 | 3670.500 | 8.00 | | 3161.500 | 7.60 | | 4340.000 | 7.00 | |
| NH4 | | | | | | | | | | | | |
| CA | 50.000 | 2.495 | 3.762 | 57.000 | 1064.000 | 1.458 | 84.000 | 2.149 | 6.038 | 82.000 | 2.098 | 17.265 |
| MG | 19.000 | 1.584 | 1.382 | 1064.000 | 46.110 | 46.284 | 906.000 | 39.411 | 2.469 | 1078.000 | 46.893 | 1.991 |
| FF | 0.140 | 0.1005 | 0.024 | 75.400 | 1.382 | 0.024 | 30.070 | 0.015 | 0.002 | 24.200 | 0.408 | 0.015 |
| MN | | | 0.039 | 0.670 | 0.024 | 0.001 | 0.412 | 0.002 | 0.002 | 0.928 | 0.034 | 0.003 |
| ZN | | | 0.007 | 0.039 | 0.001 | 0.000 | 0.057 | 0.000 | 0.000 | 0.112 | 0.001 | 0.001 |
| CU | | | | 0.000 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | 0.038 | 0.000 | 0.000 |
| PB | | | | 0.000 | 0.000 | 0.000 | 0.054 | 0.001 | 0.001 | 0.014 | 0.000 | 0.000 |
| AL | 2.530 | 0.281 | 0.667 | 6.000 | 0.281 | 0.667 | 5.200 | 0.578 | 0.578 | 11.000 | 1.223 | 1.223 |
| CL | 1100.000 | 31.031 | 18.619 | 660.000 | 18.619 | 1562.000 | 44.064 | 44.064 | 1686.000 | 47.562 | 47.562 | |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | | | | | | | | | | | | |
| S04 | 742.000 | 16.874 | 27.982 | 1344.000 | 27.982 | 1.520 | 75.030 | 1.520 | 911.000 | 18.967 | 18.967 | |
| S203 | | | | | | | | | | | | |
| HC03 | 301.000 | 5.261 | 6.882 | 426.000 | 6.882 | 311.030 | 5.007 | 5.007 | 183.000 | 2.999 | 2.999 | |
| C03 | | | | | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | | | | | |
| HR02 | 85.392 | 1.422 | 1.768 | 196.163 | 1.422 | 1.768 | 120.011 | 1.907 | 136.935 | 2.280 | 2.280 | |
| H3PO4 | 53.700 | 1.225 | 1.022 | 44.800 | 1.022 | 1.022 | 174.000 | 3.971 | 89.600 | 2.045 | 2.045 | |
| HP02 | 0.041 | 0.000 | 0.001 | 0.102 | 0.001 | 0.001 | 0.333 | 0.004 | 0.772 | 0.007 | 0.007 | |
| HP02 | 0.010 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 1.010 | 0.009 | 0.772 | 0.007 | 0.007 | |
| C02 | | | | | | | | | | | | |
| H2S | | | | | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | | | | | | | | | | | | |
| CA/(HC03+C03) | | | | | | | | | | | | |
| MG/CA | | | | | | | | | | | | |
| NA/CA | | | | | | | | | | | | |
| CL/(HC03+C03) | | | | | | | | | | | | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | | | | | | | | | | | | |
| S04*100/(CL+S04+HC03+C03) | | | | | | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | | | | | | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| NA/K | 7.103 | 31.744 | 1.302 | 31.744 | 1.302 | 1.302 | 1.302 | 1.302 | 22.356 | 22.356 | 22.356 | |
| CA/(HC03+C03) | 0.474 | 0.539 | 1.185 | 0.539 | 1.185 | 1.185 | 1.185 | 1.185 | 5.756 | 5.756 | 5.756 | |
| MG/CA | 0.697 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.409 | 0.115 | 0.115 | 0.115 | |
| NA/CA | 13.441 | 12.302 | 6.527 | 12.302 | 6.527 | 6.527 | 6.527 | 6.527 | 2.716 | 2.716 | 2.716 | |
| CL/(HC03+C03) | 5.898 | 2.667 | 5.645 | 2.667 | 5.645 | 5.645 | 5.645 | 5.645 | 15.857 | 15.857 | 15.857 | |
| CL/F | 1473.737 | 7073.936 | 19463.531 | 7073.936 | 19463.531 | 19463.531 | 19463.531 | 19463.531 | 877.218 | 877.218 | 877.218 | |
| CL*100/(CL+S04+HC03+C03) | 60.707 | 36.707 | 66.942 | 36.707 | 66.942 | 66.942 | 66.942 | 66.942 | 62.407 | 62.407 | 62.407 | |
| S04*100/(CL+S04+HC03+C03) | 29.000 | 52.222 | 11.660 | 52.222 | 11.660 | 11.660 | 11.660 | 11.660 | 27.280 | 27.280 | 27.280 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.293 | 13.031 | 4.314 | 13.031 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | |
| (NA+K)*100/(NA+K+CA+MG) | 92.012 | 90.272 | 83.000 | 90.272 | 83.000 | 83.000 | 83.000 | 83.000 | 71.784 | 71.784 | 71.784 | |
| CA*100/(NA+K+CA+MG) | 4.911 | 7.114 | 1.660 | 7.114 | 1.660 | 1.660 | 1.660 | 1.660 | 25.298 | 25.298 | 25.298 | |
| MG*100/(NA+K+CA+MG) | 3.077 | 2.614 | 4.931 | 2.614 | 4.931 | 4.931 | 4.931 | 4.931 | 2.913 | 2.913 | 2.913 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 69.707 | 86.969 | 89.942 | 86.969 | 89.942 | 89.942 | 89.942 | 89.942 | 95.686 | 95.686 | 95.686 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 13.293 | 13.031 | 4.314 | 13.031 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | 4.314 | |
| (NA+K)*100/(NA+K+CA+MG) | 92.012 | 90.272 | 83.000 | 90.272 | 83.000 | 83.000 | 83.000 | 83.000 | 71.784 | 71.784 | 71.784 | |
| (CA+MG)*100/(NA+K+CA+MG) | 7.943 | 9.728 | 16.991 | 9.728 | 16.991 | 16.991 | 16.991 | 16.991 | 28.216 | 28.216 | 28.216 | |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| NO | SYC121 | | | SYC122 | | | SYC123 | | | SYC124 | | |
|---|--------|-------|--------|----------|-----------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | TEMP | TSM | PH(FD) | PH(CL,R) | H (MG/KG) | NA | NO ₃ | NO ₂ | NO ₃ | NO ₂ | NO ₃ | NO ₂ |
| K | 17.1 | 171.0 | 7.4 | 7.4 | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| NA | 384.0 | 16.7 | 0.256 | 0.256 | 234.0 | 16.7 | 0.256 | 0.256 | 0.256 | 0.256 | 0.256 | 0.256 |
| NO ₃ | 1.8 | 5.3 | 0.599 | 0.599 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| NO ₂ | 1.7 | 1.7 | 0.305 | 0.305 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| MG | 0.136 | 0.005 | 0.009 | 0.009 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 | 0.260 |
| MN | 0.664 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| ZN | 0.113 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CU | 0.455 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| PO | 7.460 | 0.467 | 0.301 | 0.301 | 2.710 | 2.710 | 2.710 | 2.710 | 2.710 | 2.710 | 2.710 | 2.710 |
| AL | 4.3 | 11.9 | 8.745 | 8.745 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 |
| CL | 0.630 | 0.033 | 0.004 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| RP | 5.0 | 14.4 | 0.549 | 0.549 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| I | 1.9 | 3.0 | 2.590 | 2.590 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| OH | 53.8 | 1.5 | 1.090 | 1.090 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| SO ₄ | 40.0 | 0.213 | 0.664 | 0.664 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| S ₂ O ₃ | 0.123 | 0.153 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| HCO ₃ | 7.0 | 3.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CO ₃ | 35.9 | 215.5 | 0.045 | 0.045 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| H ₂ S | 0.6 | 7.6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| RN (*F=10 C) (F/L) | 0.51% | 1.7 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 | 0.231 |
| NA/K | 1.7 | 0.231 | 0.664 | 0.664 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| CA/(HCO ₃ +CO ₃) | 0.321 | 3.1 | 16.999 | 16.999 | 0.153 | 0.153 | 0.153 | 0.153 | 0.153 | 0.153 | 0.153 | 0.153 |
| MG/CA | 3.1 | 3.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| NA/CA | 3.7 | 3.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL/(HCO ₃ +CO ₃) | 35.9 | 215.5 | 0.045 | 0.045 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| CL/F | 0.6 | 7.6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL*10 ⁶ /(CL+S0 ₄ +HCO ₃ +CO ₃) | 46.7 | 6.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| S0 ₄ *10 ⁶ /(CL+S0 ₄ +HCO ₃ +CO ₃) | 11.0 | 1.0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (HCO ₃ +CO ₃)*100/(CL+S0 ₄ +HCO ₃ +CO ₃) | 12.1 | 1.1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (NA+K)*10 ⁶ /(NA+K+CA+MG) | 71.0 | 7.1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CA*10 ⁶ /(NA+K+CA+MG) | 21.9 | 2.1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MG*10 ⁶ /(NA+K+CA+MG) | 7.0 | 0.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (CL+S0 ₄)*10 ⁶ /(CL+S0 ₄ +HCO ₃ +CO ₃) | 37.8 | 3.7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (HCO ₃ +CO ₃)*100/(CL+S0 ₄ +HCO ₃ +CO ₃) | 12.1 | 1.1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (NA+K)*10 ⁶ /(NA+K+CA+MG) | 71.0 | 7.1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (CA+MG)*10 ⁶ /(NA+K+CA+MG) | 24.9 | 2.4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| | SYC125 | SYC126 | SYC127 | SYC128 |
|----------------------------------|---------|----------|----------|----------|
| NO | 58.0 | 50.0 | 47.5 | 50.0 |
| TEMP | 731.500 | 1085.500 | 2386.500 | 1282.000 |
| TSM | 7.00 | 8.00 | 7.80 | 7.60 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 11.000 | 9.281 | 10.000 | 0.256 |
| NA | 143.000 | 6.221 | 350.000 | 15.225 |
| NH4 | - | - | - | - |
| CA | 46.000 | 2.205 | 8.900 | 0.404 |
| MG | 5.100 | 0.420 | 0.520 | 0.048 |
| FF | 0.150 | 0.005 | 0.236 | 0.008 |
| MN | 0.300 | 0.011 | - | - |
| ZN | 0.022 | 0.001 | 0.017 | 0.001 |
| CU | TR. | - | 0.007 | 0.000 |
| PR | 0.037 | 0.000 | - | - |
| AL | 7.500 | 0.844 | 2.700 | 0.300 |
| CL | 60.300 | 1.701 | 401.000 | 11.312 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.550 | 0.029 | 0.790 | 0.042 |
| OH | - | - | - | - |
| S04 | 263.000 | 5.476 | 116.000 | 2.415 |
| S203 | - | - | - | - |
| HCO3 | 177.000 | 2.091 | 158.000 | 2.500 |
| C03 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 163.861 | 2.728 | 76.930 | 1.281 |
| HR02 | 31.000 | 0.707 | 35.800 | 0.817 |
| H3P04 | 0.000 | 0.000 | 0.000 | 0.001 |
| HAS02 | 0.077 | 0.001 | 0.017 | 0.000 |
| C02 | 22.000 | 0.500 | - | - |
| H2S | 1.350 | 0.040 | 1.370 | 0.055 |
| RN (*E=10 CURIE/L) | - | - | - | - |
| NA/K | 92.107 | 59.519 | 43.611 | 29.209 |
| CA/(HCO3+C03) | 0.791 | 0.171 | 0.680 | 0.589 |
| MG/CA | 0.183 | 0.315 | 0.111 | 0.569 |
| NA/CA | 2.710 | 34.282 | 20.586 | 4.242 |
| CL/(HCO3+C03) | 0.556 | 4.388 | 4.253 | 0.966 |
| CL/F | 52.755 | 272.022 | 320.360 | 84.770 |
| CL*100/(CL+S04+HCO3+C03) | 16.879 | 69.328 | 63.282 | 26.889 |
| S04*100/(CL+S04+HCO3+C03) | 54.334 | 14.801 | 21.832 | 45.278 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 28.786 | 15.871 | 14.880 | 27.833 |
| (NA+K)*100/(NA+K+CA+MG) | 70.543 | 96.365 | 93.670 | 73.661 |
| CA*100/(NA+K+CA+MG) | 24.904 | 2.764 | 1.197 | 16.788 |
| MG*100/(NA+K+CA+MG) | 4.553 | 0.871 | 0.133 | 9.551 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 71.214 | 84.129 | 85.120 | 72.167 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 28.786 | 15.871 | 14.880 | 27.833 |
| (NA+K)*100/(NA+K+CA+MG) | 70.543 | 96.365 | 93.670 | 73.661 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.457 | 3.635 | 1.330 | 26.339 |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| | SYC129 | SYC130 | SYC131 | SYC132 |
|--|---------|----------|---------|----------|
| NO | | | | |
| TEMP | 4.5.0 | 49.5 | 34.0 | 50.0 |
| TSM | 656.500 | 1009.500 | 169.500 | 1579.500 |
| PH(CF0) | 7.30 | 8.40 | 8.40 | 8.20 |
| PH(1A) | - | - | - | - |
| H (MG/KC) (MVAL/FG) | | | | |
| K | 26.000 | 13.000 | 7.000 | 27.000 |
| NA | 70.000 | 337.000 | 22.000 | 510.000 |
| NH4 | - | - | - | - |
| CA | 56.000 | 6.400 | 9.600 | 13.600 |
| MG | 10.000 | 0.970 | 0.970 | 4.000 |
| FP | 0.000 | 0.057 | 0.449 | 0.120 |
| TP | - | - | - | - |
| ZK | 0.033 | 0.007 | 0.000 | 0.000 |
| CE | - | TP | 0.003 | 0.005 |
| PP | - | TP | - | 0.008 |
| AL | 3.110 | 3.660 | 7.330 | 4.140 |
| CL | 4.800 | 397.000 | 8.870 | 624.000 |
| RP | - | - | - | - |
| I | - | - | - | - |
| F | 0.95 | 0.330 | 0.155 | 0.700 |
| OH | - | - | - | - |
| S04 | 205.000 | 78.900 | 57.600 | 149.000 |
| S203 | - | - | - | - |
| HC03 | 136.000 | 170.000 | 66.500 | 200.000 |
| C03 | - | - | - | - |
| STOP (MG/FG) (MVAL/KC) | | | | |
| H00 | 85.300 | 100.000 | 40.465 | 100.000 |
| H300 | 47.200 | 22.400 | 11.200 | 26.800 |
| H300H | 0.511 | 0.005 | 0.002 | 0.204 |
| HAS02 | 1.268 | 3.170 | 0.015 | 0.000 |
| C02 | - | - | - | - |
| H2S | 1.100 | 1.530 | 1.530 | 1.190 |
| RI (*F-10 CUPIE/L) | | | | |
| NA/K | 4.578 | 44.083 | 5.345 | 32.121 |
| CA/(HC03+CO) | 1.995 | 0.115 | 0.440 | 0.207 |
| MC/CA | 0.102 | 0.250 | 0.167 | 0.485 |
| NA/CA | 0.210 | 45.903 | 1.998 | 32.690 |
| CL/(HC03+CO) | 0.314 | 4.019 | 0.230 | 5.370 |
| CL/F | 14.385 | 709.180 | 30.668 | 477.720 |
| CL*10 ¹⁰ /(CL+S04+HC03+CO) | 7.713 | 71.661 | 9.854 | 73.397 |
| S04*10 ¹⁰ /(CL+S04+HC03+CO) | 47.713 | 10.511 | 47.225 | 12.935 |
| (HC03+CO)*10 ¹⁰ /(CL+S04+HC03+CO) | 24.574 | 17.828 | 42.921 | 13.668 |
| (NA+K)*10 ¹⁰ /(NA+K+CA+MG) | 16.004 | 97.406 | 67.027 | 95.780 |
| CA*10 ¹⁰ /(NA+K+CA+MG) | 0.2631 | 2.075 | 2.8263 | 2.841 |
| MC*10 ¹⁰ /(NA+K+CA+MG) | 9.325 | 9.519 | 4.709 | 1.578 |
| (CL+S04)*10 ¹⁰ /(CL+S04+HC03+CO) | 75.426 | 82.172 | 57.079 | 86.332 |
| (HC03+CO)*10 ¹⁰ /(CL+S04+HC03+CO) | 34.574 | 17.828 | 42.921 | 13.668 |
| (NA+K)*10 ¹⁰ /(NA+K+CA+MG) | 42.004 | 97.406 | 67.027 | 95.780 |
| (CA+MG)*10 ¹⁰ /(NA+K+CA+MG) | 57.955 | 2.594 | 33.973 | 4.220 |

第2-2表 支笏・洞爺地域水質一覽表 (つづき)

| NO | SYC133 | | SYC134 | | SYC135 | | SYC136 | |
|----------------------------------|----------|---------|----------|----------|----------|---------|---------|---------|
| | 48.5 | 50.0 | 49.0 | 72.0 | 49.0 | 72.0 | 49.0 | 72.0 |
| TEMP | 33.0 | 33.0 | 1051.500 | 1435.500 | 1435.500 | 666.000 | 666.000 | 666.000 |
| TSM | 8.00 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(CLB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 53.000 | 1.356 | 14.000 | 0.358 | 21.000 | 0.537 | 6.000 | 0.153 |
| K | 1050.000 | 45.575 | 3001.000 | 13.050 | 4377.000 | 21.135 | 181.000 | 7.874 |
| NA | - | - | - | - | - | - | - | - |
| NH4 | 23.000 | 1.148 | 6.400 | 0.319 | 9.450 | 0.471 | 26.100 | 1.302 |
| MG | 8.000 | 0.658 | 2.900 | 0.239 | 2.350 | 0.196 | 0.450 | 0.037 |
| FE | 2.010 | 0.072 | 1.530 | 0.012 | 0.075 | 0.003 | 0.116 | 0.004 |
| MN | 0.200 | 0.007 | - | - | - | - | - | - |
| ZN | 0.002 | 0.000 | 0.018 | 0.001 | - | - | - | - |
| CU | - | - | 0.016 | 0.001 | 0.015 | 0.000 | 0.002 | 0.000 |
| PB | - | - | 0.018 | 0.000 | - | - | 0.003 | 0.000 |
| AL | 6.650 | 0.743 | 201.600 | 2.291 | 2.330 | 0.254 | 4.900 | 0.545 |
| CL | 1013.000 | 29.423 | 401.000 | 11.312 | 630.000 | 17.772 | 152.000 | 4.288 |
| BR | - | - | - | - | - | - | - | - |
| I | 0.200 | 0.011 | 0.460 | 0.024 | 0.720 | 0.034 | 1.630 | 0.086 |
| OH | - | - | - | - | - | - | - | - |
| SO4 | 654.000 | 1.990 | 83.400 | 1.240 | 77.000 | 1.603 | 221.000 | 4.601 |
| SZ03 | - | - | - | - | - | - | - | - |
| HC03 | 444.000 | 7.777 | 192.000 | 3.147 | 195.000 | 3.210 | 54.900 | 0.900 |
| CO3 | - | - | - | - | - | - | - | - |
| ST02 (MG/G)(MMOL/KG) | 100.000 | 1.655 | 102.471 | 1.206 | 97.701 | 1.627 | 80.777 | 1.345 |
| HB02 | 26.800 | 0.610 | 22.400 | 0.511 | 26.000 | 0.593 | 2.240 | 0.051 |
| H3P04 | 0.225 | 0.002 | 0.123 | 0.001 | 0.204 | 0.002 | 0.888 | 0.009 |
| HAS02 | - | - | - | - | 0.031 | 0.001 | 2.996 | 0.028 |
| CO2 | - | - | - | - | - | - | 4.400 | 0.100 |
| H2S | 1.360 | 0.040 | 1.530 | 0.045 | 1.870 | 0.055 | 0.680 | 0.020 |
| RN (*E-10 CURTE/L) | - | - | - | - | - | - | - | - |
| NA/K | 53.600 | 36.440 | 36.440 | 36.437 | 36.437 | 36.437 | 51.300 | 51.300 |
| CA/(HC03+CO3) | 0.158 | 0.101 | 0.101 | 0.146 | 0.146 | 0.146 | 1.447 | 1.447 |
| MG/CA | 1.574 | 3.747 | 3.747 | 0.416 | 0.416 | 0.416 | 0.028 | 0.028 |
| NA/CA | 39.797 | 40.863 | 40.863 | 45.020 | 45.020 | 45.020 | 6.045 | 6.045 |
| CL/(HC03+CO3) | 0.043 | 3.595 | 3.595 | 5.532 | 5.532 | 5.532 | 4.765 | 4.765 |
| CL/F | 2794.741 | 467.169 | 467.169 | 463.916 | 463.916 | 463.916 | 49.974 | 49.974 |
| CL*100/(CL+SO4+HC03+CO3) | 59.211 | 62.402 | 62.402 | 74.681 | 74.681 | 74.681 | 43.904 | 43.904 |
| SO4*100/(CL+SO4+HC03+CO3) | 36.144 | 11.292 | 11.292 | 7.097 | 7.097 | 7.097 | 47.004 | 47.004 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 14.645 | 19.307 | 19.307 | 14.222 | 14.222 | 14.222 | 9.192 | 9.192 |
| (NA+K)*100/(NA+K+CA+MG) | 36.302 | 96.005 | 96.005 | 97.023 | 97.023 | 97.023 | 85.700 | 85.700 |
| CA*100/(NA+K+CA+MG) | 2.350 | 2.287 | 2.287 | 0.102 | 0.102 | 0.102 | 13.905 | 13.905 |
| MG*100/(NA+K+CA+MG) | 1.348 | 1.709 | 1.709 | 0.875 | 0.875 | 0.875 | 0.395 | 0.395 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 95.355 | 80.693 | 80.693 | 85.778 | 85.778 | 85.778 | 90.808 | 90.808 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 14.645 | 19.307 | 19.307 | 14.222 | 14.222 | 14.222 | 9.192 | 9.192 |
| (NA+K)*100/(NA+K+CA+MG) | 96.312 | 96.005 | 96.005 | 97.023 | 97.023 | 97.023 | 85.700 | 85.700 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.693 | 3.995 | 3.995 | 2.977 | 2.977 | 2.977 | 14.300 | 14.300 |

第2-2表 支笏・洞爺地域水質一覽表（つづき）

| NO | TEMP TSM PH(FD) PH(CLR) | SYCI37 | | SYCI38 | | SYCI39 | | SYCI40 | |
|----------------------------------|----------------------------------|----------------|------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-----------------|
| | | | | | | | | | |
| H (MG/KG)(MIVAL/KG) | | | | | | | | | |
| K | 7.000 210.000 | 0.179 9.135 | 9.000 264.000 | 0.230 11.484 | 25.000 521.000 | 0.640 22.664 | 10.000 320.000 | 0.256 13.920 | 50.0 990.000 |
| NA | | | | | | | | | 8.40 |
| NH4 | 3.170 | 0.158 | 4.750 | 0.237 | 9.500 | 0.474 | 4.700 | 0.235 | |
| CA | | | 0.450 | 0.037 | 0.960 | 0.079 | 0.0 | 0.0 | |
| MG | 0.135 | 0.005 | 0.247 | 0.009 | 0.180 | 0.006 | 0.060 | 0.002 | |
| FE | 0.025 | 0.001 | | | | | | | |
| MN | TR. | | | | | | | | |
| ZN | | | 0.015 | 0.000 | 0.011 | 0.000 | | | |
| CU | | | | | | | | | |
| PR | 4.980 | 0.507 | 4.830 | 0.537 | 7.010 | 0.779 | 4.700 | 0.523 | |
| AL | 295.000 | 5.783 | 315.000 | 8.886 | 677.000 | 19.098 | 317.000 | 8.943 | |
| CL | | | | | | | | | |
| BR | | | | | | | | | |
| I | 1.340 | 0.071 | 0.880 | 0.046 | 0.760 | 0.040 | 1.880 | 0.099 | |
| OH | 49.300 | 1.026 | 49.700 | 1.035 | 122.000 | 2.540 | 136.000 | 2.832 | |
| S04 | 194.000 | 3.130 | 158.000 | 2.590 | 182.000 | 2.983 | 183.000 | 2.999 | |
| S203 | | | | | | | | | |
| HC03 | | | | | | | | | |
| C03 | | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 110.779 | 1.844 | 109.241 | 1.819 | 92.316 | 1.537 | 75.468 | 1.257 | |
| H502 | 17.000 | 0.408 | 26.800 | 0.612 | 26.800 | 0.612 | 20.100 | 0.459 | |
| H3P04 | 0.097 | 0.001 | 0.255 | 0.003 | 0.204 | 0.002 | 2.042 | 0.021 | |
| HAS02 | | | | | 0.003 | 0.000 | 0.017 | 0.000 | |
| C02 | | | | | | | | | |
| H2S | 2.550 | 0.075 | 2.210 | 0.065 | 1.700 | 0.050 | 2.040 | 0.060 | |
| RN (*F-10 CURTE/L) | | | | | | | | | |
| NA/K | 51.016 | | 49.883 | | 35.439 | | 54.418 | | |
| CA/(HC03+C03) | 0.050 | | 0.092 | | 0.159 | | 0.078 | | |
| MG/CA | 57.750 | | 0.156 | | 0.167 | | 0.0 | | |
| NA/CA | 1.819 | | 48.451 | | 47.808 | | 59.353 | | |
| CL/(HC03+C03) | 31.985 | | 3.431 | | 6.402 | | 2.881 | | |
| CL/F | | | 191.829 | | 477.378 | | 90.363 | | |
| CL*100/(CL+S04+HC03+C03) | 57.893 | | 71.029 | | 77.568 | | 60.531 | | |
| S04*100/(CL+S04+HC03+C03) | 10.275 | | 8.271 | | 10.316 | | 19.166 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.831 | | 20.700 | | 12.115 | | 20.302 | | |
| (NA+K)*100/(NA+K+CA+MG) | | | 97.714 | | 97.682 | | 98.372 | | |
| CA*100/(NA+K+CA+MG) | | | 1.977 | | 1.987 | | 1.628 | | |
| MG*100/(NA+K+CA+MG) | | | 0.309 | | 0.331 | | 0.0 | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 64.159 | | 79.300 | | 87.885 | | 79.698 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.831 | | 20.700 | | 12.115 | | 20.302 | | |
| (NA+K)*100/(NA+K+CA+MG) | | | 97.714 | | 97.682 | | 98.372 | | |
| (CA+MG)*100/(NA+K+CA+MG) | | | 2.286 | | 2.318 | | 1.628 | | |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| | SYC141 | SYC142 | SYC143 | SYC144 |
|----------------------------------|----------|----------|----------|---------|
| NO | 50.0 | 48.0 | 24.5 | 36.0 |
| TEMP | 1039.500 | 4053.000 | 1903.500 | 185.000 |
| TSM | 8.23 | 8.00 | 8.00 | 8.20 |
| PH(FD) | | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 12.000 | 63.000 | 7.000 | 1.700 |
| NA | 351.000 | 650.000 | 23.000 | 27.000 |
| NH4 | | | | |
| CA | 7.100 | 446.000 | 13.300 | 10.500 |
| MG | 3.900 | 63.700 | 0.200 | 0.500 |
| FE | 0.080 | 3.560 | 0.127 | 0.041 |
| MN | | 0.390 | | 0.058 |
| ZN | 0.022 | 0.018 | 0.050 | |
| CU | | | 0.005 | |
| PB | | | 0.002 | |
| AL | 5.230 | 16.300 | 5.480 | 5.390 |
| CL | 450.000 | 227.000 | 10.600 | 16.000 |
| BR | | | | |
| I | | | | |
| F | 0.640 | 1.880 | 0.020 | 1.040 |
| OH | | | | |
| S04 | 74.000 | 2430.000 | 23.800 | |
| S203 | | | | |
| HC03 | 152.000 | 152.000 | 103.000 | 113.000 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 107.742 | 60.005 | 0.999 | 0.790 |
| HB02 | 22.000 | 40.000 | 0.913 | 0.356 |
| H3P04 | 0.132 | 0.300 | 0.613 | 0.006 |
| HAS02 | 0.017 | 0.195 | 0.100 | 0.001 |
| C02 | | | 4.400 | 0.100 |
| H2S | 1.870 | 0.680 | 0.850 | 2.210 |
| HN (*F-10 CURIE/L) | | | | |
| NA/K | 49.741 | 17.545 | 5.588 | 27.009 |
| CA/(HC03+C03) | 0.142 | 8.933 | 0.393 | 0.283 |
| MG/CA | 0.906 | 0.254 | 0.025 | 0.079 |
| NA/CA | 43.096 | 1.270 | 1.508 | 2.242 |
| CL/(HC03+C03) | 5.141 | 2.570 | 0.177 | 0.244 |
| CL/F | 380.157 | 64.708 | 284.029 | 8.245 |
| CL*100/(CL+S04+HC03+C03) | 76.019 | 10.765 | 12.044 | |
| S04*100/(CL+S04+HC03+C03) | 9.194 | 85.047 | 19.959 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 14.787 | 4.188 | 67.997 | |
| (NA+K)*100/(NA+K+CA+MG) | 95.845 | 51.711 | 63.428 | 68.308 |
| CA*100/(NA+K+CA+MG) | 2.180 | 38.507 | 35.687 | 29.385 |
| MG*100/(NA+K+CA+MG) | 1.975 | 9.782 | 0.885 | 2.308 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 85.213 | 95.812 | 32.003 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 14.787 | 4.188 | 67.997 | |
| (NA+K)*100/(NA+K+CA+MG) | 95.845 | 51.711 | 63.428 | 68.308 |
| (CA+MG)*100/(NA+K+CA+MG) | 4.155 | 48.289 | 36.572 | 31.692 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC145 | SYC146 | SYC147 | SYC148 |
|----------------------------------|----------|----------|---------|----------|
| NO | 51.5 | 83.0 | 61.0 | 45.0 |
| TEMP | 1352.000 | 5545.000 | 925.000 | 3483.000 |
| TSM | 7.10 | 7.20 | 7.60 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 23.000 | 172.000 | 6.000 | 14.000 |
| NA | 200.000 | 1490.000 | 176.000 | 692.000 |
| NH4 | | | | |
| GA | 71.000 | 164.000 | 61.500 | 388.000 |
| MG | 58.000 | 2.504 | 4.608 | 37.000 |
| FE | 0.200 | 4.400 | 0.158 | 3.045 |
| MN | 0.360 | 3.000 | 0.109 | 0.362 |
| ZN | 0.166 | 0.005 | 0.011 | 0.012 |
| CU | 0.033 | 0.040 | 0.001 | 0.000 |
| PR | | | | |
| AL | 8.000 | 4.700 | 2.760 | 0.006 |
| CL | 181.000 | 1580.000 | 216.000 | 257.000 |
| BR | | | | |
| I | | | | |
| F | 1.000 | 0.100 | 2.200 | 0.600 |
| OH | | | | |
| S04 | 409.000 | 1100.000 | 315.000 | 1887.000 |
| S203 | | | | |
| HC03 | | | | |
| C03 | 335.000 | 945.000 | 15.409 | 256.000 |
| SI02 (MG/KG)(NMPL/KG) | | | | |
| H02 | 26.162 | 326.183 | 46.466 | 27.695 |
| H3P04 | 27.000 | 112.000 | 40.000 | 38.000 |
| HA502 | 0.201 | 1.736 | 1.123 | 0.071 |
| C02 | 0.146 | 2.142 | 0.014 | 0.001 |
| H2S | 35.000 | 92.000 | 2.800 | 0.092 |
| | 0.630 | 1.530 | 1.700 | 0.850 |
| RN (≒F-10 CURIE/L) | | | | |
| NA/K | 20.702 | 14.731 | 49.883 | 79.197 |
| CA/(HC03+C03) | 0.645 | 0.528 | 2.370 | 4.258 |
| MG/CA | 0.653 | 0.563 | 0.944 | 0.170 |
| NA/CA | 3.438 | 7.320 | 2.495 | 1.588 |
| CL/(HC03+C03) | 0.930 | 2.878 | 4.706 | 1.728 |
| CL/F | 98.999 | 847.287 | 50.770 | 229.546 |
| CL*100/(CL+S04+HC03+C03) | 36.147 | 53.725 | 43.691 | 14.290 |
| S04*100/(CL+S04+HC03+C03) | 45.737 | 27.605 | 47.025 | 77.439 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 29.116 | 18.669 | 9.284 | 8.270 |
| (NA+K)*100/(NA+K+CA+MG) | 58.590 | 84.601 | 56.693 | 57.870 |
| CA*100/(NA+K+CA+MG) | 19.052 | 9.979 | 22.279 | 35.995 |
| MG*100/(NA+K+CA+MG) | 19.378 | 5.619 | 21.028 | 6.135 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 71.834 | 91.331 | 90.716 | 91.730 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.116 | 18.669 | 9.284 | 8.270 |
| (NA+K)*100/(NA+K+CA+MG) | 68.590 | 84.601 | 56.693 | 57.870 |
| (CA+MG)*100/(NA+K+CA+MG) | 31.410 | 15.599 | 43.307 | 42.130 |

第2-2表 支笏・洞爺地蔵水質一覧表(つづき)

| NO | SYC149 | | SYC150 | | SYC151 | | SYC152 | |
|---------------------------------|---------|---------|----------|---------|----------|--------|---------|--------|
| | 47.5 | 57.0 | 57.0 | 70.5 | 1629.500 | 7.20 | 930.500 | 7.60 |
| TEMP | 23.39 | 20.00 | 30.57 | 5.00 | 1629.500 | 7.20 | 930.500 | 7.60 |
| TSM | 2.20 | — | 7.20 | — | — | — | — | — |
| PH(FD) | — | — | — | — | — | — | — | — |
| PH(CLB) | — | — | — | — | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — | — | — | — | — |
| K | 40.000 | 1.023 | 63.000 | 1.612 | 25.000 | 0.640 | 15.000 | 0.384 |
| NA | 810.000 | 35.235 | 825.000 | 35.288 | 406.000 | 17.400 | 176.000 | 7.656 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 10.700 | 0.534 | 159.000 | 7.934 | 94.000 | 4.691 | 70.000 | 3.493 |
| MG | 1.500 | 0.123 | 31.000 | 2.551 | 23.000 | 1.893 | 15.500 | 1.275 |
| FF | 0.350 | 0.013 | 0.200 | 0.007 | 0.090 | 0.003 | 0.125 | 0.004 |
| MN | — | — | 0.550 | 0.020 | 0.500 | 0.018 | — | — |
| ZN | 0.155 | 0.005 | 0.350 | 0.011 | 0.020 | 0.001 | 0.005 | 0.000 |
| CU | — | — | 0.090 | 0.003 | — | — | 0.006 | 0.000 |
| PR | — | — | — | — | — | — | — | — |
| AL | 15.300 | 1.701 | 1.430 | 0.159 | 3.630 | 0.404 | 17.900 | 1.990 |
| CL | 370.000 | 24.543 | 1075.000 | 30.439 | 408.000 | 11.510 | 213.000 | 6.009 |
| BR | — | — | — | — | — | — | — | — |
| I | 0.840 | 0.046 | 1.300 | 0.068 | — | 0.076 | 1.230 | 0.065 |
| OH | — | — | — | — | — | — | — | — |
| S04 | 416.000 | 4.661 | 722.000 | 15.032 | 478.000 | 9.952 | 286.000 | 5.955 |
| S203 | — | — | — | — | — | — | — | — |
| HC03 | 339.000 | 5.392 | 163.000 | 2.672 | 213.000 | 3.491 | 109.000 | 1.787 |
| CO3 | — | — | — | — | — | — | — | — |
| SI02 (MG/KG)(MOL/KG) | 06.930 | 1.614 | 153.860 | 2.562 | 125.396 | 2.088 | 144.628 | 2.408 |
| HR02 | 31.300 | 0.710 | 56.200 | 1.328 | 26.800 | 0.612 | 40.300 | 0.920 |
| H3P04 | 0.397 | 0.003 | 0.408 | 0.004 | 0.634 | 0.007 | 1.021 | 0.010 |
| HAS02 | — | — | 0.732 | 0.007 | 0.374 | 0.003 | 1.420 | 0.013 |
| CO2 | — | — | 17.600 | 0.400 | — | — | TR. | — |
| H2S | 0.510 | 0.015 | 1.360 | 0.040 | — | — | 1.020 | 0.030 |
| RN (*F-10 C/H/T/E/L) | — | — | — | — | — | — | — | — |
| NA/K | 40.436 | 22.269 | 22.269 | 27.209 | 27.209 | 19.953 | 19.953 | 19.953 |
| CA/(HC03+CO3) | 9.099 | 2.970 | 2.970 | 1.344 | 1.344 | 1.955 | 1.955 | 1.955 |
| MG/CA | 4.231 | 0.322 | 0.322 | 0.404 | 0.404 | 0.365 | 0.365 | 0.365 |
| NA/CA | 15.932 | 4.523 | 4.523 | 3.710 | 3.710 | 2.192 | 2.192 | 2.192 |
| CL/(HC03+CO3) | 4.551 | 11.394 | 11.394 | 3.297 | 3.297 | 3.363 | 3.363 | 3.363 |
| CL/F | 519.814 | 444.801 | 444.801 | 151.840 | 151.840 | 92.803 | 92.803 | 92.803 |
| CL*100/(CL+S04+HC03+CO3) | 63.589 | 63.226 | 63.226 | 46.126 | 46.126 | 43.701 | 43.701 | 43.701 |
| S04*100/(CL+S04+HC03+CO3) | 37.440 | 31.224 | 31.224 | 39.883 | 39.883 | 43.306 | 43.306 | 43.306 |
| (HC03+CO3)*100/(CL+S04+CO3+CO3) | 13.971 | 5.549 | 5.549 | 13.991 | 13.991 | 12.993 | 12.993 | 12.993 |
| (NA+K)*100/(NA+K+CA+MG) | 98.219 | 78.149 | 78.149 | 73.263 | 73.263 | 62.770 | 62.770 | 62.770 |
| CA*100/(NA+K+CA+MG) | 1.446 | 16.535 | 16.535 | 19.050 | 19.050 | 27.272 | 27.272 | 27.272 |
| MG*100/(NA+K+CA+MG) | 0.334 | 5.316 | 5.316 | 7.687 | 7.687 | 9.958 | 9.958 | 9.958 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 36.709 | 94.451 | 94.451 | 86.009 | 86.009 | 87.007 | 87.007 | 87.007 |
| (HC03+CO3)*100/(CL+S04+CO3+CO3) | 13.971 | 5.549 | 5.549 | 13.991 | 13.991 | 12.993 | 12.993 | 12.993 |
| (NA+K)*100/(NA+K+CA+MG) | 98.219 | 78.149 | 78.149 | 73.263 | 73.263 | 62.770 | 62.770 | 62.770 |
| (CA+MG)*100/(NA+K+CA+MG) | 1.741 | 21.851 | 21.851 | 26.737 | 26.737 | 37.230 | 37.230 | 37.230 |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| NO | TEMP | TSM | PH(FD) | PH(CLB) | SYC153 | | SYC154 | | SYC155 | | SYC156 | |
|----------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|--------|------|--------|---------|
| | | | | | 44.0 | 34.0 | 440.000 | 75.0 | 75.0 | 43.0 | 43.0 | 694.000 |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 9.000 | 0.230 | 4.000 | 90.000 | 0.102 | 5.350 | 5.308 | 1.500 | 0.038 | | | |
| NA | 177.000 | 7.700 | | | 3.915 | 24.000 | 0.614 | 48.000 | 2.088 | | | |
| NH4 | | | | | | 74.000 | 3.219 | | | | | |
| CA | 6.300 | 0.314 | 23.200 | | 1.158 | 59.000 | 2.944 | 1.700 | 0.085 | | | |
| MG | 3.200 | 0.181 | 2.550 | | 0.210 | 11.200 | 0.922 | 0.0 | | | | |
| FE | 0.220 | 0.008 | 2.150 | | 0.077 | 37.600 | 1.346 | 0.140 | 0.005 | | | |
| MN | | | 0.054 | | 0.002 | 0.710 | 0.026 | | | | | |
| ZN | 0.007 | 0.000 | | | | | | 0.012 | 0.000 | | | |
| CU | 0.016 | 0.001 | | | | | | 0.011 | 0.000 | | | |
| PB | | | | | | | | | | | | |
| AL | 20.400 | 2.268 | | | 0.407 | 12.800 | 1.423 | 10.700 | 1.190 | | | |
| CL | 227.000 | 6.404 | 46.100 | | 1.300 | 117.000 | 3.301 | 17.700 | 0.499 | | | |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | 0.790 | 0.042 | 0.560 | | 0.029 | 0.360 | 0.019 | 0.560 | 0.029 | | | |
| OH | | | | | | | | | | | | |
| S04 | 51.000 | 1.062 | 58.000 | | 1.208 | 847.696 | 17.649 | 68.000 | 1.416 | | | |
| S203 | | | | | | | | | | | | |
| HC03 | 195.000 | 3.136 | 202.000 | | 3.311 | | | 91.000 | 1.491 | | | |
| C03 | | | | | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| H02 | 0.6926 | 0.443 | 40.004 | | 0.666 | 236.944 | 3.945 | 70.006 | 1.166 | | | |
| H304 | 13.400 | 0.306 | 13.400 | | 0.306 | 63.000 | 1.438 | 9.000 | 0.205 | | | |
| HA04 | 0.143 | 0.001 | 0.077 | | 0.001 | 0.378 | 0.004 | 0.306 | 0.005 | | | |
| HA02 | 0.067 | 0.001 | 0.092 | | 0.001 | 0.260 | 0.002 | | | | | |
| C02 | | | | | | 180.000 | 4.090 | | | | | |
| H2S | 1.360 | 0.040 | 0.850 | | 0.025 | 15.300 | 0.449 | 1.700 | 0.050 | | | |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 33.404 | 38.262 | | | 5.243 | | | 54.418 | | | | |
| CA/(HC03+C03) | 0.098 | 0.350 | | | | | | 0.057 | | | | |
| MG/CA | 0.576 | 0.181 | | | 0.313 | | | 0.0 | | | | |
| NA/CA | 24.492 | 3.382 | | | 1.093 | | | 24.614 | | | | |
| CL/(HC03+C03) | 2.004 | 0.393 | | | | | | 0.335 | | | | |
| CL/F | 153.948 | 44.116 | | | | | | 16.938 | | | | |
| CL*100/(CL+S04+HC03+C03) | 60.063 | 22.350 | | | | | | 14.657 | | | | |
| S04*100/(CL+S04+HC03+C03) | 9.959 | 20.753 | | | | | | 41.560 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 39.977 | 56.898 | | | | | | 43.783 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 94.120 | 74.604 | | | 49.787 | | | 96.164 | | | | |
| CA*100/(NA+K+CA+MG) | 3.731 | 21.499 | | | 38.242 | | | 3.836 | | | | |
| MG*100/(NA+K+CA+MG) | 2.149 | 3.897 | | | 11.972 | | | 0.0 | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 70.023 | 43.102 | | | | | | 56.217 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 29.977 | 56.898 | | | | | | 43.783 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 94.120 | 74.604 | | | 49.787 | | | 96.164 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 5.880 | 25.396 | | | 50.213 | | | 3.836 | | | | |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| | SYC157 | SYC158 | SYC159 | SYC160 |
|----------------------------------|---------|---------|---------|----------|
| NO | 46.5 | 43.0 | 43.0 | 48.5 |
| TEMP | 873.000 | 271.000 | 236.000 | 2974.000 |
| PH(FD) | 8.40 | 8.40 | 8.40 | 7.70 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 22.000 | 3.000 | 0.077 | 47.000 |
| NA | 240.000 | 56.000 | 2.436 | 880.000 |
| NH4 | - | - | - | - |
| CA | 5.000 | 6.300 | 0.314 | 12.600 |
| MG | - | - | - | 3.800 |
| FE | 0.172 | 0.034 | 0.001 | 1.640 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | 0.010 | - | - | - |
| PB | - | - | 0.025 | - |
| AL | 2.190 | 2.800 | 3.730 | 8.970 |
| CL | 124.000 | 14.200 | 12.400 | 898.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.800 | 1.160 | 1.160 | 1.970 |
| OH | - | - | - | - |
| S04 | 72.000 | 33.000 | 38.000 | 345.000 |
| S203 | - | - | - | - |
| HC03 | 398.000 | 122.000 | 116.000 | 543.000 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 42.316 | 57.159 | 12.155 | 160.784 |
| HR02 | 8.900 | 13.400 | 8.900 | 38.000 |
| H3P04 | 0.031 | 0.255 | 0.204 | 0.255 |
| HAS02 | 1.237 | - | - | - |
| CO2 | - | - | - | - |
| H2S | 2.040 | 1.360 | 1.360 | 1.530 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 19.551 | 31.744 | 43.364 | 31.840 |
| CA/(HC03+CO3) | 0.039 | 0.157 | 0.220 | 0.071 |
| MG/CA | - | - | - | 0.497 |
| NA/CA | 41.844 | 7.749 | 5.293 | 60.884 |
| CL/(HC03+CO3) | 0.550 | 0.200 | 0.184 | 2.846 |
| CL/F | 36.918 | 6.560 | 5.729 | 244.285 |
| CL*100/(CL+S04+HC03+CO3) | 30.802 | 12.975 | 11.498 | 61.167 |
| S04*100/(CL+S04+HC03+CO3) | 13.200 | 22.255 | 26.006 | 17.344 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 55.998 | 64.770 | 62.495 | 21.489 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 97.671 |
| CA*100/(NA+K+CA+MG) | - | - | - | 1.555 |
| MG*100/(NA+K+CA+MG) | - | - | - | 0.774 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 44.002 | 35.230 | 37.505 | 78.511 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 55.998 | 64.770 | 62.495 | 21.489 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 97.671 |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | 2.329 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC161 | SYC162 | SYC163 | SYC164 |
|----------------------------------|----------|----------|---------|----------|
| NO | 50.0 | 49.0 | 48.0 | 50.5 |
| TEMP | 1227.000 | 1082.000 | 666.000 | 1033.000 |
| TSM | 8.20 | 8.20 | 8.40 | 8.20 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 11.000 | 17.000 | 0.435 | 10.000 |
| NA | 370.000 | 320.000 | 13.920 | 310.000 |
| NH4 | - | - | - | - |
| CA | 10.000 | 10.500 | 0.524 | 8.400 |
| MG | - | - | - | - |
| FF | 0.052 | 0.026 | 0.001 | 0.070 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | 0.002 |
| PB | - | - | - | - |
| AL | 5.570 | 6.320 | 0.703 | 1.800 |
| CL | 454.000 | 401.000 | 11.312 | 358.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.400 | 1.600 | 0.084 | 1.280 |
| OH | - | - | - | - |
| S04 | 35.000 | 33.000 | 0.687 | 39.000 |
| S203 | - | - | - | - |
| HCO3 | 238.000 | 213.000 | 3.491 | 207.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 140.782 | 108.471 | 1.806 | 108.471 |
| H3P04 | 27.000 | 27.000 | 0.616 | 22.400 |
| HAS02 | 0.102 | 0.102 | 0.001 | 0.094 |
| CO2 | - | - | - | - |
| H2S | 1.700 | 1.190 | 0.035 | 0.850 |
| RN (*F-10 CURTE/L) | - | - | - | - |
| NA/K | 57.200 | 32.010 | 53.851 | 52.717 |
| CA/(HCO3+CO3) | 0.128 | 0.150 | 0.071 | 0.124 |
| MG/CA | - | - | - | - |
| NA/CA | 32.255 | 26.567 | 26.291 | 32.171 |
| CL/(HCO3+CO3) | 3.283 | 3.240 | 0.921 | 2.977 |
| CL/F | 173.786 | 134.311 | 38.853 | 149.886 |
| CL*100/(CL+S04+HCO3+CO3) | 73.450 | 73.028 | 44.369 | 70.604 |
| S04*100/(CL+S04+HCO3+CO3) | 4.179 | 4.435 | 7.452 | 5.677 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 22.371 | 22.537 | 48.179 | 23.719 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - |
| CA*100/(NA+K+CA+MG) | - | - | - | - |
| MG*100/(NA+K+CA+MG) | - | - | - | - |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 77.629 | 77.463 | 51.821 | 76.281 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 22.371 | 22.537 | 48.179 | 23.719 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | - |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| NO | SVC165 | | SVC166 | | SVC167 | | SVC168 | |
|----------------------------------|-----------|----------|---------|--------|---------|-----------|--------|--------|
| | TEMP | TSM | 49.0 | 45.0 | 47.5 | 48.0 | 48.0 | 48.0 |
| PH(FD) | 10.11.000 | 2766.000 | 8.00 | 8.00 | 721.000 | 1332.000 | 8.20 | 8.20 |
| PH(LB) | 8.40 | 8.00 | 8.00 | 8.00 | 8.40 | 8.00 | 8.00 | 8.00 |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 9.000 | 0.230 | 4.000 | 1.074 | 9.000 | 16.000 | 0.230 | 0.409 |
| NA | 310.000 | 13.485 | 876.000 | 38.106 | 230.000 | 416.000 | 9.570 | 18.096 |
| NH4 | | | | | | | | |
| CA | 13.500 | 0.674 | 13.900 | 0.694 | 10.000 | 10.000 | 0.499 | 0.499 |
| MG | | | 1.020 | 0.084 | | 2.300 | | 0.189 |
| FE | 0.080 | 0.003 | 0.130 | 0.005 | 0.090 | 0.080 | 0.003 | 0.003 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | 0.003 | 0.000 | | | | | | |
| PB | 2.900 | 0.322 | 0.007 | 0.000 | 0.017 | 4.000 | 0.000 | 0.445 |
| AL | | | 3.000 | 0.334 | 5.200 | | 0.578 | |
| CL | 260.000 | 7.899 | 855.000 | 24.120 | 245.000 | 500.000 | 6.911 | 14.105 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.960 | 0.051 | 0.840 | 0.044 | 0.800 | 0.010 | 0.042 | 0.001 |
| OH | | | | | | | | |
| S04 | 52.000 | 1.083 | 288.000 | 5.996 | 46.000 | 73.000 | 0.958 | 1.520 |
| S203 | | | | | | | | |
| HC03 | 348.000 | 5.704 | 620.000 | 10.162 | 183.000 | 245.000 | 2.999 | 4.016 |
| C03 | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| HB02 | 103.086 | 1.716 | 125.396 | 2.088 | 103.856 | 88.470 | 1.729 | 1.473 |
| H3P04 | 7.060 | 0.616 | 31.000 | 0.707 | 18.000 | 31.000 | 0.411 | 0.707 |
| HAS02 | 0.063 | 0.001 | 0.179 | 0.002 | 0.046 | 0.102 | 0.000 | 0.001 |
| CO2 | | | | | | | | |
| H2S | 1.870 | 0.055 | 0.680 | 0.020 | 0.850 | 0.850 | 0.025 | 0.025 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 58.574 | | 35.469 | | 41.569 | 44.214 | | |
| CA/(HC03+C03) | 0.118 | | 0.068 | | 0.166 | 0.124 | | |
| MG/CA | | | 0.121 | | | 0.379 | | |
| NA/CA | 20.013 | | 54.939 | | 19.178 | 36.265 | | |
| CL/(HC03+C03) | 1.335 | | 2.374 | | 3.304 | 3.513 | | |
| CL/F | 155.305 | | 545.474 | | 160.121 | 26795.213 | | |
| CL*100/(CL+S04+HC03+C03) | 53.788 | | 59.883 | | 63.591 | 71.816 | | |
| S04*100/(CL+S04+HC03+C03) | 7.372 | | 14.887 | | 8.812 | 7.738 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 38.840 | | 25.229 | | 27.597 | 20.445 | | |
| (NA+K)*100/(NA+K+CA+MG) | | | 98.054 | | | 96.414 | | |
| CA*100/(NA+K+CA+MG) | | | 1.736 | | | 2.600 | | |
| MG*100/(NA+K+CA+MG) | | | 0.210 | | | 0.986 | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 61.160 | | 74.771 | | 72.403 | 79.555 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 38.840 | | 25.229 | | 27.597 | 20.445 | | |
| (NA+K)*100/(NA+K+CA+MG) | | | 98.054 | | | 96.414 | | |
| (CA+MG)*100/(NA+K+CA+MG) | | | 1.946 | | | 3.586 | | |

第2-2表 支笏・洞窟地域水質一覧表(つづき)

| | SYC173 | SYC174 | SYC175 | SYC176 |
|----------------------------------|---------|-----------|---------|----------|
| NO | 60.0 | 12.0 | 54.0 | 52.0 |
| TEMP | 791.000 | 29591.000 | 601.000 | 3091.000 |
| TSM | 8.20 | 1.60 | 8.40 | 8.20 |
| PH(FD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 7.800 | 25.300 | 0.256 | 1.177 |
| NA | 155.000 | 65.000 | 6.221 | 46.000 |
| NH4 | 78.000 | 770.000 | 143.000 | 1032.000 |
| CA | 10.200 | 12.600 | 6.300 | 20.200 |
| MG | 1.440 | 2.550 | 0.210 | 2.040 |
| FE | 0.000 | 5880.000 | 0.125 | 0.170 |
| MN | 0.000 | 0.000 | - | 0.000 |
| CU | 0.000 | 0.012 | - | 0.000 |
| PR | 0.000 | 0.001 | - | 0.000 |
| AL | 4.300 | 746.000 | 14.000 | 7.000 |
| CL | 55.000 | 106.000 | 56.800 | 1058.000 |
| BR | - | - | - | 29.846 |
| I | 0.360 | 0.520 | 0.027 | 0.032 |
| F | 309.000 | 20903.432 | 27.000 | 12.783 |
| SO4 | 231.000 | - | 366.000 | 329.000 |
| HC03 | 73.000 | 116.934 | 130.012 | 136.166 |
| CO3 | 36.000 | 63.000 | 31.000 | 58.000 |
| SI02 (MG/FG)(MMOL/KG) | 0.005 | 0.026 | 0.715 | 0.007 |
| HR02 | 0.146 | - | 0.031 | 0.001 |
| H3PO4 | 0.340 | 0.010 | 3.570 | 0.018 |
| HAS02 | - | - | - | 1.190 |
| CO2 | - | - | - | 0.035 |
| H2S | - | - | - | - |
| RN (≠F-10 CURIE/L) | - | - | - | - |
| NA/K | 35.973 | 20.145 | 24.318 | 38.151 |
| CA/(HC03+CO3) | 1.023 | 0.334 | 0.052 | 0.187 |
| MG/CA | 0.216 | 0.334 | - | 0.167 |
| NA/CA | 1.204 | 53.273 | 19.787 | 44.537 |
| CL/(HC03+CO3) | 0.633 | - | 0.267 | 5.535 |
| CL/F | 126.533 | 109.242 | 10.146 | 944.978 |
| CL*100/(CL+S04+HC03+CO3) | 19.004 | - | 19.629 | 62.151 |
| S04*100/(CL+S04+HC03+CO3) | 57.933 | - | 6.886 | 26.820 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 30.077 | - | 73.485 | 11.229 |
| (NA+K)*100/(NA+K+CA+MG) | 60.924 | 97.670 | - | 97.511 |
| CA*100/(NA+K+CA+MG) | 32.144 | 1.747 | - | 2.134 |
| MG*100/(NA+K+CA+MG) | 6.932 | 0.583 | - | 0.355 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 68.993 | - | 26.515 | 88.771 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 30.077 | - | 73.485 | 11.229 |
| (NA+K)*100/(NA+K+CA+MG) | 60.924 | 97.670 | - | 97.511 |
| (CA+MG)*100/(NA+K+CA+MG) | 39.076 | 2.330 | - | 2.489 |

第2-2表 支笏・洞爺地域水質一覽表 (つづき)

| | SYC177 | SYC178 | SYC179 | SYC180 |
|----------------------------------|---------|---------|----------|----------|
| NO | 47.5 | 49.3 | 50.0 | 52.5 |
| TEMP | 426.000 | 663.000 | 1153.000 | 2456.000 |
| TSM | 8.40 | 8.40 | 8.40 | 8.20 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG) (MVAL/CG) | - | - | - | - |
| K | 4.400 | 5.700 | 12.000 | 38.000 |
| NA | 140.000 | 140.000 | 370.000 | 846.000 |
| NH4 | - | - | - | - |
| CA | 5.060 | 5.060 | 8.430 | 13.500 |
| MG | - | - | - | 3.060 |
| FE | 0.070 | 0.068 | 0.021 | 0.023 |
| MN | - | - | - | - |
| ZN | - | 0.010 | - | - |
| CU | - | TR. | - | - |
| PB | - | 0.004 | - | - |
| AL | 0.600 | 25.000 | 9.000 | 2.200 |
| CL | 75.000 | 185.000 | 461.000 | 898.000 |
| BR | - | - | - | 25.333 |
| I | - | - | - | - |
| F | 0.700 | 0.860 | 1.160 | 0.720 |
| OH | - | - | - | - |
| SO4 | 32.000 | 39.000 | 49.000 | 385.000 |
| HCO3 | 199.000 | 195.000 | 228.000 | 341.000 |
| CO3 | - | - | - | 5.589 |
| STO2 (MG/KG) (MMOL/KG) | 86.162 | 63.083 | 126.935 | 170.015 |
| H2O2 | 29.000 | 36.000 | 45.000 | 45.000 |
| H3PO4 | 0.225 | 0.138 | 0.038 | 1.027 |
| HASO2 | 0.026 | 0.018 | 0.013 | 0.153 |
| CO2 | - | - | - | 0.000 |
| H2S | 1.700 | 1.870 | 1.530 | 0.000 |
| RN (*F-10 CURIE/L) | - | - | - | 1.020 |
| NA/K | 50.203 | 41.768 | 52.434 | 37.860 |
| CA/(HCO3+CO3) | 0.077 | 0.079 | 0.113 | 0.121 |
| MG/CA | - | - | - | 0.374 |
| NA/CA | 22.397 | 24.119 | 38.262 | 54.629 |
| CL/(HCO3+CO3) | 7.649 | 1.633 | 3.480 | 4.533 |
| CL/F | 51.529 | 115.282 | 212.976 | 668.392 |
| CL*100/(CL+S04+HCO3+CO3) | 15.008 | 56.561 | 73.217 | 65.060 |
| S04*100/(CL+S04+HCO3+CO3) | 11.024 | 8.800 | 5.744 | 20.586 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 53.968 | 34.638 | 21.039 | 14.354 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 97.609 |
| CA*100/(NA+K+CA+MG) | - | - | - | 1.741 |
| MG*100/(NA+K+CA+MG) | - | - | - | 0.651 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 46.032 | 65.362 | 78.961 | 85.646 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 53.968 | 34.638 | 21.039 | 14.354 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 97.609 |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | 2.391 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC181 | SYC182 | SYC183 | SYC184 |
|----------------------------------|---------|----------|----------|---------|
| NO | 40.0 | 50.0 | 48.0 | 45.0 |
| TEMP | 132.000 | 1140.000 | 1071.000 | 410.000 |
| TSM | 8.20 | 8.40 | 8.20 | 8.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(M/L/KG) | - | - | - | - |
| K | 2.000 | 13.000 | 0.333 | 0.384 |
| NA | 24.000 | 361.000 | 15.704 | 83.000 |
| NR4 | - | - | - | 3.611 |
| CA | 6.740 | 10.100 | 0.504 | 5.060 |
| MG | - | - | - | 0.252 |
| FE | 0.045 | 0.019 | 0.001 | 0.004 |
| MN | - | - | - | - |
| ZN | - | 0.075 | 0.002 | - |
| CU | - | 0.021 | 0.001 | - |
| PB | 0.010 | 0.013 | 0.000 | - |
| AL | 6.000 | 6.800 | 0.756 | 1.179 |
| CL | 10.600 | 461.000 | 13.005 | 10.600 |
| BR | - | - | - | 49.700 |
| I | - | - | - | - |
| F | 0.440 | 1.080 | 0.057 | 0.320 |
| OH | - | - | - | 0.017 |
| S04 | 11.500 | 35.000 | 0.729 | 23.100 |
| S203 | - | - | - | 0.481 |
| HC03 | 93.000 | 213.000 | 3.491 | 196.000 |
| CO3 | - | - | - | 3.212 |
| SI02 (MG/KG)(MMOL/KG) | 13.847 | 155.399 | 2.587 | 70.776 |
| HB02 | 22.000 | 40.000 | 0.913 | 22.000 |
| H3P04 | 0.153 | 0.051 | 0.001 | 0.204 |
| HAS02 | 0.032 | - | - | 0.011 |
| CO2 | - | - | - | 0.000 |
| H2S | 1.530 | 1.530 | 0.045 | 1.700 |
| RN (*E-10 CURIE/L) | - | - | - | 0.050 |
| NA/K | 20.407 | 47.223 | 35.145 | 47.048 |
| CA/(HC03+CO3) | 0.221 | 0.144 | 0.159 | 0.079 |
| MG/GA | - | - | - | - |
| NA/GA | 3.104 | 31.158 | 32.057 | 14.299 |
| CL/(HC03+CO3) | 0.196 | 3.725 | 3.784 | 0.436 |
| CL/F | 17.910 | 228.752 | 215.580 | 83.233 |
| CL*100/(CL+S04+HC03+CO3) | 14.497 | 75.501 | 66.032 | 27.516 |
| S04*100/(CL+S04+HC03+CO3) | 11.607 | 4.231 | 16.520 | 9.439 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.896 | 20.268 | 17.448 | 63.046 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - |
| CA*100/(NA+K+CA+MG) | - | - | - | - |
| MG*100/(NA+K+CA+MG) | - | - | - | - |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 26.104 | 79.732 | 82.552 | 36.954 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.896 | 20.268 | 17.448 | 63.046 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | - |

第2-2表 支笏・洞爺地帯水質一覽表 (つづき)

| NO | SYC155 | | SYC186 | | SYC187 | | SYC188 | |
|----------------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| | 42.3 | 48.5 | 60.0 | 60.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| TEMP | 637.000 | 1041.250 | 2841.000 | 2841.000 | 441.000 | 441.000 | 441.000 | 441.000 |
| TSM | 8.40 | 8.40 | 8.60 | 8.60 | 7.40 | 7.40 | 7.40 | 7.40 |
| PH(FD) | — | — | — | — | — | — | — | — |
| PH(LB) | — | — | — | — | — | — | — | — |
| H (MG/KG) (KVAL/KG) | 7.800 | 15.000 | 0.384 | 0.384 | 4.000 | 4.000 | 0.102 | 0.102 |
| K | 1.8.000 | 320.000 | 13.920 | 13.920 | 83.000 | 83.000 | 3.611 | 3.611 |
| NA | — | — | — | — | — | — | — | — |
| NH4 | 8.40 | 6.740 | 0.336 | 0.336 | 20.200 | 20.200 | 1.008 | 1.008 |
| CA | — | 2.040 | 0.168 | 0.168 | 12.200 | 12.200 | 1.004 | 1.004 |
| MG | — | 0.950 | 0.005 | 0.005 | 0.100 | 0.100 | 0.004 | 0.004 |
| FE | 0.150 | 0.140 | — | — | 0.050 | 0.050 | 0.002 | 0.002 |
| MN | — | — | — | — | 0.006 | 0.006 | 0.000 | 0.000 |
| ZN | — | — | — | — | 0.040 | 0.040 | 0.001 | 0.001 |
| CU | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — |
| AL | 13.600 | 11.000 | 1.223 | 1.223 | 1.500 | 1.500 | 0.167 | 0.167 |
| CL | 1.95.000 | 397.000 | 11.199 | 11.199 | 35.500 | 35.500 | 1.001 | 1.001 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | 0.040 | 0.880 | 0.046 | 0.046 | 0.225 | 0.225 | 0.012 | 0.012 |
| OH | — | — | — | — | — | — | — | — |
| S04 | 53.000 | 76.000 | 1.582 | 1.582 | 85.000 | 85.000 | 1.770 | 1.770 |
| S203 | — | — | — | — | — | — | — | — |
| HCO3 | 158.000 | 195.000 | 3.196 | 3.196 | 190.000 | 190.000 | 3.114 | 3.114 |
| CO3 | — | — | — | — | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 58.467 | 84.623 | 1.409 | 1.409 | 54.620 | 54.620 | 0.909 | 0.909 |
| HR02 | 27.000 | 27.000 | 0.616 | 0.616 | 18.000 | 18.000 | 0.411 | 0.411 |
| H3PO4 | 0.077 | 0.163 | 0.002 | 0.002 | 0.255 | 0.255 | 0.003 | 0.003 |
| HAS02 | 0.018 | — | — | — | — | — | — | — |
| CO2 | — | — | — | — | — | — | — | — |
| H2S | 1.870 | 1.360 | 0.040 | 0.040 | 4.400 | 4.400 | 0.100 | 0.100 |
| PN (*E-10 CURTF/L) | — | — | — | — | 0.850 | 0.850 | 0.025 | 0.025 |
| NA/K | 34.407 | 36.278 | 47.152 | 47.152 | 35.286 | 35.286 | — | — |
| CA/(HCO3+CO3) | 1.162 | 0.105 | 0.970 | 0.970 | 0.324 | 0.324 | — | — |
| MG/CA | — | 0.489 | 0.735 | 0.735 | 0.996 | 0.996 | — | — |
| NA/CA | 16.339 | 41.388 | 2.632 | 2.632 | 3.582 | 3.582 | — | — |
| CL/(HCO3+CO3) | 2.043 | 3.504 | 3.364 | 3.364 | 0.322 | 0.322 | — | — |
| CL/F | 2518.750 | 241.766 | 3014.115 | 3014.115 | 84.554 | 84.554 | — | — |
| CL*S04/(CL+S04+HCO3+CO3) | 58.950 | 70.094 | 76.417 | 76.417 | 17.016 | 17.016 | — | — |
| S04*100/(CL+S04+HCO3+CO3) | 12.265 | 9.903 | 0.865 | 0.865 | 30.070 | 30.070 | — | — |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 28.785 | 20.003 | 22.719 | 22.719 | 52.914 | 52.914 | — | — |
| (NA+K)*100/(NA+K+CA+MG) | — | 96.595 | 60.780 | 60.780 | 64.856 | 64.856 | — | — |
| CA*100/(NA+K+CA+MG) | — | 2.271 | 22.609 | 22.609 | 17.607 | 17.607 | — | — |
| MG*100/(NA+K+CA+MG) | — | 1.134 | 16.612 | 16.612 | 17.537 | 17.537 | — | — |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 71.215 | 79.997 | 77.281 | 77.281 | 47.086 | 47.086 | — | — |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 98.785 | 20.003 | 22.719 | 22.719 | 52.914 | 52.914 | — | — |
| (NA+K)*100/(NA+K+CA+MG) | — | 96.595 | 60.780 | 60.780 | 64.856 | 64.856 | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | — | 3.405 | 39.220 | 39.220 | 35.144 | 35.144 | — | — |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC189 | | SYC190 | | SYC191 | | SYC192 | |
|----------------------------------|---------|----------|----------|----------|----------|---------|---------|---------|
| | 31.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 48.0 | 48.0 |
| TEMP | 698.000 | 1171.000 | 1171.000 | 2742.000 | 2742.000 | 858.000 | 858.000 | 858.000 |
| TSM | 7.60 | 8.20 | 8.20 | 8.20 | 8.20 | 8.40 | 8.40 | 8.40 |
| PH(CFD) | - | - | - | - | - | - | - | - |
| PH(CLR) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - | - | - | - | - |
| K | 6.000 | 10.000 | 10.000 | 31.000 | 31.000 | 10.000 | 10.000 | 0.256 |
| NA | 147.000 | 391.000 | 391.000 | 875.000 | 875.000 | 286.000 | 286.000 | 11.571 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 14.500 | 12.100 | 12.100 | 16.200 | 16.200 | 8.100 | 8.100 | 0.404 |
| MG | 9.800 | 0.806 | 0.806 | 4.900 | 4.900 | 1.220 | 1.220 | 0.100 |
| FE | 0.290 | 0.250 | 0.250 | 2.160 | 2.160 | 0.077 | 0.343 | 0.012 |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | 0.015 | 0.015 | 0.000 | 0.000 | - | - | - |
| PR | - | 0.015 | 0.015 | 0.000 | 0.000 | - | - | - |
| AL | 1.100 | 6.700 | 6.700 | 25.000 | 25.000 | 6.000 | 6.000 | 0.667 |
| CL | 56.300 | 490.000 | 490.000 | 13.823 | 985.000 | 27.787 | 314.000 | 8.858 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 0.345 | 1.000 | 1.000 | 0.720 | 0.720 | 0.038 | 1.100 | 0.058 |
| SO4 | 141.000 | 62.000 | 62.000 | 1.291 | 454.000 | 9.452 | 56.000 | 1.166 |
| SPO3 | 253.000 | 4.311 | 182.000 | 3.081 | 345.000 | 5.655 | 182.000 | 2.983 |
| HC03 | - | - | - | - | - | - | - | - |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 62.313 | 140.013 | 140.013 | 2.331 | 198.479 | 3.305 | 70.776 | 1.178 |
| HR02 | 22.000 | 0.502 | 27.000 | 0.616 | 40.000 | 0.913 | 18.000 | 0.411 |
| H3PO4 | 0.012 | 0.051 | 0.051 | 0.204 | 0.204 | 0.002 | 0.102 | 0.001 |
| HASO2 | 0.130 | 0.010 | 0.010 | 0.000 | 0.024 | 0.000 | - | - |
| CO2 | 13.000 | 0.293 | 0.293 | - | - | - | - | - |
| H2S | 1.340 | 0.049 | 0.049 | 0.050 | 1.870 | 0.055 | 2.550 | 0.075 |
| RN (*F=10 CHRIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 41.663 | 64.791 | 64.791 | 47.999 | 47.999 | 45.235 | 45.235 | 45.235 |
| CA/(HC03+CO3) | 0.515 | 0.196 | 0.196 | 0.143 | 0.143 | 0.135 | 0.135 | 0.135 |
| MG/CA | 0.363 | - | - | 0.499 | 0.499 | 0.268 | 0.268 | 0.268 |
| NA/CA | 3.840 | 27.449 | 27.449 | 47.085 | 47.085 | 28.628 | 28.628 | 28.628 |
| CL/(HC03+CO3) | 0.372 | 4.486 | 4.486 | 4.914 | 4.914 | 2.969 | 2.969 | 2.969 |
| CL/F | 48.230 | 262.593 | 262.593 | 733.147 | 733.147 | 152.976 | 152.976 | 152.976 |
| CL*100/(CL+S04+HC03+CO3) | 16.551 | 75.971 | 75.971 | 64.781 | 64.781 | 68.102 | 68.102 | 68.102 |
| S04*100/(CL+S04+HC03+CO3) | 42.925 | 7.094 | 7.094 | 22.037 | 22.037 | 8.964 | 8.964 | 8.964 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 44.525 | 16.935 | 16.935 | 13.183 | 13.183 | 22.934 | 22.934 | 22.934 |
| (NA+K)*100/(NA+K+CA+MG) | 64.326 | - | - | 96.976 | 96.976 | 95.908 | 95.908 | 95.908 |
| CA*100/(NA+K+CA+MG) | 33.191 | - | - | 2.018 | 2.018 | 3.278 | 3.278 | 3.278 |
| MG*100/(NA+K+CA+MG) | 4.422 | - | - | 1.006 | 1.006 | 0.814 | 0.814 | 0.814 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 55.475 | 83.065 | 83.065 | 86.817 | 86.817 | 77.066 | 77.066 | 77.066 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 44.525 | 16.935 | 16.935 | 13.183 | 13.183 | 22.934 | 22.934 | 22.934 |
| (NA+K)*100/(NA+K+CA+MG) | 64.326 | - | - | 96.976 | 96.976 | 95.908 | 95.908 | 95.908 |
| (CA+MG)*100/(NA+K+CA+MG) | 31.614 | - | - | 3.024 | 3.024 | 4.092 | 4.092 | 4.092 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC193 | SYC194 | SYC195 | SYC196 |
|----------------------------------|---------|----------|---------|---------|
| NO | 46.0 | 50.5 | 41.0 | 46.0 |
| TEMP | 640.000 | 1084.000 | 350.000 | 408.000 |
| TSM | 8.40 | 8.40 | 8.20 | 8.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 5.000 | 10.000 | 10.000 | 5.000 |
| NA | 120.000 | 320.000 | 37.000 | 120.000 |
| NH4 | - | - | - | - |
| CA | 6.070 | 12.100 | 32.400 | 6.070 |
| MG | 1.220 | 3.300 | 11.000 | 1.220 |
| FE | 0.225 | 0.398 | 1.600 | 0.100 |
| MN | - | - | - | - |
| ZN | - | 0.003 | 0.000 | - |
| CU | - | - | 0.012 | - |
| PH | - | - | 0.020 | - |
| AL | 14.000 | 14.200 | 3.000 | 0.005 |
| CL | 202.000 | 422.000 | 39.000 | 85.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.000 | 1.000 | 0.110 | 0.470 |
| OH | 45.000 | 61.000 | 31.000 | 67.000 |
| SO4 | - | - | - | - |
| S2O3 | - | - | - | - |
| HCO3 | 210.000 | 207.000 | 133.000 | 120.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 92.316 | 76.161 | 60.005 | 33.849 |
| HR02 | 22.000 | 22.000 | 19.000 | 18.000 |
| H3PO4 | 0.143 | 0.153 | 0.225 | 0.411 |
| HAS02 | - | - | 0.057 | 0.002 |
| CO2 | - | - | - | - |
| H2S | 1.870 | 2.210 | 1.020 | 2.380 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 61.200 | 54.416 | 6.292 | 40.813 |
| CA/(HCO3+CO3) | 4.028 | 0.178 | 0.539 | 0.154 |
| MG/GA | 0.331 | 0.450 | 0.560 | 0.331 |
| NA/GA | 25.851 | 23.054 | 0.986 | 17.234 |
| CL/(HCO3+CO3) | 1.656 | 3.509 | 0.367 | 1.219 |
| CL/F | 106.253 | 226.152 | 190.002 | 96.919 |
| CL*100/(CL+SO4+HCO3+CO3) | 57.740 | 71.856 | 23.186 | 41.632 |
| SO4*100/(CL+SO4+HCO3+CO3) | 7.334 | 7.666 | 13.602 | 24.219 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 34.876 | 20.478 | 63.211 | 34.148 |
| (NA+K)*100/(NA+K+CA+MG) | 95.177 | 94.184 | 42.516 | 92.988 |
| CA*100/(NA+K+CA+MG) | 3.623 | 4.012 | 36.851 | 5.267 |
| MG*100/(NA+K+CA+MG) | 1.201 | 1.804 | 20.632 | 1.746 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 65.124 | 79.522 | 36.789 | 65.852 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 34.876 | 20.478 | 63.211 | 34.148 |
| (NA+K)*100/(NA+K+CA+MG) | 95.177 | 94.184 | 42.516 | 92.988 |
| (CA+MG)*100/(NA+K+CA+MG) | 4.823 | 5.816 | 57.484 | 7.012 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC201 | | SYC202 | | SYC203 | | SYC204 | |
|--------------------------------------|---------|----------|----------|----------|----------|----------|----------|--|
| | 48.0 | 48.0 | 48.0 | 48.0 | 53.0 | 48.0 | 48.0 | |
| TEMP | 694.000 | 1358.000 | 1358.000 | 1358.000 | 4140.000 | 1422.000 | 1422.000 | |
| PH(FD) | 8.23 | 8.20 | 8.20 | 8.20 | 7.80 | 8.40 | 8.40 | |
| PH(LR) | - | - | - | - | - | - | - | |
| H (MG/KG)(MIL/PC) | - | - | - | - | - | - | - | |
| K | 7.000 | 9.179 | 18.000 | 0.460 | 57.000 | 17.000 | 0.435 | |
| NA | 167.000 | 7.265 | 441.000 | 19.184 | 1333.000 | 478.000 | 20.793 | |
| NH4 | - | - | - | - | - | - | - | |
| CA | 14.100 | 0.704 | 12.100 | 0.604 | 81.000 | 12.100 | 0.604 | |
| MG | 2.450 | 0.202 | 2.450 | 0.202 | 1.220 | 2.450 | 0.202 | |
| FE | 0.132 | 0.005 | 0.135 | 0.007 | 0.526 | 0.150 | 0.005 | |
| MN | - | - | - | - | 0.309 | - | - | |
| ZN | - | - | - | - | - | - | - | |
| CU | 0.004 | 0.000 | - | - | 0.007 | 0.008 | 0.000 | |
| PR | 5.100 | 0.567 | 4.500 | 0.500 | 12.000 | 4.500 | 0.500 | |
| AL | - | - | - | - | - | - | - | |
| Cl | 199.000 | 5.078 | 532.000 | 15.008 | 1594.000 | 589.000 | 16.616 | |
| Br | - | - | - | - | - | - | - | |
| I | 0.500 | 0.026 | 0.240 | 0.013 | - | 0.480 | 0.025 | |
| F | 65.000 | 0.531 | 76.800 | 1.661 | 636.000 | 90.000 | 1.874 | |
| S04 | 199.000 | 3.098 | 263.000 | 4.294 | 469.000 | 249.000 | 4.081 | |
| HC03 | - | - | - | - | - | - | - | |
| C03 | - | - | - | - | - | - | - | |
| ST02 (MG/KG)(MMDL/KG) | 54.466 | 0.907 | 76.468 | 1.273 | 130.012 | 76.930 | 1.281 | |
| HR02 | 22.400 | 0.511 | 24.600 | 0.561 | 49.200 | 24.600 | 0.561 | |
| H3P04 | 0.038 | 0.000 | 0.163 | 0.002 | 0.192 | 0.082 | 0.001 | |
| HAS02 | 0.006 | 0.000 | 0.013 | 0.000 | 0.006 | 0.012 | 0.000 | |
| C02 | - | - | - | - | 22.000 | - | - | |
| H2S | 1.530 | 0.045 | 1.360 | 0.040 | 1.350 | 1.190 | 0.035 | |
| RN (#F-10 CURTE/L) | - | - | - | - | - | - | - | |
| NA/K | 40.570 | 41.663 | 39.769 | 47.815 | 0.526 | 0.148 | 0.148 | |
| CA/(HC03+C02) | 0.207 | 0.141 | 0.334 | 0.334 | 0.025 | 0.334 | 0.334 | |
| MG/GA | - | - | - | - | - | - | - | |
| NA/CA | 10.325 | 31.772 | 14.306 | 34.437 | 14.306 | 34.437 | 34.437 | |
| CL/(HC03+C03) | 1.639 | 3.495 | 5.703 | 4.071 | 5.703 | 4.071 | 4.071 | |
| CL/F | 1.9.926 | 1187.921 | - | 657.599 | - | 657.599 | 657.599 | |
| CL*100/(CL+S04+HC03+C03) | 58.302 | 71.590 | 67.686 | 73.617 | 67.686 | 73.617 | 73.617 | |
| S04*100/(CL+S04+HC03+C02) | 5.986 | 7.925 | 20.445 | 8.302 | 20.445 | 8.302 | 8.302 | |
| (HC03+C03)*100/(CL+S04+HC03+C02+C03) | 35.622 | 20.484 | 11.869 | 18.082 | 11.869 | 18.082 | 18.082 | |
| (NA+K)*100/(NA+K+CA+MG) | - | 96.061 | 93.486 | 96.345 | 93.486 | 96.345 | 96.345 | |
| CA*100/(NA+K+CA+MG) | - | 2.953 | 6.557 | 2.740 | 6.557 | 2.740 | 2.740 | |
| MG*100/(NA+K+CA+MG) | - | 0.986 | 0.158 | 0.915 | 0.158 | 0.915 | 0.915 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 64.378 | 79.516 | 89.131 | 81.918 | 89.131 | 81.918 | 81.918 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 35.622 | 20.484 | 11.869 | 18.082 | 11.869 | 18.082 | 18.082 | |
| (NA+K)*100/(NA+K+CA+MG) | - | 96.061 | 93.486 | 96.345 | 93.486 | 96.345 | 96.345 | |
| (CA+MG)*100/(NA+K+CA+MG) | - | 3.939 | 6.514 | 3.655 | 6.514 | 3.655 | 3.655 | |

第2-2表 支笏・洞爺地域水質一覽表 (つづき)

| NO | SYC205 | SYC206 | SYC207 | SYC208 |
|----------------------------------|----------|---------|---------|---------|
| TEMP | 63.0 | 57.0 | 53.0 | 57.0 |
| TSM | 5174.000 | 779.000 | 769.000 | 681.000 |
| PH(FD) | 8.20 | 8.00 | 7.60 | 7.80 |
| PH(CB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 20.000 | 2.046 | 0.205 | 0.240 |
| NA | 1729.000 | 75.212 | 9.005 | 8.657 |
| NH4 | - | - | 199.000 | - |
| CA | 164.000 | 8.184 | 40.580 | 2.025 |
| MG | 7.550 | 0.605 | 0.172 | 0.086 |
| FE | 0.510 | 0.018 | 0.016 | 0.050 |
| MN | 0.130 | 0.005 | 1.392 | 0.224 |
| ZN | - | - | 0.003 | 0.000 |
| CU | - | - | 0.001 | 0.000 |
| PB | - | - | - | 0.004 |
| AL | - | 3.400 | 0.378 | 1.680 |
| CL | 273.000 | 77.098 | 156.000 | 4.401 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 2.400 | 0.126 | 1.040 | 1.080 |
| OH | - | - | - | - |
| S04 | 277.000 | 5.975 | 275.000 | 5.726 |
| S203 | - | - | - | - |
| HC03 | 180.000 | 2.950 | 64.700 | 1.060 |
| C03 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 184.079 | 3.305 | 74.622 | 1.242 |
| HR02 | 94.000 | 2.145 | 40.000 | 0.913 |
| H3P04 | 0.153 | 0.002 | 0.715 | 0.007 |
| HAS02 | 0.030 | 0.000 | 1.398 | 0.013 |
| C02 | - | - | - | - |
| H2S | 0.510 | 1.015 | 2.890 | 0.085 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 56.753 | 44.002 | 35.001 | 45.584 |
| CA/(HC03+C03) | 2.774 | 0.998 | 1.910 | 1.364 |
| MG/CA | 0.074 | 0.133 | 0.042 | 0.030 |
| NA/CA | 9.191 | 6.267 | 4.275 | 5.905 |
| CL/(HC03+C03) | 16.133 | 2.941 | 4.150 | 3.843 |
| CL/F | 610.261 | 30.145 | 80.386 | 70.461 |
| CL*100/(CL+S04+HC03+C03) | 79.674 | 34.901 | 39.339 | 39.228 |
| S04*100/(CL+S04+HC03+C03) | 6.945 | 53.253 | 51.181 | 50.564 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.430 | 11.866 | 9.479 | 10.208 |
| (NA+K)*100/(NA+K+CA+MG) | 49.786 | 86.280 | 80.826 | 85.420 |
| CA*100/(NA+K+CA+MG) | 9.511 | 12.109 | 18.396 | 14.154 |
| MG*100/(NA+K+CA+MG) | 0.703 | 1.611 | 0.777 | 0.426 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 96.570 | 88.134 | 90.521 | 89.792 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.430 | 11.866 | 9.479 | 10.208 |
| (NA+K)*100/(NA+K+CA+MG) | 89.786 | 86.280 | 80.826 | 85.420 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.214 | 13.720 | 19.174 | 14.580 |

第2-2表 支笏・洞爺地獄水質一覽表（つづき）

| NO | SYC209 | | | SYC210 | | | SYC211 | | | SYC212 | | |
|----------------------------------|---------|-------|--------|---------|--------|--------|---------|-------|--------|---------|--------|--------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) |
| H (MG/KG) (MVAL/%G) | | | | | | | | | | | | |
| K | 2.000 | 0.051 | 0.051 | 11.000 | 0.281 | 0.281 | 7.500 | 0.192 | 0.192 | 11.500 | 0.294 | 0.294 |
| NA | 40.000 | 1.740 | 1.740 | 385.000 | 16.748 | 16.748 | 47.500 | 2.066 | 2.066 | 380.000 | 16.530 | 16.530 |
| NH4 | 1.700 | 0.085 | 0.085 | 6.900 | 0.344 | 0.344 | 5.100 | 0.254 | 0.254 | 6.900 | 0.344 | 0.344 |
| CA | 0.750 | 0.027 | 0.027 | 0.090 | 0.003 | 0.003 | 0.060 | 0.002 | 0.002 | 0.060 | 0.002 | 0.002 |
| MG | 0.040 | 0.001 | 0.001 | 0.180 | 0.007 | 0.007 | 0.030 | 0.001 | 0.001 | 0.150 | 0.005 | 0.005 |
| FF | 0.001 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 |
| MN | 11.600 | 1.290 | 1.290 | 2.500 | 0.278 | 0.278 | 7.400 | 0.823 | 0.823 | 3.900 | 0.434 | 0.434 |
| ZN | 12.400 | 0.350 | 0.350 | 482.800 | 13.620 | 13.620 | 7.100 | 0.200 | 0.200 | 482.800 | 13.620 | 13.620 |
| AL | 1.320 | 0.069 | 0.069 | 1.320 | 0.069 | 0.069 | 0.700 | 0.037 | 0.037 | 1.840 | 0.097 | 0.097 |
| CL | 40.900 | 0.852 | 0.852 | 47.700 | 0.993 | 0.993 | 23.900 | 0.498 | 0.498 | 54.300 | 1.131 | 1.131 |
| BR | 115.200 | 1.833 | 1.833 | 179.900 | 2.949 | 2.949 | 159.200 | 2.609 | 2.609 | 200.600 | 3.288 | 3.288 |
| I | 67.314 | 1.121 | 1.121 | 168.548 | 1.807 | 1.807 | 34.388 | 0.573 | 0.573 | 106.548 | 1.774 | 1.774 |
| OH | 13.400 | 0.306 | 0.306 | 31.300 | 0.714 | 0.714 | 15.600 | 0.356 | 0.356 | 26.800 | 0.612 | 0.612 |
| S04 | 0.531 | 0.005 | 0.005 | 0.061 | 0.001 | 0.001 | 0.163 | 0.002 | 0.002 | 0.092 | 0.001 | 0.001 |
| S203 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| HC03 | 1.530 | 0.045 | 0.045 | 1.530 | 0.045 | 0.045 | 0.860 | 0.025 | 0.025 | 1.530 | 0.045 | 0.045 |
| CO3 | | | | | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HR02 | 34.011 | 0.045 | 0.045 | 59.519 | 0.117 | 0.117 | 10.770 | 0.098 | 0.098 | 56.192 | 0.105 | 0.105 |
| H3PO4 | 20.512 | 0.185 | 0.185 | 48.641 | 0.619 | 0.619 | 8.119 | 0.077 | 0.077 | 48.009 | 0.612 | 0.612 |
| HAS02 | 5.034 | 0.007 | 0.007 | 196.011 | 5.034 | 5.034 | 5.436 | 0.077 | 0.077 | 140.617 | 5.034 | 5.034 |
| CO2 | | | | | | | | | | | | |
| H2S | | | | | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | | | | | | | | | | | | |
| CA/(HC03+CO3) | | | | | | | | | | | | |
| MG/CA | | | | | | | | | | | | |
| NA/CA | | | | | | | | | | | | |
| CL/(HC03+CO3) | | | | | | | | | | | | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| S04*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | | | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | | | | | | | | | | | | |

第2-2表 支笏・洞爺地域水質一覽表(つづき)

| | SYC213 | | SYC214 | | SYC215 | | SYC216 | |
|----------------------------------|---------|-------|----------|--------|---------|--------|---------|-------|
| NO | 41.0 | | 43.0 | | 64.0 | | 44.0 | |
| TEMP | 226.000 | | 3020.000 | | 952.000 | | 784.000 | |
| TSM | 8.40 | | 7.80 | | 7.60 | | 5.80 | |
| PH(FD) | - | | - | | - | | - | |
| PH(LB) | - | | - | | - | | - | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 2.600 | 0.067 | 67.000 | 1.714 | 6.000 | 0.153 | 20.000 | 0.512 |
| NA | 37.000 | 1.610 | 980.000 | 42.630 | 235.000 | 10.223 | 110.000 | 4.785 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 6.900 | 0.344 | 15.500 | 0.773 | 58.700 | 2.929 | 75.900 | 3.787 |
| MG | - | - | 3.300 | 0.683 | 10.100 | 0.831 | 14.600 | 1.201 |
| FE | 0.120 | 0.004 | 6.700 | 0.240 | 0.180 | 0.006 | 0.810 | 0.029 |
| MN | 0.150 | 0.005 | 0.390 | 0.014 | 0.075 | 0.003 | 0.550 | 0.020 |
| ZN | - | - | 0.004 | 0.000 | 0.058 | 0.002 | 0.001 | 0.000 |
| CU | 0.002 | 0.000 | 0.005 | 0.000 | 0.002 | 0.000 | - | - |
| PB | 0.006 | 0.000 | - | - | 0.004 | 0.000 | - | - |
| AL | 0.430 | 0.048 | 16.000 | 1.779 | 8.300 | 0.923 | 4.300 | 0.478 |
| CL | 21.400 | 0.604 | 960.000 | 27.082 | 180.300 | 5.086 | 133.100 | 3.755 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 0.920 | 0.048 | 0.640 | 0.034 | 3.200 | 0.168 | 0.260 | 0.014 |
| OH | - | - | - | - | - | - | - | - |
| S04 | 19.300 | 0.402 | 620.300 | 12.915 | 398.200 | 8.291 | 228.200 | 4.751 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 61.800 | 1.013 | 500.000 | 8.195 | 90.200 | 1.478 | 138.400 | 2.268 |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 11.541 | 0.525 | 73.237 | 1.219 | 32.311 | 0.538 | 77.853 | 1.296 |
| HB02 | 13.400 | 0.306 | 40.300 | 0.920 | 40.300 | 0.920 | 29.100 | 0.664 |
| H3PO4 | 0.572 | 0.006 | 0.500 | 0.005 | 1.021 | 0.010 | 0.337 | 0.003 |
| HAS02 | - | - | 0.006 | 0.000 | 0.038 | 0.000 | 0.008 | 0.000 |
| CO2 | - | - | - | - | TR. | - | 149.600 | 3.399 |
| H2S | 1.190 | 0.035 | 1.530 | 0.045 | 1.700 | 0.050 | 14.100 | 0.414 |
| RN (*F=10 CHRTIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 24.200 | | 24.274 | | 66.605 | | 9.353 | |
| CA/(HC03+CO3) | 0.340 | | 0.094 | | 1.981 | | 1.670 | |
| MG/CA | - | | 0.883 | | 0.284 | | 0.317 | |
| NA/CA | 4.675 | | 55.117 | | 3.490 | | 1.263 | |
| CL/(HC03+CO3) | 0.596 | | 3.305 | | 3.440 | | 1.655 | |
| CL/F | 12.466 | | 803.856 | | 30.195 | | 274.342 | |
| CL*100/(CL+S04+HC03+CO3) | 29.909 | | 56.196 | | 34.239 | | 34.849 | |
| S04*100/(CL+S04+HC03+CO3) | 19.908 | | 26.789 | | 55.809 | | 44.097 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.183 | | 17.005 | | 9.952 | | 21.054 | |
| (NA+K)*100/(NA+K+CA+MG) | - | | 96.820 | | 73.400 | | 51.496 | |
| CA*100/(NA+K+CA+MG) | - | | 1.689 | | 20.721 | | 36.823 | |
| MG*100/(NA+K+CA+MG) | - | | 1.491 | | 5.879 | | 11.681 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 49.817 | | 82.995 | | 90.048 | | 78.946 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.183 | | 17.005 | | 9.952 | | 21.054 | |
| (NA+K)*100/(NA+K+CA+MG) | - | | 96.820 | | 73.400 | | 51.496 | |
| (CA+MG)*100/(NA+K+CA+MG) | - | | 3.180 | | 26.600 | | 48.504 | |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC217 | | SYC218 | | SYC219 | | SYC220 | |
|----------------------------------|----------|----------|----------|---------|----------|----------|----------|----------|
| NO | 95.0 | 52.0 | 52.0 | 55.5 | 58.0 | 58.0 | 58.0 | 58.0 |
| TEMP | 831.0000 | 1940.000 | 1940.000 | 662.000 | 1183.300 | 1183.300 | 1183.300 | 1183.300 |
| TSM | 8.20 | 7.00 | 7.00 | 8.40 | 8.60 | 8.60 | 8.60 | 8.60 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MUAL/KG) | | | | | | | | |
| K | 10.000 | 3.256 | 33.000 | 0.844 | 19.000 | 0.486 | 10.000 | 0.256 |
| NA | 240.000 | 10.440 | 622.000 | 27.057 | 188.000 | 8.178 | 415.000 | 18.053 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 27.600 | 1.377 | 17.270 | 0.862 | 5.180 | 0.258 | 6.040 | 0.301 |
| MC | 3.140 | 0.258 | 0.0 | - | - | - | - | - |
| FE | 0.129 | 0.007 | 0.460 | 0.016 | 0.310 | 0.011 | 0.037 | 0.001 |
| MN | 0.100 | 0.004 | 0.130 | 0.005 | - | - | 0.300 | 0.011 |
| TP | - | - | 0.061 | 0.002 | - | - | - | - |
| CN | - | - | 0.0 | - | 0.022 | 0.001 | 0.002 | 0.000 |
| CU | - | - | 0.0 | - | 0.010 | 0.000 | - | - |
| PB | 2.700 | 0.300 | 7.800 | 0.867 | 6.100 | 0.678 | 1.300 | 0.145 |
| AL | - | - | - | - | - | - | - | - |
| CL | 122.000 | 5.134 | 756.000 | 21.327 | 128.000 | 3.611 | 530.000 | 14.951 |
| HR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 2.900 | 0.153 | 1.300 | 0.068 | 0.900 | 0.047 | 2.120 | 0.112 |
| OH | - | - | - | - | - | - | - | - |
| S04 | 255.000 | 6.142 | 85.300 | 1.776 | 31.600 | 0.658 | 44.800 | 0.933 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 69.500 | 1.139 | 396.000 | 6.490 | 323.000 | 5.294 | 171.000 | 2.803 |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HBO2 | 83.034 | 1.383 | 192.325 | 3.202 | 123.857 | 2.062 | 170.015 | 2.831 |
| H3PO4 | 26.900 | 0.614 | 52.200 | 1.328 | 26.800 | 0.612 | 22.400 | 0.511 |
| HASO2 | 0.408 | 0.004 | 0.092 | 0.001 | 1.144 | 0.012 | 0.020 | 0.000 |
| CO2 | 1.576 | 0.015 | 0.003 | 0.000 | - | - | 0.024 | 0.000 |
| H2S | 2.890 | 0.035 | 2.890 | 0.085 | 2.550 | 0.075 | 2.350 | 0.069 |
| RN (*F=10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 40.813 | 32.053 | 16.826 | 70.573 | 0.108 | 0.108 | 70.573 | 0.108 |
| CA/(HC03+C03) | 1.209 | 0.133 | 0.049 | 0.049 | - | - | - | - |
| MG/CA | 0.188 | 0.0 | 0.0 | - | - | - | - | - |
| NA/CA | 7.540 | 31.397 | 31.639 | 59.896 | 59.896 | 59.896 | 59.896 | 59.896 |
| CL/(HC03+C03) | 4.507 | 3.266 | 311.649 | 0.682 | 76.217 | 133.976 | 133.976 | 133.976 |
| CL/F | 33.633 | 311.649 | 311.649 | 76.217 | 76.217 | 133.976 | 133.976 | 133.976 |
| CL*100/(CL+504+HC03+C03) | 41.354 | 72.067 | 72.067 | 37.760 | 80.010 | 80.010 | 80.010 | 80.010 |
| S04*100/(CL+S04+HC03+C03) | 49.471 | 6.001 | 6.001 | 6.880 | 4.991 | 4.991 | 4.991 | 4.991 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.175 | 21.932 | 21.932 | 55.360 | 14.998 | 14.998 | 14.998 | 14.998 |
| (NA+K)*100/(NA+K+CA+MG) | 86.736 | 97.004 | 97.004 | - | - | - | - | - |
| CA*100/(NA+K+CA+MG) | 11.169 | 2.596 | 2.596 | - | - | - | - | - |
| MG*100/(NA+K+CA+MG) | 2.095 | 0.0 | 0.0 | - | - | - | - | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90.825 | 78.068 | 78.068 | 44.640 | 85.002 | 85.002 | 85.002 | 85.002 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.175 | 21.932 | 21.932 | 55.360 | 14.998 | 14.998 | 14.998 | 14.998 |
| (NA+K)*100/(NA+K+CA+MG) | 86.736 | 97.004 | 97.004 | - | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | 13.264 | 2.596 | 2.596 | - | - | - | - | - |

第2-2表 支笏・海龍地域水質一覽表(つづき)

| | SYC221 | SYC222 | SYC223 | SYC224 |
|----------------------------------|----------|-----------|-----------|---------|
| NO | 52.3 | 49.0 | 49.0 | 43.6 |
| TEMP | 704.350 | 1,214.700 | 1,178.500 | 608.850 |
| TSM | 8.60 | 8.60 | 8.60 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 7.000 | 0.179 | 0.384 | 0.333 |
| NA | 240.000 | 10.440 | 13.270 | 18.401 |
| NH4 | - | - | - | - |
| CA | 5.180 | 0.258 | 0.474 | 0.344 |
| MG | - | - | - | - |
| FE | 0.129 | 0.005 | 0.020 | 0.011 |
| MN | 0.400 | 0.015 | 0.009 | 0.013 |
| ZN | - | - | - | - |
| CU | - | - | 0.014 | 0.000 |
| PB | - | - | - | 0.009 |
| AL | 4.100 | 0.456 | 0.801 | 0.267 |
| CL | 270.000 | 583.000 | 16.418 | 5.250 |
| BR | - | - | 583.000 | 71.000 |
| I | - | - | - | 2.003 |
| F | 1.000 | 0.057 | 1.000 | 0.330 |
| OH | - | - | - | 0.017 |
| S04 | 47.700 | 0.993 | 1.618 | 187.300 |
| S203 | - | - | - | 3.900 |
| HC03 | 1.63.000 | 2.672 | 104.000 | 131.200 |
| C03 | - | - | - | 2.150 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 112.318 | 1.870 | 143.859 | 96.624 |
| H3P04 | 13.400 | 0.306 | 0.408 | 17.900 |
| HAS02 | 0.123 | 0.001 | 0.000 | 0.153 |
| C02 | - | - | - | 0.597 |
| H2S | 1.700 | 0.050 | - | 4.400 |
| RI (*E-10 CURIE/L) | - | - | - | 0.510 |
| NA/K | 58.304 | 47.615 | 55.333 | 21.760 |
| CA/(HC03+C03) | 0.097 | 0.256 | 0.202 | 0.802 |
| MG/CA | - | - | - | 0.200 |
| NA/CA | 40.390 | 38.581 | 53.442 | 3.003 |
| CL/(HC03+C03) | 2.851 | 8.865 | 9.682 | 0.931 |
| CL/F | 133.876 | 311.896 | 313.504 | 115.301 |
| CL*100/(CL+S04+HC03+C03) | 67.516 | 82.553 | 85.339 | 24.872 |
| S04*100/(CL+S04+HC03+C03) | 8.803 | 8.134 | 5.846 | 48.425 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.681 | 9.312 | 9.815 | 26.703 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 72.366 |
| CA*100/(NA+K+CA+MG) | - | - | - | 23.036 |
| MG*100/(NA+K+CA+MG) | - | - | - | 4.597 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 76.319 | 90.688 | 91.185 | 73.297 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.681 | 9.312 | 9.815 | 26.703 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | 72.366 |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | 27.634 |

第2-2表 支笏・洞爺湖地下水質一覽表(つづき)

| NO | SYC225 | | SYC226 | | SYC227 | | SYC228 | |
|---------|---------|---------|----------|----------|----------|---------|----------|---------|
| | TEMP | PH(CFD) | TEMP | PH(CFD) | TEMP | PH(CFD) | TEMP | PH(CFD) |
| 76.2 | 639.900 | 4.80 | 34.2 | 1690.000 | 9.00 | 60.5 | 3005.000 | 8.40 |
| 136.000 | 9.200 | 5.916 | 1.000 | 0.235 | 79.000 | 73.000 | 10.000 | 0.256 |
| 37.990 | 1.896 | 0.430 | 388.300 | 19.376 | 1134.000 | 5.804 | 6.753 | 0.337 |
| 5.230 | 0.430 | 0.013 | 3.837 | 0.316 | 1.919 | 0.158 | 0.117 | 0.004 |
| 0.150 | 0.013 | 0.017 | 0.102 | 0.004 | 0.065 | 0.002 | 0.140 | 0.004 |
| 0.460 | 0.017 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17.300 | 1.924 | 0.694 | 6.239 | 0.144 | 18.000 | 0.016 | 5.996 | 0.667 |
| 145.300 | 5.509 | 0.401 | 14.200 | 1543.000 | 46.349 | 582.200 | 15.424 | 0.056 |
| 9.200 | 0.013 | 0.021 | 0.402 | 2.240 | 0.118 | 1.060 | 61.220 | 1.275 |
| 272.200 | 4.626 | 22.819 | 1096.000 | 43.030 | 0.896 | 178.200 | 2.921 | 0.055 |
| 17.100 | 0.280 | 1.100 | 67.100 | 262.300 | 4.299 | 153.014 | 2.681 | 0.600 |
| 16.655 | 0.277 | 0.932 | 56.005 | 161.014 | 2.681 | 26.280 | 0.151 | 0.002 |
| 89.600 | 2.045 | 0.200 | 8.760 | 76.670 | 1.750 | 0.097 | 0.000 | 0.000 |
| 0.265 | 0.003 | 0.097 | 0.000 | 0.097 | 0.001 | 0.032 | 0.000 | 0.000 |
| 0.334 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 52.800 | 1.200 | 0.062 | 2.125 | 1.530 | 0.045 | 1.870 | 0.045 | 0.055 |
| 13.940 | 0.409 | 0.062 | 2.125 | 1.530 | 0.045 | 1.870 | 0.045 | 0.055 |
| 25.159 | 6.764 | 5.227 | 134.343 | 17.618 | 0.067 | 26.417 | 75.844 | 0.115 |
| 6.764 | 5.227 | 0.016 | 17.618 | 0.016 | 0.545 | 170.323 | 57.574 | 5.623 |
| 3.121 | 3.121 | 0.177 | 0.177 | 0.177 | 0.177 | 10.781 | 294.343 | 79.653 |
| 13.658 | 418.608 | 18.930 | 18.930 | 393.076 | 89.921 | 79.653 | 6.182 | 14.165 |
| 52.894 | 44.415 | 2.691 | 1.647 | 93.831 | 1.738 | 1.738 | 14.165 | 85.835 |
| 44.415 | 2.691 | 4.522 | 93.831 | 4.522 | 9.341 | 9.341 | 85.835 | 14.165 |
| 72.561 | 2.362 | 5.077 | 14.952 | 83.684 | 0.561 | 99.133 | 85.835 | 14.165 |
| 2.362 | 5.077 | 1.364 | 83.684 | 1.364 | 0.306 | 0.306 | 85.835 | 14.165 |
| 97.309 | 2.691 | 95.478 | 95.478 | 4.522 | 91.659 | 91.659 | 85.835 | 14.165 |
| 2.691 | 95.478 | 4.522 | 4.522 | 91.659 | 91.659 | 91.659 | 85.835 | 14.165 |
| 72.561 | 2.362 | 5.077 | 14.952 | 83.684 | 0.561 | 99.133 | 85.835 | 14.165 |
| 2.362 | 5.077 | 1.364 | 83.684 | 1.364 | 0.306 | 0.306 | 85.835 | 14.165 |
| 97.309 | 2.691 | 95.478 | 95.478 | 4.522 | 91.659 | 91.659 | 85.835 | 14.165 |
| 2.691 | 95.478 | 4.522 | 4.522 | 91.659 | 91.659 | 91.659 | 85.835 | 14.165 |
| 72.561 | 2.362 | 5.077 | 14.952 | 83.684 | 0.561 | 99.133 | 85.835 | 14.165 |
| 2.362 | 5.077 | 1.364 | 83.684 | 1.364 | 0.306 | 0.306 | 85.835 | 14.165 |

第2-2表 支笏・洞爺地域水質一覧表（つづき）

| | SYC229 | SYC230 | SYC231 | SYC232 |
|----------------------------------|----------|---------|----------|----------|
| NO | 52.0 | 52.5 | 34.2 | 52.4 |
| TEMP | 1174.000 | 723.000 | 1732.000 | 732.000 |
| TSM | 8.40 | 2.66 | 9.00 | 5.50 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 9.300 | 2.190 | 2.173 | 17.500 |
| NA | 432.000 | 8.328 | 0.213 | 0.026 |
| NH4 | 18.792 | 65.328 | 2.844 | 3.693 |
| CA | 8.441 | - | - | - |
| MG | 0.297 | 37.140 | 1.853 | 19.855 |
| FE | - | 6.030 | 0.496 | 0.224 |
| MN | - | 6.850 | 0.245 | 0.004 |
| ZN | - | 0.770 | 0.108 | 0.094 |
| CU | - | 0.030 | 0.340 | 1.114 |
| PB | 0.016 | 0.000 | 0.003 | 0.000 |
| AL | 5.595 | 1.275 | 0.012 | 0.0 |
| | | 44.520 | 4.950 | 6.225 |
| CL | 542.200 | 142.000 | 4.006 | 134.900 |
| BR | - | - | - | - |
| I | 1.400 | 0.480 | 0.025 | 0.060 |
| OH | 34.150 | 421.700 | 3.780 | 213.900 |
| S04 | 176.300 | - | 67.100 | 112.900 |
| HCO3 | - | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 27.008 | 56.915 | 0.947 | 174.016 |
| HB02 | 17.520 | 78.940 | 1.799 | 32.850 |
| H3PO4 | 0.047 | 0.214 | 0.002 | 0.398 |
| HAS02 | - | 0.219 | 0.002 | 0.007 |
| CO2 | - | - | - | 176.000 |
| H2S | 1.445 | 3.825 | 0.112 | 0.999 |
| HN (*F-10 CURIE/L) | - | - | - | 0.417 |
| NA/K | 74.963 | 13.363 | 144.376 | 9.883 |
| CA/(HCO3+CO3) | 0.145 | - | 18.054 | 1.821 |
| MG/CA | 44.615 | 0.268 | 0.011 | 0.337 |
| NA/CA | 5.654 | 1.555 | 0.186 | 1.313 |
| CL/(HCO3+CO3) | 222.860 | 158.538 | 9.455 | 2.057 |
| CL/F | - | - | 11.061 | 1204.891 |
| CL*100/(CL+S04+HCO3+CO3) | 52.019 | - | 2.045 | 37.644 |
| S04*100/(CL+S04+HCO3+CO3) | 3.551 | - | 93.462 | 44.052 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 14.430 | - | 4.492 | 18.304 |
| (NA+K)*100/(NA+K+CA+MG) | - | 56.542 | 15.626 | 51.948 |
| CA*100/(NA+K+CA+MG) | - | 34.280 | 83.431 | 35.933 |
| MG*100/(NA+K+CA+MG) | - | 9.178 | 0.943 | 12.118 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 35.570 | - | 95.503 | 81.696 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 14.430 | - | 4.492 | 18.304 |
| (NA+K)*100/(NA+K+CA+MG) | - | 56.542 | 15.626 | 51.948 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 43.458 | 84.374 | 48.052 |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| | SYC233 | | SYC234 | | SYC235 | | SYC236 | |
|----------------------------------|---------|----------|----------|----------|----------|--------|---------|----------|
| | 45.0 | 35.0 | 54.0 | 48.0 | 1912.000 | 54.0 | 48.0 | 2295.000 |
| TEMP | 722.000 | 1348.000 | 1912.000 | 2295.000 | 7.40 | 7.40 | 8.20 | 8.20 |
| PH(FD) | 5.40 | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 17.000 | 0.435 | 14.300 | 0.379 | 17.800 | 0.455 | 38.000 | 0.972 |
| NA | 89.700 | 3.902 | 359.000 | 15.617 | 506.200 | 22.020 | 824.000 | 35.844 |
| NH4 | | | | | | | | |
| CA | 67.530 | 3.370 | 55.710 | 2.780 | 48.960 | 2.443 | 8.440 | 0.421 |
| MG | 7.160 | 0.589 | 28.640 | 2.357 | 53.200 | 4.378 | 2.040 | 0.168 |
| FE | 0.143 | 0.005 | 1.985 | 0.071 | 0.736 | 0.026 | 0.028 | 0.001 |
| MN | 0.990 | 0.036 | 0.335 | 0.012 | 0.385 | 0.014 | 0.300 | 0.011 |
| ZN | 0.0 | | 0.006 | 0.000 | 0.010 | 0.000 | | |
| CU | 0.0 | | | | | | | |
| PR | 0.012 | 0.000 | | | 0.001 | 0.000 | | |
| AL | 4.650 | 0.517 | 1.990 | 0.221 | 3.063 | 0.341 | 0.705 | 0.078 |
| CL | 143.300 | 4.057 | 278.700 | 7.862 | 149.100 | 4.206 | 868.000 | 24.486 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.060 | 0.003 | 0.440 | 0.023 | 0.760 | 0.040 | 0.760 | 0.040 |
| OH | | | | | | | | |
| S04 | 179.800 | 3.743 | 309.200 | 6.438 | 720.900 | 15.009 | 315.700 | 6.573 |
| S203 | | | | | | | | |
| HC03 | 64.070 | 1.050 | 433.200 | 7.100 | 634.400 | 10.398 | 390.000 | 6.392 |
| C03 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 120.780 | 2.011 | 85.931 | 1.431 | 150.394 | 2.504 | 79.007 | 1.315 |
| HR02 | 39.420 | 0.900 | 26.270 | 0.599 | 34.610 | 0.790 | 40.740 | 0.930 |
| H3P04 | 0.265 | 0.003 | 0.296 | 0.003 | 0.174 | 0.002 | 0.235 | 0.002 |
| HAS02 | 0.017 | 0.000 | 0.146 | 0.001 | 0.300 | 0.003 | 0.276 | 0.003 |
| C02 | 101.200 | 2.299 | 15.400 | 0.350 | 13.640 | 0.310 | | |
| H2S | 4.930 | 0.145 | 0.935 | 0.027 | 1.428 | 0.042 | 1.394 | 0.041 |
| RN (*F=10 CURIF/L) | | | | | | | | |
| NA/K | 8.973 | 41.250 | 48.361 | 36.875 | | | | |
| CA/(HC03+C03) | 3.200 | 0.392 | 0.235 | 0.066 | | | | |
| MG/CA | 5.175 | 0.848 | 1.792 | 0.399 | | | | |
| NA/CA | 1.158 | 5.618 | 9.013 | 85.109 | | | | |
| CL/(HC03+C03) | 3.863 | 1.107 | 0.405 | 3.831 | | | | |
| CL/F | 124.334 | 339.447 | 105.136 | 612.059 | | | | |
| CL*100/(CL+S04+HC03+C03) | 45.837 | 36.739 | 14.204 | 65.382 | | | | |
| S04*100/(CL+S04+HC03+C03) | 42.298 | 30.082 | 50.684 | 17.550 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.865 | 33.179 | 35.112 | 17.068 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 53.277 | 75.692 | 76.717 | 98.425 | | | | |
| CA*100/(NA+K+CA+MG) | 40.620 | 13.155 | 8.339 | 1.126 | | | | |
| MG*100/(NA+K+CA+MG) | 7.102 | 11.153 | 14.943 | 0.449 | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 88.135 | 66.821 | 64.888 | 82.932 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.865 | 33.179 | 35.112 | 17.068 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 53.277 | 75.692 | 76.717 | 98.425 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 47.773 | 24.308 | 23.283 | 1.575 | | | | |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC237 | | SYC238 | | SYC239 | | SYC240 | |
|----------------------------------|---------|-----------|-----------|----------|---------|----------|---------|----------|
| | TEMP | PH(CL:B) | TEMP | PH(CL:B) | TEMP | PH(CL:B) | TEMP | PH(CL:B) |
| H (MG/KG) (MVAL/%G) | | | | | | | | |
| K | 19.800 | 0.506 | 6.500 | 1.752 | 20.800 | 0.532 | 16.000 | 0.409 |
| NA | 286.000 | 12.441 | 8220.000 | 357.570 | 196.000 | 8.526 | 148.500 | 6.460 |
| NH4 | | | | | | | | |
| CA | 15.190 | 0.758 | 1327.000 | 66.217 | 5.060 | 0.252 | 96.230 | 4.802 |
| MG | | | 940.200 | 77.369 | | | 32.730 | 2.693 |
| FE | 0.065 | 0.072 | 6.150 | 0.220 | 0.150 | 0.005 | 0.263 | 0.009 |
| MN | 0.100 | 0.004 | 18.800 | 0.684 | 0.170 | 0.006 | 1.250 | 0.046 |
| ZN | 0.601 | 0.000 | 0.700 | 0.021 | | | 0.002 | 0.000 |
| CU | 0.001 | 0.000 | 0.025 | 0.001 | | | 0.008 | 0.000 |
| PB | 0.005 | 0.000 | 0.106 | 0.001 | 0.013 | 0.000 | | |
| AL | 3.035 | 0.337 | 32.540 | 3.618 | 11.550 | 1.284 | 11.230 | 1.249 |
| CL | 287.600 | 5.113 | 16156.000 | 455.761 | 152.700 | 4.308 | 103.000 | 2.906 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 2.800 | 0.147 | 0.666 | 0.035 | 1.020 | 0.054 | 0.560 | 0.029 |
| OH | | | | | | | | |
| S04 | 3.909 | 0.081 | 2286.000 | 47.803 | 47.490 | 0.989 | 349.200 | 7.270 |
| S203 | | | | | | | | |
| HC03 | 347.000 | 5.687 | 231.800 | 3.799 | 319.300 | 5.233 | 332.600 | 5.451 |
| C03 | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| HB02 | 153.783 | 2.560 | 171.015 | 2.847 | 154.245 | 2.568 | 57.005 | 0.949 |
| H3P04 | 36.240 | 0.600 | 13.140 | 0.300 | 30.660 | 0.700 | 21.900 | 0.500 |
| HAS02 | 0.725 | 0.007 | 0.174 | 0.002 | 1.123 | 0.011 | 0.434 | 0.004 |
| C02 | 0.015 | 0.000 | 0.017 | 0.000 | 0.016 | 0.000 | 0.236 | 0.002 |
| H2S | 2.148 | 0.062 | 2.200 | 0.050 | | | 63.360 | 1.440 |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | | | 204.066 | | 16.024 | | 15.783 | |
| CA/(HC03+C01) | 0.563 | 0.133 | 17.429 | 0.048 | | | 0.881 | |
| MG/CA | | | 1.168 | | | | 0.561 | |
| NA/CA | 15.413 | 5.400 | 5.400 | 33.767 | | | 1.345 | |
| CL/(HC03+C03) | 1.427 | 119.962 | 119.962 | 0.823 | | | 0.533 | |
| CL/F | 55.045 | 13000.104 | 13000.104 | 80.228 | | | 98.568 | |
| CL*100/(CL+S04+HC03+C03) | 55.444 | 89.829 | 89.829 | 40.910 | | | 18.593 | |
| S04*100/(CL+S04+HC03+C03) | 0.546 | 9.422 | 9.422 | 9.390 | | | 46.523 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.269 | 0.749 | 0.749 | 40.700 | | | 34.883 | |
| (NA+K)*100/(NA+K+CA+MG) | | | 71.449 | | | | 47.820 | |
| CA*100/(NA+K+CA+MG) | | | 13.167 | | | | 33.429 | |
| MG*100/(NA+K+CA+MG) | | | 15.384 | | | | 18.750 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 57.031 | 59.251 | 59.251 | 50.300 | | | 65.117 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.969 | 0.749 | 0.749 | 49.700 | | | 34.883 | |
| (NA+K)*100/(NA+K+CA+MG) | | | 71.449 | | | | 47.820 | |
| (CA+MG)*100/(NA+K+CA+MG) | | | 28.551 | | | | 52.180 | |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

| NO | SYC241 | | SYC242 | | SYC243 | | SYC244 | |
|----------------------------------|---------|---------|----------|---------|----------|----------|----------|--|
| | 54.0 | 50.0 | 36.2 | 50.3 | 50.0 | 50.0 | 50.0 | |
| TEMP | 475.000 | 475.000 | 1002.000 | 862.000 | 3086.000 | 3086.000 | 3086.000 | |
| TSM | 7.80 | 7.80 | 8.40 | 7.80 | 2.81 | 2.81 | 2.81 | |
| PH(F/D) | | | | | | | | |
| PH(L/R) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 7.750 | 0.198 | 22.000 | 0.563 | 17.000 | 0.435 | 1.550 | |
| NA | 128.000 | 5.568 | 280.000 | 12.180 | 118.950 | 5.172 | 1.752 | |
| NH4 | | | | | | | | |
| CA | 2.530 | 0.126 | 5.060 | 0.252 | 67.050 | 3.366 | 102.200 | |
| MG | | | 1.530 | 0.126 | 38.780 | 3.191 | 48.950 | |
| FE | 0.055 | 0.001 | 0.108 | 0.004 | 1.149 | 0.041 | 19.760 | |
| MN | 0.215 | 0.008 | 0.120 | 0.004 | 0.310 | 0.011 | 0.027 | |
| ZN | | | | | | | | |
| CU | 0.006 | 0.000 | 0.001 | 0.000 | 0.001 | 0.000 | 0.034 | |
| PR | | | 0.002 | 0.000 | 0.000 | 0.000 | 0.021 | |
| AL | 6.971 | 0.771 | 0.629 | 0.515 | 21.500 | 2.395 | 0.325 | |
| CL | 60.350 | 1.702 | 124.100 | 3.501 | 302.400 | 5.710 | 1491.000 | |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 2.350 | 0.124 | 2.280 | 0.120 | 0.375 | 0.020 | 0.012 | |
| OH | | | | | | | | |
| SO4 | 20.620 | 0.429 | 35.510 | 0.739 | 22.060 | 0.459 | 281.900 | |
| S2O3 | | | | | | | | |
| HC03 | 269.300 | 4.414 | 566.100 | 9.278 | 512.400 | 8.398 | 229.944 | |
| CO3 | | | | | | | | |
| ST02 (MG/KG) (MMOL/KG) | 17.792 | 2.294 | 136.012 | 2.265 | 147.015 | 2.448 | 3.829 | |
| HPO4 | 11.900 | 0.600 | 19.710 | 0.450 | 35.040 | 0.800 | 20.590 | |
| H3PO4 | 0.143 | 0.001 | 0.327 | 0.003 | 0.091 | 0.001 | 0.017 | |
| HAS02 | 0.023 | 0.009 | | | 0.018 | 0.000 | 0.000 | |
| CO2 | | | | | 6.600 | 0.150 | 1.089 | |
| H2S | 0.714 | 0.021 | 1.275 | 0.037 | 1.530 | 0.045 | 37.310 | |
| RN (*E-10 CURIE/L) | | | | | | | 0.714 | |
| NA/K | 28.066 | 21.643 | 21.643 | 11.894 | 11.894 | 18.272 | | |
| CA/(HC03+CO3) | 0.029 | 0.027 | 0.027 | 0.388 | 0.388 | | | |
| MG/CA | | 0.499 | 0.499 | 0.934 | 0.934 | 0.758 | | |
| NA/CA | 0.174 | 48.239 | 48.239 | 1.546 | 1.546 | 6.278 | | |
| CL/(HC03+CO3) | 0.376 | 0.377 | 0.377 | 0.680 | 0.680 | | | |
| CL/F | 15.762 | 29.169 | 29.169 | 289.245 | 289.245 | 3631.969 | | |
| CL*100/(CL+S04+HC03+CO3) | 26.000 | 25.897 | 25.897 | 39.196 | 39.196 | | | |
| S04*100/(CL+S04+HC03+CO3) | 6.559 | 5.469 | 5.469 | 3.153 | 3.153 | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 67.432 | 68.634 | 68.634 | 57.652 | 57.652 | | | |
| (NA+K)*100/(NA+K+CA+MG) | | 97.116 | 97.116 | 45.171 | 45.171 | 79.024 | | |
| CA*100/(NA+K+CA+MG) | | 1.924 | 1.924 | 27.551 | 27.551 | 11.934 | | |
| MG*100/(NA+K+CA+MG) | | 0.960 | 0.960 | 26.278 | 26.278 | 9.041 | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 32.568 | 31.366 | 31.366 | 42.348 | 42.348 | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 67.432 | 68.634 | 68.634 | 57.652 | 57.652 | | | |
| (NA+K)*100/(NA+K+CA+MG) | | 97.116 | 97.116 | 45.171 | 45.171 | 79.024 | | |
| (CA+MG)*100/(NA+K+CA+MG) | | 2.884 | 2.884 | 53.829 | 53.829 | 20.976 | | |

第2-2表 支笏・洞爺地域水質一覧表(つづき)

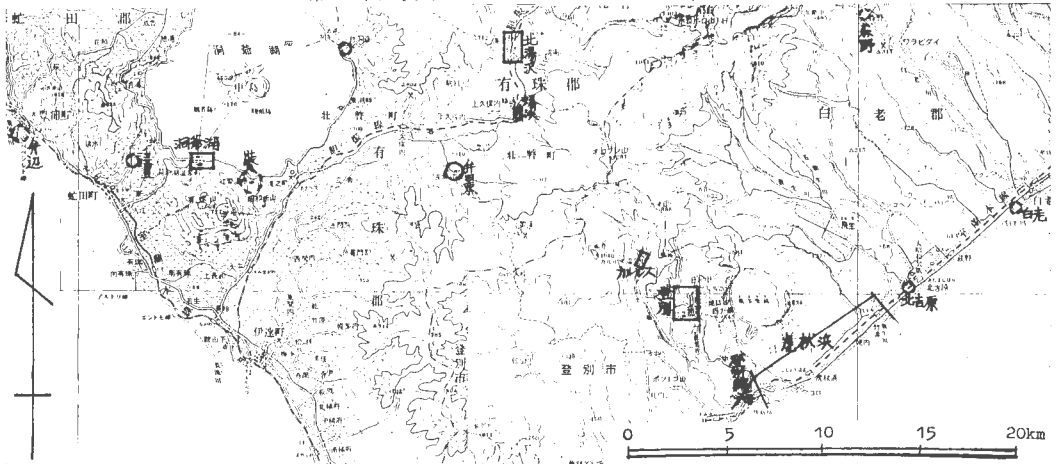
| | SYC245 | SYC246 | SYC247 | SYC248 |
|----------------------------------|----------|----------|----------|----------|
| NO | 87.0 | 52.0 | 89.0 | 49.5 |
| TEMP | 3740.000 | 1684.000 | 5449.000 | 1292.000 |
| TSM | 2.10 | 3.28 | 7.70 | 7.80 |
| PH(FD) | - | - | - | - |
| PH(CLR) | - | - | - | - |
| H (MG/KG) (MIVAL/G) | 7.941 | 0.521 | 0.517 | - |
| K | 74.500 | 33.200 | 0.849 | 28.000 |
| NA | 7.38.000 | 305.000 | 13.268 | 255.000 |
| NH4 | - | - | - | - |
| CA | 74.910 | 100.700 | 5.025 | 21.073 |
| MG | 40.000 | 23.520 | 1.220 | 97.040 |
| FE | 45.000 | 13.900 | 0.498 | 33.050 |
| MN | 1.425 | 1.125 | 0.041 | 1.410 |
| ZN | 0.010 | 1.8 | - | 0.600 |
| CU | 0.006 | 0.001 | 0.000 | - |
| PB | 0.064 | - | 0.003 | - |
| AL | 20.350 | 15.550 | 1.729 | 13.250 |
| CL | 1224.050 | 623.900 | 17.741 | 462.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.370 | 0.400 | 0.021 | 0.480 |
| OH | - | - | - | - |
| S04 | 958.210 | 293.400 | 6.109 | 61.110 |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| SI02 (MG/G) (MMOL/KG) | 276.257 | 149.244 | 2.485 | 123.780 |
| HR02 | 28.030 | 10.070 | 0.230 | 61.320 |
| H3P04 | 0.133 | 0.255 | 0.003 | 0.153 |
| HAS02 | 0.055 | 0.114 | 0.001 | 0.171 |
| CO2 | 598.000 | 265.100 | 6.023 | 4.400 |
| H2S | 2.465 | 13.870 | 0.407 | 0.255 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 16.246 | 15.622 | 16.202 | 15.487 |
| CA/(HC03+C03) | - | - | 6.689 | 0.736 |
| MG/CA | 1.761 | 0.385 | 0.058 | 0.562 |
| NA/CA | 2.588 | 2.640 | 2.580 | 2.291 |
| CL/(HC03+C03) | - | - | 24.161 | 1.981 |
| CL/F | 2223.670 | 842.575 | 1763.256 | 515.808 |
| CL*100/(CL+S04+HC03+C03) | - | - | 93.835 | 62.401 |
| S04*100/(CL+S04+HC03+C03) | - | - | 2.281 | 6.092 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | 3.884 | 31.507 |
| (NA+K)*100/(NA+K+CA+MG) | 76.717 | 66.977 | 72.143 | 60.962 |
| CA*100/(NA+K+CA+MG) | 3.432 | 23.841 | 26.333 | 24.998 |
| MG*100/(NA+K+CA+MG) | 14.850 | 9.183 | 1.524 | 14.040 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | 96.116 | 68.493 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | 3.884 | 31.507 |
| (NA+K)*100/(NA+K+CA+MG) | 76.717 | 66.977 | 72.143 | 60.962 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.283 | 33.023 | 27.857 | 39.038 |

第2-3表 支笏・洞爺地域特定成分含量の頻度分布表

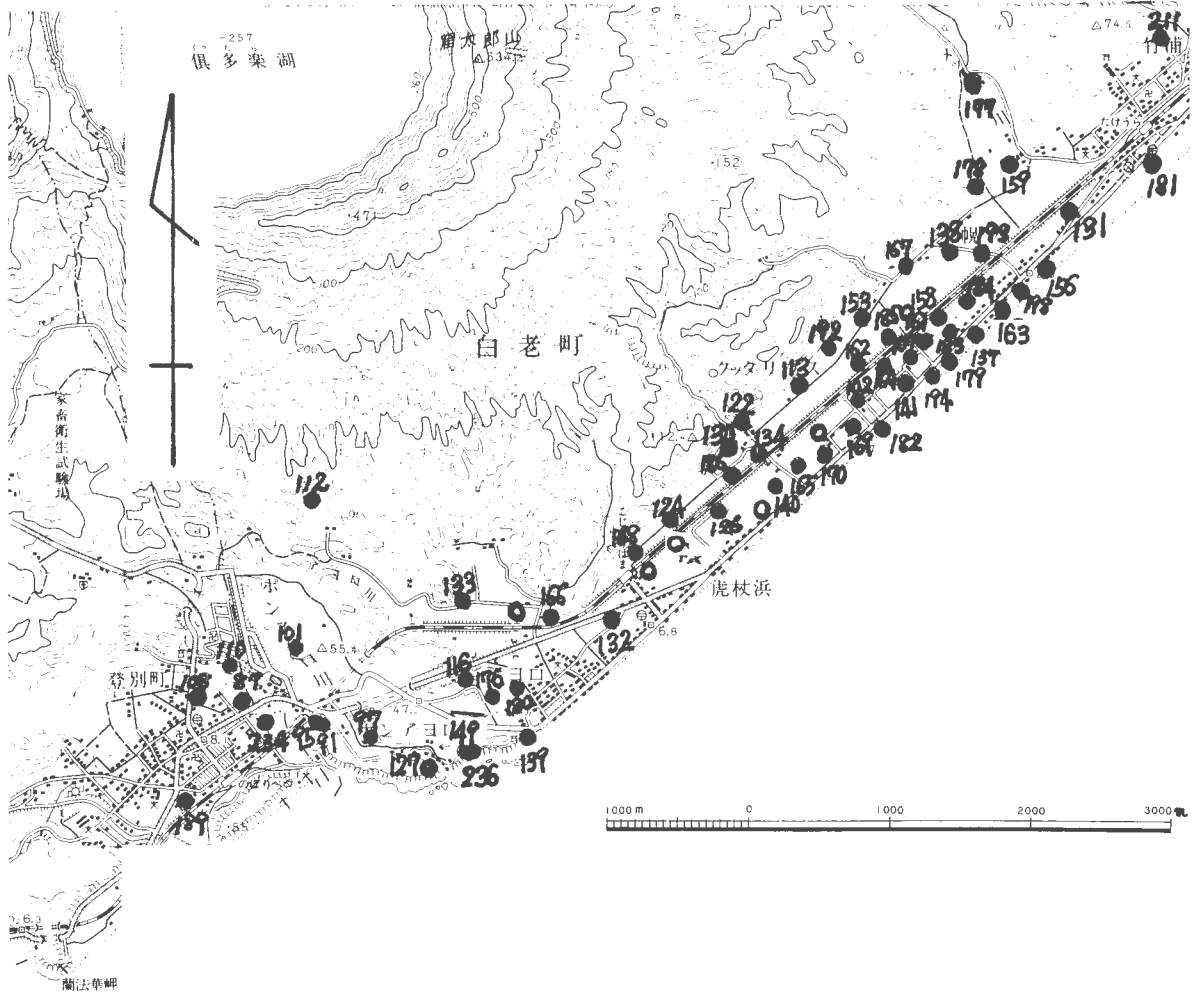
FREQUENCY DATA OF 7N, CU, PB, AS AND H2S

| Zn | N | F(%) | CU | N | F(%) |
|-----------------------|--|-------|----------------------|-----------------|-------|
| ND | 142 | 60.1 | ND | 142 | 59.7 |
| <0.500 ⁰ | 97 | 39.1 | <0.300 | 99 | 39.9 |
| <5.00 ⁰ | 2 | 0.8 | <3.000 | 1 | 0.4 |
| >5.00 ⁰ | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 242 | 100.0 | TOTAL | 243 | 100.0 |
| PB | N <th>F(%)</th> <th>AS</th> <th>N</th> <th>F(%)</th> | F(%) | AS | N | F(%) |
| ND | 135 | 74.5 | ND | 97 | 39.1 |
| <0.100 ⁰ | 60 | 24.2 | <0.050 | 64 | 25.8 |
| <1.00 ⁰ | 2 | 0.8 | <0.500 | 57 | 23.0 |
| >1.00 ⁰ | 1 | 0.4 | <5.000 | 30 | 12.1 |
| | | | >5.000 | 0 | 0. |
| TOTAL | 248 | 100.0 | TOTAL | 248 | 100.0 |
| H2S | N <th>F(%)</th> <th>N= NUMBER OF SAMPLES</th> <th>F= FREQUENCY(%)</th> | F(%) | N= NUMBER OF SAMPLES | F= FREQUENCY(%) | |
| ND | 42 | 15.9 | | | |
| < 1.000 ⁰ | 50 | 20.2 | | | |
| < 10.000 ⁰ | 140 | 56.5 | | | |
| <100.000 ⁰ | 16 | 6.5 | | | |
| >100.000 ⁰ | 0 | 0. | | | |
| TOTAL | 248 | 100.0 | | | |

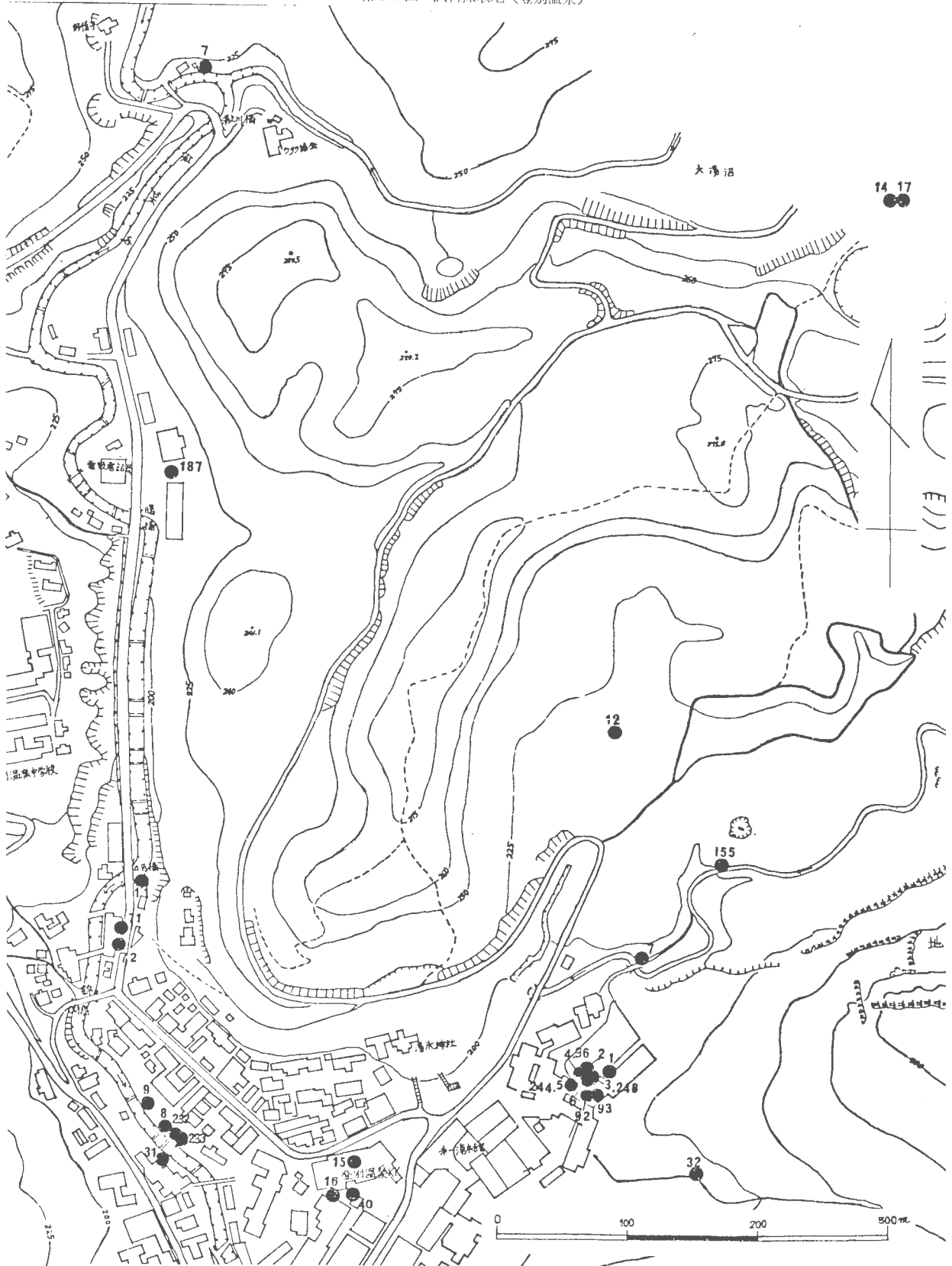
第2-1図 支笏・洞爺地域における温泉の分布



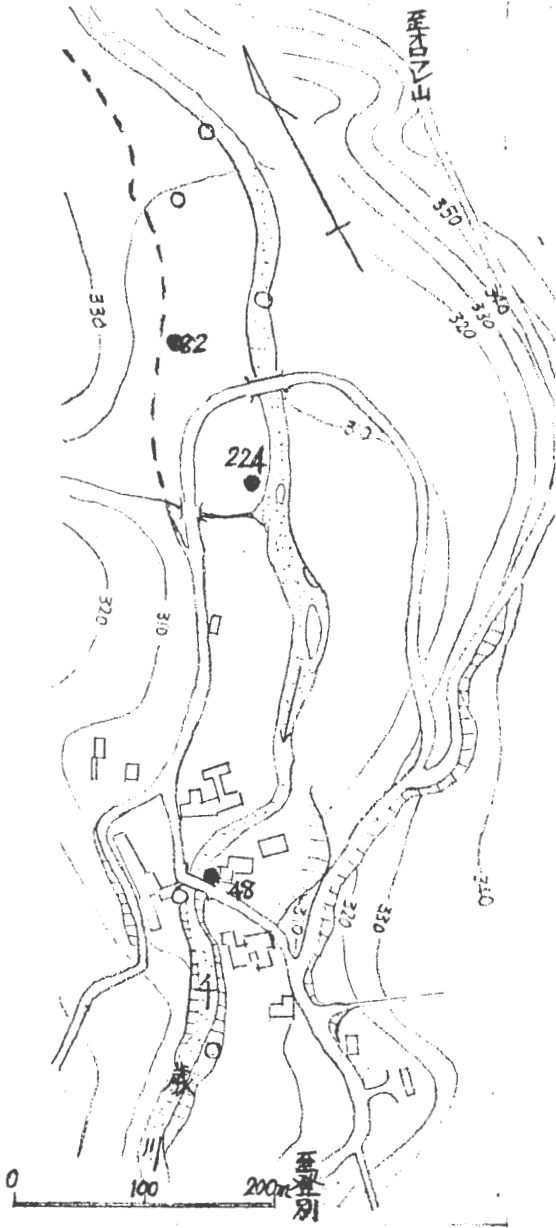
第2-2図 試料採取地(登別臨海, 虎杖浜温泉地区) (中谷ほか, 1967および1968, 福富ほか, 1970による)



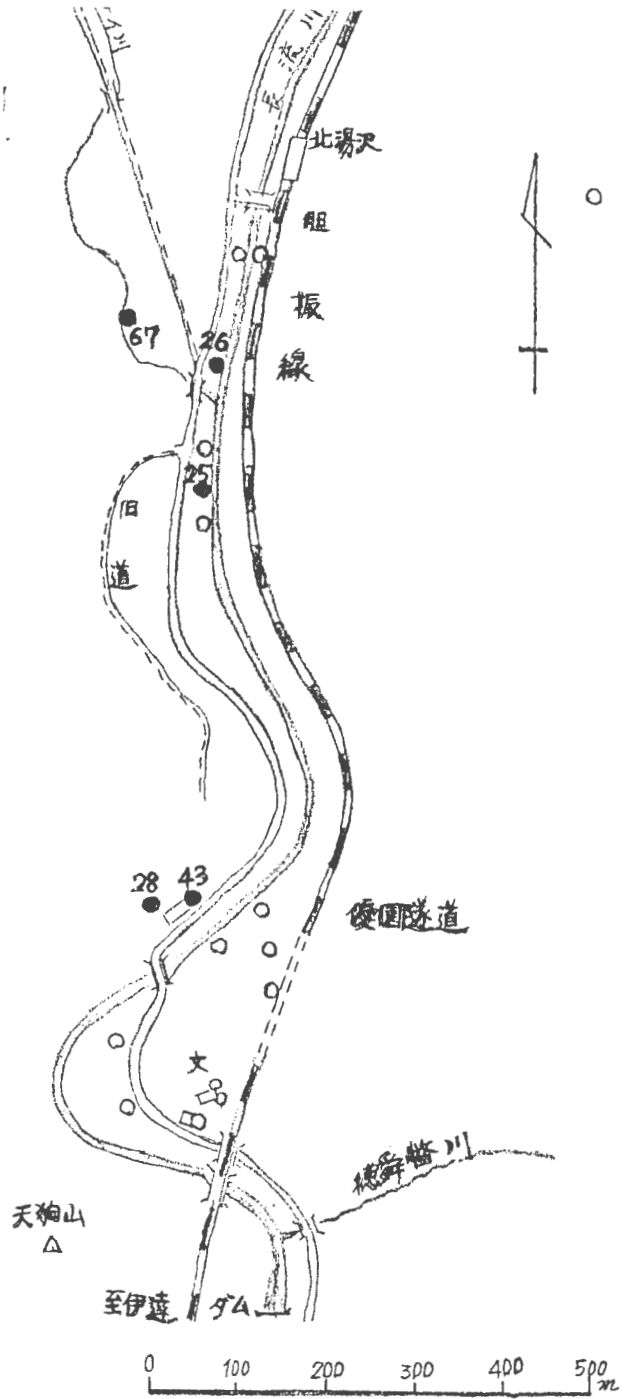
第2-3図 試料採取地(登別温泉)



第2-4図 試料採取地(カルルス温泉地区) (香山ほか, 1956による)

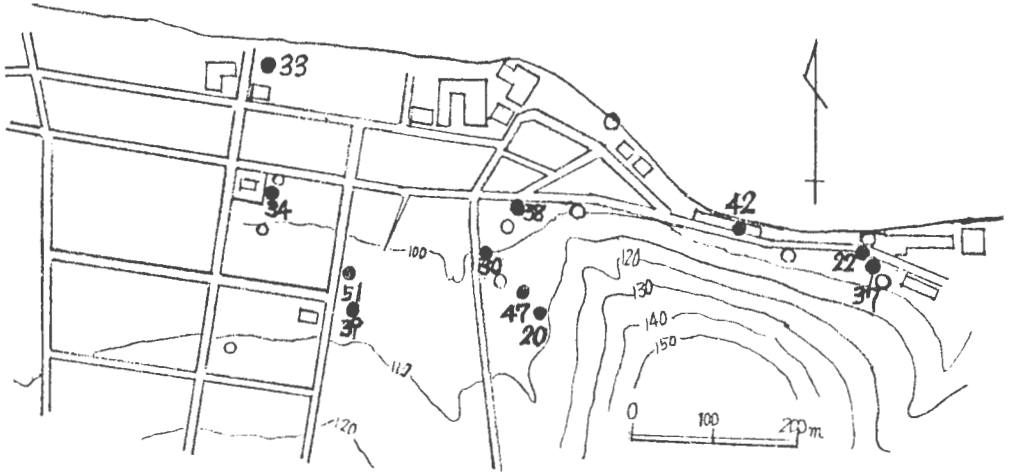


第2-5図 試料採取地(北湯沢温泉) (中野ほか, 1956による)



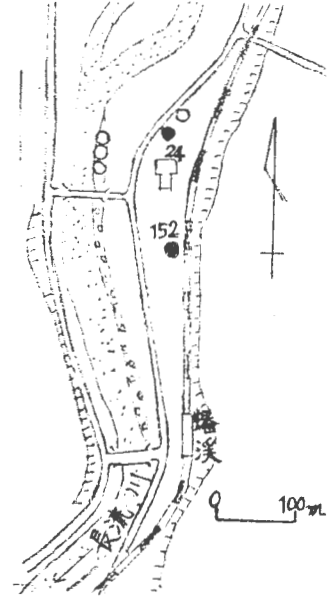
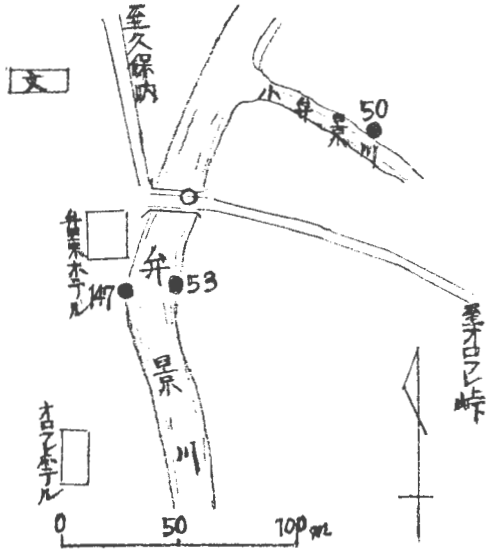
第2-6図 試料採取地（洞爺湖温泉）（鈴木ほか，1957による）

洞 爺 湖



第2-7図 試料採取地（弁景温泉）（須川ほか，1965による）

第2-8図 試料採取地（幡溪温泉）（須川ほか，1965による）

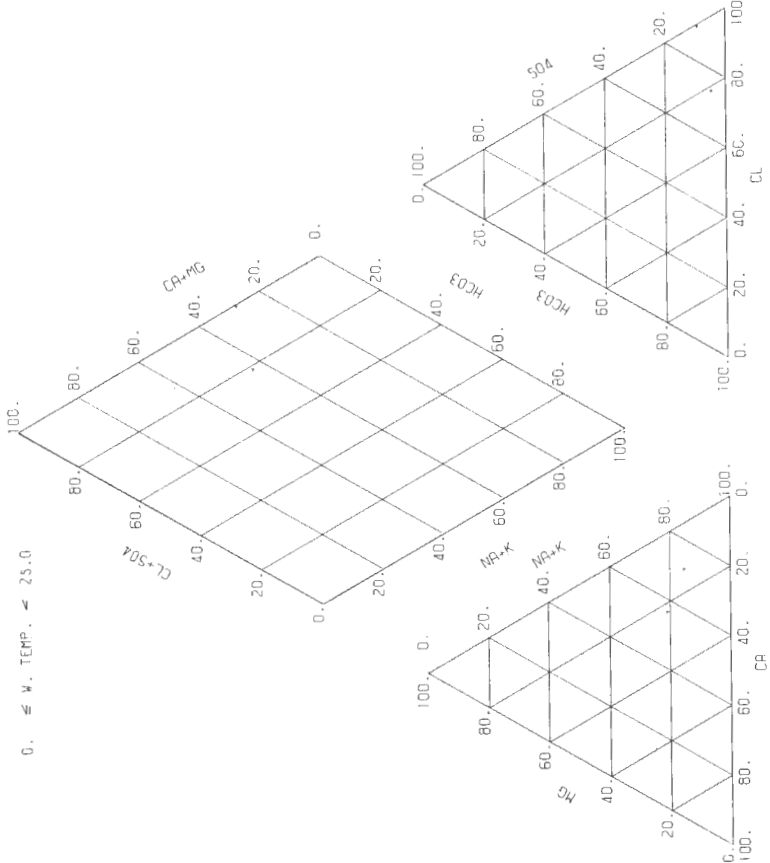


第2-9図 支笏・洞爺地域水質組成図 (その1) (水温25℃未満)

SHIKOTSU-TOYA

AREA CODE 51C

0. ≦ W. TEMP. ≦ 25.0

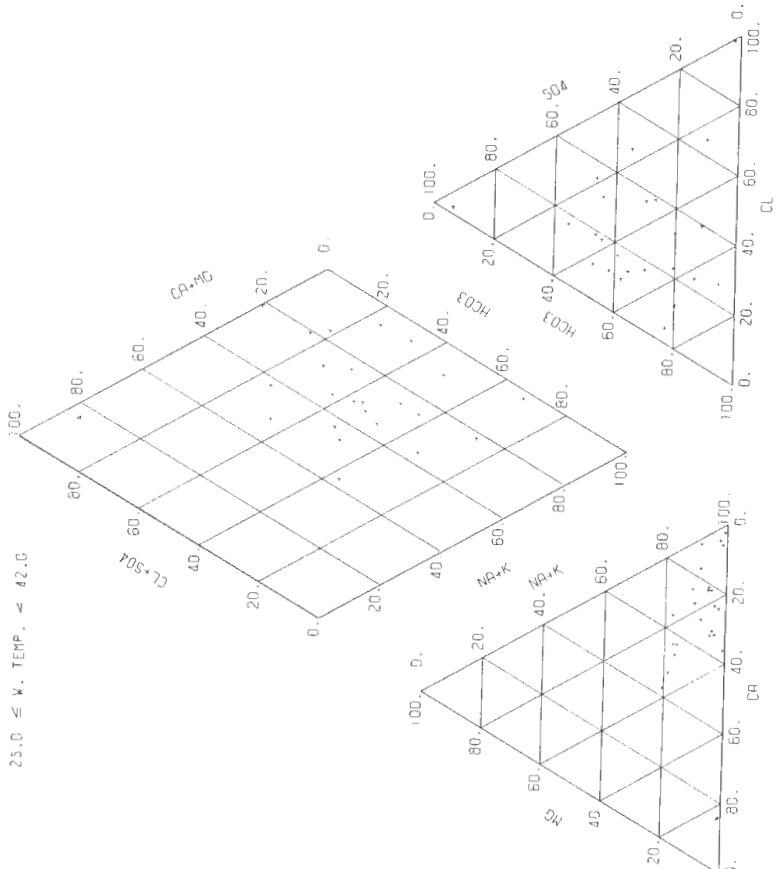


第2-9図 支笏・洞爺地域水質組成図 (その2) (水温25℃以上42℃未満)

SHIKOTSU-TOYA

AREA CODE 51C

23.0 ≦ W. TEMP. ≦ 42.0

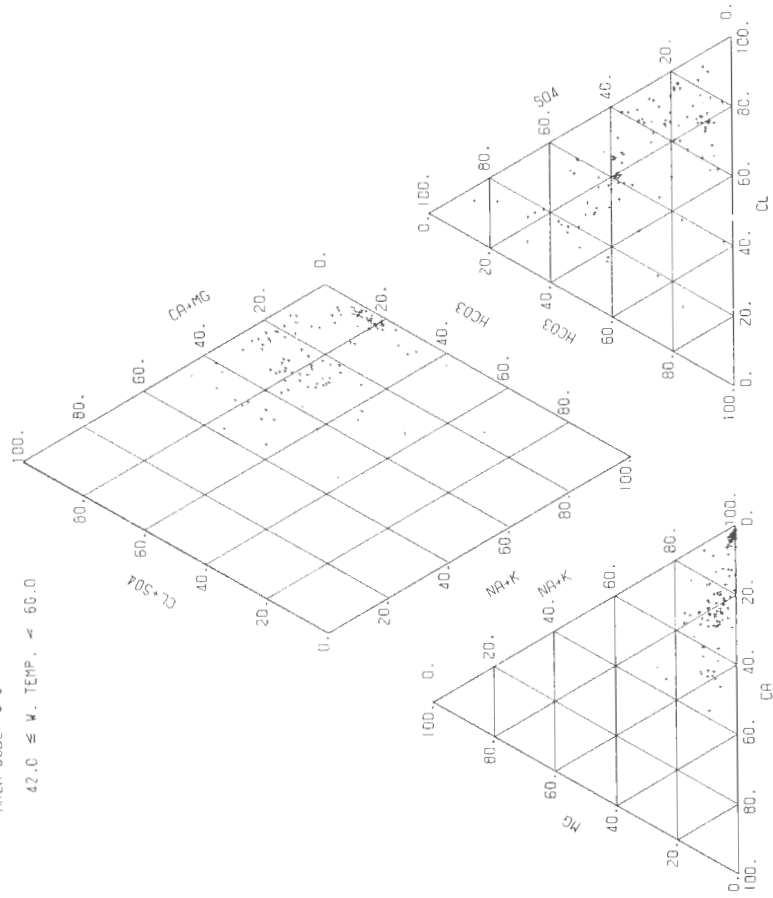


第2-9図 支笏・洞爺地域水質組成図（その3）（水温42℃以上60℃未満）

SHIKOTSU-10YA

AREA CODE SIC

42.0 ≦ W. TEMP. < 60.0

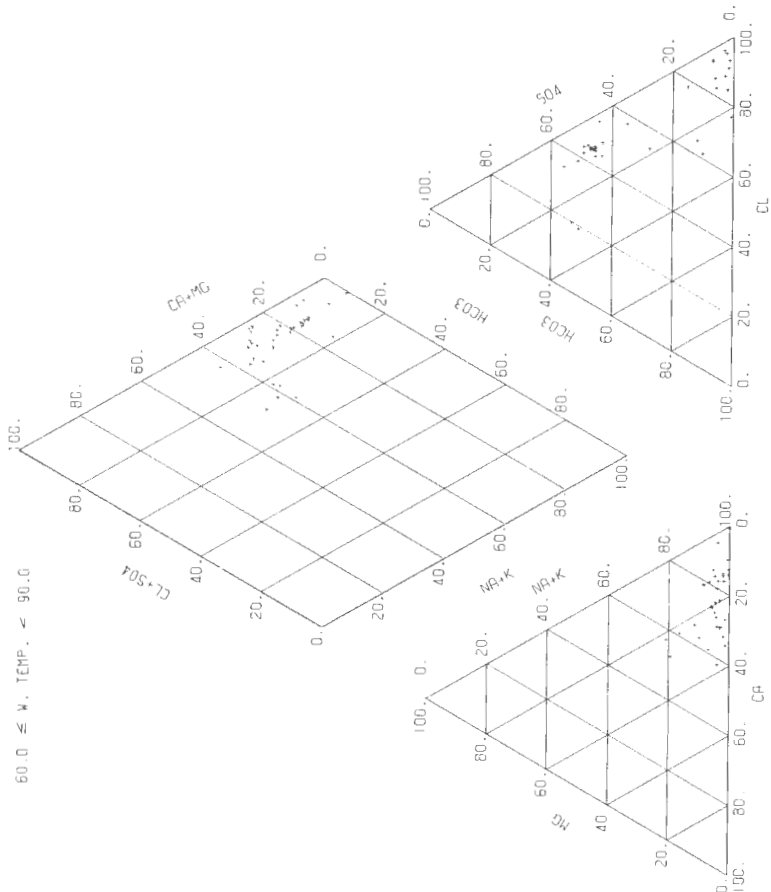


第2-9図 支笏・洞爺地域水質組成図（その4）（水温60℃以上90℃未満）

SHIKOTSU-10YA

AREA CODE SIC

60.0 ≦ W. TEMP. < 90.0

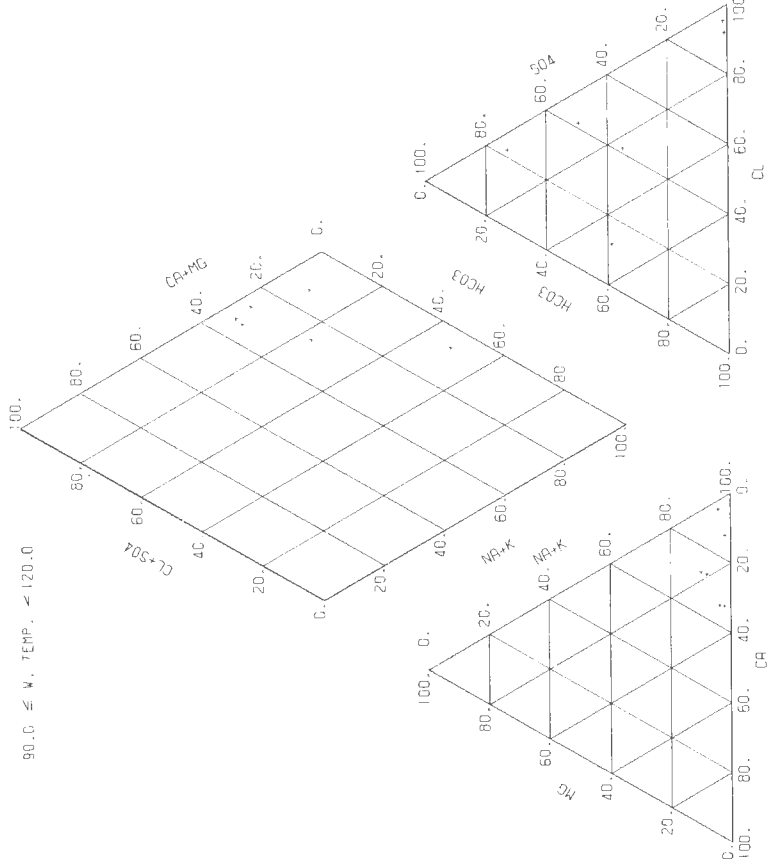


第2-9図 支笏・洞爺地域水質組成図 (その5) (水温90℃以上120℃未満)

SHIKOTSU-TOYA

AREA CODE 51C

90.0 ≤ W. TEMP. < 120.0

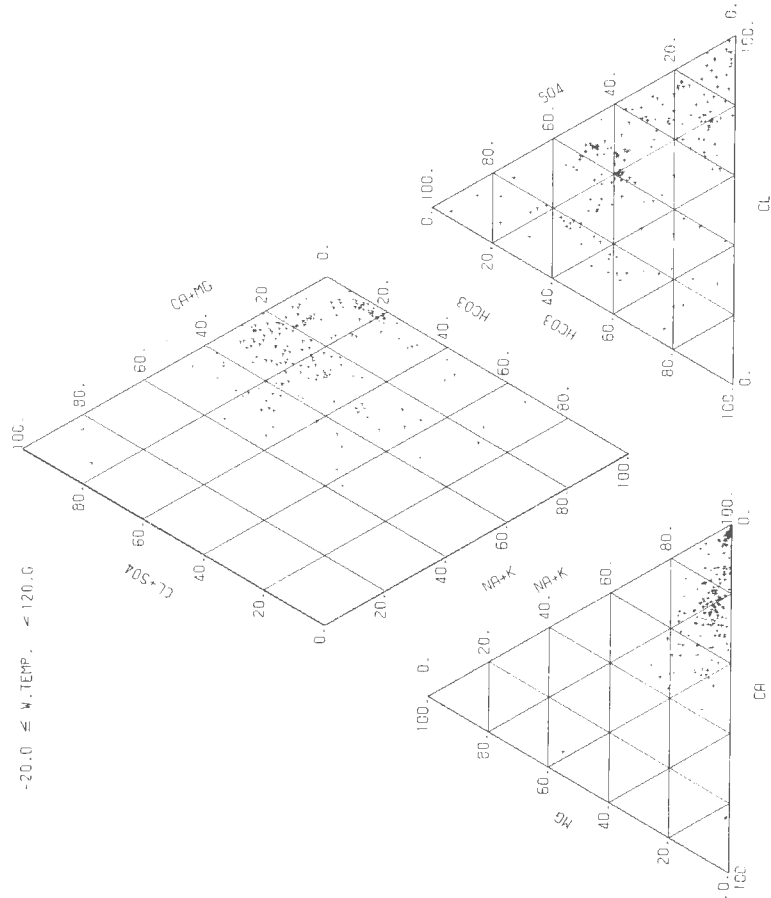


第2-9図 支笏・洞爺地域水質組成図 (その6) (全試料)

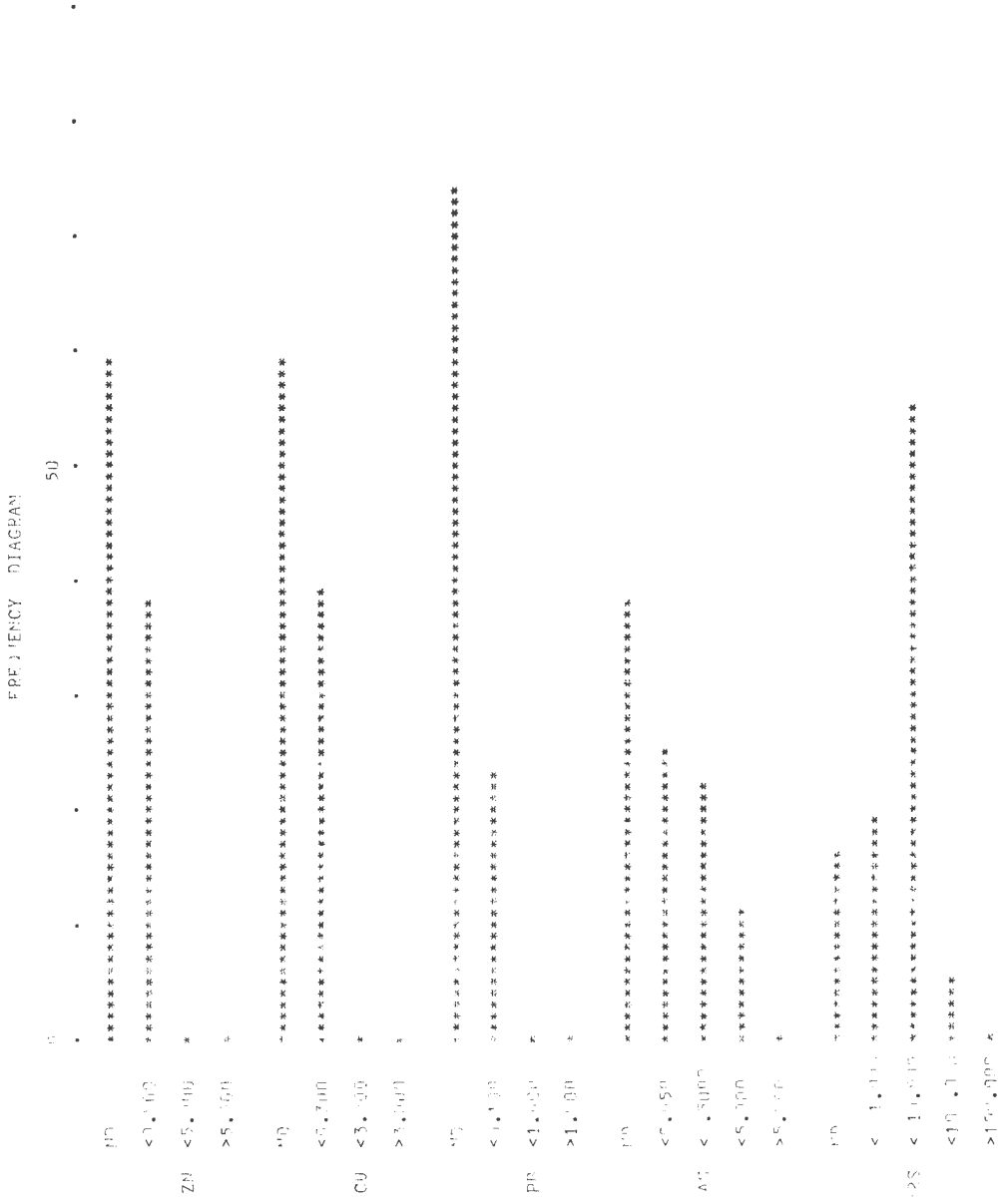
SHIKOTSU-TOYA

AREA CODE 51C

-20.0 ≤ W. TEMP. < 120.0



第2-10図 支笏・洞爺地域特定成分含量の頻度分布図

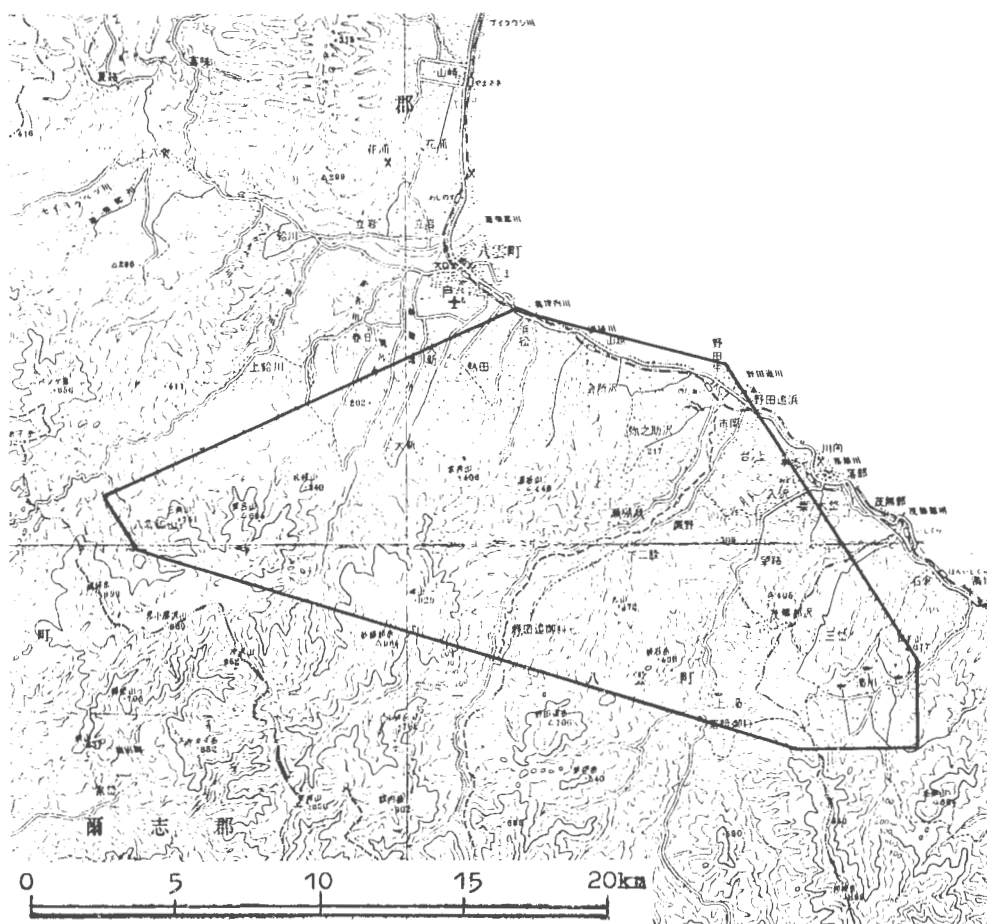


3. 駒が岳北部

Northern part of Komagatake

位置 北海道茅部郡森町，山越郡長万部町，八雲町
 データ数 79
 収集・整理 五十嵐昭明・比留川 貴
 協力 北海道衛生研究所

調査位置図 (20万分の1地勢図 室蘭)



第3-1表 駒が岳北部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-----------------|---------|------------|------------|-------|-----------|------------------------|
| NGC-1 | 北海道茅部郡森町字濁川231 | 濁川 | 滝の湯 | 1955.11.14 | 13 | 399 | D=70m, Q=200l/m, F |
| " | " | " | 五色の湯 | " | " | 405 | D=80m, Q=13l/m, F |
| " | " | " | 第一温泉旅館 | " | " | 400 | D=70m, Q=300l/m, F |
| " | 山越郡八雲町字鉛川618 | 鉛川 | 下の湯 | 1958.5.16 | " | 534 | Q=10l/m |
| " | " | " | 雲 | 1960.5 | " | 652 | D=350m, Q=95l/m, F |
| " | " | " | 上の湯・(外山菊松) | 1961.10.11 | " | 36-1462 | D=29m, Q=100l/m, F |
| " | " | 銀婚湯 | 湯川 | 1962.11.21 | " | 37-3856 | D=100m, Q=220l/m |
| " | 茅部郡森町字濁川91の2 | 濁川 | (皆口正次郎) | 1964.1.14 | " | 38-3315 | D=80m, Q=10l/m, F |
| " | " | " | (中谷正作) | " | " | 38-3316 | D=77m, Q=370l/m, F |
| " | " | " | (中谷佐一) | " | " | 39-1654 | D=70m, Q=36l/m, F |
| " | 山越郡八雲町字犬主78 | 上の湯・銀婚湯 | 湯川 | " | " | 40-2143 | D=0m, Q=10l/m, F |
| " | " | " | 体阿弥A | 1965.9.30 | " | 40-2144 | D=0m, Q=10l/m, F |
| " | 茅部郡森町字濁川85の2 | 濁川 | 体阿弥C | " | " | 40-2145 | D=73m, Q=80l/m, F |
| " | " | " | (山本源太郎) | " | " | 40-2146 | D=5m, Q=6l/m, F |
| " | " | " | (中田チヨ) | " | " | 40-2147 | D=55m, Q=34l/m, F |
| " | " | " | (中谷佐一) | " | " | 40-2775 | D=85m, Q=90l/m, F |
| " | " | " | (山本松夫) | " | " | 41-1783 | D=0m, Q=6l/m, F |
| " | 山越郡八雲町字野田生187の1 | 野田生 | 上下 | 1966.6.9 | " | 41-2521 | D=0m, Q=30l/m, F |
| " | " | " | (渋谷平吉) | " | " | 42-762 | D=50m, Q=70l/m, F, X |
| " | 茅部郡森町字濁川202 | 濁川 | (荒井宏祐) | 1967.4.4 | " | 42-1153 | D=7m, Q=9l/m, F, X |
| " | " | " | (愛場勲) | " | " | 43-812 | D=60m, Q=20l/m, F |
| " | " | " | (竹田憲一) | 1968.3.26 | " | 43-813 | D=97m, Q=20l/m, F |
| " | " | " | (上村豊藏) | " | " | 43-814 | D=0m, Q=80l/m, F, X |
| " | 山越郡八雲町字野田生187の1 | 野倉 | 熊嶺莊 | " | " | 43-2486 | D=30m, Q=140l/m, F |
| " | 茅部郡森町字石倉450 | 石倉 | (安藤富藏) | " | " | 43-2925 | D=219m, Q=220l/m, F |
| " | 山越郡長万部町字大峯31 | " | (長手福一) | " | " | 45-947 | D=0m, Q=250l/m, F, X |
| " | 山越郡八雲町字大新323の7 | " | (園部昌清) | 1970.9.10 | " | 46-230 | D=1000m, Q=20l/m, F, X |
| " | 茅部郡森町字濁川308 | 濁川 | (上村定吉) | 1971.5.13 | " | 46-1165 | D=80m, Q=800l/m, F, X |
| " | " | " | (岩佐陽一郎) | " | " | 47-67 | Q=150l/m, F |
| " | 山越郡八雲町字浜松152の2 | 八雲 | (柳谷年雄) | 1972.4.27 | " | 47-516 | D=0m, F |
| " | 茅部郡森町字濁川 | 濁川 | 新栄館A | 1967.7 | 37 | 1 | D=0m, F |
| " | " | " | 新栄館B | " | " | 2 | D=0m, F |
| " | " | " | (遠山義正) | " | " | 3 | D=0m, F |
| " | " | " | 鶴の湯 | " | " | 4 | D=0m, F |
| " | " | " | 亀の湯 | " | " | 5 | D=0m, F |

| No. | 産地 | 温泉 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|-------------|----|------------------|-----|------------|-------|------------------|-------------|
| NGC-36 | 北海道茅部郡森町宇濁川 | 濁川 | (鈴木武義) 第一温泉旅館 | 川 | 1967. 7 | 37 | 6 | D=61m |
| "-37 | " | " | 神泉館A | " | " | " | 7 | NGC-3と同一源泉 |
| "-38 | " | " | 神泉館B | " | " | " | 8 | D=0m, F |
| "-39 | " | " | 神泉館C | " | " | " | 9 | D=0m, F |
| "-40 | " | " | (宮島真一) | " | " | " | 10 | D=0m, F |
| "-41 | " | " | (美完成) | " | " | " | 11 | D=52m |
| "-42 | " | " | (中谷才一A) | " | " | " | 12 | D=93m |
| "-43 | " | " | (竹田憲一) | " | " | " | 13 | D=100m |
| "-44 | " | " | (中谷才一B) | " | " | " | 14 | NGC-22と同一源泉 |
| "-45 | " | " | (中谷才一D) | " | " | " | 15 | D=72m |
| "-46 | " | " | (中谷才一C) | " | " | " | 16 | NGC-9と同一源泉 |
| "-47 | " | " | 五色の湯 | " | " | " | 17 | NGC-15と同一源泉 |
| "-48 | " | " | (山本源太郎) | " | " | " | 18 | D=68m |
| "-49 | " | " | (中西正男) | " | " | " | 19 | NGC-13と同一源泉 |
| "-50 | " | " | (豆沢幸一) | " | " | " | 20 | D=82m |
| "-51 | " | " | (上村忠吉) | " | " | " | 21 | D=85m |
| "-52 | " | " | (中谷才一冷泉) | " | " | " | 22 | D=97m |
| "-53 | " | " | (中谷才一D) | " | " | " | 23 | D=20m |
| "-54 | " | " | (上田忠一) | " | " | " | " | NGC-9と同一源泉 |
| "-55 | " | " | 神泉館I | " | " | " | " | NGC-40と同一源泉 |
| "-56 | " | " | 川岸A | " | 1957.11.28 | 73 | 12A | |
| "-57 | " | " | 神泉館1号 | " | 1956. 7.20 | " | 12B | NGC-38と同一源泉 |
| "-58 | " | " | 神泉館2号 | " | " | " | 12C ₂ | NGC-39と同一源泉 |
| "-59 | " | " | 神泉館3号 | " | 7.20 | " | 12D | NGC-40と同一源泉 |
| "-60 | " | " | 薬師の湯 | " | " | " | 12E | D=0m, F |
| "-61 | " | " | 新栄館1号 | " | 7.21 | " | 12F ₂ | NGC-32と同一源泉 |
| "-62 | " | " | 新栄館2号 | " | " | " | 12G | NGC-31と同一源泉 |
| "-63 | " | " | (中田氏) | " | 7.21 | " | 12H | NGC-14と同一源泉 |
| "-64 | " | " | (愛場氏) | " | " | " | 12I ₁ | NGC-21と同一源泉 |
| "-65 | " | " | (土原氏) | " | 7.21 | " | 12J | D=0m, F |
| "-66 | " | " | 亀の湯 | " | 1957.11.29 | " | 12K | NGC-35と同一源泉 |
| "-67 | " | " | 梓用熱K.K. | " | " | " | 12L ₂ | F |
| "-68 | " | " | 第一温泉旅館 | " | 1956. 7.21 | " | 12M | NGC-3と同一源泉 |
| "-69 | " | " | 滝の湯 | " | " | " | 12N | NGC-1と同一源泉 |
| "-70 | " | " | 五色の湯 | " | 7.20 | " | 12O | NGC-2と同一源泉 |
| "-71 | " | " | (山本氏) | " | " | " | 12P | F |
| "-72 | " | " | (池田氏) | " | 7.21 | " | 12Q | F |
| "-73 | " | " | | " | 1957.11.29 | " | " | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|--------|-------------|----------|---------------------|-----|------------|-------|-----------|-------------|
| NGC-74 | 北海道茅部郡森町字濁川 | 濁川 (上村氏) | 銀婚湯 | 銀婚湯 | 1957.11.29 | 73 | 12R | NGC-52と同一源泉 |
| " -75 | " 山越郡八雲町字犬主 | 上の湯・銀婚湯 | " | " | 1955. 9.14 | " | 13A | F |
| " -76 | " " " " | " (外山氏) | " | " | " 9.15 | " | 13B | F |
| " -77 | " " " 字鉛川 | (八雲鉦山) | 160m E ₀ | " | " 9.14 | " | 16A | F |
| " -78 | " " " " | (") | 180m W ₁ | " | " 9.14 | " | 16B | F |
| " -79 | " " " " | 鉛川 | " | " | " 9.14 | " | 16C | F |

温泉名の()は角(1975)にないもの、源泉名の()は申請者名、備考欄のDは深度(m)、Qは粉・湧水量(l/m)、Fは白噴、D=0m……Fは自然湧出、Xは源泉位置不明を示す。

第3-2表 胸が丘北部地域水質一覽表

| | NGC 1 | NGC 2 | NGC 3 | NGC 4 |
|----------------------------------|------------|--------------|-------------|-------------|
| NO | 48.0 | 61.0 | 80.0 | 46.0 |
| TEMP | 16.5, 16.0 | 13.41, 10.00 | 31.62, 0.00 | 35.47, 5.00 |
| TSM | 6.80 | 6.80 | 7.60 | 6.50 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG) (MIAL/%) | | | | |
| K | 7.200 | 5.830 | 0.148 | 0.217 |
| NA | 325.100 | 43.150 | 1.875 | 39.885 |
| NH4 | - | - | 8.490 | 93.000 |
| CA | 137.200 | 165.500 | 916.900 | 852.000 |
| MG | 33.100 | 96.300 | 73.900 | 211.900 |
| FE | 3.000 | 0.050 | 8.400 | 0.891 |
| MN | 1.140 | 0.041 | 0.655 | 0.023 |
| ZN | - | - | - | 1.370 |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 6.400 | 0.712 | 4.250 | 18.790 |
| CL | 478.700 | 13.504 | 1105.700 | 1168.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | 0.460 |
| OH | - | - | - | - |
| S04 | - | 39.900 | - | 358.700 |
| S203 | - | - | - | - |
| HC03 | 688.900 | 938.600 | 840.900 | 1027.000 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 84.315 | 91.931 | 1.531 | 43.004 |
| HR02 | 48.800 | 24.400 | 0.557 | 40.300 |
| H3P04 | - | 2.450 | 0.025 | 1.787 |
| HAS02 | - | - | - | - |
| C02 | 189.600 | 189.600 | 4.308 | - |
| H2S | 1.070 | 4.790 | 0.140 | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 76.784 | 12.637 | 183.655 | 15.579 |
| CA/(HC03+C03) | 0.606 | 0.540 | 0.268 | 0.628 |
| MG/CA | 0.398 | 0.954 | 0.187 | 0.486 |
| NA/CA | 2.066 | 0.226 | 19.816 | 3.505 |
| CL/(HC03+C03) | 1.196 | 0.129 | 2.263 | 1.957 |
| CL/F | - | - | - | 1360.731 |
| CL*100/(CL+S04+HC03+C03) | - | 10.912 | - | 57.553 |
| S04*100/(CL+S04+HC03+C03) | - | 4.564 | - | 13.045 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 84.524 | - | 29.402 |
| (NA+K)*100/(NA+K+CA+MG) | 59.951 | 11.082 | 90.156 | 71.516 |
| CA*100/(NA+K+CA+MG) | 28.650 | 45.510 | 8.290 | 19.173 |
| MG*100/(NA+K+CA+MG) | 11.399 | 43.408 | 1.554 | 9.311 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 15.476 | - | 70.598 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 84.524 | - | 29.402 |
| (NA+K)*100/(NA+K+CA+MG) | 59.951 | 11.082 | 90.156 | 71.516 |
| (CA+MG)*100/(NA+K+CA+MG) | 40.049 | 88.918 | 9.844 | 28.484 |

第3-2表 駒が丘北部地域水質一覽表(つづき)

| NO | NGC 5 | | NGC 6 | | NGC 7 | | NGC 8 | |
|----------------------------------|-----------|----------|----------|----------|----------|--------|---------|---------|
| | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 65.0000 | 1.739 | 126.000 | 3.070 | 61.866 | 1.581 | 56.000 | 1.432 |
| NA | 1700.0000 | 77.430 | 2056.000 | 89.175 | 770.000 | 33.495 | 124.500 | 5.416 |
| NH4 | | | | | | | | |
| CA | 135.400 | 0.756 | 117.300 | 5.654 | 108.600 | 5.419 | 214.000 | 10.679 |
| MG | 48.320 | 3.153 | 40.400 | 3.325 | 43.200 | 3.555 | 33.500 | 2.757 |
| FE | 1.350 | 0.002 | 0.800 | 0.030 | 0.430 | 0.015 | 0.170 | 0.006 |
| MN | | | | | 0.200 | 0.007 | | |
| ZN | 0.152 | 0.005 | 0.050 | 0.002 | 0.044 | 0.001 | 0.045 | 0.001 |
| CU | 0.100 | 0.003 | | | 0.015 | 0.000 | 0.035 | 0.001 |
| PB | 0.016 | 0.000 | | | | | | |
| AL | 4.790 | 0.533 | 3.860 | 0.429 | 7.860 | 0.876 | 3.500 | 0.389 |
| CL | 2951.000 | 84.094 | 2201.000 | 62.090 | 951.400 | 26.839 | 71.000 | 2.003 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.440 | 0.023 | 1.050 | 0.055 | 0.140 | 0.007 | 0.080 | 0.004 |
| OH | 0.017 | 0.001 | 0.017 | 0.001 | | | | |
| S04 | 7.500 | 0.573 | 1176.000 | 24.484 | 43.200 | 0.899 | 101.200 | 2.107 |
| S203 | | | | | | | | |
| HCO3 | 206.730 | 4.699 | 887.500 | 14.566 | 1050.000 | 17.210 | 949.200 | 15.557 |
| CO3 | | | 5.030 | 0.168 | | | | |
| S02 | 80.470 | 1.506 | 211.019 | 3.513 | 190.017 | 3.164 | 88.470 | 1.473 |
| H502 | 60.430 | 1.380 | 272.145 | 6.210 | 112.000 | 2.556 | 13.400 | 0.306 |
| H3P04 | 0.562 | 0.006 | 3.063 | 0.031 | 1.092 | 0.011 | 1.225 | 0.013 |
| HAS02 | 0.098 | 0.000 | 0.644 | 0.006 | 0.003 | 0.000 | 0.032 | 0.000 |
| C02 | 3.800 | 0.200 | | | 189.200 | 4.299 | 272.800 | 6.198 |
| H2S | 0.600 | 0.012 | 0.500 | 0.015 | 1.530 | 0.045 | 2.900 | 0.085 |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 44.514 | 29.051 | 61.300 | 21.188 | 59.711 | 10.184 | 3.781 | 10.184 |
| CA/(HCO3+CO3) | 1.438 | 0.384 | 0.384 | 0.315 | 2.001 | 10.713 | 0.686 | 10.713 |
| MG/CA | 0.467 | 0.888 | 0.588 | 0.656 | 34.288 | 79.103 | 0.258 | 79.103 |
| NA/CA | 11.460 | 15.773 | 15.773 | 8.181 | 12.502 | 33.762 | 0.507 | 52.647 |
| CL/(HCO3+CO3) | 17.895 | 4.220 | 4.220 | 1.560 | 8.070 | 13.591 | 0.129 | 13.591 |
| CL/F | 3650.751 | 1123.357 | 1123.357 | 3641.852 | 475.615 | 20.897 | 475.615 | 20.897 |
| CL*100/(CL+S04+HCO3+CO3) | 94.101 | 61.300 | 61.300 | 59.711 | 10.184 | 10.184 | 10.184 | 10.184 |
| S04*100/(CL+S04+HCO3+CO3) | 0.601 | 24.173 | 24.173 | 2.001 | 10.713 | 10.713 | 0.686 | 10.713 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.253 | 14.527 | 14.527 | 34.288 | 79.103 | 79.103 | 0.258 | 79.103 |
| (NA+K)*100/(NA+CA+MG) | 88.875 | 91.130 | 91.130 | 79.628 | 33.762 | 33.762 | 52.647 | 52.647 |
| CA*100/(NA+CA+MG) | 7.585 | 5.585 | 5.585 | 12.502 | 13.591 | 13.591 | 0.507 | 0.507 |
| MG*100/(NA+CA+MG) | 3.540 | 3.284 | 3.284 | 8.070 | 8.070 | 8.070 | 0.129 | 0.129 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 94.742 | 85.473 | 85.473 | 61.712 | 20.897 | 20.897 | 475.615 | 475.615 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.253 | 14.527 | 14.527 | 34.288 | 79.103 | 79.103 | 0.258 | 0.258 |
| (NA+K)*100/(NA+K+CA+MG) | 92.875 | 91.130 | 91.130 | 79.628 | 33.762 | 33.762 | 52.647 | 52.647 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.135 | 8.870 | 8.870 | 20.373 | 20.373 | 20.373 | 66.238 | 66.238 |

第3-2表 駒ヶ岳北部地域水質一覧表 (つづき)

| NO | NGC 9 | | NGC 10 | | NGC 11 | | NGC 12 | |
|----------------------------------|----------|----------|----------|---------|----------|---------|-----------|---------|
| | 54.0 | 86.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| TEMP | 1913.000 | 5158.000 | 165.000 | 165.000 | 165.000 | 165.000 | 165.000 | 165.000 |
| TSM | 5.4 | 7.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 |
| PH(FD) | | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(MVAI/°C) | 65.300 | 1.150 | 140.000 | 3.581 | 29.000 | 0.702 | 40.000 | 1.023 |
| K | 494.000 | 21.489 | 2910.000 | 87.635 | 390.000 | 16.965 | 495.000 | 21.533 |
| NA | | | | | | | | |
| NA4 | | | | | | | | |
| CA | 113.600 | 5.918 | 196.500 | 9.895 | 95.000 | 4.741 | 120.000 | 5.988 |
| MG | 53.500 | 4.603 | 93.000 | 2.974 | 43.400 | 3.571 | 46.200 | 3.802 |
| FE | 8.470 | 3.313 | 0.900 | 0.033 | 0.430 | 0.015 | 0.200 | 0.007 |
| MN | 0.200 | 0.009 | | | | | | |
| ZN | 0.006 | 0.011 | 0.051 | 0.002 | | | | |
| CU | 0.009 | 0.001 | 0.029 | 0.001 | | | 0.011 | 0.000 |
| PB | 0.012 | 0.000 | | | | | 0.900 | 0.100 |
| AL | 12.500 | 1.388 | 3.500 | 0.139 | 4.300 | 0.478 | 0.900 | 0.100 |
| CL | 737.700 | 20.527 | 3115.800 | 59.687 | 672.000 | 13.315 | 563.000 | 15.882 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.300 | 0.017 | 1.700 | 0.029 | 0.030 | 0.002 | 0.005 | 0.000 |
| OH | | | | | | | | |
| SO4 | 57.100 | 1.130 | 1012.000 | 21.070 | 144.000 | 2.998 | 95.400 | 1.986 |
| S2O3 | | | | | | | | |
| HC03 | 5.3000 | 11.193 | 1387.200 | 22.736 | 616.000 | 10.096 | 899.000 | 14.735 |
| CO3 | | | | | | | | |
| SI02 | 130.013 | 2.331 | 139.013 | 2.315 | 103.859 | 2.395 | 180.016 | 2.997 |
| HR02 | 67.200 | 1.534 | 134.400 | 3.067 | 84.200 | 1.921 | 87.600 | 1.999 |
| H3PO4 | 0.153 | 0.002 | 0.562 | 0.006 | 0.459 | 0.005 | 0.548 | 0.006 |
| HAS02 | 0.000 | 0.000 | 0.482 | 0.000 | | | | |
| CO2 | 300.800 | 3.197 | 112.000 | 2.499 | 559.000 | 12.700 | 381.000 | 8.656 |
| H2S | 1.170 | 0.005 | 1.300 | 0.010 | 2.382 | 0.070 | 4.930 | 0.145 |
| RM (*F=10 CURT/L) | | | | | | | | |
| NA/K | 18.545 | 20.415 | | | | 22.869 | | 21.044 |
| CA/(HC03+CO2) | 0.509 | 0.431 | | | | 0.470 | | 0.406 |
| MG/GA | 0.704 | 0.211 | | | | 0.753 | | 0.635 |
| NA/GA | 3.631 | 8.917 | | | | 3.579 | | 3.596 |
| CL/(HC03+CO2) | 1.233 | 2.625 | | | | 1.319 | | 1.078 |
| CL/F | 1213.600 | 666.980 | | | 8431.360 | | 60342.819 | |
| CL*100/(CL+S04+HC03+CO3) | 52.358 | 57.672 | | | 50.418 | | 48.714 | |
| S04*100/(CL+S04+HC03+CO3) | 3.612 | 20.359 | | | 11.352 | | 6.092 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 34.000 | 21.969 | | | 38.230 | | 45.194 | |
| (NA+K)*100/(NA++CA+MG) | 58.695 | 98.455 | | | 68.054 | | 69.734 | |
| CA*100/(NA++CA+MG) | 17.551 | 9.529 | | | 19.220 | | 18.513 | |
| MG*100/(NA++CA+MG) | 13.354 | 2.015 | | | 13.726 | | 11.754 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 55.980 | 78.031 | | | 61.770 | | 54.806 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 39.000 | 21.969 | | | 38.230 | | 45.194 | |
| (NA+K)*100/(NA++CA+MG) | 68.695 | 88.455 | | | 68.054 | | 69.734 | |
| (CA+MG)*100/(NA++CA+MG) | 31.305 | 11.354 | | | 31.946 | | 30.266 | |

第3-2表 駒が丘北部地域水質一覧表(つづき)

| | NGC 13 | | NGC 14 | | NGC 15 | | NGC 16 | |
|----------------------------------|----------|----------|----------|--------|---------|-------|---------|--------|
| NO | 51.5 | 71.0 | 55.0 | 46.0 | 872.000 | 6.20 | | |
| TEMP | 2175.500 | 8561.000 | 86.000 | | | | | |
| TSM | 6.40 | | | | | | | |
| PH(FD) | | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(M/L/KG) | 13.000 | 1.100 | 82.000 | 2.098 | 7.000 | 0.179 | 12.000 | 0.307 |
| NA | 346.000 | 15.051 | 1400.000 | 60.900 | 58.000 | 2.523 | 43.000 | 1.871 |
| NH4 | | | | | | | | |
| CA | 62.300 | 3.100 | 115.000 | 5.739 | 23.900 | 1.193 | 52.300 | 2.610 |
| MG | 131.000 | 10.780 | 670.000 | 55.134 | 94.500 | 7.776 | 58.400 | 4.806 |
| FF | 1.300 | 0.049 | 1.650 | 0.059 | 14.200 | 0.509 | 5.280 | 0.189 |
| MN | 0.100 | 0.004 | | | 0.300 | 0.011 | 0.350 | 0.013 |
| ZN | | | | | 0.002 | 0.000 | | |
| CU | 0.025 | 0.001 | 0.042 | 0.001 | 0.073 | 0.002 | 0.038 | 0.001 |
| PB | | | | | | | | |
| AL | 3.410 | 0.379 | 5.100 | 0.567 | 1.690 | 0.188 | 7.910 | 0.880 |
| CL | 572.000 | 16.136 | 2218.000 | 62.570 | 106.000 | 2.990 | 19.800 | 0.559 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.070 | 0.004 | 0.140 | 0.007 | 0.070 | 0.004 | 0.190 | 0.010 |
| OH | | | | | | | | |
| S04 | 53.000 | 1.103 | 57.100 | 1.189 | 44.800 | 0.933 | 47.700 | 0.993 |
| S203 | | | | | | | | |
| HC03 | 811.000 | 13.292 | 3704.000 | 60.709 | 512.000 | 8.392 | 555.000 | 9.096 |
| C03 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 153.093 | 3.049 | 177.708 | 2.959 | 126.165 | 2.101 | 70.006 | 1.166 |
| HB02 | 78.800 | 1.798 | 245.000 | 5.591 | 30.600 | 0.698 | 48.000 | 1.095 |
| H3P04 | 0.680 | 0.007 | 0.363 | 0.004 | 1.532 | 0.016 | 1.195 | 0.012 |
| HAS02 | | | 0.189 | 0.001 | | | | |
| C02 | 519.000 | 11.792 | 337.060 | 7.657 | 373.000 | 8.475 | 488.000 | 11.087 |
| H2S | 1.100 | 0.035 | 1.020 | 0.030 | 3.510 | 0.103 | 1.870 | 0.055 |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | 13.633 | 29.034 | | | 14.090 | | 6.094 | |
| CA/(HC03+C03) | 3.234 | 0.095 | | | 0.142 | | 0.287 | |
| MG/CA | 3.458 | 9.608 | | | 6.520 | | 1.841 | |
| NA/CA | 4.841 | 10.613 | | | 2.116 | | 0.717 | |
| CL/(HC03+C03) | 1.214 | 1.031 | | | 0.356 | | 0.061 | |
| CL/F | 4379.103 | 8490.255 | | | 811.312 | | 55.847 | |
| CL*100/(CL+S04+C03+C03) | 52.850 | 50.270 | | | 24.282 | | 5.246 | |
| S04*100/(CL+S04+HC03+C03) | 3.614 | 0.955 | | | 7.574 | | 9.327 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 43.536 | 48.775 | | | 68.144 | | 85.428 | |
| (NA+K)*100/(NA+K+CA+MG) | 53.765 | 50.858 | | | 23.152 | | 22.699 | |
| CA*100/(NA+K+CA+MG) | 10.349 | 4.633 | | | 10.219 | | 27.205 | |
| MG*100/(NA+K+CA+MG) | 35.816 | 44.510 | | | 66.650 | | 50.096 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 56.464 | 58.225 | | | 31.856 | | 14.572 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 43.536 | 48.775 | | | 68.144 | | 85.428 | |
| (NA+K)*100/(NA+K+CA+MG) | 53.765 | 50.858 | | | 23.152 | | 22.699 | |
| (CA+MG)*100/(NA+K+CA+MG) | 46.235 | 49.142 | | | 76.848 | | 77.301 | |

第3-2表 駒が丘北部地域水質一覽表 (つづき)

| NO | NGC 17 | | NGC 18 | | NGC 19 | | NGC 20 | |
|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|--|
| | 45.0 4675.500 7.41 | 40.0 4557.500 6.40 | 78.0 1333.500 7.20 | 50.0 1684.500 6.20 | | | | |
| H (MG/KG) (MVAL/%) | 0.000 | 2.006 | 7.000 | 25.000 | 0.179 | 0.640 | | |
| K | 99.000 | 37.472 | 390.000 | 295.000 | 12.615 | 12.833 | | |
| NA | 10.579 | 145.000 | 152.000 | 126.000 | 7.585 | 6.287 | | |
| NH4 | 2.336 | 39.000 | 46.000 | 34.000 | 3.292 | 2.798 | | |
| CA | 0.890 | 1.600 | 0.416 | 0.600 | 0.015 | 0.738 | | |
| MG | TP | | 0.553 | 0.270 | 0.020 | 0.010 | | |
| FE | | | 0.203 | | 0.006 | | | |
| MN | | | 0.001 | | | | | |
| ZN | | | 0.423 | | 0.642 | 0.064 | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | | |
| CL | 1309.000 | 37.055 | 365.000 | 358.000 | 10.297 | 10.099 | | |
| BP | | | | | | | | |
| I | | | | | | | | |
| F | 0.176 | 0.339 | 0.150 | 0.290 | 0.008 | 0.015 | | |
| OH | | | | | | | | |
| SO4 | 178.000 | 2.773 | 26.000 | 14.900 | 0.541 | 0.310 | | |
| S2O3 | | | | | | | | |
| HCO3 | 223.000 | 17.099 | 429.000 | 787.000 | 13.587 | 12.899 | | |
| CO3 | | | | | | | | |
| SI02 (MG/G) (MVAL/KC) | 60.000 | 1.499 | 142.321 | 114.626 | 2.370 | 1.909 | | |
| H2O2 | 75.000 | 1.734 | 31.300 | 31.300 | 0.714 | 0.714 | | |
| H3PO4 | | | 0.265 | 0.051 | 0.003 | 0.001 | | |
| HASO2 | | | 0.038 | 0.000 | | | | |
| CO2 | 370.000 | 7.498 | 176.000 | 682.000 | 3.999 | 15.495 | | |
| H2S | 0.650 | 0.020 | 4.320 | 1.360 | 0.127 | 0.040 | | |
| RN (WF-10 CRIE/L) | | | | | | | | |
| NA/K | 13.981 | 19.556 | 70.451 | 20.066 | | | | |
| CA/(HCO3+CO2) | 0.734 | 0.700 | 0.558 | 0.487 | | | | |
| MG/CA | 0.236 | 0.285 | 0.434 | 0.445 | | | | |
| NA/CA | 3.668 | 4.335 | 1.663 | 2.041 | | | | |
| CL/(HCO3+CO2) | 1.921 | 2.914 | 0.758 | 0.783 | | | | |
| CL/F | 4131.956 | 5410.648 | 1304.034 | 661.565 | | | | |
| CL*100/(CL+SO4+HCO3+CO2) | 60.932 | 70.609 | 42.156 | 43.329 | | | | |
| SO4*100/(CL+SO4+HCO3+CO2) | 5.270 | 5.162 | 2.216 | 1.331 | | | | |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO2) | 44.748 | 24.229 | 55.628 | 55.340 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 75.907 | 76.000 | 54.051 | 59.724 | | | | |
| CA*100/(NA+K+CA+MG) | 19.658 | 17.117 | 32.043 | 27.873 | | | | |
| MG*100/(NA+K+CA+MG) | 4.435 | 4.843 | 13.906 | 12.403 | | | | |
| (CL+SO4)*100/(CL+SO4+HCO3+CO2) | 75.212 | 75.771 | 44.372 | 44.660 | | | | |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO2) | 40.748 | 24.229 | 55.628 | 55.340 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 75.907 | 76.000 | 54.051 | 59.724 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 4.435 | 4.843 | 13.906 | 12.403 | | | | |

第3-2表 駒が岳北部地域水質一覧表 (つづき)

| NO | NGC 21 | | NGC 22 | | NGC 23 | | NGC 24 | |
|---|---------|----------|---------|----------|----------|----------|----------|----------|
| | TEMP | TSM | TEMP | TSM | TEMP | TSM | TEMP | TSM |
| PH(ED) | 51.0 | 541.000 | 56.0 | 2677.000 | 63.0 | 3424.000 | 55.0 | 3730.000 |
| PH(LB) | 6.00 | 6.60 | 6.60 | 6.60 | 6.40 | 6.40 | 6.60 | 6.60 |
| H (MG/KG)(MVAL*(C)) | | | | | | | | |
| K | 27.000 | 0.691 | 78.000 | 1.995 | 93.000 | 2.379 | 82.000 | 2.098 |
| NA | 160.000 | 4.350 | 590.000 | 25.230 | 760.000 | 33.060 | 1040.000 | 45.240 |
| NH4 | | | | | | | | |
| CA | 68.000 | 3.393 | 162.000 | 8.084 | 204.000 | 10.180 | 147.000 | 7.335 |
| MG | 7.000 | 2.222 | 53.000 | 4.361 | 70.000 | 5.760 | 20.400 | 1.679 |
| FE | 9.800 | 0.304 | 3.900 | 0.140 | 7.600 | 0.272 | 2.250 | 0.081 |
| MN | 0.200 | 0.008 | 0.549 | 0.020 | 0.140 | 0.005 | 0.350 | 0.013 |
| ZN | | | | | | | | |
| CU | | | | | | | 0.004 | 0.000 |
| PR | | | | | | | | |
| AL | 11.000 | 1.233 | 5.800 | 0.645 | 14.900 | 1.657 | 17.800 | 1.979 |
| CL | 138.000 | 3.893 | 967.000 | 27.279 | 1377.000 | 38.845 | 1519.000 | 42.851 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.100 | 0.005 | 0.140 | 0.007 | 0.140 | 0.007 | 0.560 | 0.029 |
| OH | | | | | | | | |
| S04 | 24.000 | 0.500 | 106.000 | 2.207 | 87.000 | 1.811 | 218.000 | 4.539 |
| S203 | | | | | | | | |
| HC03 | 476.000 | 7.802 | 670.000 | 10.981 | 774.000 | 12.686 | 670.000 | 10.981 |
| CO3 | | | | | | | | |
| SI02 (MG/G)(MMOL/KG) | | | | | | | | |
| HR02 | 90.000 | 1.099 | 144.628 | 2.408 | 136.935 | 2.280 | 113.856 | 1.896 |
| H3PO4 | 27.000 | 0.616 | 103.000 | 2.350 | 139.000 | 3.172 | 85.000 | 1.940 |
| HAS02 | 0.179 | 0.002 | 0.715 | 0.007 | 0.562 | 0.006 | 0.204 | 0.002 |
| CO2 | 0.033 | 0.000 | 0.098 | 0.001 | 0.114 | 0.001 | 0.113 | 0.001 |
| H2S | 620.000 | 14.995 | 360.000 | 8.179 | 492.000 | 11.178 | 356.000 | 8.088 |
| | 0.850 | 0.025 | 2.040 | 0.060 | 1.190 | 0.035 | 0.340 | 0.010 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 6.298 | 12.645 | | | | | 21.568 | |
| CA/(HC03+CO3) | 0.435 | 0.736 | | | | | 0.668 | |
| MG/CA | 0.655 | 0.540 | | | | | 0.229 | |
| NA/CA | 1.242 | 3.121 | | | | | 6.167 | |
| CL/(HC03+CO3) | 1.490 | 2.484 | | | | | 3.902 | |
| CL/F | 736.548 | 3701.567 | | | | | 1453.640 | |
| CL*10 ⁰ /(CL+S04+HC03+CO3) | 31.925 | 67.410 | | | | | 73.411 | |
| S04*10 ⁰ /(CL+S04+HC03+CO3) | 4.098 | 5.454 | | | | | 7.776 | |
| (HC03+CO3)*10 ⁰ /(CL+S04+HC03+CO3) | 63.978 | 27.136 | | | | | 18.813 | |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 47.315 | 68.629 | | | | | 84.004 | |
| CA*10 ⁰ /(NA+K+CA+MG) | 31.844 | 20.377 | | | | | 13.017 | |
| MG*10 ⁰ /(NA+K+CA+MG) | 29.351 | 10.994 | | | | | 2.979 | |
| (CL+S04)*10 ⁰ /(CL+S04+HC03+CO3) | 36.022 | 72.864 | | | | | 81.187 | |
| (HC03+CO3)*10 ⁰ /(CL+S04+HC03+CO3) | 63.978 | 27.136 | | | | | 18.813 | |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 47.315 | 68.629 | | | | | 84.004 | |
| (CA+MG)*10 ⁰ /(NA+K+CA+MG) | 52.695 | 31.371 | | | | | 15.996 | |

第3-2表 駒が岳北部地蔵水質一覽表 (つつき)

| | NGC 25 | | NGC 26 | | NGC 27 | | NGC 28 | |
|---|-----------|-----------|----------|----------|----------|----------|----------|----------|
| NO | 43.0 | 21.0 | 28.0 | 80.6 | 28.0 | 80.6 | 28.0 | 80.6 |
| TEMP | 22.56.000 | 3.523.000 | 2042.000 | 6037.000 | 2042.000 | 6037.000 | 2042.000 | 6037.000 |
| TSM | 8.20 | 6.20 | 7.40 | 7.80 | 7.40 | 7.80 | 7.40 | 7.80 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MIVAL/KG) | 5.000 | 0.128 | 39.000 | 141.000 | 39.000 | 141.000 | 39.000 | 141.000 |
| K | 970.000 | 43.065 | 710.000 | 701.000 | 710.000 | 1965.000 | 30.385 | 85.478 |
| NA | - | - | - | - | - | - | - | - |
| NH4 | 22.000 | 1.098 | 32.800 | 389.000 | 32.800 | 157.000 | 1.637 | 7.834 |
| CA | 4.000 | 0.329 | 13.600 | 51.000 | 13.600 | 62.800 | 1.119 | 5.168 |
| MG | 0.208 | 0.007 | 0.116 | 0.116 | 4.500 | 0.408 | 0.161 | 0.015 |
| FE | TR. | - | - | - | 0.850 | - | 0.031 | - |
| MN | 0.079 | 0.002 | - | - | 0.002 | 0.174 | 0.005 | 0.005 |
| ZN | 0.056 | 0.000 | - | - | 0.002 | 0.005 | 0.000 | 0.000 |
| CU | - | - | - | - | 0.042 | 0.025 | 0.000 | 0.000 |
| PB | - | - | - | - | 10.500 | 3.390 | 0.377 | 0.377 |
| AL | 6.930 | 0.771 | 6.520 | 0.725 | 10.500 | 3.390 | 0.377 | 0.377 |
| CL | 1170.000 | 33.006 | 1597.000 | 45.051 | 543.000 | 3550.000 | 15.318 | 100.146 |
| BR | - | - | - | - | - | - | - | - |
| I | 1.000 | 0.055 | 0.240 | - | 0.240 | - | 0.013 | - |
| F | - | - | - | - | - | - | - | - |
| OH | 493.000 | 10.264 | 20.100 | 1.832 | 20.100 | 83.700 | 0.418 | 1.743 |
| SO4 | - | - | - | - | - | - | - | - |
| SO3 | 176.000 | 2.065 | 1226.000 | 12.620 | 1226.000 | 45.700 | 20.094 | 0.749 |
| HC03 | - | - | - | - | - | - | - | - |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 56.159 | 0.935 | 63.852 | 1.063 | 51.928 | 147.706 | 0.865 | 2.459 |
| HR02 | 56.000 | 1.278 | 67.200 | - | 67.200 | 255.000 | 1.534 | 5.819 |
| H3PO4 | 0.009 | 0.000 | 0.449 | - | 0.449 | 0.225 | 0.005 | 0.002 |
| HAS02 | 0.032 | 0.000 | 0.017 | - | 0.017 | 0.512 | 0.000 | 0.005 |
| CO2 | - | - | 88.000 | 0.818 | 88.000 | 800.000 | 1.999 | 18.176 |
| H2S | 1.190 | 0.035 | 1.410 | 0.041 | 1.020 | 2.040 | 0.030 | 0.060 |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 336.708 | 6.623 | 30.959 | 6.623 | 30.959 | 23.699 | 6.623 | 23.699 |
| CA/(HC03+CO3) | 0.532 | 1.538 | 0.081 | 1.538 | 0.081 | 10.459 | 1.538 | 10.459 |
| MG/CA | 0.300 | 0.216 | 0.684 | 0.216 | 0.684 | 0.660 | 0.216 | 0.660 |
| NA/CA | 39.228 | 1.571 | 18.870 | 1.571 | 18.870 | 10.911 | 1.571 | 10.911 |
| CL/(HC03+CO3) | 15.932 | 3.570 | 0.762 | 3.570 | 0.762 | 133.702 | 3.570 | 133.702 |
| CL/F | 642.892 | - | 1212.483 | - | 1212.483 | - | - | - |
| CL*10 ⁰ /(CL+S04+HC03+CO3) | 72.804 | 75.712 | 42.751 | 75.712 | 42.751 | 97.572 | 75.712 | 97.572 |
| S04*10 ⁰ /(CL+S04+HC03+CO3) | 2.601 | 3.079 | 1.168 | 3.079 | 1.168 | 1.698 | 3.079 | 1.698 |
| (HC03+CO3)*10 ⁰ /(CL+S04+HC03+CO3) | 1.4.555 | 21.209 | 56.081 | 21.209 | 56.081 | 0.730 | 21.209 | 0.730 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 36.802 | 59.786 | 92.044 | 59.786 | 92.044 | 87.264 | 59.786 | 87.264 |
| CA*10 ⁰ /(NA+K+CA+MG) | 2.460 | 33.065 | 4.725 | 33.065 | 4.725 | 7.674 | 33.065 | 7.674 |
| MG*10 ⁰ /(NA+K+CA+MG) | 0.732 | 7.149 | 3.231 | 7.149 | 3.231 | 5.062 | 7.149 | 5.062 |
| (CL+S04)*10 ⁰ /(CL+S04+HC03+CO3) | 95.445 | 78.791 | 43.919 | 78.791 | 43.919 | 99.270 | 78.791 | 99.270 |
| (HC03+CO3)*10 ⁰ /(CL+S04+HC03+CO3) | 4.555 | 21.209 | 56.081 | 4.555 | 56.081 | 0.730 | 21.209 | 0.730 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 56.802 | 59.786 | 92.044 | 56.802 | 92.044 | 87.264 | 56.802 | 87.264 |
| (CA+MG)*10 ⁰ /(NA+K+CA+MG) | 3.198 | 40.214 | 7.956 | 3.198 | 7.956 | 12.736 | 40.214 | 12.736 |

第3-2表 駒ヶ岳北部地域水質一覧表 (つづき)

| NO | NCC 29 | | | NCC 30 | | | NCC 31 | | | NCC 32 | | |
|----------------------------------|--------|------|-------|--------|------|-------|--------|-------|------|--------|------|-------|
| | 9.2 | 24.5 | 70.5 | 24.5 | 70.5 | 77.0 | 70.5 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| TEMP | 7.3 | 6.0 | 7.8 | 5.0 | 4.0 | 5.5 | 4.7 | 4.0 | 5.5 | 4.0 | 5.5 | 4.0 |
| TSM | 7.3 | 6.0 | 7.8 | 5.0 | 4.0 | 5.5 | 4.7 | 4.0 | 5.5 | 4.0 | 5.5 | 4.0 |
| PH(FD) | 7.3 | 6.0 | 7.8 | 5.0 | 4.0 | 5.5 | 4.7 | 4.0 | 5.5 | 4.0 | 5.5 | 4.0 |
| PH(LB) | 7.3 | 6.0 | 7.8 | 5.0 | 4.0 | 5.5 | 4.7 | 4.0 | 5.5 | 4.0 | 5.5 | 4.0 |
| H (MG/KG) (MVAL/KG) | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| K | 2076.0 | 30 | 90.1 | 306 | 7.8 | 179.3 | 0.2 | 179.3 | 0.2 | 179.3 | 0.2 | 179.3 |
| NA | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| NH4 | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| CA | 2.2 | 6.7 | 5.1 | 1.5 | 4.0 | 0.8 | 1.5 | 4.0 | 0.8 | 1.5 | 4.0 | 0.8 |
| MG | 0.4 | 3 | 0.1 | 1.5 | 0.1 | 1.5 | 0.1 | 1.5 | 0.1 | 1.5 | 0.1 | 1.5 |
| FF | 0.5 | 0.7 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MN | 0.1 | 0.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ZN | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CU | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| AL | 11.5 | 0.0 | 12.2 | 0.9 | 5.0 | 3.9 | 1.2 | 1.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| CL | 36.1 | 0.0 | 112.1 | 4.8 | 12.7 | 8.0 | 3.6 | 3.6 | 0.5 | 0.5 | 0.5 | 0.5 |
| BR | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| I | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| F | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| OH | 1.4 | 0.0 | 3.6 | 4.6 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 | 0.2 | 1.7 |
| S04 | 3.3 | 3.0 | 0.6 | 6.9 | 2.6 | 8.6 | 0.5 | 16.5 | 0.3 | 4.4 | 0.4 | 7.9 |
| S203 | 1.0 | 3.0 | 1.7 | 7.5 | 3.2 | 2.0 | 5.3 | 7.6 | 0.7 | 4.6 | 10.7 | 3.2 |
| HC03 | 1.0 | 3.0 | 1.7 | 7.5 | 3.2 | 2.0 | 5.3 | 7.6 | 0.7 | 4.6 | 10.7 | 3.2 |
| C03 | 1.0 | 3.0 | 1.7 | 7.5 | 3.2 | 2.0 | 5.3 | 7.6 | 0.7 | 4.6 | 10.7 | 3.2 |
| SI02 (MG/KG) (MVAL/KG) | 1.5 | 6.9 | 2.5 | 8 | 3.5 | 2.5 | 0.5 | 17.6 | 0.5 | 2.9 | 17.4 | 0.1 |
| HR02 | 2.5 | 1.0 | 4.0 | 1.0 | 1.4 | 3.0 | 0.3 | 19.0 | 0.6 | 4.3 | 23.7 | 0.9 |
| H3P04 | 0.6 | 6.2 | 0.0 | 0.7 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| HAS02 | 0.3 | 3.7 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C02 | 2.3 | 6.0 | 1.2 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| H2S | 2.6 | 3.5 | 0.1 | 7.7 | 0.9 | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| RN (*F-10 CURIE/L) | 24.5 | 16 | 35.3 | 89 | 15.2 | 20.5 | 15.2 | 20.5 | 15.2 | 20.5 | 15.2 | 20.5 |
| NA/K | 9.4 | 7.5 | 0.1 | 1.0 | 0.1 | 1.0 | 0.1 | 1.0 | 0.1 | 1.0 | 0.1 | 1.0 |
| CA/(4C03+C03) | 10.7 | 2.1 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 |
| MG/CA | 10.7 | 2.1 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 |
| NA/CA | 10.7 | 2.1 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 | 1.3 | 2.7 | 0.1 | 1.2 |
| CL/(HC03+C03) | 5.7 | 5.5 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 |
| CL/F | 5.7 | 5.5 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 |
| CL*100/(CL+S04+HC03+C03) | 5.7 | 5.5 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 | 4.2 | 4.9 | 0.1 | 6.2 |
| S04*100/(CL+S04+HC03+C03) | 14.7 | 1.9 | 0.1 | 1.9 | 5.8 | 7.0 | 0.1 | 1.9 | 5.8 | 7.0 | 0.1 | 1.9 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 87.3 | 3.7 | 0.1 | 3.7 | 89.4 | 83.3 | 0.1 | 83.3 | 89.4 | 83.3 | 0.1 | 83.3 |
| (NA+K)*100/(NA+K+CA+MG) | 7.2 | 8.0 | 0.1 | 8.0 | 7.4 | 7.4 | 0.1 | 7.4 | 7.4 | 7.4 | 0.1 | 7.4 |
| CA*100/(NA+K+CA+MG) | 4.7 | 9.4 | 0.1 | 9.4 | 3.7 | 3.7 | 0.1 | 3.7 | 3.7 | 3.7 | 0.1 | 3.7 |
| MG*100/(NA+K+CA+MG) | 5.2 | 2.1 | 0.1 | 2.1 | 4.3 | 4.3 | 0.1 | 4.3 | 4.3 | 4.3 | 0.1 | 4.3 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 14.7 | 1.9 | 0.1 | 1.9 | 5.8 | 7.0 | 0.1 | 5.8 | 7.0 | 7.0 | 0.1 | 5.8 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 87.3 | 3.7 | 0.1 | 3.7 | 89.4 | 83.3 | 0.1 | 83.3 | 89.4 | 83.3 | 0.1 | 83.3 |
| (NA+K)*100/(NA+K+CA+MG) | 7.2 | 8.0 | 0.1 | 8.0 | 7.4 | 7.4 | 0.1 | 7.4 | 7.4 | 7.4 | 0.1 | 7.4 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.6 | 2.5 | 0.1 | 2.5 | 10.7 | 10.7 | 0.1 | 10.7 | 10.7 | 10.7 | 0.1 | 10.7 |

第3-2表 駒が岳北部地域水質一覧表 (つづき)

| | NGC 33 | | NGC 34 | | NGC 35 | | NGC 36 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| NO | 157,500 | 4,020 | 165,000 | 4,221 | 81,000 | 2,072 | 94,000 | 2,405 |
| TEMP | 1710,000 | 75,690 | 1260,000 | 50,810 | 500,000 | 36,540 | 210,000 | 2,135 |
| TSM | 71.0 | 78.0 | 51.2 | 51.2 | 58.0 | 58.0 | 58.0 | 58.0 |
| PH(FD) | 53.1,000 | 4080,000 | 3274,000 | 3274,000 | 1339,000 | 1339,000 | 1339,000 | 1339,000 |
| PH(LB) | 6.50 | 6.70 | 6.80 | 6.80 | 7.10 | 7.10 | 7.10 | 7.10 |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 157,500 | 4,020 | 165,000 | 4,221 | 81,000 | 2,072 | 94,000 | 2,405 |
| NA | 1710,000 | 75,690 | 1260,000 | 50,810 | 500,000 | 36,540 | 210,000 | 2,135 |
| NH4 | | | | | | | | |
| CA | 100,000 | 5,005 | 100,000 | 5,150 | 112,800 | 5,629 | 141,400 | 7,056 |
| MG | 37,000 | 3,045 | 54,300 | 4,468 | 98,800 | 8,130 | 44,600 | 3,670 |
| FE | 0,200 | 0,007 | 0,100 | 0,004 | 0,100 | 0,004 | 0,800 | 0,029 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 1,000 | 0,111 | 0,300 | 0,059 | 1,000 | 0,111 | 1,400 | 0,156 |
| CL | 3701,000 | 76,195 | 1936,100 | 50,617 | 1365,900 | 35,711 | 74,500 | 2,102 |
| BR | 0,200 | 0,002 | 0,200 | 0,002 | 0,100 | 0,001 | 0,0 | 0,0 |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | 1,400 | 0,029 | 14,400 | 0,300 | 5,800 | 0,121 | 21,200 | 0,441 |
| S04 | | | | | | | | |
| S203 | | | | | | | | |
| HC03 | 622,700 | 10,006 | 750,300 | 12,297 | 1146,800 | 18,796 | 1360,700 | 22,302 |
| CO3 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 178,016 | 2,954 | 171,015 | 2,807 | 205,557 | 3,423 | 127,550 | 2,124 |
| HR02 | 204,700 | 5,128 | 141,500 | 3,685 | 107,500 | 2,453 | 32,400 | 0,739 |
| H3PO4 | | | | | | | | |
| HAS02 | | | | | | | | |
| CO2 | | | | | | | | |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 15,787 | 12,986 | 17,635 | 17,635 | 3,799 | 3,799 | 3,799 | 3,799 |
| CA/(HC03+CO3) | 0,490 | 0,421 | 0,421 | 0,299 | 0,316 | 0,316 | 0,316 | 0,316 |
| MG/CA | 0,608 | 0,563 | 0,608 | 0,563 | 0,520 | 0,520 | 0,520 | 0,520 |
| NA/CA | 15,123 | 10,582 | 10,582 | 6,492 | 1,295 | 1,295 | 1,295 | 1,295 |
| CL/(HC03+CO3) | 7,466 | 4,441 | 4,441 | 1,900 | 0,094 | 0,094 | 0,094 | 0,094 |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 42,154 | 81,258 | 81,258 | 65,371 | 8,459 | 8,459 | 8,459 | 8,459 |
| S04*100/(CL+S04+HC03+CO3) | 0,076 | 0,446 | 0,446 | 0,221 | 1,777 | 1,777 | 1,777 | 1,777 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 11,808 | 18,296 | 18,296 | 30,407 | 89,764 | 89,764 | 89,764 | 89,764 |
| (NA+K)*100/(NA+K+CA+MG) | 90,828 | 85,952 | 85,952 | 73,728 | 51,827 | 51,827 | 51,827 | 51,827 |
| CA*100/(NA+K+CA+MG) | 5,702 | 7,542 | 7,542 | 19,748 | 31,690 | 31,690 | 31,690 | 31,690 |
| MG*100/(NA+K+CA+MG) | 3,469 | 6,506 | 6,506 | 15,524 | 16,483 | 16,483 | 16,483 | 16,483 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 42,154 | 81,704 | 81,704 | 65,593 | 10,236 | 10,236 | 10,236 | 10,236 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 11,808 | 18,296 | 18,296 | 30,407 | 89,764 | 89,764 | 89,764 | 89,764 |
| (NA+K)*100/(NA+K+CA+MG) | 90,828 | 85,952 | 85,952 | 73,728 | 51,827 | 51,827 | 51,827 | 51,827 |
| (CA+MG)*100/(NA+K+CA+MG) | 9,172 | 14,048 | 14,048 | 25,272 | 48,173 | 48,173 | 48,173 | 48,173 |

第3-2表 駒が岳北部地域水質一覧表(つづき)

| | NGC 37 | NGC 38 | NGC 39 | NGC 40 |
|----------------------------------|----------|----------|----------|----------|
| NO | 30.0 | 54.0 | 58.7 | 37.0 |
| TSM | 2942.500 | 2170.500 | 2142.000 | 1515.500 |
| PH(FD) | 7.10 | 6.40 | 6.40 | 6.00 |
| PH(LR) | - | - | - | - |
| H (MG/KC) (MVAL/PG) | - | - | - | - |
| K | 5.000 | 2.174 | 1.432 | 1.356 |
| NA | 895.000 | 56.000 | 494.000 | 32.000 |
| NH4 | - | 494.000 | 21.489 | 348.000 |
| CA | 132.500 | 132.500 | 6.612 | 103.800 |
| MG | 17.400 | 56.400 | 4.477 | 45.700 |
| FE | 0.100 | 0.100 | 0.004 | 0.200 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.100 | 0.700 | 0.078 | 0.500 |
| CL | 1079.600 | 687.800 | 647.100 | 407.700 |
| RR | - | 0.100 | 0.100 | 0.0 |
| I | 0.0 | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 6.200 | 27.600 | 28.800 | 85.600 |
| S203 | - | - | - | - |
| HC03 | 1061.700 | 1037.300 | 942.700 | 707.800 |
| C03 | - | - | - | - |
| ST02 (MG/PG) (MMAL/KC) | 151.552 | 181.769 | 181.016 | 135.012 |
| HB02 | 103.600 | 76.700 | 72.700 | 44.800 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 0.200 | 0.500 | 0.015 | 0.400 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 17.906 | 15.001 | 15.850 | 18.493 |
| CA/(HC03+C03) | 0.320 | 0.389 | 0.428 | 0.446 |
| MG/CA | 0.217 | 0.677 | 0.677 | 0.726 |
| NA/GA | 5.888 | 3.250 | 3.250 | 2.923 |
| CL/(HC03+C03) | 1.750 | 1.141 | 1.181 | 0.991 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 63.468 | 52.470 | 53.213 | 46.219 |
| S04*100/(CL+S04+HC03+C03) | 0.269 | 1.554 | 1.748 | 7.162 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 36.263 | 45.976 | 45.039 | 46.619 |
| (NA+K)*100/(NA+K+CA+MG) | 33.635 | 67.397 | 67.323 | 64.091 |
| CA*100/(NA+K+CA+MG) | 13.452 | 19.441 | 19.485 | 20.804 |
| MG*100/(NA+K+CA+MG) | 2.913 | 13.163 | 13.192 | 15.105 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 63.737 | 54.024 | 54.961 | 53.381 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 36.263 | 45.976 | 45.039 | 46.619 |
| (NA+K)*100/(NA+K+CA+MG) | 33.635 | 67.397 | 67.323 | 64.091 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.365 | 32.603 | 32.677 | 35.909 |

第3-2表 駒が丘北部地域水質一覧表 (つづき)

| | NGC 41 | | NGC 42 | | NGC 43 | | NGC 44 | |
|---------------------------------|---------|--------|---------|--------|---------|--------|----------|--------|
| NO | 51.500 | 1.517 | 77.500 | 1.992 | 50.600 | 1.294 | 95.000 | 2.430 |
| TEMP | 92.500 | 4.024 | 617.500 | 26.861 | 186.500 | 8.113 | 810.000 | 35.235 |
| TSM | 916.500 | 6.577 | 108.200 | 5.199 | 118.200 | 5.898 | 78.800 | 3.932 |
| PH(FD) | 5.17 | 3.670 | 44.600 | 3.670 | 23.900 | 1.967 | 10.000 | 0.823 |
| PH(CLB) | | 0.031 | 0.360 | 0.011 | 1.700 | 0.061 | 3.100 | 0.111 |
| H (MG/KG)(MVAL/KC) | | | | | | | | |
| K | | | | | | | | |
| NA | | | | | | | | |
| NH4 | | | | | | | | |
| CA | | | | | | | | |
| MG | | | | | | | | |
| FE | | | | | | | | |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | | | | | | | | |
| CL | 154.200 | 4.350 | 783.600 | 22.105 | 138.300 | 3.901 | 1040.600 | 29.355 |
| BR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.100 | 0.001 |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 0.800 | 0.017 | 4.700 | 0.098 | 0.600 | 0.012 | 3.100 | 0.065 |
| S203 | | | | | | | | |
| HC03 | | | | | | | | |
| C03 | 776.000 | 11.290 | 927.200 | 15.197 | 814.600 | 13.351 | 832.900 | 13.651 |
| S102 (MG/KG)(MMOL/KG) | | | | | | | | |
| HR02 | 111.500 | 1.057 | 87.200 | 1.990 | 28.500 | 0.650 | 145.013 | 2.414 |
| H3P04 | 53.700 | 0.769 | | | | | 96.200 | 2.195 |
| HAS02 | | | | | | | | |
| C02 | | | | | | | | |
| H2S | | | 0.100 | 0.003 | | | 0.500 | 0.015 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 3.050 | | 13.550 | | 6.268 | | 14.499 | |
| CA/(HC03+C03) | 0.553 | | 0.355 | | 0.442 | | 0.288 | |
| MG/CA | 0.558 | | 0.640 | | 0.333 | | 0.209 | |
| NA/CA | 0.612 | | 4.975 | | 1.375 | | 8.961 | |
| CL/(HC03+C03) | 0.366 | | 1.455 | | 0.292 | | 2.150 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 6.743 | | 59.105 | | 22.597 | | 68.156 | |
| S04*100/(CL+S04+HC03+C03) | 0.102 | | 9.262 | | 0.072 | | 0.150 | |
| (HC03+C03)*100/(CL+S04+C03+C03) | 73.154 | | 40.633 | | 77.331 | | 31.695 | |
| (NA+K)*100/(NA+K+CA+MG) | 34.254 | | 75.079 | | 54.464 | | 88.791 | |
| CA*100/(NA+K+CA+MG) | 42.191 | | 14.241 | | 34.149 | | 9.269 | |
| MG*100/(NA+K+CA+MG) | 23.545 | | 9.680 | | 11.387 | | 1.940 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 36.806 | | 59.367 | | 22.669 | | 65.305 | |
| (HC03+C03)*100/(CL+S04+C03+C03) | 73.154 | | 40.633 | | 77.331 | | 31.695 | |
| (NA+K)*100/(NA+K+CA+MG) | 34.254 | | 75.079 | | 54.464 | | 88.791 | |
| (CA+MG)*100/(NA+K+CA+MG) | 65.736 | | 23.921 | | 45.536 | | 11.209 | |

第3-2表 駒が岳北部地下水質一覽表(つづき)

| NO | NCC 45 | | | NCC 46 | | | NCC 47 | | | NCC 48 | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 76.0 | 49.0 | 54.0 | 76.0 | 49.0 | 54.0 | 1826.000 | 54.0 | 62.0 | 1362.500 | 62.0 | 1362.500 |
| TFMP | 1517.000 | 1621.500 | 1621.500 | 1517.000 | 1621.500 | 1621.500 | 1517.000 | 1621.500 | 1517.000 | 1621.500 | 1621.500 | 1517.000 |
| TSM | 6.80 | 6.40 | 6.40 | 6.80 | 6.40 | 6.40 | 6.80 | 6.40 | 6.80 | 6.40 | 6.40 | 6.80 |
| PH(FD) | - | - | - | - | - | - | - | - | - | - | - | - |
| PH(LR) | - | - | - | - | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/MG) | - | - | - | - | - | - | - | - | - | - | - | - |
| K | 40.500 | 1.036 | 43.000 | 40.500 | 1.036 | 43.000 | 58.000 | 1.484 | 48.500 | 1.241 | 48.500 | 1.241 |
| NA | 394.600 | 17.139 | 379.000 | 394.600 | 17.139 | 379.000 | 470.000 | 20.445 | 224.000 | 9.744 | 224.000 | 9.744 |
| NH4 | - | - | - | - | - | - | - | - | - | - | - | - |
| CA | 179.100 | 3.937 | 120.000 | 179.100 | 3.937 | 120.000 | 107.400 | 5.359 | 180.800 | 9.022 | 180.800 | 9.022 |
| MG | 36.900 | 3.037 | 38.000 | 36.900 | 3.037 | 38.000 | 43.400 | 3.571 | 42.400 | 3.489 | 42.400 | 3.489 |
| FF | 0.300 | 0.011 | 2.800 | 0.300 | 0.011 | 2.800 | 1.100 | 0.039 | 0.100 | 0.004 | 0.100 | 0.004 |
| MN | - | - | - | - | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - | - | - | - | - |
| AL | 1.300 | 0.145 | 1.700 | 1.300 | 0.145 | 1.700 | 1.300 | 0.145 | 0.900 | 0.100 | 0.900 | 0.100 |
| CL | 309.000 | 11.002 | 537.200 | 309.000 | 11.002 | 537.200 | 733.900 | 20.703 | 65.600 | 1.851 | 65.600 | 1.851 |
| BR | - | - | - | - | - | - | - | - | - | - | - | - |
| I | 0.100 | 0.001 | 0.0 | 0.100 | 0.001 | 0.0 | 0.0 | - | 0.0 | - | 0.0 | - |
| F | - | - | - | - | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - | - | - | - | - |
| SO4 | 0.100 | 0.002 | 1.000 | 0.100 | 0.002 | 1.000 | 0.600 | 0.012 | 0.100 | 0.002 | 0.100 | 0.002 |
| S203 | - | - | - | - | - | - | - | - | - | - | - | - |
| HCO3 | 878.700 | 14.402 | 738.300 | 878.700 | 14.402 | 738.300 | 665.100 | 10.901 | 1403.500 | 23.003 | 1403.500 | 23.003 |
| CO3 | - | - | - | - | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 141.013 | 2.348 | 143.013 | 141.013 | 2.348 | 143.013 | 165.553 | 2.756 | 107.010 | 1.782 | 107.010 | 1.782 |
| HR02 | 40.300 | 0.920 | 70.600 | 40.300 | 0.920 | 70.600 | 69.300 | 1.581 | 33.700 | 0.769 | 33.700 | 0.769 |
| H3PO4 | - | - | - | - | - | - | - | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - | - | - | - | - |
| CO2 | - | - | - | - | - | - | - | - | - | - | - | - |
| H2S | 0.200 | 0.006 | 0.200 | 0.200 | 0.006 | 0.200 | - | - | - | - | - | - |
| RN (*F-10 CURIE/L) | - | - | - | - | - | - | - | - | - | - | - | - |
| NA/K | 16.544 | 14.949 | 14.949 | 16.544 | 14.949 | 14.949 | 13.780 | 7.854 | 7.854 | 7.854 | 7.854 | 7.854 |
| CA/(HCO3+CO3) | 0.621 | 0.495 | 0.495 | 0.621 | 0.495 | 0.495 | 0.492 | 0.387 | 0.387 | 0.387 | 0.387 | 0.387 |
| MG/CA | 0.340 | 0.522 | 0.522 | 0.340 | 0.522 | 0.522 | 0.666 | 3.815 | 1.080 | 1.080 | 1.080 | 1.080 |
| NA/CA | 1.918 | 2.746 | 2.746 | 1.918 | 2.746 | 2.746 | 3.815 | 1.899 | 0.080 | 0.080 | 0.080 | 0.080 |
| CL/(HCO3+CO3) | 0.764 | 1.232 | 1.232 | 0.764 | 1.232 | 1.232 | 1.899 | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | 43.303 | 55.560 | 55.560 | 43.303 | 55.560 | 55.560 | 65.482 | 7.445 | 7.445 | 7.445 | 7.445 | 7.445 |
| SO4*100/(CL+SO4+HCO3+CO3) | 0.208 | 0.076 | 0.076 | 0.208 | 0.076 | 0.076 | 0.040 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 56.487 | 44.364 | 44.364 | 56.487 | 44.364 | 44.364 | 34.478 | 92.546 | 92.546 | 92.546 | 92.546 | 92.546 |
| (NA+K)*100/(NA+K+CA+MG) | 60.285 | 65.808 | 65.808 | 60.285 | 65.808 | 65.808 | 71.060 | 46.752 | 46.752 | 46.752 | 46.752 | 46.752 |
| CA*100/(NA+K+CA+MG) | 29.643 | 22.462 | 22.462 | 29.643 | 22.462 | 22.462 | 17.367 | 38.398 | 38.398 | 38.398 | 38.398 | 38.398 |
| MG*100/(NA+K+CA+MG) | 10.072 | 11.730 | 11.730 | 10.072 | 11.730 | 11.730 | 11.573 | 14.850 | 14.850 | 14.850 | 14.850 | 14.850 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 43.313 | 55.636 | 55.636 | 43.313 | 55.636 | 55.636 | 65.522 | 7.454 | 7.454 | 7.454 | 7.454 | 7.454 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 56.687 | 44.364 | 44.364 | 56.687 | 44.364 | 44.364 | 34.478 | 92.546 | 92.546 | 92.546 | 92.546 | 92.546 |
| (NA+K)*100/(NA+K+CA+MG) | 60.235 | 65.808 | 65.808 | 60.235 | 65.808 | 65.808 | 71.060 | 46.752 | 46.752 | 46.752 | 46.752 | 46.752 |
| (CA+MG)*100/(NA+K+CA+MG) | 59.715 | 34.192 | 34.192 | 59.715 | 34.192 | 34.192 | 28.940 | 53.248 | 53.248 | 53.248 | 53.248 | 53.248 |

第3-2表 駒ヶ岳北部地域水質一覧表(つづき)

| | HCC 49 | | HCC 50 | | HCC 51 | | HCC 52 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|
| NO | 52.0 | 61.0 | 42.0 | 47.0 | 42.0 | 47.0 | 42.0 | 47.0 |
| TEMP | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| TSM | 6.20 | 6.40 | 6.80 | 6.20 | 6.80 | 6.20 | 6.80 | 6.20 |
| PH(PD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(HVAL/KG) | 60.500 | 1.548 | 49.500 | 1.266 | 46.200 | 1.182 | 50.000 | 1.279 |
| K | 474.000 | 17.574 | 67.500 | 2.936 | 50.000 | 2.175 | 113.500 | 4.937 |
| NA | - | - | - | - | - | - | - | - |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 112.000 | 5.629 | 91.500 | 4.566 | 21.000 | 1.048 | 160.400 | 8.004 |
| MG | 17.600 | 4.700 | 25.000 | 2.157 | 10.200 | 0.897 | 61.300 | 5.044 |
| FE | 1.000 | 0.464 | 5.600 | 0.308 | 3.100 | 0.111 | 10.600 | 0.380 |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 1.500 | 9.167 | 1.500 | 0.167 | 0.900 | 0.100 | 1.400 | 0.156 |
| CL | 577.900 | 16.303 | 8.900 | 0.251 | 14.200 | 0.401 | 219.900 | 6.203 |
| BR | - | - | - | - | - | - | - | - |
| I | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| SO4 | 0.100 | 9.072 | 1.200 | 0.025 | 1.000 | 0.021 | 1.000 | 0.021 |
| SO3 | - | - | - | - | - | - | - | - |
| HC03 | 335.500 | 13.202 | 659.300 | 11.298 | 335.500 | 5.489 | 805.200 | 13.197 |
| CO3 | - | - | - | - | - | - | - | - |
| ST02 (MG/G)(MMOL/KG) | 1.9.015 | 2.814 | 155.399 | 2.587 | 96.547 | 1.608 | 139.551 | 2.324 |
| HP02 | 56.700 | 1.532 | 20.600 | 0.470 | 33.700 | 0.769 | 24.000 | 0.548 |
| H3P04 | - | - | - | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - |
| CO2 | - | - | - | - | - | - | - | - |
| H2S | - | - | - | - | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 11.356 | 2.319 | 2.319 | 1.840 | 1.840 | 1.840 | 3.860 | 3.860 |
| CA/(HC03+CO3) | 0.826 | 0.404 | 0.404 | 0.191 | 0.191 | 0.191 | 0.606 | 0.606 |
| MG/CA | 0.802 | 0.451 | 0.451 | 0.856 | 0.856 | 0.856 | 0.630 | 0.630 |
| NA/CA | 3.132 | 0.643 | 0.643 | 2.076 | 2.076 | 2.076 | 0.617 | 0.617 |
| CL/(HC03+CO3) | 1.235 | 0.022 | 0.022 | 0.073 | 0.073 | 0.073 | 0.470 | 0.470 |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+SO4+HC03+CO3) | 55.256 | 2.169 | 2.169 | 6.766 | 6.766 | 6.766 | 31.941 | 31.941 |
| SO4*100/(CL+SO4+HC03+CO3) | 0.007 | 0.216 | 0.216 | 0.352 | 0.352 | 0.352 | 0.107 | 0.107 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 44.743 | 97.615 | 97.615 | 92.882 | 92.882 | 92.882 | 67.952 | 67.952 |
| (NA+K)*100/(NA+K+CA+MG) | 64.840 | 38.320 | 38.320 | 63.316 | 63.316 | 63.316 | 32.268 | 32.268 |
| CA*100/(NA+K+CA+MG) | 19.037 | 42.177 | 42.177 | 19.766 | 19.766 | 19.766 | 41.548 | 41.548 |
| MG*100/(NA+K+CA+MG) | 16.073 | 19.004 | 19.004 | 16.919 | 16.919 | 16.919 | 26.185 | 26.185 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 55.257 | 2.385 | 2.385 | 7.118 | 7.118 | 7.118 | 32.048 | 32.048 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 44.743 | 97.615 | 97.615 | 92.882 | 92.882 | 92.882 | 67.952 | 67.952 |
| (NA+K)*100/(NA+K+CA+MG) | 64.840 | 38.320 | 38.320 | 63.316 | 63.316 | 63.316 | 32.268 | 32.268 |
| (CA+MG)*100/(NA+K+CA+MG) | 35.160 | 61.180 | 61.180 | 36.684 | 36.684 | 36.684 | 67.732 | 67.732 |

第3-2表 駒が丘北部地域水質一覧表 (つづき)

| NO | NGC 53 | | NGC 54 | | NGC 55 | | NGC 56 | |
|----------------------------------|---------|---------|----------|---------|---------|---------|----------|---------|
| | TEMP | PH(CFD) | TEMP | PH(CFD) | TEMP | PH(CFD) | TEMP | PH(CFD) |
| | 17.0 | 6.70 | 16.80 | 6.20 | 4.90 | 6.70 | 35.0 | 5.91 |
| TSM | 236.000 | | 1680.000 | | 490.000 | | | |
| PH(CFD) | 6.70 | | 6.20 | | 6.70 | | | |
| PH(CLR) | | | | | | | | |
| H (MG/KG)(M'VAL/KG) | | | | | | | | |
| K | 10.300 | 0.263 | 36.500 | 0.934 | 43.200 | 1.105 | 24.000 | 0.614 |
| NA | 14.200 | 0.618 | 377.500 | 16.421 | 38.800 | 1.688 | 370.000 | 16.095 |
| NH4 | | | | | | | | |
| CA | 21.900 | 1.093 | 120.200 | 5.998 | 27.500 | 1.372 | 93.700 | 4.676 |
| MG | 13.000 | 1.070 | 41.500 | 3.415 | 11.600 | 0.955 | 12.000 | 0.887 |
| FE | 0.700 | 0.025 | 1.000 | 0.036 | 0.500 | 0.018 | 0.120 | 0.004 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 1.200 | 0.133 | 2.500 | 0.278 | 1.000 | 0.111 | 0.055 | 0.006 |
| CL | 14.200 | 0.401 | 540.600 | 15.250 | 3.500 | 0.099 | 328.000 | 9.253 |
| BR | | | | | | | | |
| I | 0.0 | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 10.900 | 0.227 | 3.300 | 0.069 | 0.800 | 0.017 | 107.000 | 2.228 |
| S203 | | | | | | | | |
| HC03 | 11.200 | 2.150 | 756.400 | 12.397 | 335.500 | 5.499 | | |
| C03 | | | | | | | | |
| ST02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HB02 | 17.543 | 0.792 | 143.013 | 2.381 | 156.322 | 2.603 | | |
| H3P04 | 8.700 | 0.199 | 19.600 | 0.447 | 11.800 | 0.269 | | |
| HAS02 | | | | | | | | |
| C02 | | | | | | | | |
| H2S | | | | | | | 1164.100 | 26.448 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 2.344 | | 17.588 | | | 1.527 | 26.217 | |
| CA/(HC03+C03) | 0.508 | | 0.484 | | | 0.250 | | |
| MG/CA | 0.979 | | 0.569 | | | 0.696 | 0.211 | |
| NA/CA | 0.565 | | 2.738 | | | 1.230 | 3.442 | |
| CL/(HC03+C03) | 0.186 | | 1.230 | | | 0.018 | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 14.420 | | 55.023 | | | 1.759 | | |
| S04*100/(CL+S04+HC03+C03) | 8.169 | | 0.248 | | | 0.257 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 77.410 | | 44.729 | | | 97.945 | | |
| (NA+K)*100/(NA+K+CA+MG) | 28.950 | | 64.835 | | | 54.551 | 74.687 | |
| CA*100/(NA+K+CA+MG) | 35.973 | | 22.407 | | | 26.803 | 20.899 | |
| MG*100/(NA+K+CA+MG) | 35.146 | | 12.758 | | | 18.643 | 4.414 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 22.590 | | 55.271 | | | 2.055 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 77.410 | | 44.729 | | | 97.945 | | |
| (NA+K)*100/(NA+K+CA+MG) | 28.950 | | 64.835 | | | 54.551 | 74.687 | |
| (CA+MG)*100/(NA+K+CA+MG) | 71.050 | | 35.165 | | | 45.449 | 25.313 | |

第3-2表 駒が丘北部地域水質一覧表(つづき)

| NO | TEMP | TSM | PH(FD) | PH(LB) | NCC 57 | | NCC 59 | | HCC 59 | | NGC 60 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|--------|---------|----------|--------|
| | | | | | 16.0 | 5.2.0 | 39.000 | 0.988 | 38.000 | 0.972 | 53.0 | 44.0 |
| H (MG/KG) (MAYAL/%) | 5,500 | 0.174 | 0.988 | 0.972 | 39.000 | 0.988 | 38.000 | 0.972 | 53.0 | 44.0 | 500,000 | 21,750 |
| K | 1,8,000 | 4.611 | 22,707 | 22,707 | 59,000 | 22,707 | 59,000 | 22,707 | 22,707 | 22,707 | 2034,000 | 6.20 |
| NH4 | 111,000 | 5,539 | 6,188 | 6,188 | 124,000 | 6,188 | 124,000 | 6,188 | 6,238 | 4,674 | 122,000 | 6,082 |
| CA | 13,000 | 18,045 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 | 0.270 |
| MG | 6,900 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 | 0.297 |
| FE | — | — | — | — | — | — | — | — | — | — | — | — |
| MN | — | — | — | — | — | — | — | — | — | — | — | — |
| ZN | — | — | — | — | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — | — | — | — | — |
| PR | — | — | — | — | — | — | — | — | — | — | — | — |
| AL | 0.609 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 | 0.067 |
| CL | 12,100 | 0.341 | 21,891 | 21,891 | 775,000 | 21,891 | 775,000 | 21,891 | 21,778 | 0.026 | 639,000 | 18,026 |
| BF | — | — | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| I | — | — | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 | 0.176 |
| F | — | — | — | — | — | — | — | — | — | — | — | — |
| OH | — | — | — | — | — | — | — | — | — | — | — | — |
| SO4 | 5,500 | 0.104 | — | — | — | — | — | — | 0.947 | — | — | — |
| S203 | — | — | — | — | — | — | — | — | — | — | — | — |
| HCO3 | 13,000 | 21,389 | 550,000 | 15,571 | — | — | — | — | 15,390 | — | 794,000 | 13,014 |
| CO3 | — | — | — | — | — | — | — | — | — | — | — | — |
| ST02 (MG/%) (MMOL/KG) | 118,472 | 1,973 | 196,941 | 3,279 | 196,941 | 3,279 | 2,001 | 3,330 | 3,330 | 443,886 | 7,351 | 7,351 |
| HR02 | 0.000 | 9,123 | 121,000 | 2,761 | 121,000 | 2,761 | 75,000 | 1,712 | 1,712 | 64,000 | 1,460 | 1,460 |
| H3PO4 | — | — | — | — | — | — | — | — | — | — | — | — |
| HAS02 | — | — | — | — | — | — | — | — | — | — | — | — |
| CO2 | 12,000 | 3,400 | 480,000 | 10,906 | 480,000 | 10,906 | 394,000 | 7,361 | 7,361 | — | — | — |
| H2S | 0.370 | 0.611 | 9,208 | 0.270 | 9,208 | 0.270 | 9,100 | 0.267 | 0.267 | 7,000 | 0.205 | 0.205 |
| RN (*F=10 CHRF/L) | — | — | — | — | — | — | — | — | — | — | — | — |
| NA/K | 32,774 | 22,761 | 22,761 | 23,450 | 22,761 | 23,450 | 23,450 | 23,450 | 23,450 | 25,766 | 0,468 | 0,468 |
| CA/(HCO3+CO3) | 0,259 | 0,397 | 0,397 | 0,405 | 0,397 | 0,405 | 0,405 | 0,405 | 0,405 | 0,468 | 0,468 | 0,468 |
| MG/CA | 1,976 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 | 0,749 |
| NA/CA | 0,832 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 | 3,670 |
| CL/(HCO3+CO3) | 0,016 | 1,406 | 1,406 | 1,415 | 1,406 | 1,415 | 1,415 | 1,415 | 1,415 | 1,415 | 1,415 | 1,415 |
| CL/F | — | — | — | — | — | — | — | — | — | — | — | — |
| CL*100/(CL+SO4+HCO3+CO3) | 1,563 | — | — | 57,137 | — | — | — | 57,137 | 57,137 | — | — | — |
| SO4*100/(CL+SO4+HCO3+CO3) | 0,477 | — | — | 2,485 | — | — | — | 2,485 | 2,485 | — | — | — |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 97,050 | — | — | 40,378 | — | — | — | 40,378 | 40,378 | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 22,377 | — | — | 68,534 | — | — | — | 68,534 | 68,534 | — | — | — |
| CA*100/(NA+K+CA+MG) | 26,074 | — | — | 17,987 | — | — | — | 17,987 | 17,987 | — | — | — |
| MG*100/(NA+K+CA+MG) | 1,540 | — | — | 13,479 | — | — | — | 13,479 | 13,479 | — | — | — |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 2,003 | — | — | 59,622 | — | — | — | 59,622 | 59,622 | — | — | — |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 97,960 | — | — | 40,378 | — | — | — | 40,378 | 40,378 | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 22,377 | — | — | 68,534 | — | — | — | 68,534 | 68,534 | — | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | 77,623 | — | — | 31,466 | — | — | — | 31,466 | 31,466 | — | — | — |

第3-2表 駒が岳北部地域水質一覧表 (つづき)

| | NGC 65 | NGC 66 | NGC 67 | NGC 68 |
|----------------------------------|----------|--------|----------|---------|
| NO | 91.0 | 71.0 | 65.0 | 44.0 |
| TEMP | 46.5 | 29.0 | 39.7 | 924.0 |
| TSM | 7.4 | 6.9 | 6.4 | 5.9 |
| PH(7D) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG) (P/L/R/G) | - | - | - | - |
| K | 135.000 | 3.453 | 86.000 | 14.000 |
| NA | 1396.000 | 60.726 | 824.000 | 165.000 |
| NH4 | - | - | - | - |
| CA | 95.900 | 4.785 | 122.000 | 97.100 |
| MG | 68.500 | 3.991 | 35.300 | 36.600 |
| FE | 0.560 | 0.021 | 5.000 | 16.600 |
| MN | - | - | - | 0.620 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 9.600 | 0.067 | 40.000 | 3.000 |
| CL | 2202.000 | 62.118 | 1277.000 | 80.500 |
| BR | 7.700 | 0.096 | 5.500 | 0.200 |
| I | 0.500 | 0.004 | 0.200 | 0.037 |
| F | - | - | - | - |
| OH | 23.500 | 0.489 | - | 6.600 |
| SO4 | - | - | - | - |
| S2O3 | - | - | - | - |
| HCO3 | 857.000 | 13.718 | 864.000 | 790.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MML/KG) | - | - | - | - |
| SI02 | 210.788 | 3.510 | 247.715 | 140.782 |
| HPO4 | 195.000 | 4.222 | 129.000 | 75.000 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 100.000 | 2.272 | 150.000 | 925.000 |
| H2S | 4.400 | 0.129 | 0.960 | 4.500 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 17.585 | 18.493 | 16.294 | 20.042 |
| CA/(HCO3+CO3) | 0.349 | 0.269 | 0.430 | 0.374 |
| MG/CA | 3.834 | 1.427 | 0.477 | 0.622 |
| NA/CA | 12.690 | 8.274 | 5.888 | 1.481 |
| CL/(HCO3+CO3) | 4.528 | 2.380 | 2.544 | 0.175 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | 81.386 | 70.189 | - | 14.788 |
| SO4*100/(CL+SO4+HCO3+CO3) | 0.641 | 0.316 | - | 0.895 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 17.973 | 28.494 | - | 84.517 |
| (NA+K)*100/(NA+K+CA+MG) | 57.970 | 78.228 | 80.882 | 48.956 |
| CA*100/(NA+K+CA+MG) | 6.559 | 8.970 | 12.943 | 31.478 |
| MG*100/(NA+K+CA+MG) | 5.471 | 12.802 | 6.176 | 19.566 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 82.027 | 70.506 | - | 15.683 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 17.973 | 28.494 | - | 84.517 |
| (NA+K)*100/(NA+K+CA+MG) | 57.970 | 78.228 | 80.882 | 48.956 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.030 | 12.772 | 19.118 | 51.044 |

第3-2表 駒が岳北部地域水質一覽表 (つづき)

| | NGC 69 | NGC 70 | NGC 71 | NGC 72 |
|----------------------------------|----------|-----------|-----------|---------|
| NO | 35.0 | 63.0 | 64.0 | 45.0 |
| TEMP | 17.5,000 | 17.95,000 | 13.78,000 | 312,000 |
| TSM | 7.30 | 6.40 | 6.80 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 54,000 | 35,000 | 59,000 | 26,000 |
| NA | 266,000 | 356,000 | 208,000 | 26,000 |
| NH4 | - | - | - | - |
| CA | 22,700 | 4,626 | 163,000 | 19,800 |
| MC | 11,100 | 9,913 | 38,500 | 3,168 |
| FF | 1,710 | 0,925 | 0,260 | 0,009 |
| MN | - | - | 0,860 | 0,031 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 7,000 | 6,000 | 121,000 | 13,454 |
| CL | 12,9,000 | 34,106 | 71,900 | 2,028 |
| BR | 3,300 | 0,041 | 0,082 | 0,001 |
| T | 0,230 | 0,002 | 0,101 | 0,001 |
| F | - | - | - | - |
| GH | - | - | - | - |
| S04 | 7,200 | 0,150 | 29,000 | 0,604 |
| S203 | - | - | - | - |
| HC03 | 1116,000 | 823,000 | 1476,000 | 24,192 |
| C03 | - | - | - | - |
| S102 (MG/"G) (MMOL/KG) | 1,3,063 | 3,009 | 110,010 | 1,832 |
| HR02 | 13,000 | 3,693 | 25,000 | 0,571 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 156,000 | 3,500 | 344,000 | 5,504 |
| H2S | 5,600 | 0,154 | 13,100 | 0,384 |
| RN (*F=10 CURIE/L) | - | - | - | - |
| NA/K | 35,658 | 17,297 | 5,995 | 1,701 |
| CA/(HC03+C03) | 0,253 | 0,085 | 0,336 | 0,280 |
| MG/CA | 3,197 | 0,539 | 0,390 | - |
| NA/CA | 9,084 | 2,369 | 1,112 | 1,145 |
| CL/(HC03+C03) | 1,865 | 1,073 | 0,084 | 0,075 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 34,905 | 51,356 | 7,562 | - |
| S04*100/(CL+S04+HC03+C03) | 0,245 | 0,776 | 2,251 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 39,849 | 47,868 | 90,187 | - |
| (NA+K)*100/(NA+K+CA+MG) | 88,741 | 61,956 | 48,297 | - |
| CA*100/(NA+K+CA+MG) | 9,402 | 24,723 | 37,210 | - |
| MG*100/(NA+K+CA+MG) | 1,852 | 13,321 | 14,094 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 55,191 | 52,132 | 9,813 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 34,819 | 47,868 | 90,187 | - |
| (NA+K)*100/(NA+K+CA+MG) | 88,741 | 61,956 | 48,297 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 11,259 | 38,004 | 51,703 | - |

第3-2表 駒が丘北部地域水質一覧表 (つづき)

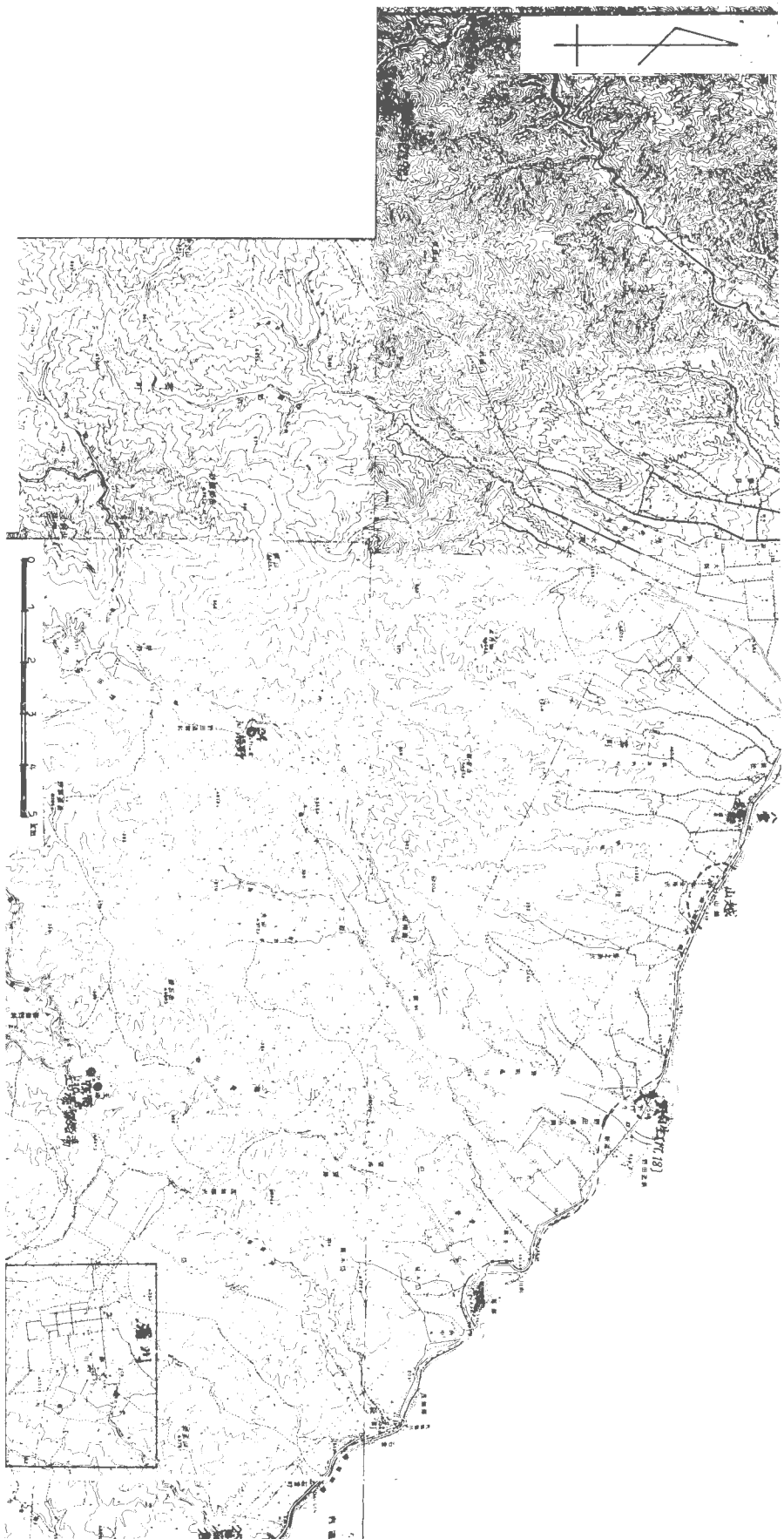
| | NCC 73 | | NCC 74 | | NCC 75 | | NCC 76 | |
|----------------------------------|---------|----------|----------|----------|----------|----------|----------|----------|
| | 64.0 | 57.0 | 57.0 | 62.0 | 62.0 | 61.0 | 61.0 | 61.0 |
| NO | 590.000 | 1092.000 | 1092.000 | 6706.000 | 6706.000 | 6006.000 | 6006.000 | 6006.000 |
| TEMP | 6.40 | 6.10 | 6.10 | 6.80 | 6.80 | 6.50 | 6.50 | 6.50 |
| TSM | - | - | - | - | - | - | - | - |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LLB) | - | - | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 26.000 | 0.665 | 35.000 | 0.972 | 116.000 | 2.967 | 104.000 | 2.660 |
| NA | 53.000 | 2.293 | 116.000 | 5.046 | 2000.000 | 87.000 | 1936.000 | 84.216 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 59.200 | 2.954 | 126.000 | 6.287 | 141.000 | 7.036 | 85.900 | 4.286 |
| MG | 11.600 | 0.555 | 56.800 | 4.674 | 26.000 | 2.140 | 15.100 | 1.243 |
| FE | 4.300 | 0.154 | 11.800 | 0.423 | 0.190 | 0.007 | - | - |
| MN | 0.360 | 0.013 | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | 1.000 | 0.111 | 70.000 | 7.783 | 14.000 | 1.557 | - | - |
| CL | 10.300 | 0.291 | 170.000 | 4.909 | 2360.000 | 66.576 | 2120.000 | 59.805 |
| BR | - | - | 0.480 | 0.006 | - | - | - | - |
| I | - | - | 0.029 | 0.000 | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | 1173.000 | 24.422 | 999.000 | 20.799 |
| SO4 | - | - | - | - | - | - | - | - |
| S2O3 | - | - | - | - | 1318.000 | 21.602 | 1080.000 | 17.701 |
| HCO3 | 451.000 | 7.592 | 876.000 | 14.358 | - | - | - | - |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| BR02 | 179.243 | 2.318 | 159.245 | 2.651 | 265.402 | 4.419 | 110.010 | 1.832 |
| H3PO4 | - | - | 26.040 | 0.593 | 134.000 | 3.058 | 115.000 | 2.624 |
| HASO2 | - | - | - | - | - | - | - | - |
| CO2 | 78.000 | 1.772 | 250.000 | 5.680 | 187.000 | 4.249 | 250.000 | 5.680 |
| H2S | 0.440 | 0.014 | 1.300 | 0.038 | - | - | - | - |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | 3.597 | 5.191 | 5.191 | 29.320 | - | - | 31.656 | - |
| CA/(HCO3+CO3) | 0.400 | 0.438 | 0.438 | 0.242 | - | - | 0.242 | - |
| MG/CA | 0.323 | 0.743 | 0.743 | 0.304 | - | - | 0.290 | - |
| NA/CA | 0.810 | 0.903 | 0.903 | 12.365 | - | - | 19.647 | - |
| CL/(HCO3+CO3) | 0.039 | 0.342 | 0.342 | 3.082 | - | - | 3.379 | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | - | - | 59.126 | - | - | 60.836 | - |
| S04*100/(CL+S04+HCO3+CO3) | - | - | - | 21.889 | - | - | 21.158 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | - | 19.185 | - | - | 18.006 | - |
| (NA+K)*100/(NA+K+CA+MG) | 45.891 | 35.443 | 35.443 | 90.745 | - | - | 94.017 | - |
| CA*100/(NA+K+CA+MG) | 42.406 | 37.029 | 37.029 | 7.097 | - | - | 4.639 | - |
| MG*100/(NA+K+CA+MG) | 13.703 | 27.528 | 27.528 | 2.158 | - | - | 1.345 | - |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | - | - | 80.815 | - | - | 81.994 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | - | 19.185 | - | - | 18.006 | - |
| (NA+K)*100/(NA+K+CA+MG) | 43.891 | 35.443 | 35.443 | 90.745 | - | - | 94.017 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 56.109 | 64.557 | 64.557 | 9.255 | - | - | 5.983 | - |

第3-2表 駒が岳北部地域水質一覧表 (つづき)

| | NGC 77 | NGC 78 | NGC 79 |
|----------------------------------|----------|----------|----------|
| NO | 51.0 | 38.0 | 38.0 |
| TEMP | 6265.000 | 6262.000 | 1625.000 |
| TSM | 6.91 | 6.70 | 5.70 |
| PH(FD) | — | — | — |
| PH(1R) | — | — | — |
| H (MG/KG)(MVAL/SG) | — | — | — |
| K | 130.000 | 3.325 | 0.998 |
| NA | 1454.000 | 63.249 | 16.400 |
| NH4 | — | 78.000 | 39.000 |
| CA | 52.000 | 504.000 | 377.000 |
| MG | 70.910 | 75.400 | — |
| FE | 2.100 | — | 150.000 |
| MN | 5.400 | 0.075 | 21.900 |
| ZN | — | 0.197 | — |
| CU | — | — | — |
| PB | — | — | — |
| AL | 17.000 | — | — |
| CL | 2350.000 | 66.294 | 45.136 |
| BR | — | — | 452.000 |
| I | — | — | — |
| F | — | — | — |
| OH | — | — | — |
| S04 | 360.000 | 17.905 | 13.000 |
| S203 | — | — | — |
| HC03 | 1344.000 | 22.028 | 659.000 |
| C03 | — | — | 10.801 |
| S102 (MG/KG)(MMOL/KG) | 143.090 | 2.382 | 0.653 |
| H002 | 72.000 | 1.643 | 0.616 |
| H3P04 | — | — | — |
| HAS02 | — | — | — |
| C02 | 243.000 | 5.521 | 18.040 |
| H2S | 1.600 | 0.047 | 0.022 |
| RN (*E-10 CURIE/L) | — | — | — |
| NA/K | 19.070 | 20.973 | 16.439 |
| CA/(HC03+C03) | 1.341 | 1.429 | 0.693 |
| MG/CA | 0.198 | 0.247 | 0.241 |
| NA/CA | 2.141 | 1.664 | 2.191 |
| CL/(HC03+C03) | 3.009 | 2.564 | 1.181 |
| CL/F | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 62.407 | 55.060 | 53.524 |
| S04*100/(CL+S04+HC03+C03) | 16.856 | 23.467 | 1.136 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.737 | 21.473 | 45.339 |
| (NA+K)*100/(NA+K+CA+MG) | 65.301 | 58.304 | 65.196 |
| CA*100/(NA+K+CA+MG) | 24.976 | 33.445 | 28.050 |
| MG*100/(NA+K+CA+MG) | 5.773 | 8.251 | 6.754 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 79.263 | 78.527 | 54.661 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.737 | 21.473 | 45.339 |
| (NA+K)*100/(NA+K+CA+MG) | 65.301 | 58.304 | 65.196 |
| (CA+MG)*100/(NA+K+CA+MG) | 34.699 | 41.696 | 34.804 |

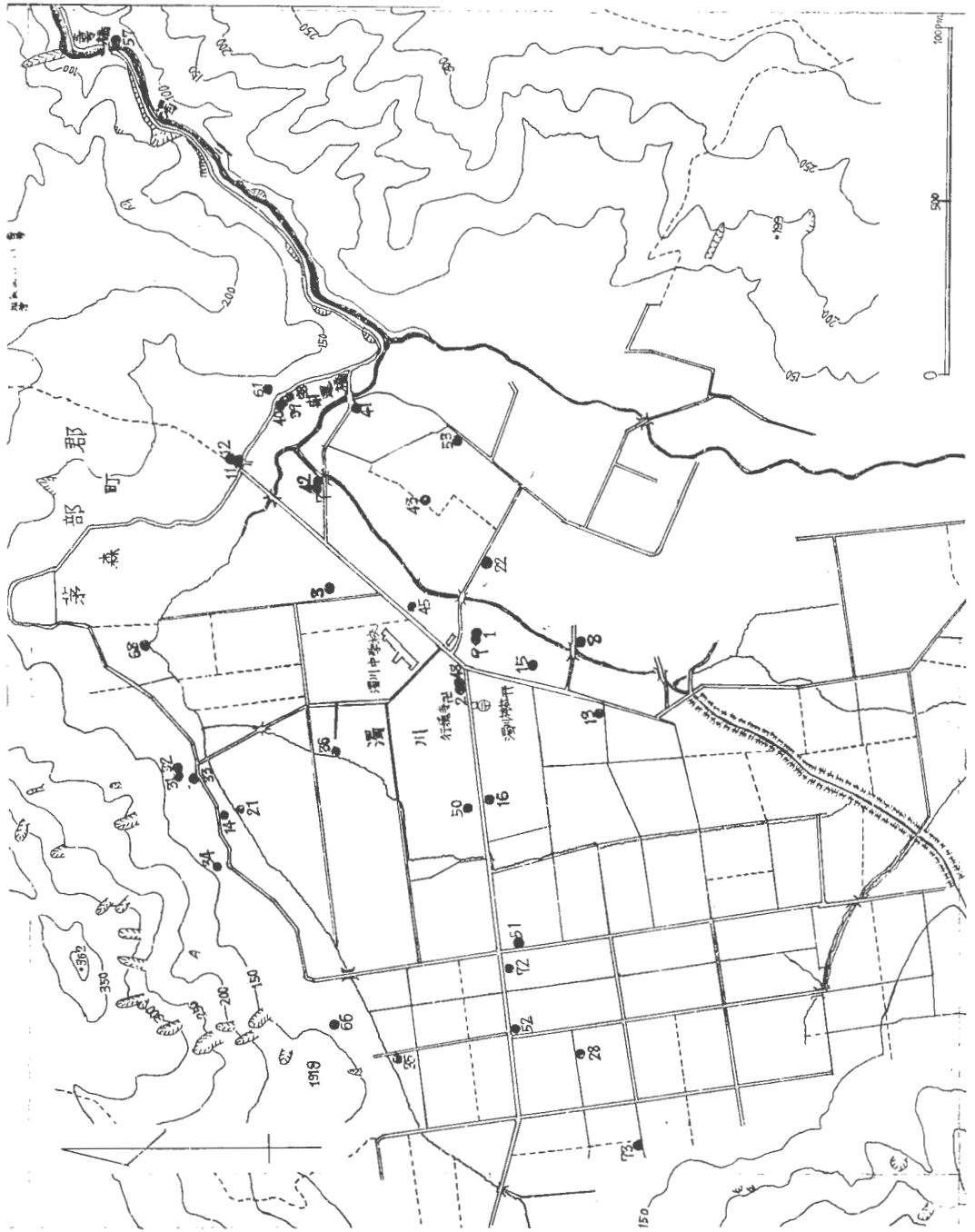
第3-3表 胸が岳北部地域特定成分含量の頻度分布表

| FREQUENCY DATA OF ZN , CU , PR , AS AND H2S | | | | | |
|---|----|-------|----------------------|----|-------|
| ZN | N | F(%) | CU | N | F(%) |
| ND | 67 | 84.8 | ND | 63 | 79.7 |
| <0.500 | 12 | 15.2 | <0.300 | 16 | 20.3 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 79 | 100.0 | TOTAL | 79 | 100.0 |
| PR | N | F(%) | AS | N | F(%) |
| ND | 72 | 91.1 | ND | 64 | 81.0 |
| <0.100 | 7 | 8.9 | <0.050 | 7 | 8.9 |
| <1.000 | 0 | 0. | <0.500 | 8 | 10.1 |
| >1.000 | 0 | 0. | <5.000 | 0 | 0. |
| TOTAL | 79 | 100.0 | >5.000 | 0 | 0. |
| H2S | N | F(%) | TOTAL | 79 | 100.0 |
| ND | 21 | 26.5 | TOTAL | 79 | 100.0 |
| < 1.000 | 23 | 29.1 | | | |
| < 1.000 | 34 | 43.0 | N= NUMBER OF SAMPLES | | |
| <100.000 | 1 | 1.3 | F= FREQUENCY(%) | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 79 | 100.0 | | | |



第3-1図 駒ヶ岳北部地域における温泉の分布および試料採取地(齊藤ら、1962による)

第3-2図 試料採取地(濁川温泉)

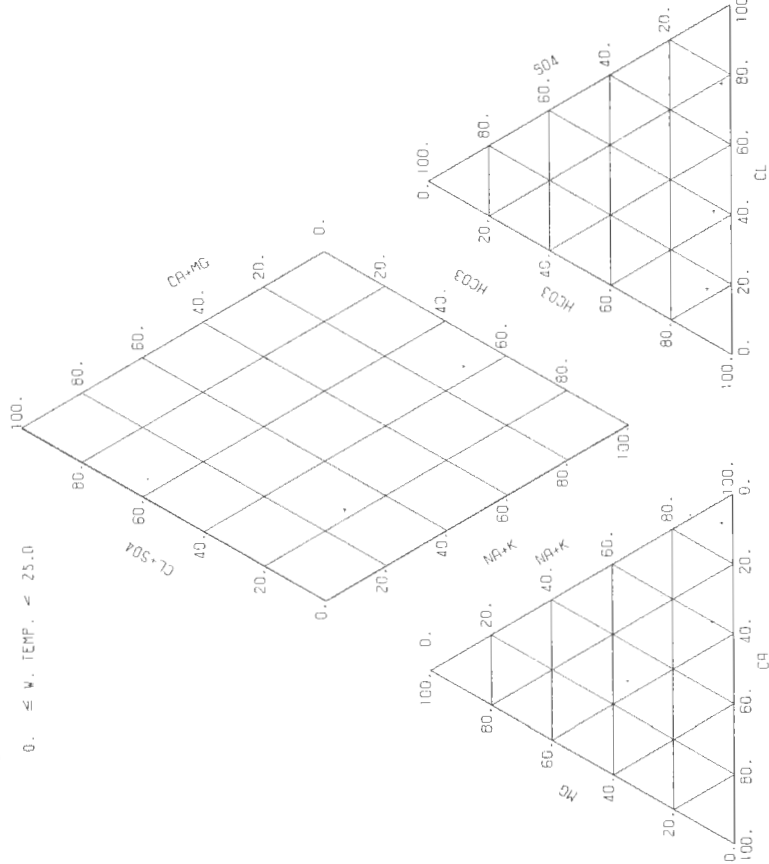


第3-3図 駒が丘北部地域水質組成図（その1）（水温25℃未満）

NORTH KOMAGATAKE

AREA CODE NDC

0. ≦ W. TEMP. < 25.0

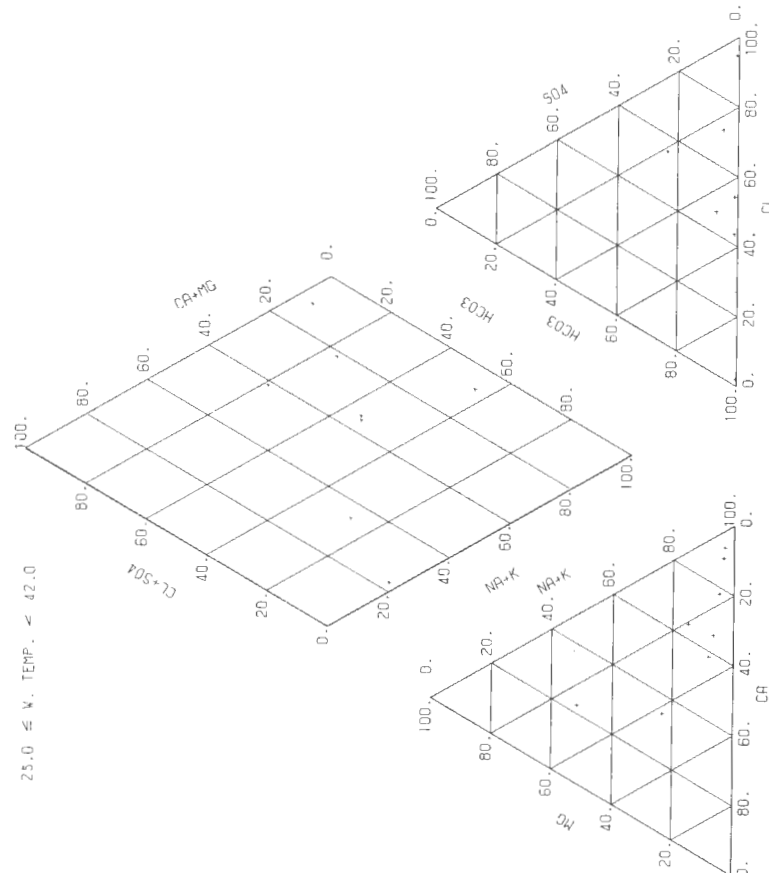


第3-3図 駒が丘北部地域水質組成図（その2）（水温25℃以上42℃未満）

NORTH KOMAGATAKE

AREA CODE NDC

25.0 ≦ W. TEMP. < 42.0

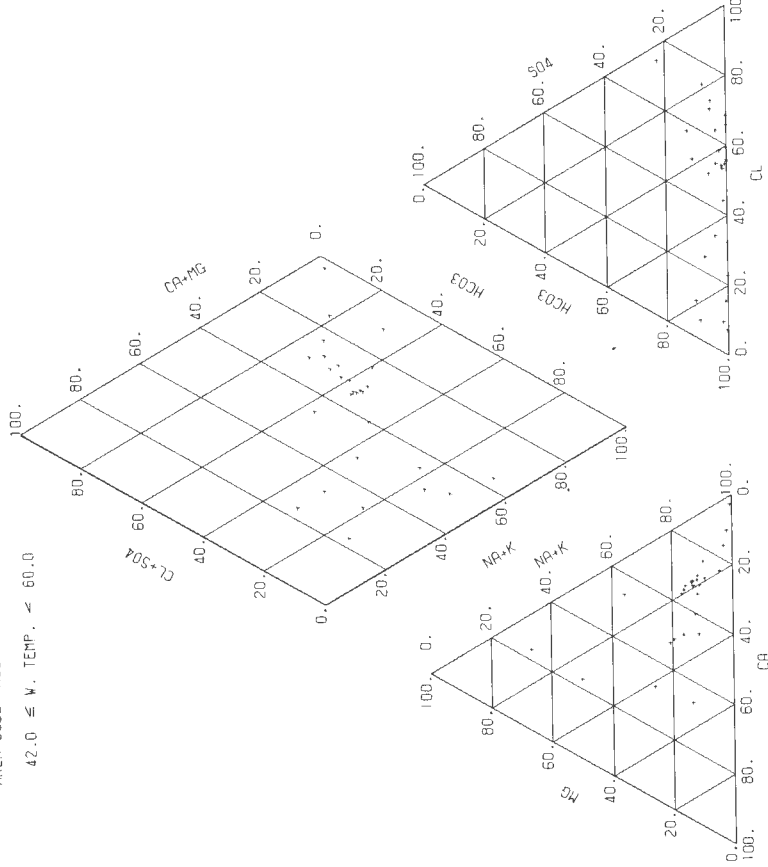


第 3-3 図 駒が岳北部地域水質組成図 (その 3) (水温 42℃ 以上 60℃ 未満)

NORTH KOMAGATAKE

AREA CODE NGC

42.0 ≤ W. TEMP. < 60.0

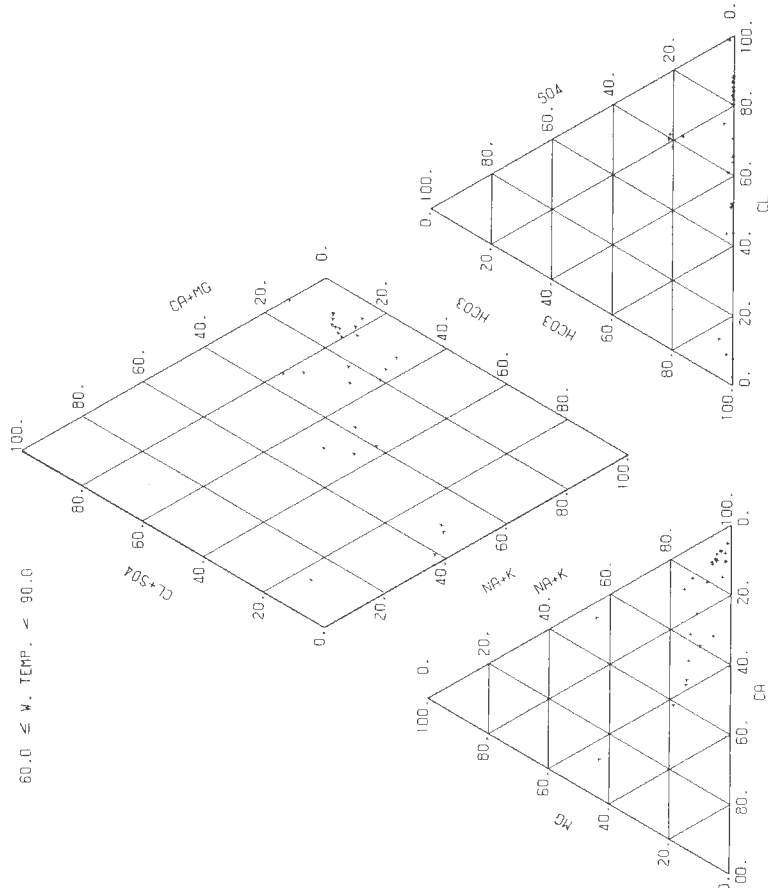


第 3-3 図 駒が岳北部地域水質組成図 (その 4) (水温 60℃ 以上 90℃ 未満)

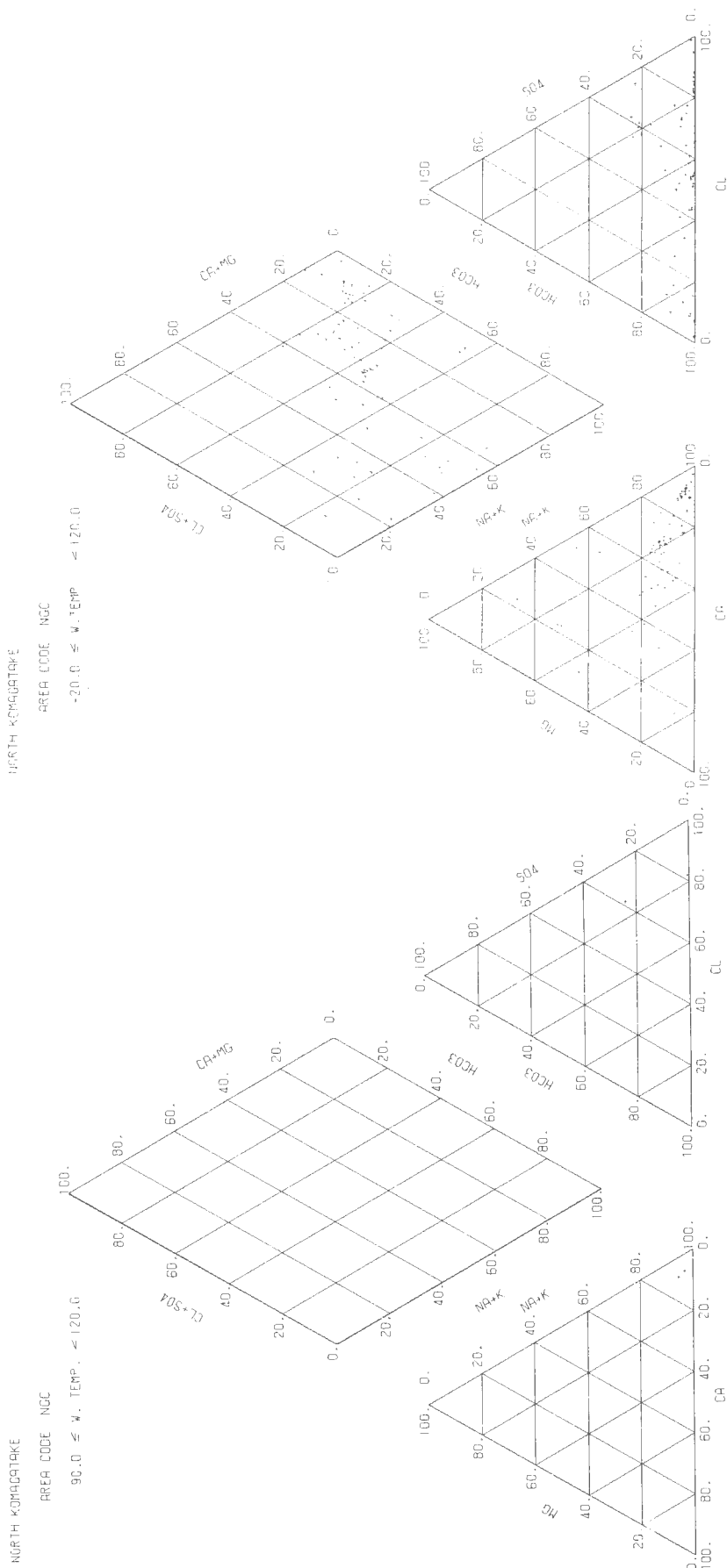
NORTH KOMAGATAKE

AREA CODE NGC

60.0 ≤ W. TEMP. < 90.0



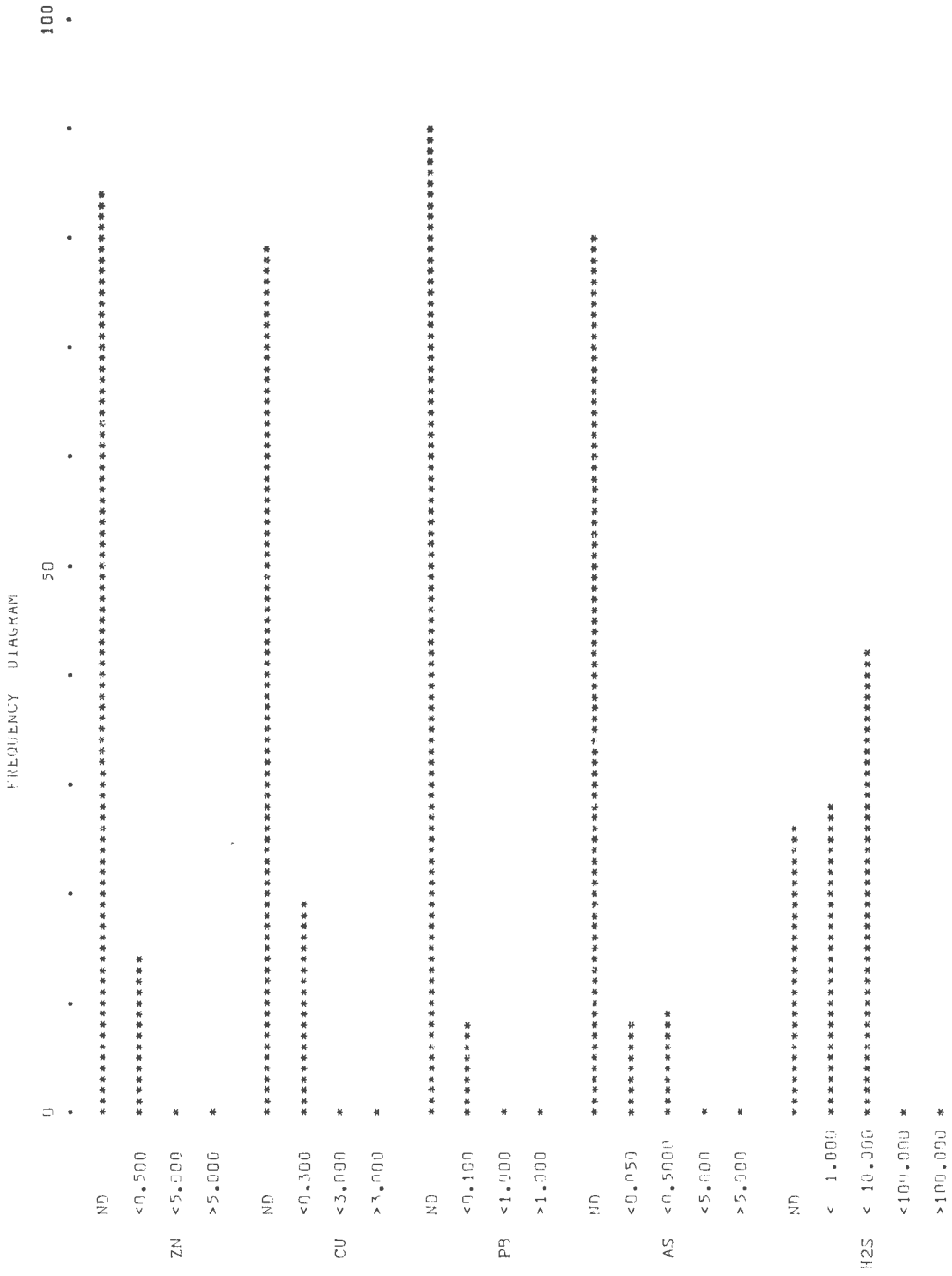
第3-3図 駒が丘北部地蔵水質組成図 (その5) (水温90℃以上120℃未満)



第3-3図 駒が丘北部地蔵水質組成図 (その6) (全試料)

100.0

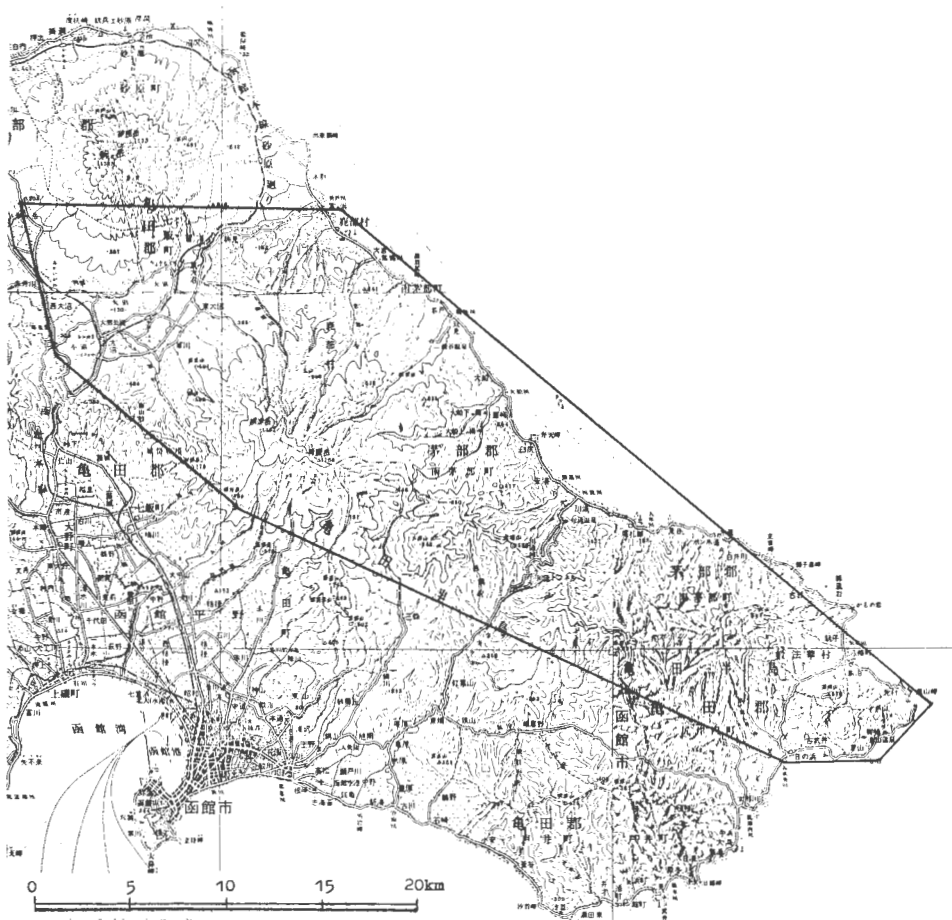
第3-4図 駒が丘北部地域特定成分含量の頻度分布図



4. 駒が岳南部 Southern part of Komagatake

| | |
|-------|--|
| 位置 | 北海道亀田郡尻岸内町，同郡七飯町，同郡榎法華村， 茅部郡南茅部町，同郡森町，同郡鹿部村 |
| データ数 | 50 |
| 収集・整理 | 五十嵐昭明・比留川 貴 |
| 協力 | 北海道衛生研究所，森保健所，渡島保健所 |

調査位置図（20万分の1地勢図 室蘭，尻屋崎，函館）



第4-1表 駒が岳南部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|--------------------------|-------|----------------|--------------|-------|-------------|---------------------|
| SKC-1 | 北海道亀田郡七飯町字東大沼42 | 大沼温泉 | 留の湯 | 1955. 3. 19 | 13 | 336 | Q=7l/m, F |
| "-2 | " 茅部郡鹿部村字鹿部20 | 鹿部温泉 | 鶴の湯 | " 11. 16 | " | 386 | Q=8l/m, F |
| "-3 | " " " " 44 | " | 吉の湯1号 | " 11. 16 | " | 387 | D=0m, Q=15l/m, F |
| "-4 | " " " " 31 | " | 亀の湯 | " 11. 16 | " | 388 | D=45m, Q=15l/m, F |
| "-5 | " " " " 49 | " | 吉の湯2号 | " 11. 16 | " | 389 | D=0m, Q=24l/m, F |
| "-6 | " " " " 58 | " | 鹿の湯1号 | " 11. 16 | " | 390 | D=11m, Q=27l/m, F |
| "-7 | " " " " 58 | " | " 2号 | " 11. 16 | " | 391 | D=12m, Q=18l/m, F |
| "-8 | " " " " 118 | " | 喜久の湯 | " 11. 16 | " | 392 | D=60m, F |
| "-9 | " " " " 100の33 | " | 真の湯 | " 11. 16 | " | 393 | D=70m, Q=7l/m, F |
| "-10 | " " " " 南茅部町字東海721 | 磯谷温泉 | はまや旅館1号 | " 11. 15 | " | 394 | D=0m, Q=76l/m, F |
| "-11 | " " " " 721 | " | " 2号 | " 11. 15 | " | 395 | D=0m, Q=34l/m, F |
| "-12 | " " " " 721 | " | " 3号 | " 11. 15 | " | 396 | D=0m, Q=65l/m, F |
| "-13 | " " " " 宇川汲179地先 | 川汲温泉 | 明林荘 | " 11. 14 | " | 397 | D=0m, Q=46l/m, F |
| "-14 | " " " " 910 | " | 川汲温泉ホテル | " 11. 14 | " | 398 | D=0m, Q=280l/m, F |
| "-15 | " " " " 亀田郡尻岸内町恵山字郡宅 | 恵山温泉 | (原田三知徳) | 1956. 9. 12 | " | 451 | D=0m, Q=130l/m, F |
| "-16 | " " " " 茅部郡森町字駒ヶ岳275 | 駒ヶ岳温泉 | 駒の湯 | 1959. 2. 16 | " | 566 | D=0m, Q=1000l/m, F |
| "-17 | " " " " 亀田郡七飯町字西大沼176 | 大沼温泉 | 山水旅館 | " 2. 17 | " | 567 | D=400m, Q=90l/m, F |
| "-18 | " " " " 尻岸内町字御崎60の1 | 恵山温泉 | (見上光治) | 1962. 8. 21 | " | 37-3020 | D=30m, F |
| "-19 | " " " " 七飯町字東大沼48 | 大沼温泉 | (山口武夫) | " 8. 22 | " | 37-3289 | D=33m, Q=15l/m, F |
| "-20 | " " " " 榎法草村字恵山岬106 | 恵山温泉 | (榎法草村) | " 11. 14 | " | 37-3973 | D=70m, Q=30l/m, P |
| "-21 | " " " " 茅部郡鹿部村字鹿部30 | 大沼温泉 | 亀の湯2号 | 1963. 3. 4 | " | 38-464 | D=100m, Q=21l/m, F |
| "-22 | " " " " 亀田郡七飯町字東大沼30 | 大沼温泉 | (大和土地観光K.K.) | " 9. 30 | " | 38-2385 | D=180m, Q=140l/m, F |
| "-23 | " " " " 茅部郡鹿部村字恵山岬88の2 | 恵山温泉 | (榎法草村) | 1966. 1. 26 | " | 41-315 | P |
| "-24 | " " " " 茅部郡鹿部村字鹿部250の21 | 鹿部温泉 | (鹿部村) | 1967. 10. 17 | " | 42-1524 | P |
| "-25 | " " " " 亀田郡七飯町字東大沼19の2 | 大沼温泉 | (七飯町) | 1968. 9. 5 | " | 43-2162 | F |
| "-26 | " " " " " 120 | " | 鈴木R-1 | 1969. 7. 24 | " | 44-961-18 | P |
| "-27 | " " " " " 123の4 | " | 鈴木R-2 | 1970. 4. 28 | " | 45-332-67 | F |
| "-28 | " " " " " 117 | " | 鈴木R-3 | 1971. 5. 13 | " | 46-229-132 | F |
| "-29 | " " " " " 字上軍川145 | " | (郵便学会) | " 8. 20 | " | 46-840-158 | P |
| "-30 | " " " " " 字東大沼28 | " | (小田急不動産K.K.) | " 11. 8 | " | 46-1258-174 | F |
| "-31 | " " " " " 尻岸内町字恒野117の54 | 恵山温泉 | (尻岸内町) | " 11. 12 | " | 46-1292-177 | P |
| "-32 | " " " " " 七飯町字大沼町194の1の2 | 大沼温泉 | (函館国際ホテル) | 1972. 5. 22 | " | 47-215-211 | P |
| "-33 | " " " " " 茅部郡鹿部村字鹿部32 | 鹿部温泉 | (K.K.ホテルニュー鹿部) | 1973. 1. 19 | " | 47-1170-259 | F |
| "-34 | " " " " " 南茅部町字大船 | 磯谷温泉 | 大船下の湯A | 1956. 7. 15 | 73 | 7A | |
| "-35 | " " " " " " " | " | F | " 7. 15 | " | 7B | |
| "-36 | " " " " " 字東海721 | " | はまや旅館1号 | " 7. 15 | " | 8A | SKC-10 と同一源泉 |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|------------------|------|---------|-------------|-------|---------------|--------------------|
| SKC-37 | 北海道茅部郡南茅部町字東海721 | 磯谷温泉 | はまや旅館3号 | 1956. 7. 15 | 73 | 8B | SKC-12 と同一源泉 |
| " | " | 鹿部温泉 | シンベの湯 | " | " | 9A | D=60m, Q=24 l/m, F |
| " | " | " | 鶴の湯 | " | " | 9B | SKC-2 と同一源泉 |
| " | " | " | 池田4号 | " | " | 9C | F |
| " | " | " | 亀の湯 | " | " | 9D | SKC-4 と同一源泉 |
| " | " | " | 吉の湯 C | " | " | 9F | D=82m, Q=24 l/m, F |
| " | " | " | 鹿の湯 B | " | " | 9G | SKC-6 と同一源泉 |
| " | " | " | 喜久の湯 | " | " | 9H | SKC-8 と同一源泉 |
| " | " | " | 留の湯 | " | " | 10 | SKC-1 と同一源泉 |
| " | " | 大沼温泉 | 山水閣 | " | " | 11 | SKC-17 と同一源泉 |
| " | " | " | 原田 | " | " | 4 | SKC-15 と同一源泉 |
| " | " | 恵山温泉 | 御崎 | " | " | 5 | |
| " | " | " | 明林荘 | " | " | 6A | SKC-13 と同一源泉 |
| " | " | 川汲温泉 | 川汲温泉ホテル | " | " | 6B | SKC-14 と同一源泉 |

源泉名の()は申請者名、

備考欄のDは深度(m)、Qは湧・揚水量(l/m)、Fは白噴、Pはポンプ揚水、D=0m……Fは自然湧出を示す。

第4-2表 駒が岳南部地域水質一覽表

| NO | SKC 1 | SKC 2 | SKC 3 | SKC 4 |
|----------------------------------|---------|----------|----------|----------|
| TEMP | 47.0 | 98.0 | 63.0 | 79.0 |
| TSM | 724.800 | 3969.900 | 3063.000 | 2985.000 |
| PH(FD) | 7.60 | 8.00 | 6.60 | 6.60 |
| PH(CLR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.740 | 0.019 | 0.196 | 0.145 |
| NA | 108.900 | 4.737 | 884.200 | 874.700 |
| NH4 | | 7.630 | 5.660 | 6.270 |
| CA | 51.600 | 1199.800 | 0.010 | 0.001 |
| MG | 7.200 | 114.100 | 110.400 | 96.100 |
| FE | 9.670 | 6.500 | 25.400 | 4.600 |
| MN | 0.280 | 0.162 | 0.590 | 0.483 |
| ZN | | 0.160 | 0.637 | 0.023 |
| CU | | | | 0.055 |
| PB | | | | |
| AL | 13.400 | 5.100 | 5.000 | 12.800 |
| CL | 50.100 | 1.413 | 1042.400 | 1081.100 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 194.200 | 385.100 | 480.100 | 362.000 |
| S203 | | | | |
| HC03 | 241.300 | 338.800 | 453.900 | 414.300 |
| CO3 | | | | |
| SI02 (MG/KG)(NMOL/KG) | 42.007 | 1.365 | 43.235 | 102.855 |
| HR02 | 6.400 | 0.166 | 106.500 | 108.800 |
| H3P04 | 0.245 | 0.003 | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | | | | |
| RN (*F-10 CURIF/L) | | | | |
| NA/K | 250.256 | 265.666 | 265.658 | 237.236 |
| CA/(HC03+CO3) | 0.649 | 1.025 | 0.741 | 0.706 |
| MG/CA | 0.231 | 0.094 | 0.379 | 0.079 |
| NA/CA | 1.847 | 9.167 | 6.982 | 7.935 |
| CL/(HC03+CO3) | 0.357 | 8.229 | 3.953 | 4.491 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 15.017 | 77.103 | 62.778 | 68.037 |
| S04*100/(CL+S04+HC03+CO3) | 42.961 | 13.528 | 21.340 | 16.814 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.022 | 9.369 | 15.882 | 15.149 |
| (NA+K)*100/(NA+K+CA+MG) | 80.101 | 89.374 | 83.554 | 88.074 |
| CA*100/(NA+K+CA+MG) | 32.411 | 9.713 | 11.922 | 11.053 |
| MG*100/(NA+K+CA+MG) | 7.487 | 0.913 | 4.524 | 0.873 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 57.978 | 90.631 | 84.118 | 81.851 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.022 | 9.369 | 15.882 | 15.149 |
| (NA+K)*100/(NA+K+CA+MG) | 60.101 | 89.374 | 83.554 | 88.074 |
| (CA+MG)*100/(NA+K+CA+MG) | 39.899 | 10.626 | 16.446 | 11.926 |

第4-2表 駒が岳南部地域水質一覧表 (つづき)

| | SKC 5 | SKC 6 | SKC 7 | SKC 8 |
|----------------------------------|-----------|----------|----------|----------|
| NO | 60.0 | 76.0 | 61.5 | 43.0 |
| TFMP | 2,297.100 | 2685.700 | 2259.100 | 1865.800 |
| TSM | 6.80 | 6.80 | 6.60 | 7.60 |
| PH(FD) | - | - | - | - |
| PH(LLR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 4.850 | 0.124 | 0.145 | 0.135 |
| NA | 693.900 | 29.750 | 5.260 | 2.830 |
| NR4 | - | 741.000 | 634.700 | 534.600 |
| CA | 91.100 | 0.360 | 0.020 | 0.110 |
| MG | 5.400 | 4.047 | 5.349 | 20.000 |
| FF | 0.095 | 0.444 | 1.053 | 0.881 |
| MN | 0.228 | 0.003 | 0.510 | 0.024 |
| ZN | - | 0.008 | 0.018 | 0.146 |
| CU | - | 0.008 | 0.004 | 0.195 |
| PB | - | - | - | - |
| AL | 2.570 | 0.286 | 0.580 | - |
| CL (MG/KG)(MMOL/KG) | - | - | - | - |
| BR | 750.100 | 21.160 | 616.200 | 260.500 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 268.200 | 5.584 | 12.727 | 10.645 |
| S203 | - | - | - | - |
| HCO3 | 482.500 | 7.908 | 338.200 | 527.100 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 54.543 | 0.908 | 61.544 | 77.084 |
| H3PO4 | 73.200 | 1.870 | 66.600 | 51.000 |
| HAS02 | - | - | - | - |
| CO2 | 94.800 | 2.154 | 99.400 | 27.100 |
| H2S | 1.440 | 0.042 | 1.430 | 0.620 |
| RN (*F-10 CURIE/L) | - | 14.760 | - | - |
| NA/K | 239.795 | 222.633 | 205.197 | 321.241 |
| CA/(HC03+C03) | 0.512 | 0.837 | 0.795 | 0.116 |
| MG/CA | 0.110 | 0.197 | 0.200 | - |
| NA/CA | 7.351 | 6.026 | 6.266 | 23.302 |
| CL/(HC03+C03) | 2.676 | 3.170 | 3.136 | 0.851 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 61.064 | 51.456 | 51.779 | 30.204 |
| S04*100/(CL+S04+HC03+C03) | 16.114 | 32.515 | 31.709 | 34.289 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 22.821 | 16.230 | 16.511 | 35.508 |
| (NA+K)*100/(NA+K+CA+MG) | 56.931 | 83.490 | 83.995 | - |
| CA*100/(NA+K+CA+MG) | 11.776 | 13.794 | 13.340 | - |
| MG*100/(NA+K+CA+MG) | 1.293 | 2.716 | 2.666 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 77.179 | 83.770 | 83.489 | 64.492 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 22.821 | 16.230 | 16.511 | 35.508 |
| (NA+K)*100/(NA+K+CA+MG) | 86.931 | 83.490 | 83.995 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 13.069 | 16.510 | 16.005 | - |

第4-2表 駒が岳南部地域水質一覽表 (つづき)

| | SKC 9 | SKC 10 | SKC 11 | SKC 12 |
|----------------------------------|----------|----------|----------|----------|
| NO | 41.5 | 66.0 | 63.0 | 68.0 |
| TEMP | 1721.800 | 2276.800 | 2330.000 | 2705.000 |
| TSM | 7.20 | 6.80 | 6.80 | 7.20 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.630 | 4.450 | 4.650 | 4.850 |
| NA | 525.700 | 495.100 | 482.600 | 654.200 |
| NH4 | 0.110 | 0.090 | 0.005 | - |
| CA | 14.500 | 165.300 | 157.900 | 144.700 |
| MG | - | 43.800 | 67.800 | 50.300 |
| FE | 1.950 | 0.069 | - | - |
| MN | - | 1.340 | 1.370 | 1.500 |
| CU | - | - | - | - |
| ZN | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.700 | 2.590 | - | - |
| CL | 235.900 | 573.700 | 597.500 | 831.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 365.100 | 480.700 | 465.200 | 448.600 |
| S203 | - | - | - | - |
| HC03 | 603.700 | 466.100 | 492.300 | 436.300 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| H02 | 72.314 | 53.928 | 46.927 | 47.620 |
| H3P04 | 39.900 | 71.100 | 66.500 | 100.000 |
| HAS02 | - | - | - | - |
| C02 | 18.000 | 99.400 | 99.400 | 63.200 |
| H2S | 0.770 | 21.200 | 19.500 | 5.570 |
| RN (≠F-10 CURIE/L) | - | - | - | - |
| NA/K | 339.915 | 189.200 | 176.491 | 229.381 |
| CA/(HC03+C03) | 0.093 | 1.080 | 0.977 | 1.010 |
| MG/CA | - | 0.437 | 0.708 | 0.573 |
| NA/CA | 24.772 | 2.611 | 2.664 | 3.941 |
| CL/(HC03+C03) | 0.673 | 2.119 | 2.089 | 3.279 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 27.555 | 47.837 | 48.702 | 58.707 |
| S04*100/(CL+S04+HC03+C03) | 31.475 | 29.582 | 27.985 | 23.387 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.970 | 22.581 | 23.314 | 17.906 |
| (NA+K)*100/(NA+K+CA+MG) | - | 64.622 | 61.070 | 71.559 |
| CA*100/(NA+K+CA+MG) | - | 24.620 | 22.792 | 18.078 |
| MG*100/(NA+K+CA+MG) | - | 10.758 | 16.139 | 10.363 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 59.030 | 77.419 | 76.686 | 82.094 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.970 | 22.581 | 23.314 | 17.906 |
| (NA+K)*100/(NA+K+CA+MG) | - | 64.622 | 61.070 | 71.559 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 35.378 | 38.930 | 28.441 |

第4-2表 駒が岳南部地域水質一覽表 (つづき)

| | SKC 13 | SKC 14 | SKC 15 | SKC 16 |
|----------------------------------|---------|---------|----------|---------|
| NO | 45.0 | 47.0 | 47.0 | 25.0 |
| TEMP | 800.210 | 786.000 | 6843.000 | 902.500 |
| TSM | 8.40 | 8.40 | 2.20 | 6.80 |
| PH(CD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | 5.600 | - |
| K | 0.850 | 1.210 | 1.500 | 10.500 |
| NA | 57.100 | 93.500 | 41.000 | 143.700 |
| NH4 | - | - | - | - |
| CA | 127.200 | 129.000 | 302.300 | 63.600 |
| MG | 2.570 | - | 12.800 | 40.000 |
| FE | 0.050 | - | 1.053 | 3.292 |
| MN | - | - | 46.800 | 0.820 |
| ZN | - | - | 2.160 | 3.280 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 674.100 | 2.100 |
| CL | 24.600 | 24.600 | 570.900 | 100.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | 0.520 |
| OH | 0.043 | 0.043 | - | - |
| S04 | 443.100 | 447.100 | 4354.927 | 427.000 |
| S203 | - | - | - | - |
| HC03 | 24.200 | 29.200 | - | 96.600 |
| C03 | 0.560 | 0.560 | - | - |
| SI02 (MG/KG)(MMOL/KG) | 43.158 | 29.926 | 7.623 | 35.388 |
| HB02 | 24.300 | 24.300 | 128.500 | 53.900 |
| H3P04 | - | - | - | 1.634 |
| H4S02 | - | - | - | 0.087 |
| C02 | - | - | - | 18.000 |
| H2S | 1.340 | 1.350 | 1.100 | 0.310 |
| RN (*F-10 CURTE/L) | - | - | - | - |
| NA/K | 174.256 | 131.406 | 46.482 | 23.273 |
| CA/(HC03+C03) | 15.284 | 12.945 | - | 2.004 |
| MG/CA | 0.033 | - | 0.070 | 1.037 |
| NA/CA | 0.597 | 0.632 | 0.118 | 1.970 |
| CL/(HC03+C03) | 1.671 | 1.396 | - | 1.785 |
| CL/F | - | - | - | 103.265 |
| CL*100/(CL+S04+HC03+C03) | 6.715 | 6.609 | - | 21.253 |
| S04*100/(CL+S04+HC03+C03) | 89.266 | 88.655 | - | 66.843 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.019 | 4.736 | - | 11.904 |
| (NA+K)*100/(NA+K+CA+MG) | 36.749 | - | 10.144 | 50.209 |
| CA*100/(NA+K+CA+MG) | 61.212 | - | 83.991 | 24.441 |
| MG*100/(NA+K+CA+MG) | 2.040 | - | 5.865 | 25.350 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.981 | 95.264 | - | 88.096 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.019 | 4.736 | - | 11.904 |
| (NA+K)*100/(NA+K+CA+MG) | 36.749 | - | 10.144 | 50.209 |
| (CA+MG)*100/(NA+K+CA+MG) | 63.251 | - | 89.856 | 49.791 |

第4-2表 駒ヶ岳南部地域水質一覧表(つづき)

| | SKC 17 | | SKC 18 | | SKC 19 | | SKC 20 | |
|----------------------------------|--------|---------|----------|---------|---------|---------|---------|---------|
| | NO | 39.0 | 45.0 | 52.0 | 52.0 | 52.5 | 52.5 | 52.5 |
| TEMP | | 295.300 | 1893.000 | 741.000 | 741.000 | 718.000 | 718.000 | 718.000 |
| TSM | | 7.40 | 6.20 | 7.00 | 7.00 | 8.00 | 8.00 | 8.00 |
| PH(CFD) | | - | - | - | - | - | - | - |
| PH(CLB) | | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KC) | | | | | | | | |
| K | 5.100 | 0.130 | 21.000 | 0.537 | 4.600 | 0.118 | 5.800 | 0.148 |
| NA | 57.000 | 2.480 | 180.000 | 7.830 | 220.000 | 9.570 | 103.000 | 4.481 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 11.200 | 0.559 | 253.000 | 12.625 | 5.700 | 0.284 | 60.000 | 2.994 |
| MG | 1.500 | 0.123 | 82.500 | 6.772 | 2.000 | 0.165 | 24.000 | 1.975 |
| FE | 0.067 | 0.002 | 2.680 | 0.096 | 2.000 | 0.072 | 0.470 | 0.017 |
| MN | - | - | 1.680 | 0.061 | 0.330 | 0.012 | 0.230 | 0.008 |
| ZN | - | - | 0.115 | 0.004 | 0.053 | 0.002 | - | - |
| CU | - | - | 0.038 | 0.001 | 0.010 | 0.000 | - | - |
| PR | - | - | 0.029 | 0.000 | - | - | - | - |
| AL | 2.500 | 0.278 | 11.460 | 1.274 | 1.920 | 0.213 | 10.400 | 1.156 |
| CL | 33.700 | 0.951 | 429.500 | 12.116 | 49.700 | 1.402 | 56.800 | 1.602 |
| BR | - | - | - | - | - | - | - | - |
| I | 1.500 | 0.079 | 0.412 | 0.022 | 1.320 | 0.069 | 0.160 | 0.008 |
| OH | - | - | - | - | - | - | - | - |
| SO4 | 49.500 | 1.031 | 413.800 | 8.615 | 198.700 | 4.137 | 248.100 | 5.165 |
| SZ03 | - | - | - | - | - | - | - | - |
| HC03 | 90.800 | 1.488 | 518.500 | 8.498 | 292.800 | 4.799 | 250.100 | 4.099 |
| CO3 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 29.695 | 0.494 | 133.012 | 2.215 | 146.475 | 2.439 | 128.473 | 2.139 |
| HR02 | 58.400 | 1.333 | 78.400 | 1.789 | 4.900 | 0.112 | 26.800 | 0.612 |
| H3PO4 | 0.766 | 0.008 | 0.408 | 0.004 | 0.378 | 0.004 | 0.357 | 0.004 |
| HAS02 | 0.057 | 0.001 | 0.098 | 0.001 | 0.010 | 0.000 | 0.056 | 0.001 |
| CO2 | 9.020 | 0.205 | 277.200 | 6.298 | 258.700 | 5.878 | - | - |
| H2S | 0.380 | 0.011 | 1.000 | 0.029 | 2.200 | 0.065 | 1.700 | 0.050 |
| RN (*F-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 19.006 | 14.576 | 81.331 | 30.199 | 81.331 | 30.199 | 30.199 | 30.199 |
| CA/(HC03+CO3) | 0.376 | 1.486 | 0.059 | 0.730 | 0.059 | 0.730 | 0.730 | 0.730 |
| MG/CA | 0.221 | 0.536 | 0.579 | 0.660 | 0.579 | 0.660 | 0.660 | 0.660 |
| NA/CA | 4.437 | 0.620 | 33.646 | 1.496 | 33.646 | 1.496 | 1.496 | 1.496 |
| CL/(HC03+CO3) | 0.639 | 1.426 | 0.292 | 0.391 | 0.292 | 0.391 | 0.391 | 0.391 |
| CL/F | 12.040 | 558.667 | 20.178 | 190.246 | 20.178 | 190.246 | 190.246 | 190.246 |
| CL*100/(CL+S04+HC03+CO3) | 27.401 | 41.452 | 13.562 | 14.745 | 13.562 | 14.745 | 14.745 | 14.745 |
| SO4*100/(CL+S04+HC03+CO3) | 29.704 | 29.475 | 40.017 | 47.534 | 40.017 | 47.534 | 47.534 | 47.534 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.894 | 29.074 | 46.421 | 37.721 | 46.421 | 37.721 | 37.721 | 37.721 |
| (NA+K)*100/(NA+K+CA+MG) | 79.275 | 30.136 | 95.570 | 48.228 | 95.570 | 48.228 | 48.228 | 48.228 |
| CA*100/(NA+K+CA+MG) | 16.976 | 45.471 | 2.806 | 31.195 | 2.806 | 31.195 | 31.195 | 31.195 |
| MG*100/(NA+K+CA+MG) | 3.749 | 24.393 | 1.624 | 20.577 | 1.624 | 20.577 | 20.577 | 20.577 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 57.106 | 70.926 | 53.579 | 62.279 | 53.579 | 62.279 | 62.279 | 62.279 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.894 | 29.074 | 46.421 | 37.721 | 46.421 | 37.721 | 37.721 | 37.721 |
| (NA+K)*100/(NA+K+CA+MG) | 79.275 | 30.136 | 95.570 | 48.228 | 95.570 | 48.228 | 48.228 | 48.228 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.725 | 69.864 | 4.430 | 51.772 | 4.430 | 51.772 | 51.772 | 51.772 |

第4-2表 駒が岳南部地域水質一覧表(つづき)

| | SKC 21 | SKC 22 | SKC 23 | SKC 24 |
|----------------------------------|----------|---------|----------|----------|
| NO | 97.0 | 41.0 | 56.0 | 85.0 |
| TEMP | 3370.000 | 366.000 | 5954.500 | 3091.500 |
| TSM | 7.20 | 7.40 | 7.60 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 93.600 | 2.800 | 0.072 | 64.000 |
| NA | 922.000 | 73.400 | 3.193 | 922.000 |
| NH4 | - | - | - | - |
| CA | 172.900 | 15.700 | 0.783 | 77.000 |
| MG | 11.100 | 0.213 | 0.156 | 15.824 |
| FE | 3.480 | 0.017 | 0.054 | 14.500 |
| MN | 0.450 | 0.016 | 0.008 | 4.100 |
| ZN | 0.037 | 0.030 | 0.001 | 0.024 |
| CU | - | 0.023 | 0.001 | 0.026 |
| PB | - | - | 0.000 | 0.000 |
| AL | 10.400 | 6.500 | 0.723 | 6.190 |
| CL | 1309.900 | 17.800 | 0.502 | 1216.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.200 | 0.700 | 0.037 | 0.360 |
| OH | - | - | - | - |
| S04 | 431.900 | 29.600 | 0.616 | 190.000 |
| S203 | - | - | - | - |
| HC03 | 439.200 | 234.000 | 3.835 | 569.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 105.473 | 56.236 | 0.936 | 95.393 |
| HR02 | 118.700 | 2.709 | 0.256 | 116.000 |
| H3PO4 | 0.071 | 0.001 | 0.002 | 0.051 |
| HAS02 | 0.016 | 0.016 | 0.000 | 0.001 |
| CO2 | 52.800 | 13.200 | 0.300 | 74.800 |
| H2S | 1.700 | 1.500 | 0.044 | 0.850 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 16.751 | 44.579 | 43.699 | 24.499 |
| CA/(HC03+CO3) | 0.199 | 0.204 | 0.715 | 0.412 |
| MG/CA | 0.106 | 0.200 | 2.294 | 0.311 |
| NA/CA | 4.649 | 4.076 | 11.116 | 10.438 |
| CL/(HC03+CO3) | 5.133 | 0.131 | 8.515 | 3.678 |
| CL/F | 584.984 | 13.627 | 1786.348 | 1810.165 |
| CL*100/(CL+S04+HC03+CO3) | 89.534 | 10.137 | 80.937 | 72.088 |
| S04*100/(CL+S04+HC03+CO3) | 16.921 | 12.441 | 9.557 | 8.315 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 13.546 | 77.423 | 9.506 | 19.598 |
| (NA+K)*100/(NA+K+CA+MG) | 81.667 | 77.647 | 77.539 | 89.236 |
| CA*100/(NA+K+CA+MG) | 16.578 | 18.634 | 6.819 | 8.214 |
| MG*100/(NA+K+CA+MG) | 1.755 | 3.719 | 15.642 | 2.551 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 36.454 | 22.577 | 90.494 | 80.402 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 13.546 | 77.423 | 9.506 | 19.598 |
| (NA+K)*100/(NA+K+CA+MG) | 81.667 | 77.647 | 77.539 | 89.236 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.333 | 22.353 | 22.461 | 10.764 |

第4-2表 駒が岳南部地域水質一覧表(つづき)

| | SKC 25 | SKC 26 | SKC 27 | SKC 28 |
|----------------------------------|----------|----------|-----------|----------|
| NO | 37.0 | 52.0 | 58.5 | 42.0 |
| TEMP | 258.0000 | 360.0000 | 1270.0000 | 255.0000 |
| TSM | 8.00 | 7.40 | 8.80 | 7.80 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 7.000 | 5.000 | 16.000 | 0.409 |
| NA | 37.000 | 77.000 | 335.000 | 14.573 |
| NH4 | - | - | - | - |
| CA | 22.000 | 23.600 | 22.300 | 1.113 |
| MG | 3.000 | 2.000 | 14.700 | 1.210 |
| FE | 1.080 | 0.247 | 0.165 | 0.100 |
| MN | - | 0.039 | 0.005 | 0.390 |
| ZN | - | 0.130 | 0.040 | 0.013 |
| CU | 0.021 | 0.004 | - | - |
| PB | 0.020 | 0.001 | - | - |
| AL | 1.030 | 0.115 | 0.014 | 0.000 |
| CL | 19.500 | 6.000 | 5.600 | 0.823 |
| BR | - | 18.000 | 71.000 | 2.003 |
| I | - | 0.550 | - | - |
| F | 0.150 | 0.008 | 0.920 | 0.048 |
| OH | - | 0.360 | - | - |
| S04 | 32.000 | 117.000 | 573.000 | 11.930 |
| S203 | - | - | - | - |
| HC03 | 125.000 | 2.049 | 250.000 | 4.098 |
| C03 | - | 155.000 | - | - |
| SI02 (MG/KG)(MMOL/KG) | 65.467 | 36.926 | 44.004 | 25.695 |
| HR02 | 11.200 | 0.256 | 29.000 | 0.662 |
| H3PO4 | 0.255 | 0.003 | - | 0.112 |
| HASO2 | - | - | - | 0.005 |
| C02 | - | - | - | - |
| H2S | 1.190 | 0.035 | 0.850 | 0.025 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 8.989 | 26.188 | 35.605 | 14.965 |
| CA/(HC03+C03) | 0.536 | 0.464 | 0.272 | 0.390 |
| MG/CA | 0.225 | 0.140 | 1.087 | 0.192 |
| NA/CA | 1.466 | 2.844 | 13.096 | 2.230 |
| CL/(HC03+C03) | 0.269 | 0.200 | 0.489 | 0.182 |
| CL/F | 69.668 | 26.795 | 41.358 | 23.060 |
| CL*100/(CL+S04+HC03+C03) | 16.848 | 9.259 | 11.109 | 11.366 |
| S04*100/(CL+S04+HC03+C03) | 20.405 | 44.418 | 66.166 | 26.228 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 62.747 | 46.323 | 22.726 | 62.407 |
| (NA+K)*100/(NA+K+CA+MG) | 57.034 | 72.151 | 86.579 | 66.625 |
| CA*100/(NA+K+CA+MG) | 35.037 | 24.434 | 6.431 | 28.005 |
| MG*100/(NA+K+CA+MG) | 7.879 | 3.415 | 6.991 | 5.370 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 37.253 | 53.677 | 77.274 | 37.593 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 62.747 | 46.323 | 22.726 | 62.407 |
| (NA+K)*100/(NA+K+CA+MG) | 57.034 | 72.151 | 86.579 | 66.625 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.916 | 27.849 | 13.421 | 33.375 |

第4-2表 駒が岳南部地域水質一覽表 (つづき)

| | SKC 29 | SKC 30 | SKC 31 | SKC 32 |
|----------------------------------|---------|---------|-----------|---------|
| NO | 43.0 | 43.0 | 54.8 | 41.8 |
| TEMP | 467.000 | 265.400 | 2406.000 | 233.000 |
| TSM | 7.80 | 7.90 | 8.00 | 8.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 12.000 | 5.000 | 35.000 | 4.800 |
| NA | 114.000 | 40.000 | 7770.000 | 49.500 |
| NH4 | - | - | - | - |
| CA | 12.000 | 22.450 | 622.000 | 5.060 |
| MG | 4.710 | 0.0 | 461.000 | 2.040 |
| FE | 0.630 | 0.380 | 8.900 | 0.319 |
| MN | 0.030 | 0.130 | 4.600 | 0.355 |
| ZN | - | 0.055 | 0.0 | TR. |
| CU | - | 0.010 | 0.011 | - |
| PB | - | 0.0 | 0.0 | 0.011 |
| AL | 7.550 | 5.400 | 14.300 | 8.488 |
| CL | 14.200 | 14.200 | 13010.000 | 19.530 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.900 | 0.300 | 0.230 | 0.710 |
| OH | - | - | - | - |
| SO4 | 70.700 | 70.300 | 1846.000 | 16.250 |
| S2O3 | - | - | - | - |
| HC03 | 316.000 | 105.000 | 277.000 | 165.700 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 62.467 | 56.467 | 178.478 | 56.759 |
| RB02 | 8.960 | 0.204 | 103.000 | 10.950 |
| H3PO4 | 0.133 | 0.001 | 0.041 | 0.004 |
| HAS02 | 0.037 | 0.001 | 0.023 | 0.009 |
| CO2 | - | 4.400 | 4.400 | - |
| H2S | 1.150 | 1.360 | 0.765 | 1.530 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 16.155 | 13.604 | 377.522 | 17.537 |
| CA/(HC03+CO3) | 0.116 | 0.651 | 6.836 | 0.093 |
| MG/CA | 0.647 | 0.0 | 1.222 | 0.665 |
| NA/CA | 8.242 | 1.553 | 10.890 | 8.528 |
| CL/(HC03+CO3) | 0.077 | 0.233 | 80.839 | 0.203 |
| CL/F | 8.455 | 25.366 | 30313.541 | 14.741 |
| CL*100/(CL+S04+HC03+CO3) | 5.681 | 11.173 | 89.518 | 15.282 |
| S04*100/(CL+S04+HC03+CO3) | 20.874 | 40.825 | 9.374 | 9.385 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.446 | 48.002 | 1.107 | 75.333 |
| (NA+K)*100/(NA+K+CA+MG) | 34.224 | 62.510 | 83.089 | 84.410 |
| CA*100/(NA+K+CA+MG) | 9.577 | 37.490 | 7.610 | 9.364 |
| MG*100/(NA+K+CA+MG) | 6.199 | 0.0 | 9.301 | 6.226 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 26.554 | 51.998 | 98.893 | 24.667 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.446 | 48.002 | 1.107 | 75.333 |
| (NA+K)*100/(NA+K+CA+MG) | 84.224 | 62.510 | 83.089 | 84.410 |
| (CA+MG)*100/(NA+K+CA+MG) | 15.776 | 37.490 | 16.911 | 15.590 |

第4-2表 駒が岳南部地域水質一覧表(つづき)

| | SKC 33 | SKC 34 | SKC 35 | SKC 36 |
|----------------------------------|----------|----------|----------|----------|
| NO | 89.5 | 76.0 | 72.0 | 69.0 |
| TEMP | 3477.000 | 2762.000 | 2792.000 | 2312.000 |
| TSM | 7.60 | 6.50 | - | 6.30 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 82.000 | 48.000 | 47.000 | 50.000 |
| NA | 1116.000 | 852.000 | 808.000 | 479.000 |
| NH4 | - | - | - | - |
| CA | 104.700 | 161.000 | 131.000 | 190.000 |
| MG | 14.380 | 14.100 | - | 76.500 |
| FE | 0.315 | 0.080 | - | 6.295 |
| MN | 0.880 | 0.300 | - | 0.260 |
| ZN | - | - | - | 1.540 |
| CU | - | - | - | - |
| PB | 0.020 | - | - | - |
| AL | 2.249 | 3.000 | - | 2.000 |
| CL | 1384.000 | 1182.000 | 1207.000 | 637.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.840 | - | - | - |
| OH | - | - | - | - |
| S04 | 514.800 | 135.000 | - | 570.000 |
| S203 | - | - | - | - |
| HCO3 | - | - | - | - |
| CO3 | 456.400 | 434.000 | 423.000 | 539.000 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HBO2 | 83.777 | 129.242 | 163.092 | 42.312 |
| H3PO4 | 30.660 | 110.000 | 103.000 | 56.000 |
| HASO2 | 0.031 | - | - | - |
| C02 | 0.011 | - | - | - |
| C02 | 31.680 | 12.000 | - | 82.000 |
| H2S | 0.476 | 8.900 | - | 25.000 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 23.144 | 30.185 | 29.235 | 16.291 |
| CA/(HCO3+C03) | 0.698 | 1.129 | 0.943 | 1.073 |
| MG/CA | 0.226 | 0.144 | - | 0.664 |
| NA/CA | 9.292 | 4.613 | 5.377 | 2.198 |
| CL/(HCO3+C03) | 5.219 | 4.688 | 4.911 | 2.034 |
| CL/F | 403.093 | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 68.207 | 77.064 | - | 46.468 |
| S04*100/(CL+S04+HCO3+C03) | 18.725 | 6.496 | - | 30.688 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 13.068 | 16.440 | - | 22.844 |
| (NA+K)*100/(NA+K+CA+MG) | 88.768 | 80.637 | - | 58.365 |
| CA*100/(NA+K+CA+MG) | 9.158 | 16.919 | - | 25.021 |
| MG*100/(NA+K+CA+MG) | 2.074 | 2.444 | - | 16.614 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 86.932 | 83.560 | - | 77.156 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 13.068 | 16.440 | - | 22.844 |
| (NA+K)*100/(NA+K+CA+MG) | 88.768 | 80.637 | - | 58.365 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.232 | 19.363 | - | 41.635 |

第4-2表 胸が岳南部地域水質一覽表 (つづき)

| NO | SKC 37 | SKC 38 | SKC 39 | SKC 40 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 66.0 | 87.0 | 100.0 | 97.0 |
| TSM | 2299.000 | 3334.000 | 3779.000 | 3865.000 |
| PH(FD) | 6.70 | 7.90 | 8.10 | 8.10 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 50.000 | 64.000 | 86.000 | 89.000 |
| NA | 537.000 | 972.000 | 1120.000 | 1190.000 |
| NH4 | - | - | - | - |
| CA | 174.000 | 122.000 | 86.200 | 68.000 |
| MG | - | 16.800 | 9.100 | 8.700 |
| FE | - | 0.260 | 0.380 | 0.270 |
| MN | - | 0.180 | 0.160 | 0.006 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 15.000 | 23.000 | 26.000 |
| CL | 646.000 | 1408.000 | 1630.000 | 1645.000 |
| BR | - | 2.600 | 3.100 | 3.300 |
| I | - | 0.146 | 0.149 | 0.169 |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 557.000 | 281.000 | 430.000 | 437.000 |
| S2O3 | - | - | - | - |
| HC03 | 567.000 | 457.000 | 299.000 | 229.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 50.005 | 96.163 | 125.396 | 130.012 |
| H3PO4 | 57.000 | 128.000 | 157.000 | 148.000 |
| HAS02 | - | - | - | - |
| CO2 | 149.000 | - | - | - |
| H2S | 25.000 | 0.734 | - | - |
| RN (*F=10 C/RIE/L) | - | - | - | - |
| NA/K | 18.264 | 25.827 | 22.147 | 22.738 |
| CA/(HC03+CO3) | 0.934 | 0.813 | 0.878 | 0.904 |
| MG/CA | - | 0.227 | 0.174 | 0.211 |
| NA/CA | 2.690 | 6.945 | 11.327 | 15.256 |
| CL/(HC03+CO3) | 1.961 | 5.303 | 9.383 | 12.364 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HC03+CO3) | 46.592 | 74.858 | 76.848 | 78.312 |
| SO4*100/(CL+SO4+HC03+CO3) | 29.649 | 11.026 | 14.962 | 15.354 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 23.759 | 14.116 | 8.190 | 6.334 |
| (NA+K)*100/(NA+K+CA+MG) | - | 85.463 | 90.977 | 92.934 |
| CA*100/(NA+K+CA+MG) | - | 11.846 | 7.685 | 5.835 |
| MG*100/(NA+K+CA+MG) | - | 2.690 | 1.338 | 1.231 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 76.241 | 85.884 | 91.810 | 93.666 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 23.759 | 14.116 | 8.190 | 6.334 |
| (NA+K)*100/(NA+K+CA+MG) | - | 85.463 | 90.977 | 92.934 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 14.537 | 9.023 | 7.066 |

第4-2表 駒が岳南部地域水質一覧表(つづき)

| NO | SKC 41 | SKC 42 | SKC 43 | SKC 44 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 86.0 | 78.0 | 76.0 | - |
| TSM | 2876.000 | 3062.000 | 2631.000 | 1805.000 |
| PH(FD) | 7.50 | 6.90 | 6.90 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 57.000 | 1.458 | 43.000 | 17.000 |
| NA | 832.000 | 36.192 | 692.000 | 519.000 |
| NH4 | - | - | - | - |
| CA | 64.300 | 3.209 | 101.000 | 18.500 |
| MG | 13.400 | 1.695 | 8.100 | 6.900 |
| FE | 0.360 | 0.013 | 0.260 | - |
| MN | - | - | 0.150 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 16.000 | 1.779 | 5.000 | - |
| CL | 1128.000 | 31.821 | 1081.000 | 263.000 |
| BR | 2.100 | 0.026 | 1.400 | 0.570 |
| I | 0.103 | 0.001 | 0.040 | 0.055 |
| F | - | - | - | - |
| OH | 404.000 | 3.411 | 433.000 | 508.000 |
| S04 | - | - | - | 10.577 |
| S203 | 457.000 | 7.490 | 415.000 | 702.000 |
| HCO3 | - | - | - | - |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | - | - | - | - |
| H802 | 110.779 | 1.844 | 80.007 | 77.699 |
| H3P04 | 102.000 | 2.328 | 74.000 | 43.000 |
| HAS02 | - | - | - | - |
| CO2 | 54.000 | 1.227 | 23.000 | - |
| H2S | 1.300 | 0.038 | 0.038 | - |
| RN (*E=10 CURTE/L) | - | - | - | - |
| NA/K | 24.822 | 26.541 | 27.367 | 51.917 |
| CA/(HCO3+CO3) | 0.028 | 0.667 | 0.741 | 0.080 |
| MG/CA | 0.344 | 0.324 | 0.132 | 0.615 |
| NA/CA | 11.230 | 7.256 | 5.973 | 24.456 |
| CL/(HCO3+CO3) | 4.248 | 3.884 | 3.044 | 0.645 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 66.679 | 61.781 | 55.122 | 25.149 |
| S04*100/(CL+S04+HCO3+CO3) | 17.825 | 22.313 | 26.770 | 35.851 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 15.695 | 15.905 | 18.107 | 39.001 |
| (NA+K)*100/(NA+K+CA+MG) | 89.726 | 85.050 | 84.539 | 93.915 |
| CA*100/(NA+K+CA+MG) | 7.646 | 11.295 | 13.655 | 3.768 |
| MG*100/(NA+K+CA+MG) | 2.628 | 3.654 | 1.806 | 2.317 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 84.305 | 84.095 | 81.893 | 60.999 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 15.695 | 15.905 | 18.107 | 39.001 |
| (NA+K)*100/(NA+K+CA+MG) | 89.726 | 85.050 | 84.539 | 93.915 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.274 | 14.950 | 15.461 | 6.085 |

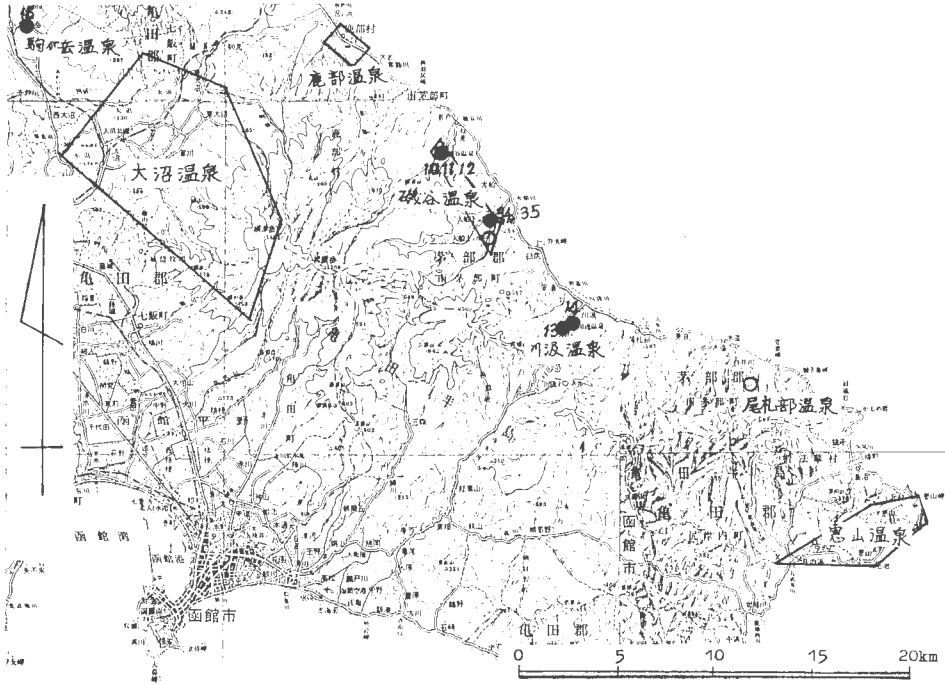
第4-2表 駒が岳南部地域水質一覧表(つづき)

| | SKC 45 | SKC 46 | SKC 47 | SKC 48 |
|----------------------------------|---------|---------|----------|----------|
| NO | 46.0 | 42.0 | — | 42.0 |
| TEMP | 478.000 | 290.000 | 6890.000 | 1157.000 |
| TSM | 7.10 | 7.50 | 2.30 | 7.50 |
| PH(FD) | — | — | — | — |
| PH(LR) | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — |
| K | 2.600 | 0.067 | 0.171 | 0.210 |
| NA | 110.000 | 4.785 | 2.828 | 2.088 |
| NH4 | — | — | — | — |
| CA | 28.600 | 1.427 | 0.729 | 13.623 |
| MG | 2.700 | 0.222 | — | — |
| FE | 0.270 | 0.010 | — | — |
| MN | 0.260 | 0.009 | 0.003 | 0.030 |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PR | — | — | — | — |
| AL | 9.000 | 1.001 | 0.334 | 0.334 |
| CL | 27.100 | 0.764 | 0.917 | 111.000 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 111.000 | 2.311 | 0.300 | 346.000 |
| S203 | — | — | — | — |
| HC03 | 176.000 | 2.885 | 2.180 | 418.000 |
| C03 | — | — | — | — |
| SI02 (MG/KG)(MMOL/KG) | 103.856 | 1.729 | 0.461 | 80.007 |
| HB02 | — | — | — | 29.000 |
| H3PO4 | — | — | — | — |
| HAS02 | — | — | — | — |
| CO2 | 12.000 | 0.273 | 0.118 | 50.000 |
| H2S | — | — | — | 1.400 |
| RN (*F-10 CURIE/L) | — | — | — | — |
| NA/K | 71.946 | 16.498 | 9.954 | 20.237 |
| CA/(HC03+C03) | 0.495 | 0.334 | — | 1.100 |
| MG/CA | 0.156 | — | 0.260 | 0.494 |
| NA/CA | 3.353 | 3.881 | 0.153 | 0.687 |
| CL/(HC03+C03) | 0.265 | 0.421 | — | 0.457 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 12.827 | 26.993 | — | 18.220 |
| S04*100/(CL+S04+HC03+C03) | 38.775 | 8.827 | — | 41.916 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 48.399 | 64.180 | — | 39.864 |
| (NA+K)*100/(NA+K+CA+MG) | 74.629 | — | 11.803 | 32.555 |
| CA*100/(NA+K+CA+MG) | 21.953 | — | 69.978 | 45.155 |
| MG*100/(NA+K+CA+MG) | 3.418 | — | 18.219 | 22.290 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 51.601 | 35.820 | — | 60.136 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 48.399 | 64.180 | — | 39.864 |
| (NA+K)*100/(NA+K+CA+MG) | 74.629 | — | 11.803 | 32.555 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.371 | — | 88.197 | 67.445 |

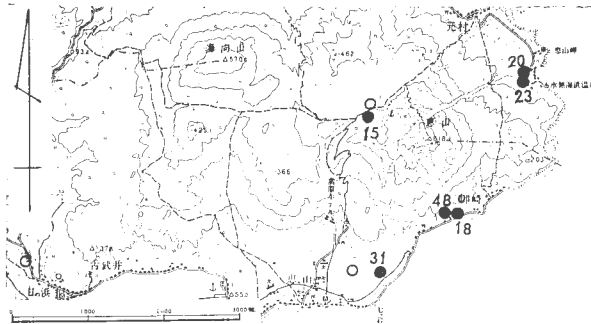
第4-2表 駒ヶ岳南部地域水質一覧表(つづき)

| | SKC 49 | SKC 50 |
|----------------------------------|---------|---------|
| NO | 46.0 | 47.0 |
| TEMP | 778.000 | 786.000 |
| TSM | 9.00 | 9.00 |
| PH(FD) | - | - |
| PH(LB) | - | - |
| H (MG/KG) (MVAL/KG) | - | - |
| K | 1.500 | 0.038 |
| NA | 112.000 | 4.872 |
| NH4 | - | - |
| CA | 125.000 | 6.238 |
| MG | - | - |
| FE | 0.080 | 0.003 |
| MN | - | - |
| ZN | - | - |
| CU | - | - |
| PB | - | - |
| AL | - | - |
| CL | 23.000 | 0.649 |
| BR | - | - |
| I | - | - |
| F | - | - |
| OH | - | - |
| S04 | - | - |
| S203 | - | - |
| HCO3 | - | - |
| CO3 | 11.600 | 0.377 |
| SI02 (MG/KG) (MMOL/KG) | - | - |
| HPO4 | - | - |
| HASO2 | - | - |
| CO2 | - | - |
| H2S | 2.900 | 0.085 |
| RN (*E=10 CURIE/L) | - | - |
| NA/K | 176.974 | 97.558 |
| CA/(HCO3+CO3) | - | 18.480 |
| MG/CA | - | - |
| NA/CA | 0.781 | 0.841 |
| CL/(HCO3+CO3) | - | 1.896 |
| CL/F | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | 6.021 |
| S04*100/(CL+S04+HCO3+CO3) | - | 90.804 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 3.175 |
| (NA+K)*100/(NA+K+CA+MG) | - | - |
| CA*100/(NA+K+CA+MG) | - | - |
| MG*100/(NA+K+CA+MG) | - | - |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | 96.825 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 3.175 |
| (NA+K)*100/(NA+K+CA+MG) | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | - | - |

第4-1図 駒が岳南部地域における温泉の分布および試料採取地（駒が岳，磯谷，川汲温泉）



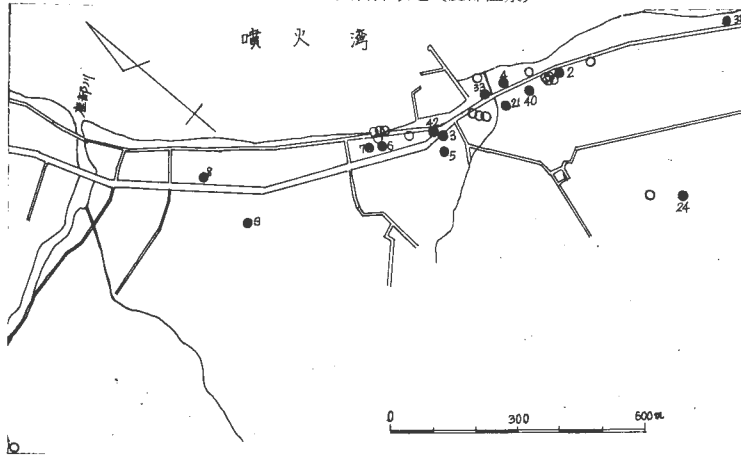
第4-2図 試料採取地（恵山温泉）



第4-3図 試料採取地(駒が岳, 大沼, 磯谷温泉)



第 4-4 図 試料採取地 (鹿部温泉)

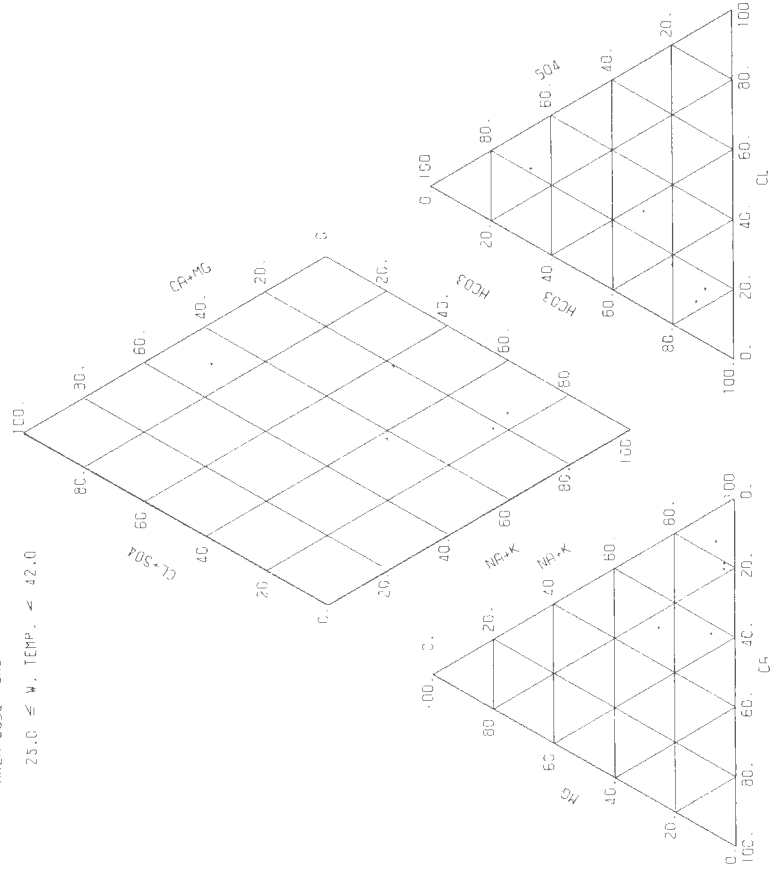


第4-5図 駒が岳南部地域水質組成図(その1) (水温25℃以上42℃未満)

SOUTH KOMAGATAKE

AREA CODE SKC

25.0 ≦ W. TEMP. < 42.0

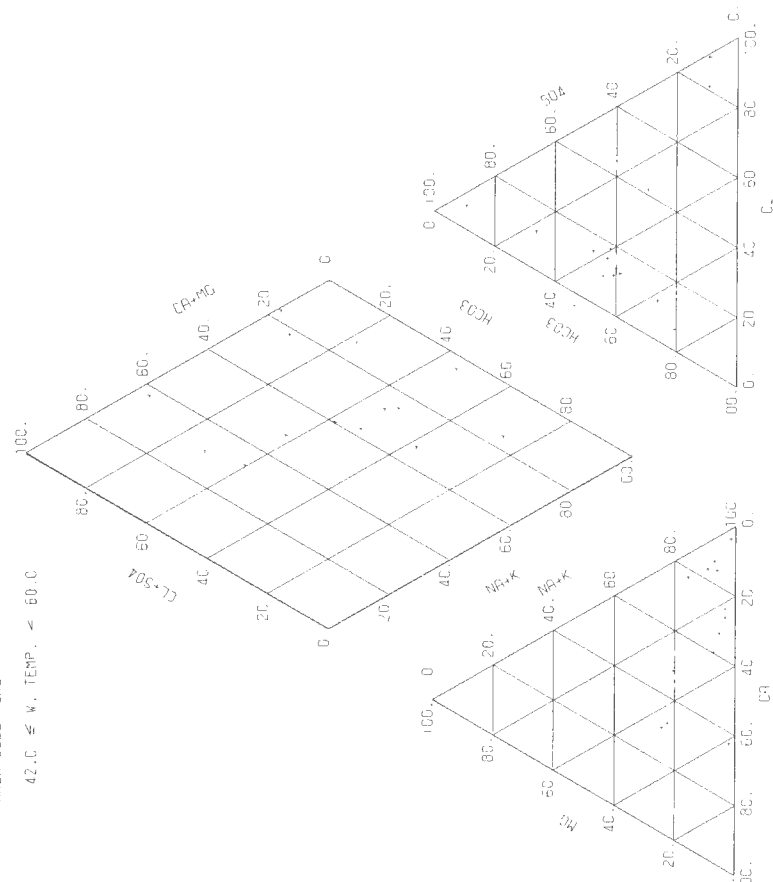


第4-5図 駒が岳南部地域水質組成図(その2) (水温42℃以上60℃未満)

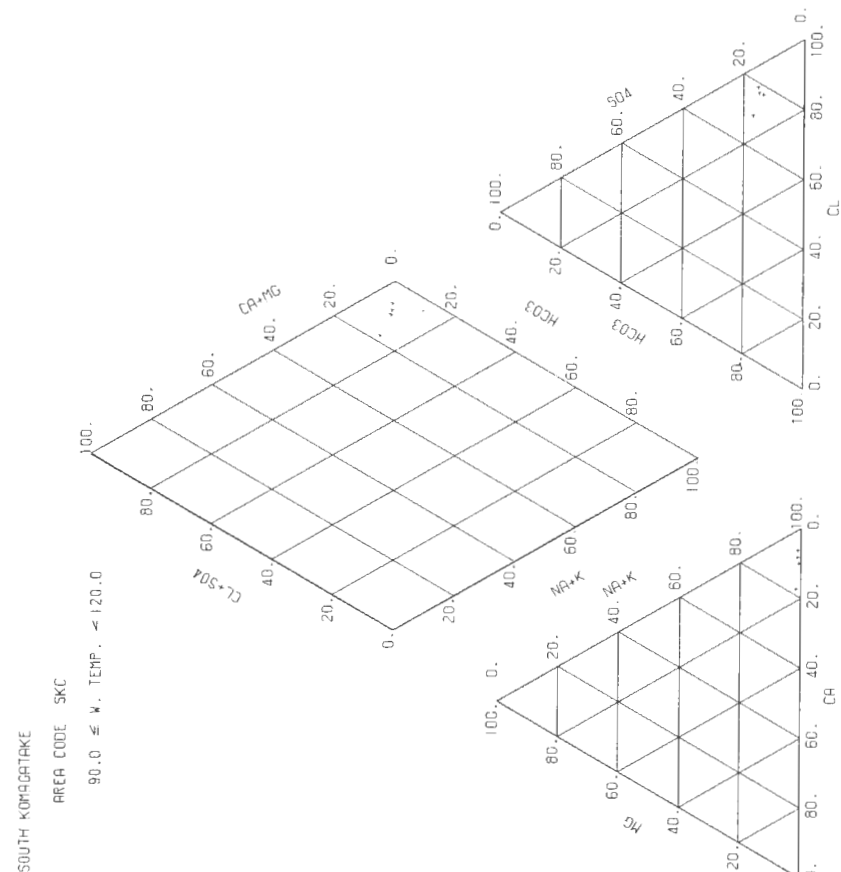
SOUTH KOMAGATAKE

AREA CODE SKC

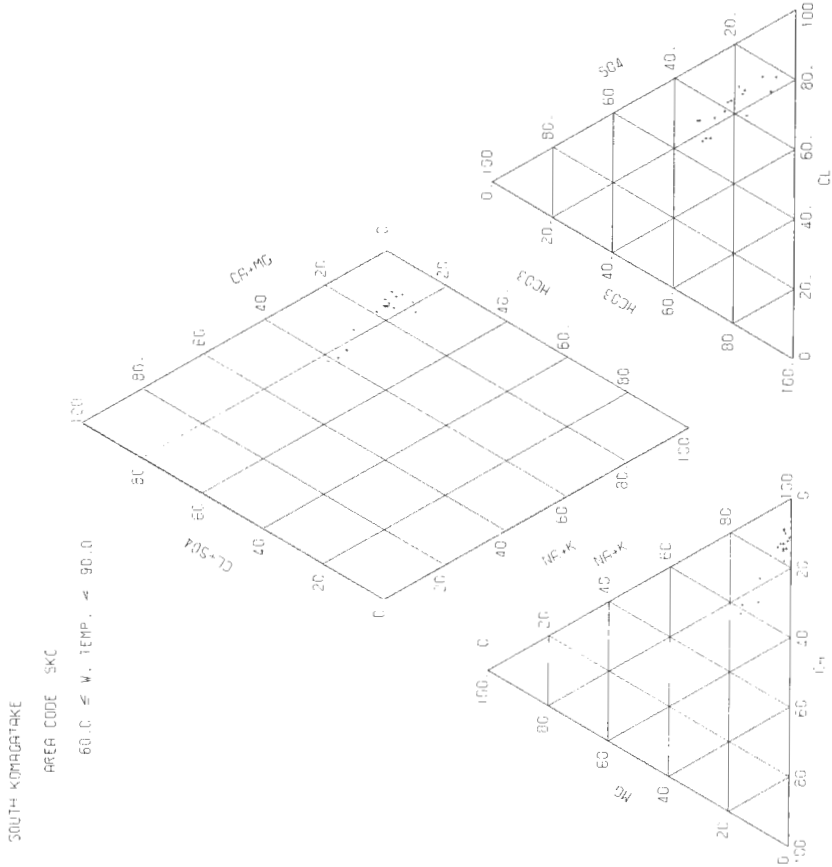
42.0 ≦ W. TEMP. < 60.0



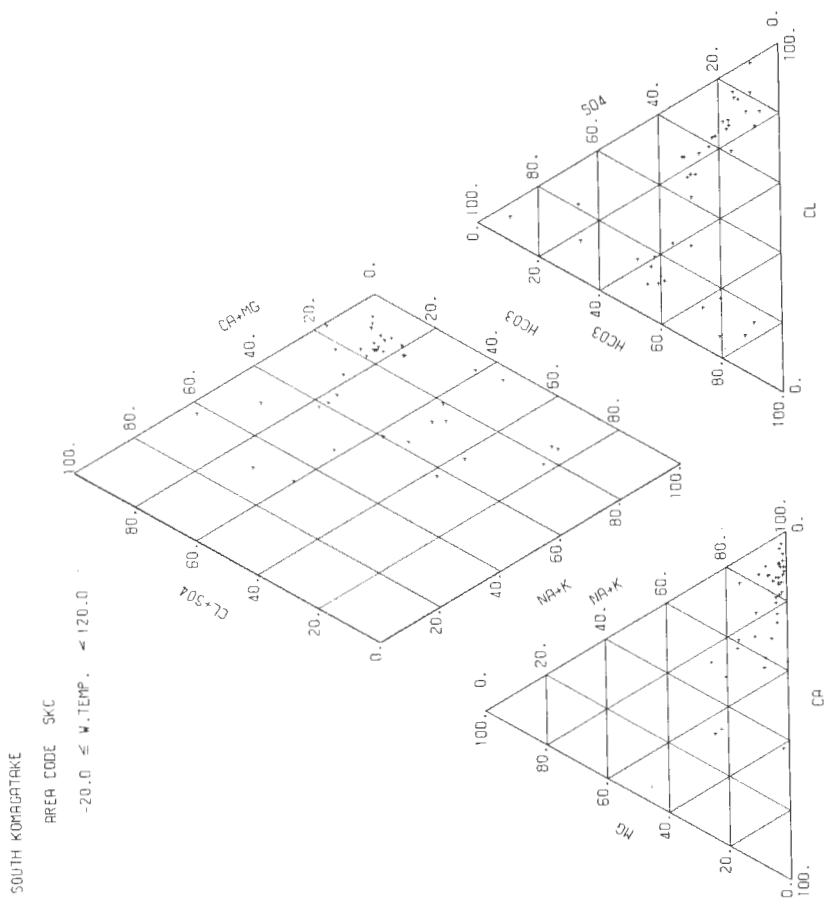
第4-5図 駒が岳南部地域水質組成図(その4) (水温90℃以上120℃未満)



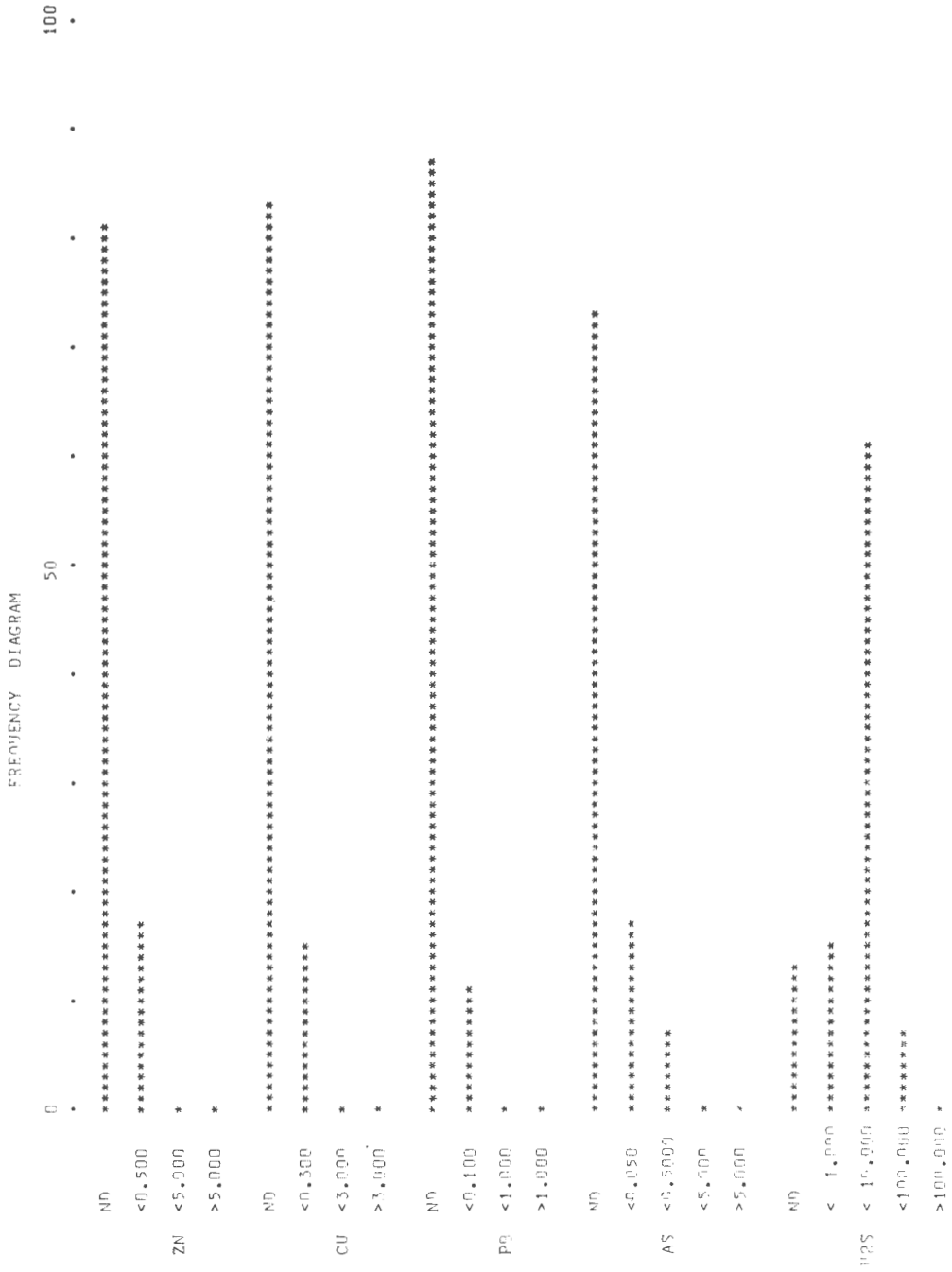
第4-5図 駒が岳南部地域水質組成図(その3) (水温60℃以上90℃未満)



第4-5図 駒が岳南部地域水質組成図(その5) (全試料)



第4-6図 駒が岳南部地域特定成分含量の頻度分布図



第5-1表 十勝川上流域地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-----------------------------------|-------|-----------|-----|------------|-------|-----------|------------------------|
| TKC-1 | 北海道上川郡新得町国有林新得事業区188林班 | トムラウシ | (新得町) | | 1965.11.20 | 13 | 40-3389 | Q=216//m, F |
| "-2 | " " " " " " | " | (小田亀太郎) | | " 11.19 | " | 40-3384 | Q=9//m, F |
| "-3 | (河東郡音更町下士幌南2線東87) | " | (中津川武男) | | " 11.20 | " | 40-3174 | Q=27//m, F, X |
| "-4 | 北海道河東郡上士幌町線平国音更経営区47林班のロ | 線平 | (中川博晴) | | 1955.11.3 | " | 380 | Q=59//m, F, X |
| "-5 | " " " " " " のイ | " | 琴月 | | " 6.30 | " | 382 | D=0m, Q=1.8//m, F |
| "-6 | " " " " " " 本通りの16 | " | 旭 | | " 6.30 | " | 358 | Q=7.7//m, F, X |
| "-7 | " " " " " " 番外地 | " | 泉翠館・鶴乃湯 | | " 6.30 | " | 359 | Q=60//m, F |
| "-8 | " " " " " " 本通り4の39 | " | 湯元館・滝の湯 | | " 6.30 | " | 360 | D=0m, Q=233//m, F |
| "-9 | " " " " " " 1の2 | " | 松の湯 | | " 7.1 | " | 361 | F, X |
| "-10 | " " " " " " 温泉本通り1の3 | " | 有翠閣 | | " 3.10 | " | 330 | Q=70//m, F, X |
| "-11 | " " " " " " 本通り3の34 | " | (小野内芳正) | | " 3.10 | " | 331 | Q=75//m, F |
| "-12 | " " " " " " 国有林音更経営区47林班のハ | " | (石井テル子) | | " 1.9 | " | 312 | D=0m, Q=6.3//m, F |
| "-13 | " " " " " " のロ | " | (宮田藤一) | | 1956.3.28 | " | 413 | X |
| "-14 | " " " " " " 幌加 | 幌加 | (東清一) | | " 7.14 | " | 431 | D=0m, Q=50//m, F, X |
| "-15 | " " " " " " 線平 | 線平 | (上土幌営林署) | | 1957.2.4 | " | 463 | D=0m, Q=28//m, F |
| "-16 | " " " " " " 鹿追町瓜幕然別国有林160林班 | 線平 | (名波茂) | | (" 8.8) | " | 482 | X |
| "-17 | " " " " " " 上士幌町線平鉄道用地 | 線平 | (釧路鉄道管理局) | | (" 10.10) | " | 506 | D=10m, Q=30//m, P |
| "-18 | " " " " " " 国有林線平経営区44林班のニ | " | (蟹谷勝太郎) | | 1960.3.3 | " | 641 | D=0m, Q=18//m, F |
| "-19 | " " " " " " 線平本通り1の2 | " | (有塚沢一) | | 1960.2.5 | " | 642 | D=10m, Q=62//m, F |
| "-20 | " " " " " " 幌加国有林上士幌事業区97林班のロ | 幌加 | (東清一) | | (1959.4.6) | " | 580 | D=0m, Q=20//m, F |
| "-21 | " " " " " " 鹿追町瓜幕然別国有林72林班 | 線平 | (山田角六) | | (" 6.15) | " | 585 | D=0m, Q=60//m, F, X |
| "-22 | " " " " " " 上士幌町線平国有林上士幌事業区44林班のニ | 線平 | 泉翠館 | | (" 9.20) | " | 603 | D=0m, Q=273//m, F, X |
| "-23 | " " " " " " 国有林音更経営区47林班のロ | " | (熊倉郡治) | | " 9.29 | " | 630 | D=9m, Q=24//m, F, X |
| "-24 | " " " " " " 上士幌事業区44林班のニ | " | 大管 | | " 9.29 | " | 631 | D=0m, Q=36//m, F |
| "-25 | " " " " " " のロ | " | (石井鶴松) | | " 9.3 | " | 486 | D=20m, Q=27//m, P, X |
| "-26 | " " " " " " 鹿追町瓜幕然別国有林45林班 | 線平 | (宮田藤一) | | 1962.5.22 | " | 37-1805 | D=19m, Q=30//m, F |
| "-27 | " " " " " " 音更町下士幌51の11 | (菅野) | (菅野祐喜) | | 1961.8.23 | " | 36-333 | D=0m, Q=16//m, F |
| "-28 | " " " " " " 上士幌町幌加国有林上士幌事業区97林班のハ | 幌加 | (平吉四郎) | | 1962.6.6 | " | 37-2035 | D=270m, Q=610//m, F, X |
| "-29 | " " " " " " 上士幌町幌加国有林上士幌事業区97林班のハ | 幌加 | (東清一) | | " 10.18 | " | 37-3575 | D=0m, Q=20//m, F |

第5-2表 十勝川上流地咸水質一覽表

| NO | TKC 1 | | TKC 2 | | TKC 3 | | TKC 4 | |
|---|----------|----------|----------|----------|---------|--------|-------|------|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| TEMP | 12.0 | 11.0 | 11.5 | 84.0 | 55.2 | | | |
| TSM | 1215.010 | 360.000 | 1218.500 | 1144.000 | 914.800 | | | |
| PH(FD) | 7.40 | 7.20 | 7.20 | 7.60 | 8.00 | | | |
| PH(LR) | | | | | | | | |
| H ⁺ (MG/KG)(10 ⁻⁴ AL/%) | | | | | | | | |
| K | 10.000 | 0.286 | 0.281 | 5.000 | 0.970 | 0.128 | 0.025 | |
| NA | 374.000 | 16.095 | 15.660 | 342.000 | 219.200 | 14.877 | 9.535 | |
| NH4 | | | | | | | | |
| CA | 14.000 | 0.499 | 0.848 | 17.500 | 60.600 | 0.873 | 3.024 | |
| MG | 3.760 | 0.304 | 0.247 | 2.600 | 2.200 | 0.214 | 0.181 | |
| FE | 0.005 | 0.003 | 0.006 | 0.100 | 0.300 | 0.004 | 0.011 | |
| MN | 0.060 | 0.015 | 0.015 | 0.420 | 0.170 | 0.015 | 0.006 | |
| ZN | 0.044 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| CU | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| PR | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| AL | 2.800 | 0.316 | 0.278 | 8.100 | 2.950 | 0.901 | 0.328 | |
| CL | 30.000 | 10.156 | 10.099 | 365.000 | 239.200 | 10.297 | 6.748 | |
| BR | | | | | | | | |
| I | 1.800 | 0.097 | 0.083 | 1.700 | 0.089 | 0.089 | 0.000 | |
| OH | | | | | | | | |
| S04 | 60.000 | 1.249 | 0.958 | 69.000 | 75.300 | 1.437 | 1.568 | |
| S2O3 | | | | | | | | |
| HCO3 | 371.000 | 6.181 | 5.999 | 310.000 | 292.500 | 5.081 | 4.794 | |
| CO3 | | | | | | | | |
| STO2 (MG/%G)(MMOL/KG) | 123.000 | 2.040 | 1.896 | 113.856 | 38.000 | 1.857 | 0.633 | |
| HR02 | 68.000 | 2.336 | 2.145 | 94.000 | 34.900 | 2.145 | 0.796 | |
| H3P04 | 0.303 | 0.004 | 0.003 | 0.214 | 0.002 | 0.002 | 0.000 | |
| HAS02 | 2.000 | 0.019 | 0.018 | 1.916 | 0.010 | 0.010 | 0.000 | |
| CO2 | 66.000 | 1.500 | 1.704 | 75.000 | 44.000 | 1.000 | 0.000 | |
| H2S | 7.650 | 0.225 | 0.175 | 5.950 | 5.780 | 0.170 | 0.000 | |
| RI (*F-10 CURTE/L) | | | | | | | | |
| NA/K | 52.970 | 55.654 | 116.317 | 384.289 | | | | |
| CA/(HCO3+CO3) | 0.115 | 0.141 | 0.172 | 0.631 | | | | |
| MG/CA | 0.026 | 0.291 | 0.245 | 0.060 | | | | |
| NA/CA | 23.039 | 18.460 | 17.036 | 3.153 | | | | |
| CL/(HCO3+CO3) | 1.670 | 1.634 | 2.027 | 1.408 | | | | |
| CL/F | 1.04.274 | 1.21.426 | 115.062 | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 63.070 | 59.213 | 61.238 | 51.472 | | | | |
| S04*100/(CL+S04+HCO3+CO3) | 7.164 | 5.615 | 8.544 | 11.959 | | | | |
| (HCO3+CO3)*100/(CL+S04+(CO3+CO3)) | 4.776 | 35.172 | 30.218 | 36.569 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 94.220 | 93.572 | 93.244 | 74.892 | | | | |
| CA*100/(NA+K+CA+MG) | 4.076 | 4.979 | 5.427 | 23.689 | | | | |
| MG*100/(NA+K+CA+MG) | 1.754 | 1.449 | 1.330 | 1.418 | | | | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 65.274 | 64.828 | 69.782 | 63.431 | | | | |
| (HCO3+CO3)*100/(CL+S04+(CO3+CO3)) | 34.776 | 35.172 | 30.218 | 36.569 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 94.220 | 93.572 | 93.244 | 74.892 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 5.726 | 6.428 | 6.756 | 25.108 | | | | |

第5-2表 十勝川上流地域水質一覧表(つづき)

| | TKC 5 | TKC 6 | TKC 7 | TKC 8 |
|--|---------|---------|---------|---------|
| NO | 47.0 | 48.0 | 52.0 | 59.8 |
| TEMP | 835.600 | 903.000 | 895.600 | 894.000 |
| TSM | 7.30 | 7.60 | 7.40 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(WVAL/KG) | - | - | - | - |
| K | 3.100 | 2.060 | 1.910 | 2.010 |
| NA | 204.500 | 202.100 | 224.200 | 232.200 |
| NH4 | - | - | - | - |
| CA | 48.700 | 51.800 | 48.800 | 38.700 |
| MG | 4.500 | 3.700 | 3.800 | 2.900 |
| FE | 0.390 | 0.530 | 0.440 | 0.285 |
| MN | 0.110 | 0.260 | 0.250 | 0.209 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 0.450 | 1.440 | 2.310 | 2.750 |
| CL | 241.300 | 248.700 | 252.500 | 256.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 42.200 | 54.900 | 65.400 | 55.700 |
| S203 | - | - | - | - |
| HC03 | 253.900 | 234.300 | 260.130 | 260.100 |
| CO3 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 65.160 | 85.162 | 76.776 | 65.237 |
| HR02 | 49.800 | 56.500 | 53.400 | 47.200 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | 0.0 | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 112.131 | 166.835 | 199.614 | 196.451 |
| CA/(HC03+CO3) | 0.584 | 0.673 | 0.571 | 0.453 |
| MG/CA | 0.152 | 0.118 | 0.128 | 0.124 |
| NA/CA | 3.651 | 3.401 | 4.005 | 5.230 |
| CL/(HC03+CO3) | 1.636 | 1.827 | 1.671 | 1.695 |
| CL/F | - | - | - | - |
| CL*10 ¹¹ /(CL+S04+HC03+CO3) | 57.458 | 58.470 | 55.877 | 57.133 |
| S04*10 ¹⁰ /(CL+S04+HC03+CO3) | 7.416 | 9.526 | 10.681 | 9.167 |
| (HC03+CO3)*10 ¹⁰ /(CL+S04+HC03+CO3) | 35.126 | 32.004 | 33.442 | 33.700 |
| (NA+K)*10 ¹⁰ /(NA+K+CA+MG) | 76.218 | 75.375 | 78.104 | 82.391 |
| CA*10 ¹⁰ /(NA+K+CA+MG) | 30.637 | 22.030 | 19.404 | 15.672 |
| MG*10 ¹⁰ /(NA+K+CA+MG) | 3.145 | 2.595 | 2.492 | 1.937 |
| (CL+S04)*10 ¹¹ /(CL+S04+HC03+CO3) | 64.874 | 67.996 | 66.558 | 66.300 |
| (HC03+CO3)*10 ¹¹ /(CL+S04+HC03+CO3) | 35.126 | 32.004 | 33.442 | 33.700 |
| (NA+K)*10 ¹⁰ /(NA+K+CA+MG) | 76.218 | 75.375 | 78.104 | 82.391 |
| (CA+MG)*10 ¹⁰ /(NA+K+CA+MG) | 33.752 | 24.625 | 21.896 | 17.609 |

第5-2表 十勝川上流地域水質一覽表(つづき)

| NO | TKC 9 | | TKC 10 | | TKC 11 | | TKC 12 | |
|----------------------------------|-------------------------|-----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|
| | 54.4 911.800 7.21 | 0.059 10.062 | 55.5 900.800 7.30 | 0.031 7.639 | 52.2 849.600 7.50 | 0.031 8.765 | 47.5 925.000 7.30 | 0.049 9.226 |
| H (°C/°C)(%AL/°C) | | | | | | | | |
| K | 2.300 231.500 | 0.059 10.062 | 1.200 175.600 | 0.031 7.639 | 1.200 201.500 | 0.031 8.765 | 1.920 212.100 | 0.049 9.226 |
| NA | | | | | | | | |
| NR4 | | | | | | | | |
| CA | 45.700 3.100 | 2.220 0.255 | 65.700 6.100 | 3.278 0.502 | 44.600 3.900 | 2.226 0.321 | 61.500 3.300 | 3.069 0.272 |
| MC | | | | | | | | |
| FF | 0.400 0.290 | 0.015 0.011 | 0.100 0.160 | 0.004 0.006 | 0.100 0.270 | 0.004 0.010 | 0.260 0.120 | 0.009 0.004 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | 3.810 | 0.024 | 0.390 | 0.043 | | | 0.650 | 0.072 |
| CL | 263.600 | 7.436 | 231.600 | 6.533 | 237.000 | 6.686 | 245.900 | 6.937 |
| BP | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 45.400 | 1.362 | 46.900 | 0.976 | 59.600 | 1.241 | 55.500 | 1.156 |
| S203 | | | | | | | | |
| HC03 | 263.200 | 4.314 | 243.600 | 3.993 | 208.800 | 3.422 | 281.100 | 4.607 |
| C03 | | | | | | | | |
| S102 (MG/°C)(%MOL/°C) | 0.391 | 1.155 | 82.392 | 1.372 | 81.392 | 1.355 | 56.390 | 0.939 |
| HR02 | 52.000 | 1.187 | 30.700 | 0.701 | 30.600 | 0.698 | 37.300 | 0.851 |
| H3P04 | | | | | | | | |
| HAS02 | | | | | | | | |
| C02 | | | | | | | | |
| H2S | | | 17.600 | 0.400 | | | | |
| RN (*F-10 CURT/L) | | | | | | | | |
| NA/K | 171.016 | | 248.847 | | | 285.550 | 187.857 | |
| CA/(HC03+C03) | 0.509 | | 0.821 | | | 0.666 | 0.666 | |
| MG/CA | 0.112 | | 0.153 | | | 0.144 | 0.088 | |
| NA/CA | 4.412 | | 2.330 | | | 3.938 | 3.006 | |
| CL/(HC03+C03) | 1.724 | | 1.636 | | | 1.954 | 1.506 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 56.714 | | 56.900 | | | 58.911 | 54.623 | |
| S04*100/(CL+S04+HC03+C03) | 10.345 | | 8.489 | | | 10.934 | 9.099 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 32.901 | | 34.711 | | | 30.155 | 36.279 | |
| (NA+K)*100/(NA+K+CA+MG) | 79.946 | | 66.983 | | | 77.549 | 73.522 | |
| CA*100/(NA+K+CA+MG) | 18.019 | | 28.633 | | | 19.621 | 24.325 | |
| MG*100/(NA+K+CA+MG) | 2.016 | | 4.384 | | | 2.829 | 2.153 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 67.099 | | 65.289 | | | 69.845 | 63.721 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 32.901 | | 34.711 | | | 30.155 | 36.279 | |
| (NA+K)*100/(NA+K+CA+MG) | 77.946 | | 66.983 | | | 77.549 | 73.522 | |
| (CA+MG)*100/(NA+K+CA+MG) | 30.034 | | 33.017 | | | 22.451 | 26.478 | |

第5-2表 十勝川上流地域水質一覽表 (つづき)

| NO | TKC 13 | | TKC 14 | | TKC 15 | | TKC 16 | |
|--|---------|----------|---------|----------|---------|--------|---------|--------|
| | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| TEMP | 16.5 | 55.4 | 56.0 | 2161.000 | 8.40 | 8.40 | 0.215 | 0.215 |
| TSM | 820 | 2485.500 | 871.000 | 2161.000 | 8.40 | 8.40 | 22.911 | 22.911 |
| PH(CFD) | 7.30 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 |
| PH(LB) | 7.30 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 |
| H (MG/KG)(M/L/FG) | 2.200 | 0.056 | 0.130 | 0.130 | 1.200 | 0.031 | 8.400 | 0.215 |
| K | 27.800 | 9.900 | 687.800 | 29.919 | 202.400 | 8.804 | 526.700 | 22.911 |
| NA | 61.000 | 3.066 | 105.100 | 5.244 | 56.100 | 2.799 | 69.000 | 3.443 |
| NH4 | 3.200 | 5.263 | 37.100 | 3.053 | 2.100 | 0.173 | 22.300 | 1.835 |
| NO3 | 6.100 | 0.007 | 0.240 | 0.009 | 0.400 | 0.014 | 1.200 | 0.043 |
| NO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CU | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| ZN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| PR | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| AI | 0.000 | 0.000 | 3.500 | 0.391 | 0.000 | 0.000 | 7.600 | 0.845 |
| CL | 206.100 | 7.225 | 824.500 | 23.259 | 247.400 | 6.979 | 594.600 | 16.774 |
| RP | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| I | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| F | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| OH | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| SO4 | 73.700 | 1.514 | 7.100 | 0.148 | 68.100 | 1.418 | 0.000 | 0.000 |
| SP03 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| HC03 | 212.000 | 3.429 | 933.400 | 15.298 | 119.800 | 1.964 | 761.300 | 12.478 |
| CO3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| ST02 (MG/CG)(MPL/FG) | 23.300 | 1.348 | 106.255 | 1.679 | 66.775 | 1.112 | 150.937 | 2.513 |
| HP02 | 55.500 | 1.267 | 153.400 | 3.501 | 3.365 | 0.034 | 55.000 | 1.255 |
| H3P04 | 3.369 | 0.034 | 1.184 | 0.012 | 3.365 | 0.034 | 2.542 | 0.026 |
| HAS02 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CO2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| H2S | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| BN (*F-10 CURT/L) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| NA/K | 175.000 | 0.922 | 229.340 | 0.343 | 286.826 | 1.425 | 106.628 | 0.276 |
| CA/(HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MG/CA | 4.137 | 0.582 | 0.582 | 0.582 | 0.582 | 0.582 | 0.582 | 0.582 |
| NA/CA | 4.797 | 5.705 | 5.705 | 5.705 | 5.705 | 5.705 | 5.705 | 5.705 |
| CL/(HC03+CO3) | 2.070 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 | 1.520 |
| CL/F | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL*10 ⁰ /(CL+SO4+CO3+CO3) | 59.000 | 60.093 | 60.093 | 60.093 | 67.360 | 67.360 | 67.360 | 67.360 |
| SO4*10 ⁰ /(CL+SO4+CO3+CO3) | 12.379 | 0.382 | 0.382 | 0.382 | 13.684 | 13.684 | 13.684 | 13.684 |
| (HC03+CO3)*10 ⁰ /(CL+SO4+CO3+CO3) | 3.537 | 39.525 | 39.525 | 39.525 | 13.955 | 13.955 | 13.955 | 13.955 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 11.095 | 78.362 | 78.362 | 78.362 | 74.827 | 74.827 | 81.418 | 81.418 |
| CA*10 ⁰ /(NA+K+CA+MG) | 16.803 | 13.676 | 13.676 | 13.676 | 23.709 | 23.709 | 12.122 | 12.122 |
| MG*10 ⁰ /(NA+K+CA+MG) | 1.142 | 7.961 | 7.961 | 7.961 | 1.464 | 1.464 | 6.460 | 6.460 |
| (CL+SO4)*10 ⁰ /(CL+SO4+CO3+CO3) | 71.463 | 60.475 | 60.475 | 60.475 | 81.045 | 81.045 | 0.000 | 0.000 |
| (HC03+CO3)*10 ⁰ /(CL+SO4+CO3+CO3) | 48.537 | 39.525 | 39.525 | 39.525 | 13.955 | 13.955 | 0.000 | 0.000 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 41.095 | 78.362 | 78.362 | 78.362 | 74.827 | 74.827 | 81.418 | 81.418 |
| (CA+MG)*10 ⁰ /(CA+K+CA+MG) | 14.945 | 21.638 | 21.638 | 21.638 | 25.173 | 25.173 | 18.582 | 18.582 |

第5-2表 十勝川上流地域水質一覽表 (つづき)

| NO | TKC 17 | | | | TKC 18 | | | | TKC 19 | | | | TKC 20 | | | |
|----------------------------------|---------|--------|---------|---------|---------|--------|---------|---------|---------|--------|---------|---------|---------|--------|---------|---------|
| | TEMP | TSM | PH(FD) | PH(CLB) | TEMP | TSM | PH(FD) | PH(CLB) | TEMP | TSM | PH(FD) | PH(CLB) | TEMP | TSM | PH(FD) | PH(CLB) |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | | | | | |
| K | 15.600 | 0.399 | 13.000 | 0.333 | 13.000 | 0.333 | 13.000 | 0.333 | 13.000 | 0.333 | 13.000 | 0.333 | 13.000 | 0.333 | 13.000 | 0.333 |
| NA | 188.000 | 8.178 | 212.000 | 9.222 | 216.000 | 9.222 | 216.000 | 9.222 | 216.000 | 9.222 | 216.000 | 9.222 | 216.000 | 9.222 | 216.000 | 9.222 |
| NH4 | | | | | | | | | | | | | | | | |
| CA | 42.500 | 2.121 | 47.800 | 2.385 | 41.800 | 2.385 | 41.800 | 2.385 | 41.800 | 2.385 | 41.800 | 2.385 | 41.800 | 2.385 | 41.800 | 2.385 |
| MG | 1.600 | 0.132 | 3.300 | 0.272 | 3.900 | 0.321 | 3.900 | 0.321 | 3.900 | 0.321 | 3.900 | 0.321 | 3.900 | 0.321 | 3.900 | 0.321 |
| FE | 9.150 | 0.005 | 0.070 | 0.003 | 0.390 | 0.014 | 0.390 | 0.014 | 0.390 | 0.014 | 0.390 | 0.014 | 0.390 | 0.014 | 0.390 | 0.014 |
| MN | 0.320 | 0.012 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ZN | | | | | | | | | | | | | | | | |
| CU | | | | | | | | | | | | | | | | |
| PB | | | | | | | | | | | | | | | | |
| AL | 17.600 | 1.957 | 4.100 | 0.456 | 1.700 | 0.189 | 1.700 | 0.189 | 1.700 | 0.189 | 1.700 | 0.189 | 1.700 | 0.189 | 1.700 | 0.189 |
| CL | 235.500 | 6.643 | 245.000 | 6.911 | 245.000 | 6.911 | 245.000 | 6.911 | 245.000 | 6.911 | 245.000 | 6.911 | 245.000 | 6.911 | 245.000 | 6.911 |
| BR | | | | | | | | | | | | | | | | |
| I | | | | | | | | | | | | | | | | |
| F | 1.290 | 0.068 | 1.330 | 0.070 | 1.780 | 0.094 | 1.780 | 0.094 | 1.780 | 0.094 | 1.780 | 0.094 | 1.780 | 0.094 | 1.780 | 0.094 |
| OH | | | | | | | | | | | | | | | | |
| S04 | 65.800 | 1.370 | 78.100 | 1.626 | 66.200 | 1.378 | 66.200 | 1.378 | 66.200 | 1.378 | 66.200 | 1.378 | 66.200 | 1.378 | 66.200 | 1.378 |
| S203 | | | | | | | | | | | | | | | | |
| HC03 | 276.900 | 4.702 | 246.800 | 4.045 | 240.700 | 3.945 | 240.700 | 3.945 | 240.700 | 3.945 | 240.700 | 3.945 | 240.700 | 3.945 | 240.700 | 3.945 |
| C03 | | | | | | | | | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | | | | | | | | | |
| H2O2 | 60.005 | 0.999 | 53.466 | 0.890 | 51.928 | 0.865 | 51.928 | 0.865 | 51.928 | 0.865 | 51.928 | 0.865 | 51.928 | 0.865 | 51.928 | 0.865 |
| H3PO4 | 52.900 | 1.207 | 55.700 | 1.271 | 55.700 | 1.271 | 55.700 | 1.271 | 55.700 | 1.271 | 55.700 | 1.271 | 55.700 | 1.271 | 55.700 | 1.271 |
| H3PO4 | 0.827 | 0.008 | 0.817 | 0.008 | 0.613 | 0.006 | 0.613 | 0.006 | 0.613 | 0.006 | 0.613 | 0.006 | 0.613 | 0.006 | 0.613 | 0.006 |
| HAS02 | 0.148 | 0.001 | 0.014 | 0.001 | 0.061 | 0.001 | 0.061 | 0.001 | 0.061 | 0.001 | 0.061 | 0.001 | 0.061 | 0.001 | 0.061 | 0.001 |
| C02 | 2.500 | 0.057 | 13.100 | 0.298 | 52.500 | 1.193 | 52.500 | 1.193 | 52.500 | 1.193 | 52.500 | 1.193 | 52.500 | 1.193 | 52.500 | 1.193 |
| H2S | 1.700 | 0.050 | 0.420 | 0.012 | 0.510 | 0.015 | 0.510 | 0.015 | 0.510 | 0.015 | 0.510 | 0.015 | 0.510 | 0.015 | 0.510 | 0.015 |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | | | | | |
| NA/K | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 | 20.494 | 27.732 |
| CA/(HC03+C03) | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 | 0.421 | 0.590 |
| MG/CA | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 | 0.062 | 0.114 |
| NA/CA | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 | 3.856 | 3.866 |
| CL/(HC03+C03) | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 | 1.413 | 1.709 |
| CL/F | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 | 97.834 | 98.719 |
| CL*100/(CL+S04+HC03+C03) | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 | 52.246 | 54.929 |
| S04*100/(CL+S04+HC03+C03) | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 | 10.774 | 12.923 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 |
| (NA+K)*100/(NA+K+CA+MG) | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 |
| CA*100/(NA+K+CA+MG) | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 | 19.583 | 19.533 |
| MG*100/(NA+K+CA+MG) | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 | 1.216 | 2.224 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 | 63.020 | 67.852 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 | 36.980 | 32.148 |
| (NA+K)*100/(NA+K+CA+MG) | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 | 79.201 | 78.243 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 | 20.799 | 21.757 |

第5-2表 十勝川上流地域水質一覽表 (つづき)

| NO | TKC 21 | | TKC 22 | | TKC 23 | | TKC 24 | |
|----------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
| | 43.0 | 29.0 | 29.0 | 53.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| TEMP | 415.500 | 484.500 | 484.500 | 917.000 | 917.000 | 907.000 | 907.000 | 907.000 |
| PH(FD) | 7.20 | 7.30 | 7.30 | 7.15 | 7.15 | 7.20 | 7.20 | 7.20 |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - | - | - | - | - |
| K | 6.250 | 0.160 | 4.800 | 0.123 | 8.000 | 0.205 | 9.000 | 0.230 |
| NA | 72.100 | 3.136 | 106.000 | 4.611 | 236.500 | 10.288 | 220.000 | 9.570 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 11.000 | 1.048 | 25.800 | 1.287 | 43.500 | 2.171 | 48.200 | 2.405 |
| MG | 19.600 | 1.613 | 3.820 | 0.314 | 3.100 | 0.255 | 5.700 | 0.469 |
| FE | 0.560 | 0.020 | 0.480 | 0.017 | 0.150 | 0.005 | 0.410 | 0.015 |
| MN | 0.0 | - | 0.0 | - | 0.340 | 0.012 | 0.450 | 0.016 |
| ZN | - | - | 0.024 | 0.001 | - | - | - | - |
| CU | - | - | 0.003 | 0.000 | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 3.500 | 0.389 | 3.880 | 0.431 | 3.500 | 0.389 | 7.200 | 0.801 |
| CL | 82.000 | 2.313 | 133.000 | 3.752 | 240.100 | 6.773 | 243.600 | 6.872 |
| BR | - | - | - | - | - | - | - | - |
| T | - | - | - | - | - | - | - | - |
| F | 0.036 | 0.002 | 0.730 | 0.038 | 1.480 | 0.078 | 1.580 | 0.083 |
| SO4 | - | - | 39.400 | 0.820 | 85.500 | 1.780 | 89.600 | 1.865 |
| S2O3 | - | - | - | - | - | - | - | - |
| HC03 | 247.000 | 4.048 | 123.000 | 2.016 | 286.700 | 4.699 | 284.800 | 4.668 |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 44.158 | 0.735 | 55.005 | 0.916 | 47.312 | 0.788 | 46.158 | 0.769 |
| HS02 | 22.700 | 0.518 | 26.900 | 0.614 | 44.900 | 1.025 | 53.900 | 1.230 |
| H3PO4 | 0.286 | 0.003 | 3.066 | 0.082 | 0.071 | 0.001 | 0.112 | 0.001 |
| HAS02 | - | - | 0.018 | 0.000 | 0.061 | 0.001 | 0.044 | 0.000 |
| C02 | - | - | 0.0 | - | 48.400 | 1.100 | 37.400 | 0.850 |
| H2S | - | - | 0.850 | 0.025 | 1.700 | 0.050 | 0.510 | 0.015 |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 19.618 | 37.554 | 37.554 | 50.272 | 50.272 | 41.569 | 41.569 | 41.569 |
| CA/(HC03+C03) | 0.259 | 0.639 | 0.639 | 0.462 | 0.462 | 0.515 | 0.515 | 0.515 |
| MG/CA | 1.519 | 0.244 | 0.244 | 0.118 | 0.118 | 0.195 | 0.195 | 0.195 |
| NA/CA | 2.993 | 3.582 | 3.582 | 4.739 | 4.739 | 3.979 | 3.979 | 3.979 |
| CL/(HC03+C03) | 0.571 | 1.861 | 1.861 | 1.441 | 1.441 | 1.472 | 1.472 | 1.472 |
| CL/F | 1220.671 | 97.637 | 97.637 | 86.940 | 86.940 | 82.624 | 82.624 | 82.624 |
| CL*100/(CL+S04+HC03+C03) | - | 56.949 | 56.949 | 51.110 | 51.110 | 51.263 | 51.263 | 51.263 |
| SO4*100/(CL+S04+HC03+C03) | - | 12.451 | 12.451 | 13.432 | 13.432 | 13.916 | 13.916 | 13.916 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 30.600 | 30.600 | 35.458 | 35.458 | 34.821 | 34.821 | 34.821 |
| (NA+K)*100/(NA+K+CA+MG) | 55.334 | 74.718 | 74.718 | 81.222 | 81.222 | 77.323 | 77.323 | 77.323 |
| CA*100/(NA+K+CA+MG) | 17.591 | 20.321 | 20.321 | 16.803 | 16.803 | 18.977 | 18.977 | 18.977 |
| MG*100/(NA+K+CA+MG) | 27.075 | 4.962 | 4.962 | 1.975 | 1.975 | 3.701 | 3.701 | 3.701 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 69.400 | 69.400 | 64.542 | 64.542 | 65.179 | 65.179 | 65.179 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 30.600 | 30.600 | 35.458 | 35.458 | 34.821 | 34.821 | 34.821 |
| (NA+K)*100/(NA+K+CA+MG) | 55.334 | 74.718 | 74.718 | 81.222 | 81.222 | 77.323 | 77.323 | 77.323 |
| (CA+MG)*100/(NA+K+CA+MG) | 44.666 | 25.282 | 25.282 | 18.778 | 18.778 | 22.677 | 22.677 | 22.677 |

第5-2表 十勝川上流地蔵水質一覽表 (つづき)

| | TKC 25 | TKC 26 | TKC 27 | TKC 28 |
|---------------------------------|-----------|---------|----------|---------|
| NO | 53.0 | 47.0 | 56.0 | 33.0 |
| TEMP | 25.3(1.3) | 370.000 | 3507.000 | 482.000 |
| TSM | 9.00 | 6.80 | 7.90 | 7.20 |
| PH(ED) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(WTAI/°C) | - | - | - | - |
| K | 2.300 | 8.100 | 0.207 | 1.330 |
| NA | 179.100 | 236.000 | 10.266 | 43.935 |
| CA | 43.400 | 47.800 | 2.395 | 3.064 |
| MG | 13.600 | 12.000 | 0.987 | 1.850 |
| FE | 1.360 | 0.580 | 0.021 | 0.034 |
| MN | 1.300 | 0.350 | 0.013 | 0.001 |
| ZN | - | 0.056 | 0.002 | 0.002 |
| CU | - | 0.014 | 0.000 | 0.008 |
| PR | - | 0.006 | 0.000 | 0.000 |
| AL | 4.300 | 4.810 | 0.535 | 0.859 |
| CL | 292.000 | 247.500 | 7.010 | 26.537 |
| BR | - | - | - | - |
| I | 1.550 | 1.560 | 0.082 | 0.020 |
| F | 13.100 | 117.600 | 5.770 | 0.120 |
| S04 | 175.400 | 299.900 | 4.899 | 24.495 |
| S203 | - | - | - | - |
| HC03 | 64.000 | 64.467 | 1.073 | 2.772 |
| CO3 | 55.000 | 71.600 | 1.634 | 4.906 |
| ST02 (MG/KG)(WTAI/KG) | 3.106 | 0.408 | 0.004 | 0.008 |
| H3P04 | 0.068 | 29.000 | 0.659 | 0.062 |
| HAS02 | - | 0.850 | 0.025 | 0.129 |
| H2S | - | - | - | 0.030 |
| RI (*F-10 CURT/L) | - | - | - | - |
| NA/K | 135.007 | 49.547 | 33.030 | 43.418 |
| CA/(HC03+CO3) | 0.714 | 0.487 | 0.125 | 0.209 |
| MC/CA | 0.512 | 0.614 | 0.604 | 0.193 |
| NA/CA | 3.366 | 4.304 | 14.540 | 4.377 |
| CL/(HC03+CO3) | 2.054 | 1.431 | 1.083 | 0.158 |
| CL/F | 77.066 | 85.367 | 1344.334 | 44.988 |
| CL*100/(CL+S04+HC03+CO3) | 56.750 | 48.826 | 51.879 | 12.700 |
| S04*100/(CL+S04+HC03+CO3) | 15.615 | 17.953 | 0.235 | 6.875 |
| (HC03+CO3)*100/(CL+S04+CO3+CO3) | 27.633 | 34.121 | 47.886 | 80.425 |
| (NA+K)*100/(NA+K+CA+MG) | 69.170 | 75.641 | 90.205 | 78.959 |
| CA*100/(NA+K+CA+MG) | 26.309 | 17.827 | 6.106 | 17.634 |
| MC*100/(NA+K+CA+MG) | 10.400 | 7.132 | 3.690 | 3.407 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 76.367 | 65.879 | 52.114 | 19.575 |
| (HC03+CO3)*100/(CL+S04+CO3+CO3) | 27.633 | 34.121 | 47.886 | 80.425 |
| (NA+K)*100/(NA+K+CA+MG) | 69.170 | 75.641 | 90.205 | 78.959 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.330 | 24.359 | 9.795 | 21.041 |

第5-2表 十勝川上流地域水質一覽表(つづき)

| NO | TKC 29 | | | TKC 30 | | | TKC 31 | | | TKC 32 | | |
|----------------------------------|----------|---------|---------|--------|-------|--------|---------|--------|---------|--------|-----|--------|
| | TEMP | TSM | PH(F/D) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 80.000 | 2.046 | 0.500 | 0.500 | 0.013 | 0.013 | 53.000 | 1.356 | 83.800 | 2.144 | | |
| NA | 740.000 | 32.190 | 37.500 | 37.500 | 1.631 | 1.631 | 464.000 | 20.184 | 677.000 | 29.450 | | |
| NP4 | | | | | | | | | | | | |
| CA | 126.000 | 6.327 | 8.500 | 8.500 | 0.424 | 0.424 | 63.200 | 3.154 | 118.600 | 5.918 | | |
| MG | 4.150 | 0.342 | 2.500 | 2.500 | 0.206 | 0.206 | 6.300 | 0.518 | 9.500 | 0.782 | | |
| FF | 9.100 | 0.074 | 0.087 | 0.087 | 0.003 | 0.003 | 0.140 | 0.005 | 0.080 | 0.003 | | |
| MN | 1.090 | 0.040 | 0.0 | 0.0 | 0.001 | 0.001 | 0.400 | 0.015 | 0.900 | 0.033 | | |
| ZN | 0.045 | 0.001 | 0.001 | 0.001 | 0.004 | 0.004 | 0.064 | 0.002 | 0.083 | 0.003 | | |
| CU | 0.030 | 0.001 | 0.0 | 0.0 | 0.011 | 0.011 | 0.0 | 0.000 | 0.026 | 0.001 | | |
| PR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| AL | 5.480 | 0.609 | 8.000 | 8.000 | 0.890 | 0.890 | 2.800 | 0.311 | 3.600 | 0.400 | | |
| CL | 891.000 | 25.135 | 21.300 | 21.300 | 0.601 | 0.601 | 514.700 | 14.520 | 976.200 | 27.539 | | |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | 0.420 | 0.022 | 0.500 | 0.500 | 0.031 | 0.031 | 0.520 | 0.027 | 0.420 | 0.022 | | |
| OH | | | | | | | | | | | | |
| S04 | 34.100 | 0.710 | 90.900 | 90.900 | 1.893 | 1.893 | 22.600 | 0.471 | 23.400 | 0.487 | | |
| S203 | | | | | | | | | | | | |
| HC03 | 945.500 | 15.497 | 48.800 | 48.800 | 0.800 | 0.800 | 639.500 | 10.481 | 652.900 | 10.701 | | |
| CO3 | | | | | | | | | | | | |
| SIO2 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HR02 | 13.463 | 0.307 | 15.001 | 15.001 | 0.250 | 0.250 | 113.010 | 1.882 | 108.471 | 1.806 | | |
| H3PO4 | 248.600 | 5.673 | 5.960 | 5.960 | 0.204 | 0.204 | 89.600 | 2.045 | 165.700 | 3.781 | | |
| HAS02 | 9.194 | 0.002 | 0.016 | 0.016 | 0.000 | 0.000 | 0.063 | 0.001 | 0.077 | 0.001 | | |
| CO2 | 307.200 | 8.797 | 0.068 | 0.068 | 0.001 | 0.001 | 0.001 | 0.000 | 0.027 | 0.000 | | |
| H2S | 2.380 | 0.070 | 0.150 | 0.150 | 0.004 | 0.004 | 78.600 | 1.809 | 91.000 | 2.068 | | |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 15.730 | 127.541 | | | | | | | | | | |
| CA/(HC03+CO3) | 0.408 | 0.530 | | | | | | | | | | |
| MG/CA | 0.054 | 0.485 | | | | | | | | | | |
| NA/CA | 5.087 | 3.846 | | | | | | | | | | |
| CL/(HC03+CO3) | 1.622 | 0.751 | | | | | | | | | | |
| CL/F | 1136.883 | 19.681 | | | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 60.798 | 18.246 | | | | | | | | | | |
| S04*100/(CL+S04+HC03+CO3) | 1.717 | 57.467 | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 37.484 | 24.287 | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 83.697 | 72.300 | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | 15.468 | 18.653 | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | 0.835 | 9.047 | | | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 62.516 | 75.713 | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 37.484 | 24.287 | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 83.697 | 72.300 | | | | | | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 16.303 | 27.700 | | | | | | | | | | |

第5-2表 十勝川上流地域水質一覽表(つづき)

| NO | TKC 33 | | TKC 34 | | TKC 35 | | TKC 36 | |
|----------------------------------|----------|---------|---------|---------|---------|--------|---------|--------|
| | 56.0 | 41.0 | 50.0 | 47.5 | 875.000 | 7.20 | 11.200 | 10.223 |
| TEMP | 3126.000 | 422.000 | 875.000 | 862.000 | | | | |
| PH(FD) | 7.90 | 7.40 | 7.20 | 7.20 | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 60.100 | 1.537 | 7.000 | 0.179 | 10.200 | 0.261 | 11.200 | 0.286 |
| NA | 943.000 | 41.238 | 72.000 | 3.132 | 230.000 | 10.005 | 235.000 | 10.223 |
| NH4 | | | | | | | | |
| CA | 52.500 | 2.620 | 15.700 | 0.783 | 63.600 | 3.174 | 56.400 | 2.814 |
| MG | 16.400 | 1.350 | 6.300 | 0.518 | 3.600 | 0.296 | 3.100 | 0.255 |
| FF | 0.170 | 0.006 | 0.510 | 0.018 | 0.130 | 0.005 | 0.170 | 0.006 |
| MN | 0.0 | 0.0 | 0.0 | 0.0 | 0.250 | 0.009 | 0.260 | 0.009 |
| ZN | 0.039 | 0.001 | 0.010 | 0.000 | 0.030 | 0.001 | 0.032 | 0.001 |
| CU | 0.030 | 0.001 | 0.010 | 0.000 | 0.010 | 0.000 | 0.010 | 0.000 |
| PB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.000 | 0.0 | 0.000 |
| AL | 3.800 | 0.423 | 11.600 | 1.290 | 6.100 | 0.678 | 8.000 | 0.890 |
| CL | 945.200 | 25.536 | 53.200 | 1.501 | 248.500 | 7.010 | 255.600 | 7.210 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.450 | 0.024 | 0.200 | 0.011 | 3.200 | 0.168 | 3.200 | 0.168 |
| OH | | | | | | | | |
| S04 | 60.400 | 1.258 | 9.000 | 0.187 | 85.100 | 1.772 | 77.300 | 1.609 |
| S203 | | | | | | | | |
| HC03 | 1210.000 | 19.832 | 256.900 | 4.211 | 335.700 | 5.502 | 335.700 | 5.502 |
| CO3 | | | | | | | | |
| ST02 (MG/KG)(MMOL/KG) | 167.010 | 1.782 | 23.464 | 0.391 | 81.007 | 1.349 | 86.469 | 1.440 |
| HR02 | 138.100 | 4.292 | 22.400 | 0.511 | 49.200 | 1.123 | 58.200 | 1.328 |
| H3PO4 | 0.276 | 0.003 | 0.327 | 0.003 | 0.715 | 0.007 | 0.506 | 0.003 |
| HAS02 | 0.024 | 0.000 | 0.013 | 0.000 | 0.016 | 0.000 | 0.016 | 0.000 |
| CO2 | 426.800 | 9.697 | 78. | | 39.600 | 0.900 | 48.400 | 1.100 |
| H2S | 1.300 | 0.038 | 1.200 | 0.035 | 1.000 | 0.029 | 1.200 | 0.035 |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 26.824 | 17.491 | 17.491 | 35.346 | 35.346 | 35.346 | 35.681 | 35.681 |
| CA/(HC03+CO3) | 0.132 | 0.186 | 0.186 | 0.577 | 0.577 | 0.512 | 0.512 | 0.512 |
| MG/CA | 0.515 | 0.662 | 0.662 | 0.093 | 0.093 | 0.091 | 0.091 | 0.091 |
| NA/GA | 15.741 | 3.998 | 3.998 | 3.153 | 3.153 | 3.632 | 3.632 | 3.632 |
| CL/(HC03+CO3) | 1.288 | 0.356 | 0.356 | 1.274 | 1.274 | 1.310 | 1.310 | 1.310 |
| CL/F | 1078.001 | 142.551 | 142.551 | 41.616 | 41.616 | 42.805 | 42.805 | 42.805 |
| CL*100/(CL+S04+HC03+CO3) | 54.768 | 25.442 | 25.442 | 49.077 | 49.077 | 50.346 | 50.346 | 50.346 |
| S04*100/(CL+S04+HC03+CO3) | 2.697 | 3.177 | 3.177 | 12.404 | 12.404 | 11.237 | 11.237 | 11.237 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.535 | 71.381 | 71.381 | 38.519 | 38.519 | 38.417 | 38.417 | 38.417 |
| (NA+K)*100/(NA+K+CA+MG) | 91.509 | 71.778 | 71.778 | 74.738 | 74.738 | 77.395 | 77.395 | 77.395 |
| CA*100/(NA+K+CA+MG) | 5.604 | 16.983 | 16.983 | 23.105 | 23.105 | 20.727 | 20.727 | 20.727 |
| MG*100/(NA+K+CA+MG) | 2.887 | 11.239 | 11.239 | 2.157 | 2.157 | 1.879 | 1.879 | 1.879 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 57.465 | 28.619 | 28.619 | 61.481 | 61.481 | 61.583 | 61.583 | 61.583 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 42.535 | 71.381 | 71.381 | 38.519 | 38.519 | 38.417 | 38.417 | 38.417 |
| (NA+K)*100/(NA+K+CA+MG) | 91.509 | 71.778 | 71.778 | 74.738 | 74.738 | 77.395 | 77.395 | 77.395 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.491 | 28.222 | 28.222 | 2.562 | 2.562 | 2.605 | 2.605 | 2.605 |

第5-2表 十勝川上流地域水質一覽表(つづき)

| | TKC 37 | TKC 38 | TKC 39 | TKC 40 |
|---|----------|---------|---------|----------|
| NO | 53.0 | 45.0 | 27.0 | 60.0 |
| TEMP | 1950.000 | 856.000 | 488.000 | 2143.500 |
| TSM | 6.90 | 7.40 | 7.40 | 6.00 |
| PH(FD) | - | - | - | - |
| PH(LH) | - | - | - | - |
| H (MG/KG) (M/L/G) | | | | |
| K | 22.000 | 0.563 | 0.102 | 1.663 |
| NA | 731.000 | 21.799 | 15.000 | 618.000 |
| NH4 | | | 4.000 | 26.883 |
| CA | 23.500 | 1.173 | 80.700 | 4.441 |
| MC | 10.100 | 0.231 | 18.400 | 0.708 |
| FF | 2.200 | 0.079 | 0.493 | 0.004 |
| MN | 0.015 | 0.000 | 0.520 | 0.840 |
| ZN | 0.0 | 0.017 | 0.013 | 0.031 |
| CU | 0.0 | TP | 0.0 | - |
| PP | 0.012 | 0.000 | 0.019 | 0.000 |
| AL | 3.000 | 0.344 | 2.000 | 0.300 |
| CL | 876.000 | 24.994 | 28.500 | 994.000 |
| RP | - | - | 7.476 | 28.041 |
| I | - | - | - | - |
| F | 0.0 | 0.0 | 0.050 | 0.003 |
| OH | - | - | - | - |
| SO4 | 19.300 | 0.402 | 33.030 | 71.000 |
| S2O3 | - | - | - | 1.478 |
| HC03 | 549.000 | 8.098 | 308.000 | 280.000 |
| CO3 | - | - | - | 4.589 |
| SI02 (MG/G) (MPL/KG) | | | | |
| HF02 | 196.172 | 3.266 | 0.583 | 127.704 |
| H3PO4 | 15.480 | 0.353 | 17.950 | 206.000 |
| HAS02 | 0.204 | 0.002 | 0.125 | 0.255 |
| CO2 | 0.006 | 0.000 | TR | 0.003 |
| H2S | 113.900 | 2.599 | 0.504 | 167.000 |
| | 2.250 | 0.066 | 0.020 | 3.794 |
| RP | - | - | 0.640 | 7.650 |
| RN (*Γ-10 CURTE/L) | | | | |
| NA/K | 16.535 | 39.453 | 6.377 | 16.168 |
| CA/(HC03+CO3) | 0.130 | 0.669 | 0.798 | 0.968 |
| MG/CA | 5.709 | 0.145 | 0.376 | 0.159 |
| NA/CA | 97.117 | 3.773 | 0.162 | 6.053 |
| CL/(HC03+CO3) | 2.772 | 1.869 | 0.159 | 6.110 |
| CL/F | - | - | 303.465 | 9345.418 |
| CL*10 ¹ /(CL+SO4+HC03+CO3) | 72.670 | 54.309 | 12.295 | 82.211 |
| SO4*10 ¹ /(CL+SO4+HC03+CO3) | 1.158 | 16.638 | 10.507 | 4.334 |
| (HC03+CO3)*10 ¹ /(CL+SO4+HC03+CO3) | 96.152 | 29.053 | 77.198 | 13.455 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 96.159 | 77.169 | 11.989 | 84.719 |
| CA*10 ¹ /(NA+K+CA+MG) | 3.412 | 19.906 | 63.861 | 13.180 |
| MG*10 ¹ /(NA+K+CA+MG) | 2.419 | 2.884 | 24.050 | 2.100 |
| (CL+SO4)*10 ¹ /(CL+SO4+HC03+CO3) | 73.838 | 70.947 | 22.802 | 86.545 |
| (HC03+CO3)*10 ¹ /(CL+SO4+HC03+CO3) | 16.162 | 29.053 | 77.198 | 13.455 |
| (NA+K)*10 ¹ /(NA+K+CA+MG) | 96.159 | 77.169 | 11.989 | 84.719 |
| (CA+MG)*1.10/(NA+K+CA+MG) | 5.231 | 22.831 | 88.011 | 15.281 |

第5-2表 十勝川上流地域水質一覽表(つづき)

| | TKC 41 | TKC 42 | TKC 43 | TKC 44 |
|----------------------------------|----------|----------|----------|----------|
| NO | 53.0 | 71.0 | 80.0 | 38.0 |
| TEMP | 2738.500 | 2882.500 | 2430.000 | 3824.000 |
| TSM | 6.60 | 6.80 | 7.60 | 6.00 |
| PH(FD) | | | | |
| PH(LR) | | | | |
| H (MG/KG)(M/L/KG) | 70.000 | 1.791 | 67.000 | 1.714 |
| K | 740.000 | 33.930 | 850.000 | 36.975 |
| NA | | | | |
| NH4 | 66.800 | 3.333 | 53.400 | 2.665 |
| CA | 0.540 | 0.044 | 20.900 | 1.720 |
| MG | 0.190 | 0.007 | 6.050 | 0.217 |
| FE | 1.360 | 0.050 | 0.270 | 0.010 |
| MN | 0.0 | 0.0 | 0.0 | 0.045 |
| ZN | 0.0 | 0.0 | 0.0 | 0.0 |
| CU | 0.0 | 0.0 | 0.0 | 0.0 |
| PR | 0.021 | 0.000 | 0.0 | 0.0 |
| AL | 12.000 | 1.334 | 4.940 | 0.549 |
| CL | 952.000 | 24.035 | 1067.000 | 30.100 |
| HR | | | | |
| I | | | | |
| F | 0.480 | 0.025 | 0.480 | 0.021 |
| OH | | | | |
| SO4 | 30.000 | 0.625 | 169.000 | 3.519 |
| S2O3 | | | | |
| HCO3 | 951.000 | 15.387 | 616.000 | 10.096 |
| CO3 | | | | |
| STO2 (MG/KG)(MMOL/KG) | 79.232 | 1.319 | 197.325 | 3.202 |
| HR02 | 123.000 | 4.176 | 161.000 | 3.674 |
| H3PO4 | 0.109 | 0.001 | 0.306 | 0.003 |
| HASO2 | 202.000 | 4.389 | 6.017 | 0.000 |
| CO2 | 0.765 | 0.022 | 264.000 | 6.089 |
| H2S | | | 1.530 | 0.045 |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 18.949 | 21.574 | 18.758 | 29.897 |
| CA/(HCO3+CO3) | 0.214 | 0.264 | 0.135 | 0.152 |
| MG/CA | 0.013 | 0.645 | 0.478 | 0.217 |
| NA/CA | 10.179 | 13.876 | 21.154 | 12.503 |
| CL/(HCO3+CO3) | 1.542 | 2.981 | 3.169 | 1.194 |
| CL/F | 951.230 | 1429.525 | 952.347 | 1569.009 |
| CL*100/(CL+S04+HCO3+CO3) | 59.719 | 68.855 | 66.818 | 54.036 |
| S04*100/(CL+S04+HCO3+CO3) | 1.552 | 8.049 | 2.370 | 0.719 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 38.729 | 23.096 | 30.811 | 45.245 |
| (NA+K)*100/(NA+K+CA+MG) | 91.361 | 89.821 | 93.779 | 91.392 |
| CA*100/(NA+K+CA+MG) | 8.525 | 6.186 | 4.209 | 7.073 |
| MG*100/(NA+K+CA+MG) | 0.114 | 3.993 | 2.013 | 1.535 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 51.271 | 76.904 | 69.189 | 54.755 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 38.729 | 23.096 | 30.811 | 45.245 |
| (NA+K)*100/(NA+K+CA+MG) | 91.361 | 89.821 | 93.779 | 91.392 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.639 | 10.179 | 6.221 | 8.608 |

第5-2表 十勝川上流地域水質一覧表(つづき)

| NO | TKC 45 | | TKC 46 | | TKC 47 | | TKC 48 | |
|----------------------------------|---------|--------|---------|---------|----------|--------|----------|--------|
| | 25.6 | 25.0 | 25.0 | 25.0 | 2069.000 | — | 1455.000 | — |
| TEMP | 822.000 | — | 221.000 | — | 7.80 | — | 7.50 | — |
| TSM | 7.20 | — | 6.80 | — | — | — | — | — |
| PH(PD) | — | — | — | — | — | — | — | — |
| PH(LE) | — | — | — | — | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — | — | — | — | — |
| K | 5.920 | 0.151 | 2.550 | 0.065 | 2.700 | 0.069 | 40.500 | 1.036 |
| NA | 152.000 | 6.612 | 44.800 | 1.949 | 235.400 | 10.240 | 152.000 | 6.612 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 133.400 | 6.657 | 13.510 | 0.674 | 196.100 | 9.785 | 167.900 | 8.378 |
| MG | 29.670 | 2.442 | 0.153 | 0.013 | 128.700 | 10.591 | 113.600 | 9.348 |
| FE | 1.830 | 0.066 | 0.281 | 0.010 | — | — | 0.800 | 0.029 |
| MN | 1.000 | 0.036 | 0.251 | 0.009 | — | — | 0.0 | — |
| ZN | 0.042 | 0.001 | 0.002 | 0.000 | — | — | 0.043 | 0.001 |
| CU | 0.0 | 0.0 | 0.0 | — | — | — | 0.040 | 0.001 |
| PR | 0.0 | — | 0.0 | — | — | — | 0.058 | 0.001 |
| AL | 3.774 | 0.420 | 4.179 | 0.465 | — | — | 2.570 | 0.286 |
| CL | 56.800 | 1.602 | 21.300 | 0.601 | 256.400 | 7.233 | 216.500 | 6.107 |
| BP | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | 0.0 | — | 0.455 | 0.024 | — | — | 0.304 | 0.016 |
| OH | — | — | — | — | — | — | — | — |
| S04 | 84.770 | 1.765 | 80.020 | 1.666 | 969.600 | 20.187 | 767.200 | 15.973 |
| S203 | — | — | — | — | — | — | — | — |
| HC03 | 793.000 | 12.997 | 53.700 | 0.880 | 197.400 | 3.235 | 207.400 | 3.399 |
| CO3 | — | — | — | — | — | — | — | — |
| SI02 (MG/KG)(MMOL/KG) | 61.005 | 1.016 | 8.855 | 0.147 | 96.932 | 1.614 | 131.858 | 2.195 |
| HI02 | 21.900 | 0.500 | 15.330 | 0.350 | 26.800 | 0.657 | 13.400 | 0.306 |
| H3PO4 | 0.455 | 0.005 | 0.225 | 0.002 | 0.827 | 0.008 | 1.838 | 0.019 |
| HAS02 | — | — | 0.044 | 0.000 | — | — | 0.036 | 0.000 |
| CO2 | 59.840 | 1.360 | 8.800 | 0.200 | — | — | — | — |
| H2S | 0.595 | 0.017 | 0.504 | 0.016 | — | — | — | — |
| RN (*E-10 CURIE/L) | — | — | — | — | — | — | — | — |
| NA/K | 13.663 | 29.876 | 148.263 | 6.382 | — | — | — | — |
| CA/(HC03+CO3) | 0.512 | 0.766 | 3.024 | 2.465 | — | — | — | — |
| MG/CA | 0.367 | 0.019 | 1.082 | 1.116 | — | — | — | — |
| NA/CA | 0.993 | 2.891 | 1.046 | 0.789 | — | — | — | — |
| CL/(HC03+CO3) | 0.123 | 0.683 | 2.236 | 1.797 | — | — | — | — |
| CL/F | — | 25.087 | — | 381.655 | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 9.791 | 19.093 | 23.595 | 23.970 | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | 10.785 | 52.939 | 65.851 | 62.689 | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 79.424 | 27.967 | 10.554 | 13.341 | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 42.640 | 74.572 | 33.596 | 30.141 | — | — | — | — |
| CA*100/(NA+K+CA+MG) | 41.967 | 24.961 | 31.890 | 33.018 | — | — | — | — |
| MG*100/(NA+K+CA+MG) | 15.393 | 0.466 | 34.514 | 36.841 | — | — | — | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 20.576 | 72.033 | 89.446 | 86.659 | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 79.424 | 27.967 | 10.554 | 13.341 | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 42.640 | 74.572 | 33.596 | 30.141 | — | — | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | 57.360 | 25.428 | 66.404 | 69.859 | — | — | — | — |

第5-2表 十勝川上流地域水質一覽表(つづき)

| NO | TKC 49 | | TKC 50 | | TKC 51 | | TKC 52 | |
|---|---------|----------|----------|----------|----------|---------|---------|---------|
| | 53.0 | 43.0 | 31.0 | 31.0 | 31.0 | 27.0 | 27.0 | 198.000 |
| TFMP | 230.100 | 3717.000 | 4033.000 | 4033.000 | 4033.000 | 198.000 | 198.000 | 9.80 |
| TSM | 9.40 | 5.60 | 6.20 | 6.20 | 6.20 | 9.80 | 9.80 | — |
| PH(FD) | — | — | — | — | — | — | — | — |
| PH(LR) | — | — | — | — | — | — | — | — |
| H (MG/KG)(MVAI /KG) | — | — | — | — | — | — | — | — |
| K | 4.000 | 0.102 | 31.400 | 0.803 | 31.000 | 0.400 | 0.010 | 0.010 |
| NA | 59.700 | 2.597 | 280.000 | 12.160 | 203.000 | 57.500 | 2.501 | 2.501 |
| NH4 | — | — | — | — | — | — | — | — |
| CA | 1.400 | 0.120 | 514.500 | 25.674 | 614.000 | 5.360 | 0.267 | 0.267 |
| MG | 3.900 | 0.321 | 226.000 | 18.598 | 204.000 | 0.540 | 0.044 | 0.044 |
| FF | 0.110 | 0.004 | 0.510 | 0.018 | 78.000 | 2.700 | 0.097 | 0.097 |
| MN | — | — | — | — | 7.000 | 0.0 | 0.0 | 0.0 |
| ZN | — | — | — | — | 0.0 | 0.009 | 0.000 | 0.000 |
| CU | — | — | — | — | 0.0 | 0.027 | 0.001 | 0.001 |
| PR | — | — | — | — | 0.0 | 0.0 | — | — |
| AL | 2.700 | 0.305 | 4.380 | 0.487 | 2.350 | 0.860 | 0.096 | 0.096 |
| CL | 20.800 | 0.700 | 568.000 | 16.023 | 1107.000 | 5.020 | 0.142 | 0.142 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | 0.700 | 0.037 | 0.370 | 0.019 | 1.350 | 1.470 | 0.077 | 0.077 |
| OH | 0.042 | 0.002 | — | — | — | 1.070 | 0.063 | 0.063 |
| S04 | 59.200 | 1.233 | 1654.600 | 34.449 | 1008.000 | 22.600 | 0.471 | 0.471 |
| S203 | — | — | — | — | — | — | — | — |
| HC03 | 67.100 | 1.100 | 457.600 | 7.500 | 500.000 | 83.400 | 1.367 | 1.367 |
| C05 | 0.700 | 0.025 | — | — | — | 11.300 | 0.377 | 0.377 |
| SI02 (MG/KG)(MOL/KG) | 0.400 | 0.400 | 177.016 | 2.947 | 97.701 | 22.464 | 0.374 | 0.374 |
| HR02 | 9.110 | 0.202 | 87.360 | 1.994 | 87.600 | 1.999 | — | — |
| H3P04 | — | — | 0.936 | 0.010 | 0.102 | 0.001 | — | — |
| HAS02 | 0.058 | 0.001 | — | — | 0.009 | 0.000 | 0.000 | 0.000 |
| C02 | 0.800 | 0.019 | 492.800 | 11.196 | 383.000 | 0.0 | 0.0 | 0.0 |
| H2S | 4.669 | 0.137 | 25.800 | 0.757 | 0.340 | 9.676 | 0.284 | 0.284 |
| RN (*F-10 CURIE/L) | — | — | — | — | — | — | — | — |
| NA/K | 15.381 | 15.164 | 11.136 | 11.136 | 11.136 | 244.454 | 0.153 | 0.153 |
| CA/(HC03+C05) | 6.107 | 3.423 | 3.739 | 3.739 | 3.739 | 0.166 | 0.166 | 0.166 |
| MG/CA | 2.630 | 0.724 | 0.288 | 0.288 | 0.288 | 9.352 | 0.081 | 0.081 |
| NA/CA | 1.685 | 0.474 | 3.811 | 3.811 | 3.811 | 0.081 | 0.081 | 0.081 |
| CL/(CH03+C05) | 0.602 | 2.136 | 822.685 | 822.685 | 429.888 | 1.830 | 1.830 | 1.830 |
| CL/F | 18.096 | — | — | — | — | — | — | — |
| CL*10 ⁷ /(CL+S04+HC03+C05) | 28.839 | 27.640 | 51.694 | 51.694 | 51.694 | 6.012 | 6.012 | 6.012 |
| S04*10 ⁷ /(CL+S04+HC03+C05) | 40.324 | 59.423 | 34.740 | 34.740 | 34.740 | 19.974 | 19.974 | 19.974 |
| (HC03+C05)*10 ⁷ /(CL+S04+C05) | 26.787 | 12.937 | 13.566 | 13.566 | 13.566 | 74.014 | 74.014 | 74.014 |
| (NA+K)*10 ⁷ /(NA+K+CA+MG) | 25.955 | 22.676 | 16.869 | 16.869 | 16.869 | 88.953 | 88.953 | 88.953 |
| CA*10 ⁷ /(NA+K+CA+MG) | 3.814 | 44.841 | 53.706 | 53.706 | 53.706 | 9.473 | 9.473 | 9.473 |
| MG*10 ⁷ /(NA+K+CA+MG) | 10.221 | 32.482 | 29.426 | 29.426 | 29.426 | 1.574 | 1.574 | 1.574 |
| (CL+S04)*10 ⁷ /(CL+S04+HC03+C05) | 53.213 | 87.063 | 86.434 | 86.434 | 86.434 | 25.986 | 25.986 | 25.986 |
| (HC03+C05)*10 ⁷ /(CL+S04+HC03+C05) | 26.787 | 12.937 | 13.566 | 13.566 | 13.566 | 74.014 | 74.014 | 74.014 |
| (NA+K)*10 ⁷ /(NA+K+CA+MG) | 15.955 | 22.676 | 16.869 | 16.869 | 16.869 | 88.953 | 88.953 | 88.953 |
| (CA+MG)*10 ⁷ /(NA+K+CA+MG) | 14.035 | 77.324 | 83.131 | 83.131 | 83.131 | 11.047 | 11.047 | 11.047 |

第5-3表 十勝川上流地域特定成分含量の頻度分布表

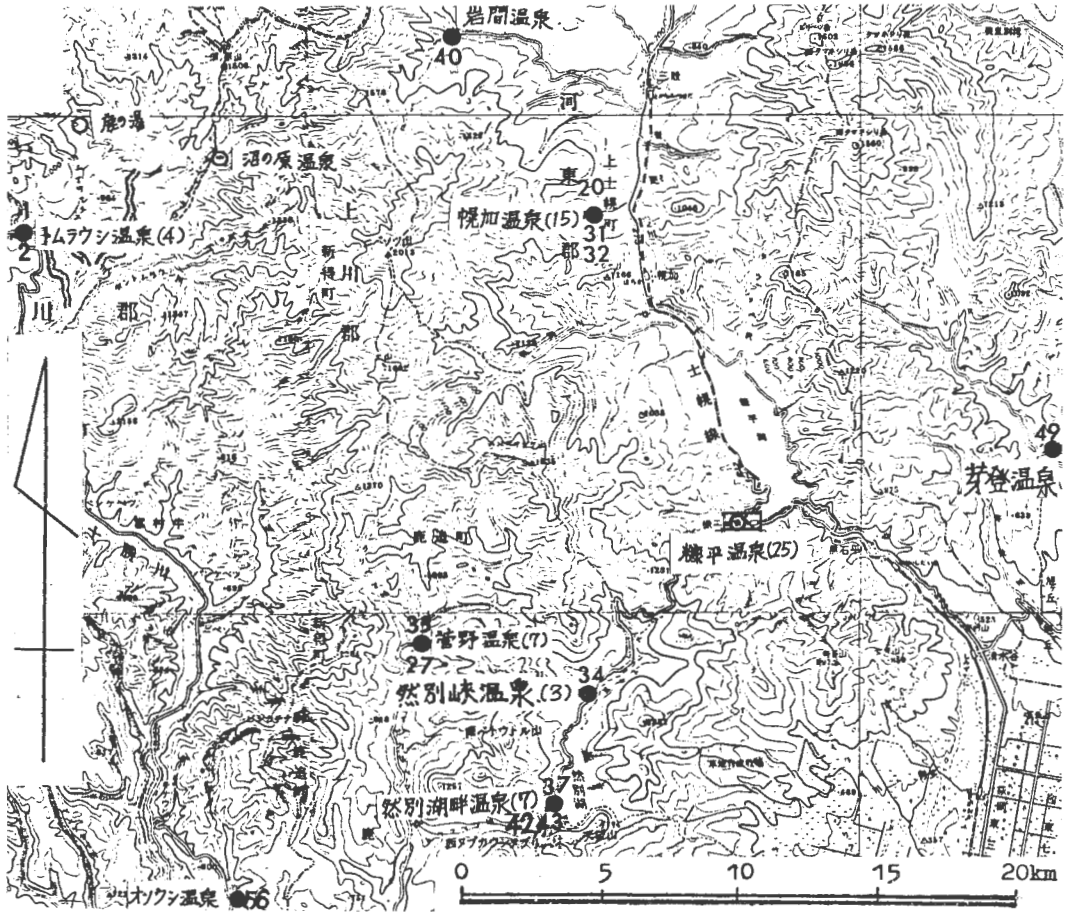
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 25 | 44.5 | ND | 26 | 46.4 |
| <0.500 | 31 | 55.4 | <0.300 | 30 | 53.6 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 56 | 100.0 | TOTAL | 56 | 100.0 |

| PB | N | F(%) | AS | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 29 | 51.2 | ND | 27 | 48.2 |
| <0.100 | 27 | 48.2 | <0.050 | 22 | 39.3 |
| <1.000 | 0 | 0. | <0.500 | 2 | 3.6 |
| >1.000 | 0 | 0. | <5.000 | 5 | 8.9 |
| TOTAL | 56 | 100.0 | >5.000 | 0 | 0. |
| TOTAL | 56 | 100.0 | TOTAL | 56 | 100.0 |

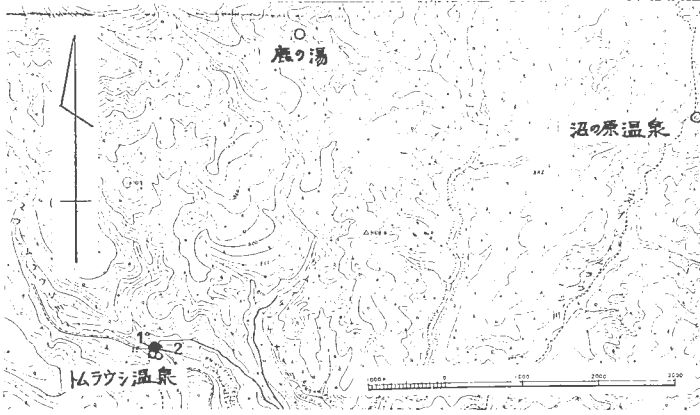
| H2S | N | F(%) | NUMBER OF SAMPLES | FREQUENCY(%) |
|-----------|----|-------|-------------------|--------------|
| ND | 30 | 53.7 | | |
| < 1.000 | 15 | 26.2 | | |
| < 10.000 | 10 | 17.9 | | |
| < 100.000 | 2 | 3.6 | | |
| > 100.000 | 0 | 0. | | |
| TOTAL | 56 | 100.0 | | |

第5-1図 十勝川上流地域における温泉の分布および試料採取地（カッコ内は昭和50年10月現在の源泉数）

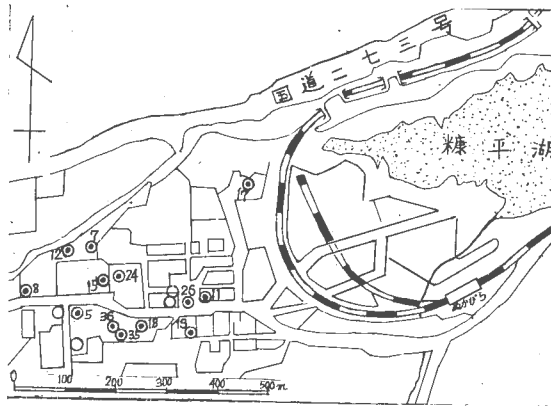


第5-2図 試料採取地（然別湖地区）

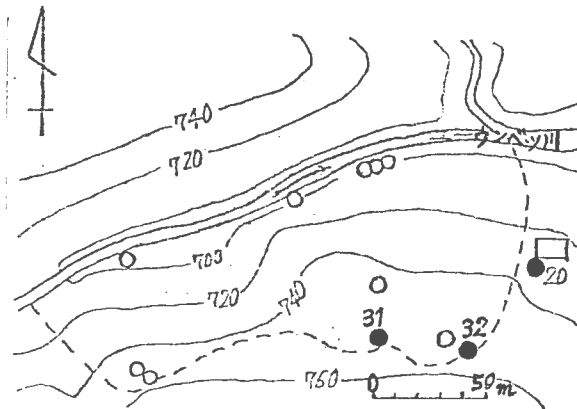
第5-3図 試料採取地および温泉の分布（トムラウシ地区）



第5-4図 試料採取地（糠平温泉）



第5-5図 試料採取地（幌加温泉）（斉藤仁, 1962による）

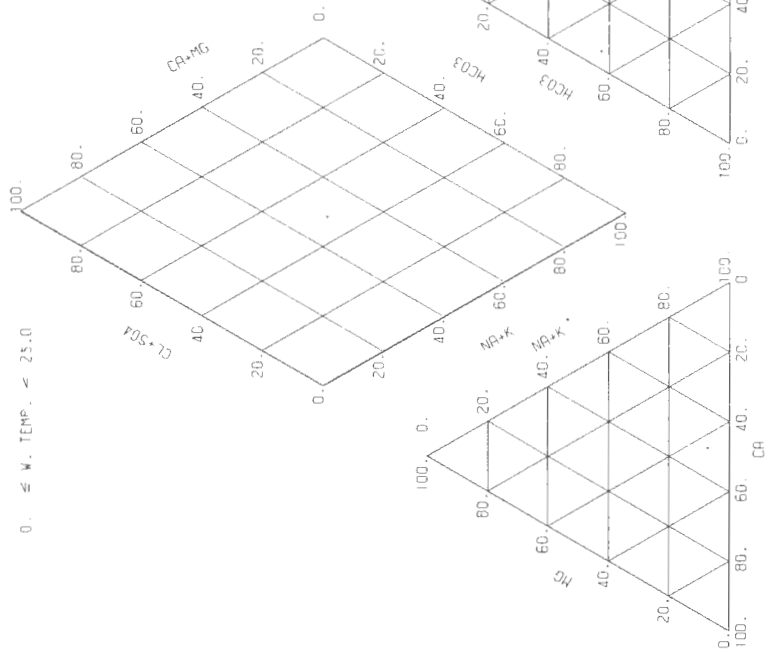


第5-6図 十勝川上流地域水質組成図(その1) (水温25℃未満)

TOKACHI UPSTREAM

AREA CODE TKC

0. ≦ W. TEMP. < 25.0

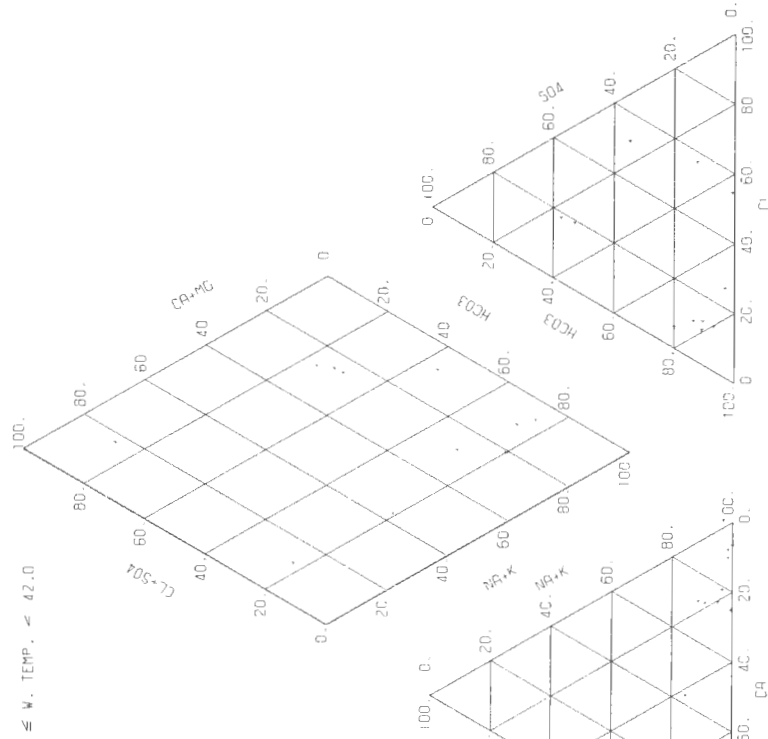


第5-6図 十勝川上流地域水質組成図(その2) (水温25℃以上42℃未満)

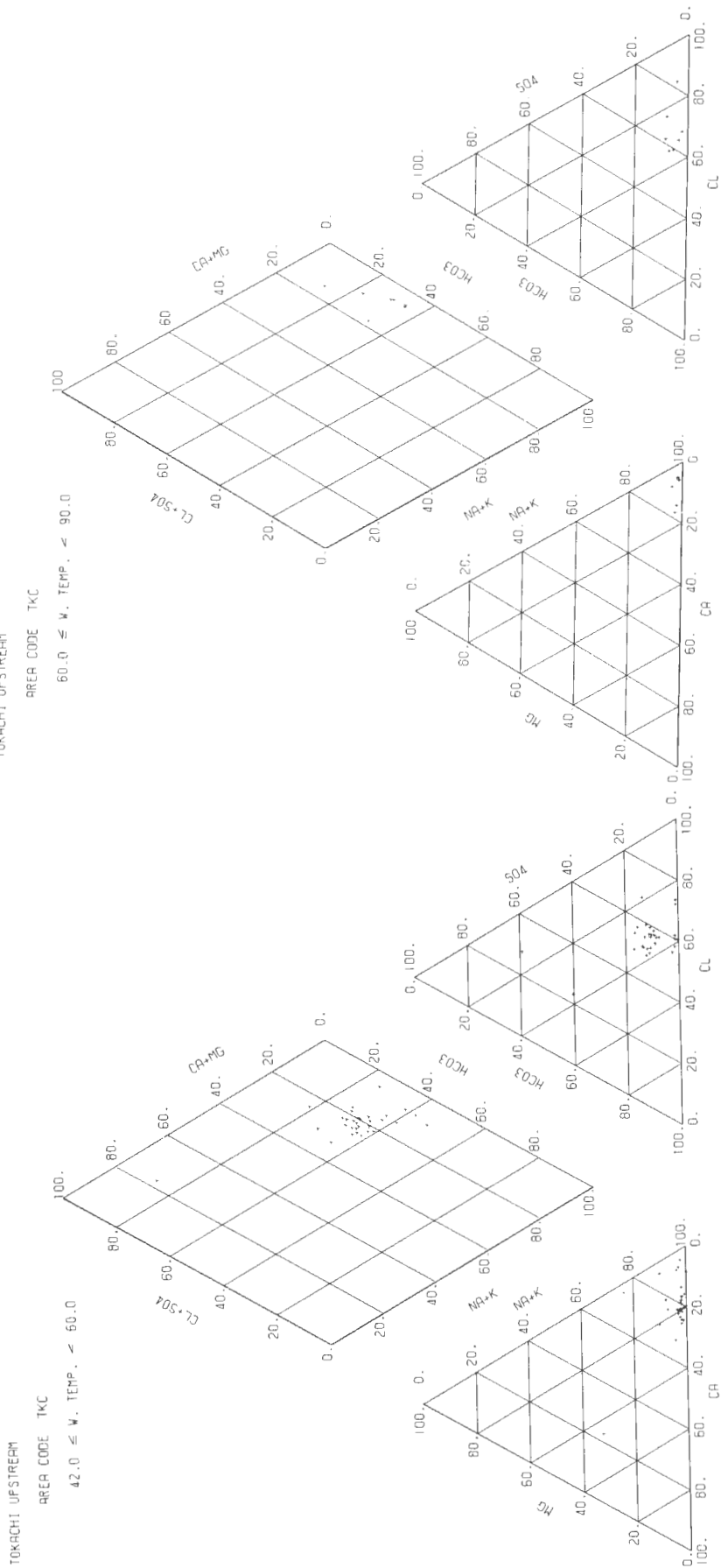
TOKACHI UPSTREAM

AREA CODE TKC

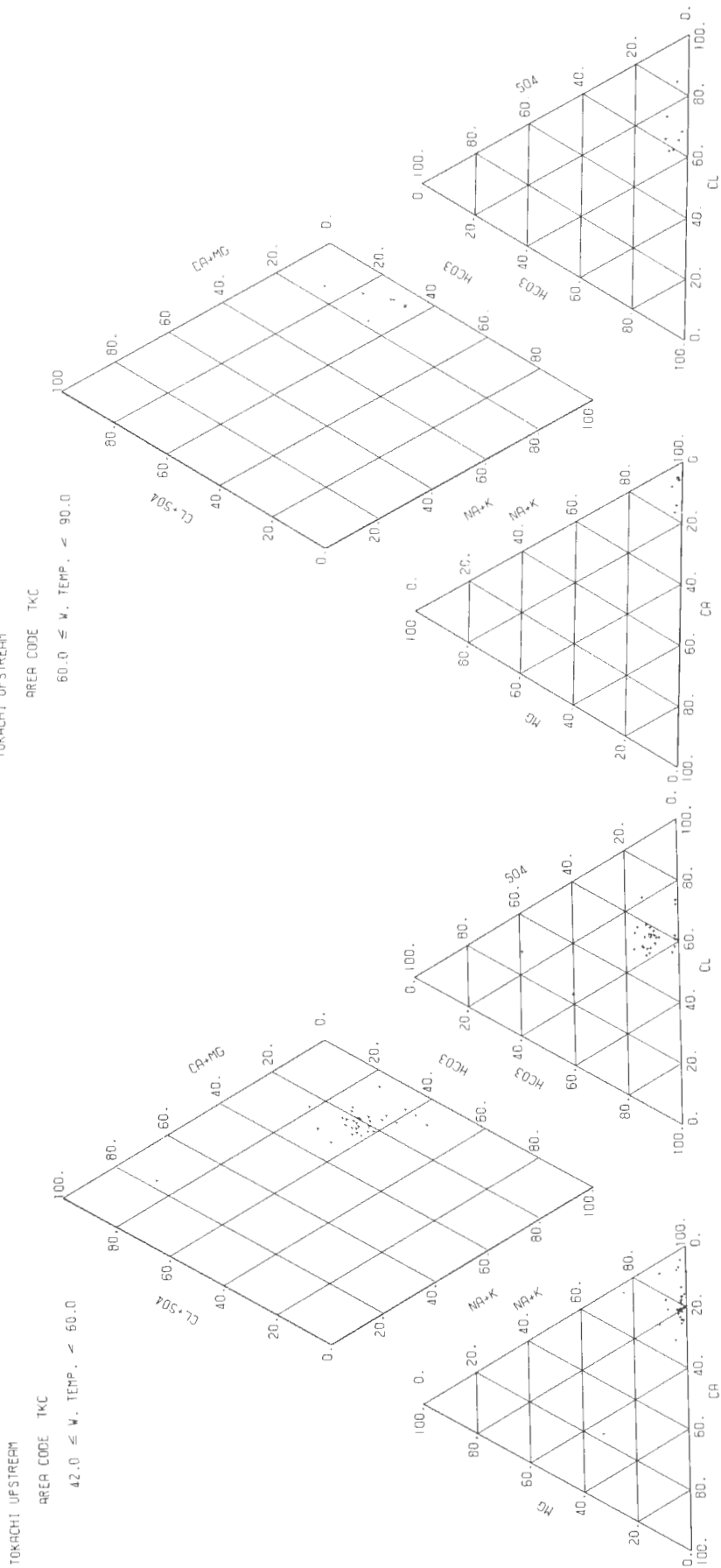
25.0 ≦ W. TEMP. < 42.0



第5-6図 十勝川上流地域水質組成図 (その3) (水温42℃以上60℃未満)



第5-6図 十勝川上流地域水質組成図 (その4) (水温60℃以上90℃未満)

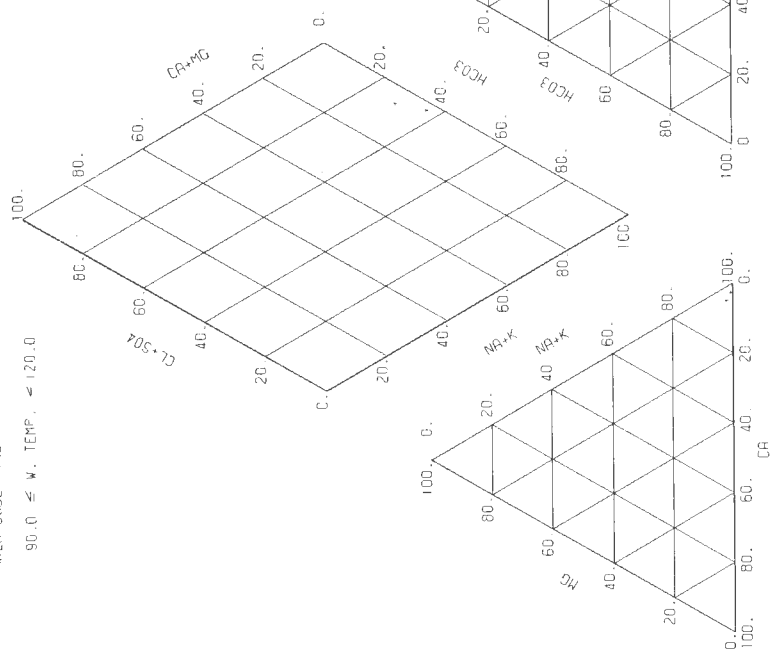


第5-6図 十勝川上流域水質組成図 (その5) (水温90℃以上120℃未満)

TOKACHI UPSTREAM

AREA CODE TKC

90.0 ≤ W. TEMP. < 120.0

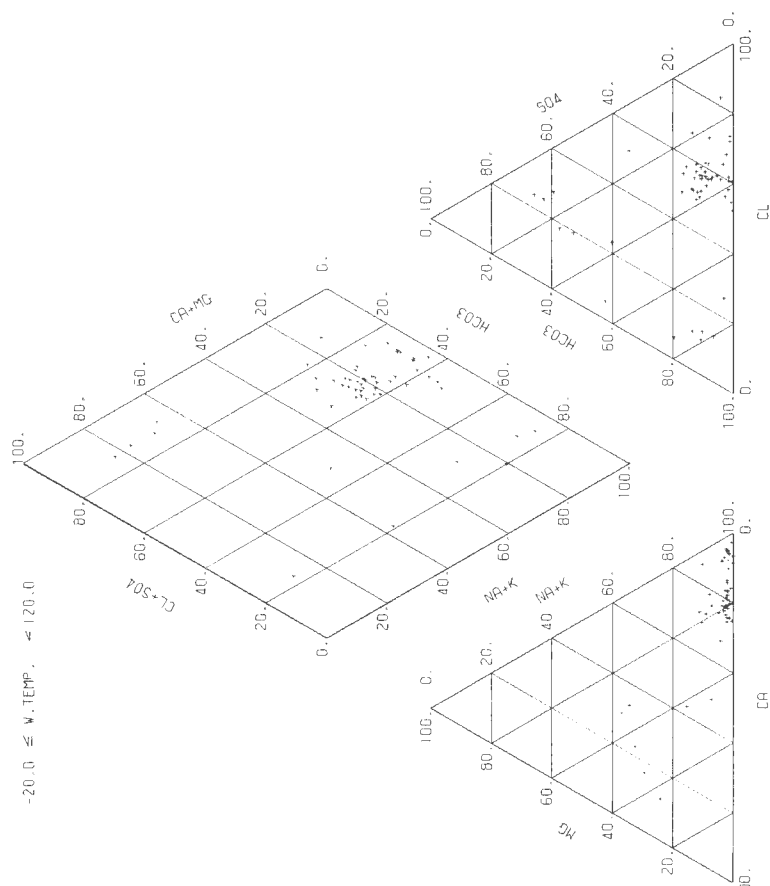


第5-6図 十勝川上流域水質組成図 (その6) (全試料)

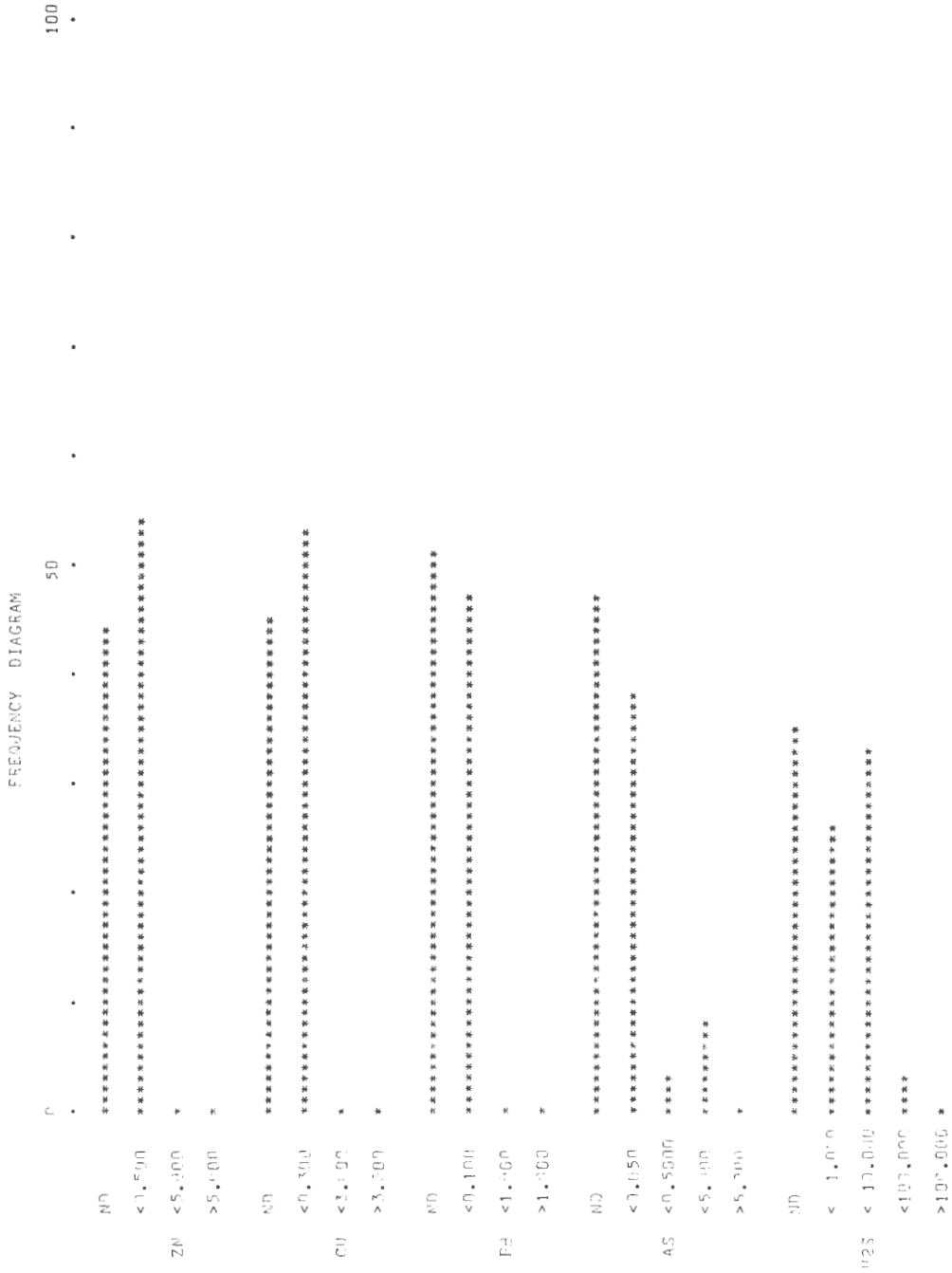
TOKACHI UPSTREAM

AREA CODE TKC

-20.0 ≤ W. TEMP. < 120.0



第5-7図 十勝川上流地域特定成分含量の頻度分布図



6. 下北 Shimokita

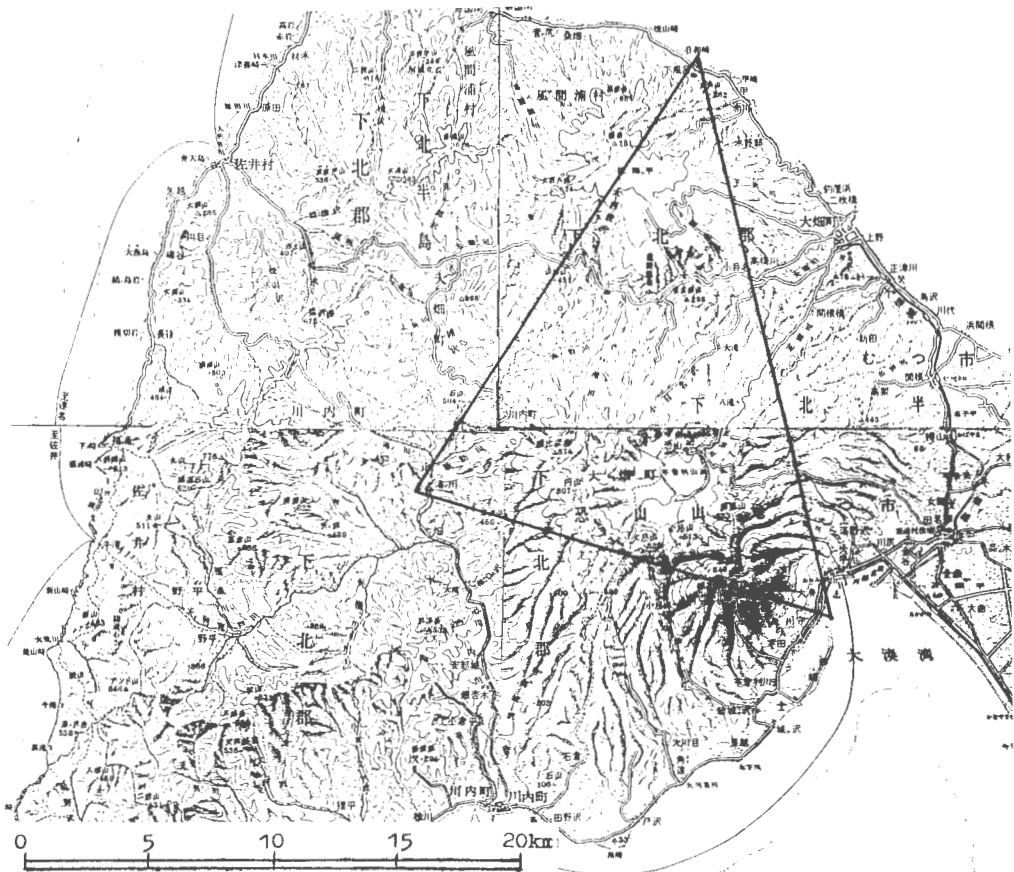
位置 青森県むつ市，下北郡大畑町，同郡川内町，同郡風間浦村

データ数 16

収集・整理 阿部智彦

協力 青森県衛生研究所

調査位置図（20万分の1地勢図 灰屋崎，野辺地，函館，青森）



第6-1表 下北地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|--------|-------------------------|---------|--------|--------------|-------|-----------|-----------------|
| SMC-1 | 青森県下北郡風間浦村下風呂字湯ノ上1番地 | 下風呂温泉 | 下風呂温泉 | 1964. 3. 5 | 3 | | Q = 18.0 l/m |
| " - 2 | " " 大畑町正津川字大谷山 | おやま温泉 | おやま温泉 | 1962. 10. 25 | " | | |
| " - 3 | " " " 国有林61林班ハ | 奥薬研温泉 | 湯の股 | 1965. 4. 23 | " | | Q = 36.0 l/m, P |
| " - 4 | " " " 赤滝山国有林58林班 | 湯野川温泉 | 高倉 | 1969. 11. 21 | " | | Q = 67 l/m |
| " - 5 | " " " 川内町川内字湯野川山 | 薬研温泉 | うぐい滝 | 1963. 9. 16 | " | | Q = 13.5 l/m |
| " - 6 | " " " 大畑町大畑朝日奈岳国有林48林班ヨ | " | 薬師の湯 | " 9. 16 | " | | Q = 90 l/m |
| " - 7 | " " " " 49林班イ | " | " | 1964. 12. 23 | " | | Q = 180 l/m |
| " - 8 | " " " " 字薬研4 | 奥薬研温泉 | 湯の股 | 1963. 6. 6 | " | | Q = 10 l/m, F |
| " - 9 | " " " 赤滝山国有林58林班 | 薬研温泉 | 大滝 | 1961. 8. 29 | " | | Q = 35.0 l/m |
| " - 10 | " " " " " " | ニュー薬研温泉 | " | 1971. 10. 6 | " | | Q = 200 l/m |
| " - 11 | " " " 大畑朝日奈岳国有林49林班ニ | おやま温泉 | 恐山湯坂第1 | 1968. 9. 10 | " | | Q = 265 l/m |
| " - 12 | " " " 正津川字大谷山 | " | " | 1966. 10. 28 | " | | Q = 1800 l/m |
| " - 13 | " " " 国有林61林班ロ | " | 恐山湯坂 | 1967. 5. 8 | " | | Q = 30 l/m |
| " - 14 | " " " 志津字大蒸山国有林61林班ホ | " | " | " | | | Q = 500 l/m |
| " - 15 | " " " 正津川字大谷山 | " | 恐山大尽山 | 1968. 9. 10 | " | | Q = 265 l/m |
| " - 16 | " " " 字大尽山国有林61林班ロ | 恐山温泉 | 恐山湯坂第1 | 1972. 7. 26 | " | | Q = 200 l/m |
| " - 16 | " " " 市城ヶ沢字梅の木11の18 | 恐山温泉 | " | " | | | |

備考欄のQは湧(揚)水量 (l/m), Pはポンプ揚水, Fは自噴を示す。

第 6-2 表 下北地賦水質一覽表

| | SMC 1 | SMC 2 | SMC 3 | SMC 4 |
|----------------------------------|----------|----------|---------|----------|
| NO | 59.5 | 48.0 | 72.0 | 46.7 |
| TEMP | 3446.940 | 1362.560 | 581.330 | 1843.180 |
| TSM | 7.20 | 6.00 | 7.80 | 6.70 |
| PH(FD) | 7.60 | 6.01 | 8.38 | 7.60 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 95.000 | 23.500 | 2.500 | 15.500 |
| NA | 857.400 | 202.900 | 94.000 | 402.550 |
| NH4 | 2.200 | | | 1.600 |
| CA | 191.610 | 55.300 | 37.810 | 152.304 |
| MG | 12.410 | 67.100 | 12.750 | 11.187 |
| FE | 0.100 | 10.060 | 0.360 | 1.135 |
| MN | 6.300 | 5.070 | | 0.175 |
| ZN | 45.400 | | | 0.085 |
| CU | | | | 0.003 |
| PB | | | | 0.002 |
| AL | | 5.150 | | 0.015 |
| CL | 1560.240 | 462.350 | 51.771 | 114.858 |
| BR | | | | 0.887 |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 291.750 | 125.710 | 235.378 | 1061.880 |
| S2O3 | 1.130 | | | 0.115 |
| HCO3 | 134.240 | 150.170 | 42.710 | 73.220 |
| CO3 | | | 0.960 | |
| STO2 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 58.490 | 39.950 | 46.717 | 28.618 |
| H3PO4 | 191.740 | 23.060 | 42.479 | 12.500 |
| HAS02 | 0.647 | 0.061 | | 0.010 |
| CO2 | 0.016 | 3.270 | 0.103 | 0.262 |
| H2S | 30.800 | 65.860 | 1.496 | 0.440 |
| | 0.440 | 111.734 | 3.279 | 1.270 |
| RN (**E-10 CURIE/L) | | | | |
| NA/K | 15.309 | 14.683 | 63.941 | 44.165 |
| CA/(HCO3+CO3) | 4.346 | 1.121 | 2.577 | 6.333 |
| MG/CA | 0.107 | 2.001 | 0.556 | 0.121 |
| NA/CA | 3.901 | 3.198 | 2.167 | 2.304 |
| CL/(HCO3+CO3) | 20.035 | 5.299 | 1.995 | 2.700 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+C03) | 64.176 | 71.975 | 20.590 | 12.205 |
| S04*100/(CL+S04+HCO3+C03) | 11.617 | 14.443 | 69.090 | 83.975 |
| (HCO3+CO3)*100/(CL+S04+HCO3+C03) | 4.208 | 13.582 | 10.320 | 4.520 |
| (NA+K)*100/(NA+K+CA+MG) | 75.956 | 53.236 | 58.584 | 67.759 |
| CA*100/(NA+K+CA+MG) | 19.034 | 15.583 | 26.615 | 28.757 |
| MG*100/(NA+K+CA+MG) | 2.030 | 31.181 | 14.801 | 3.483 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 95.792 | 86.418 | 89.680 | 95.480 |
| (HCO3+CO3)*100/(CL+S04+HCO3+C03) | 4.218 | 13.582 | 10.320 | 4.520 |
| (NA+K)*100/(NA+K+CA+MG) | 75.956 | 53.236 | 58.584 | 67.759 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.034 | 46.764 | 41.416 | 32.241 |

第6-2表 下北地域水質一覽表 (つづき)

| | SMC 5 | SMC 6 | SMC 7 | SMC 8 |
|----------------------------------|---------|---------|---------|---------|
| INO | 51.0 | 49.5 | 46.5 | 67.0 |
| TEMP | 657.720 | 553.790 | 623.930 | 463.924 |
| TSM | 6.40 | 6.30 | 7.90 | 6.50 |
| PH(FD) | 7.65 | 7.50 | 7.91 | 8.42 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 3.000 | 2.500 | 0.064 | 2.800 |
| NA | 81.480 | 54.730 | 2.381 | 52.000 |
| NH4 | | | 0.160 | 0.262 |
| CA | 19.500 | 50.000 | 2.495 | 45.500 |
| MG | 15.800 | 14.200 | 1.169 | 15.000 |
| FE | 0.010 | 0.020 | 0.001 | 1.234 |
| MN | | | 0.210 | |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 10.250 | 15.000 | 1.668 | 0.450 |
| CL | 65.240 | 54.610 | 1.541 | 50.410 |
| BR | | | | 1.422 |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 339.860 | 295.540 | 6.153 | 146.500 |
| S203 | | | | |
| HC03 | 6.710 | 4.880 | 0.080 | 85.420 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| H802 | 58.190 | 40.996 | 0.683 | 43.904 |
| H3P04 | | | | 0.731 |
| HAS02 | 0.184 | 0.184 | 0.002 | 8.800 |
| C02 | 0.050 | 0.040 | 0.000 | 0.235 |
| H2S | | 8.800 | 0.200 | 0.024 |
| RN (*E-10 CURTE/L) | | | | |
| NA/K | 46.187 | 37.228 | 14.880 | 31.582 |
| CA/(HC03+C03) | 26.997 | 31.194 | 6.062 | 1.622 |
| MG/CA | 0.438 | 0.468 | 0.122 | 0.544 |
| NA/CA | 1.194 | 0.954 | 1.046 | 0.996 |
| CL/(HC03+C03) | 16.735 | 19.261 | 2.534 | 1.016 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 20.390 | 19.818 | 18.650 | 24.217 |
| S04*100/(CL+S04+HC03+C03) | 78.392 | 79.154 | 73.990 | 51.942 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.218 | 1.029 | 7.361 | 23.842 |
| (NA+K)*100/(NA+K+CA+MG) | 45.893 | 40.023 | 49.880 | 39.970 |
| CA*100/(NA+K+CA+MG) | 37.629 | 40.847 | 44.663 | 38.888 |
| MG*100/(NA+K+CA+MG) | 16.478 | 19.130 | 5.457 | 21.142 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.782 | 98.971 | 92.639 | 76.158 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.218 | 1.029 | 7.361 | 23.842 |
| (NA+K)*100/(NA+K+CA+MG) | 45.893 | 40.023 | 49.880 | 39.970 |
| (CA+MG)*100/(NA+K+CA+MG) | 54.107 | 59.977 | 50.120 | 60.030 |

第 6-2 表 下北地域水質一覽表 (つづき)

| | SMC 9 | SMC 10 | SMC 11 | SMC 12 |
|----------------------------------|---------|---------|----------|----------|
| NO | | | | |
| TEMP | 47.5 | 57.0 | 35.0 | 36.0 |
| TSM | 295.020 | 807.286 | - | 1697.340 |
| PH(FD) | 6.80 | 7.40 | 5.40 | 5.42 |
| PH(LB) | 7.40 | 8.00 | - | 5.60 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.380 | 0.061 | - | 10.050 |
| NA | 34.200 | 2.400 | - | 51.000 |
| NH4 | - | 99.000 | - | 6.000 |
| CA | 76.000 | 1.796 | 36.800 | 31.740 |
| MG | 4.000 | 106.800 | - | 18.896 |
| FE | - | 9.720 | - | 0.560 |
| MN | 1.100 | 0.145 | 0.715 | 0.800 |
| ZN | - | 0.040 | - | 0.015 |
| CU | - | 0.019 | - | 0.044 |
| PR | - | - | - | 0.005 |
| AL | - | 0.042 | 0.112 | 1.200 |
| CL | 44.300 | 1.250 | 0.112 | 1.200 |
| BR | - | 58.860 | 129.074 | 79.430 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 0.170 | - | - |
| S04 | 104.930 | 361.710 | 123.656 | 114.800 |
| S203 | - | - | - | 3.150 |
| HC03 | - | 80.440 | 152.545 | 85.400 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 34.142 | 63.913 | - | 26.163 |
| HR02 | - | 3.760 | - | 24.808 |
| H3P04 | 8.199 | - | - | 0.627 |
| HAS02 | 0.014 | 1.151 | - | 2.472 |
| CO2 | 8.800 | 0.200 | 1188.270 | 994.000 |
| H2S | - | 0.200 | 297.365 | 238.570 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 24.334 | 70.148 | - | 8.630 |
| CA/(HC03+CO3) | 15.931 | 4.042 | 0.734 | 1.132 |
| MG/CA | 0.183 | 0.150 | - | 0.982 |
| NA/CA | 0.828 | 0.808 | - | 1.401 |
| CL/(HC03+CO3) | 11.083 | 1.259 | 1.456 | 1.601 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 35.232 | 15.799 | 41.776 | 37.156 |
| S04*100/(CL+S04+HC03+CO3) | 61.589 | 71.656 | 29.538 | 39.634 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.179 | 12.545 | 28.686 | 23.210 |
| (NA+K)*100/(NA+K+CA+MG) | 42.152 | 41.611 | - | 44.094 |
| CA*100/(NA+K+CA+MG) | 48.890 | 50.770 | - | 28.210 |
| MG*100/(NA+K+CA+MG) | 8.958 | 7.620 | - | 27.696 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 96.821 | 87.455 | 71.314 | 76.790 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.179 | 12.545 | 28.686 | 23.210 |
| (NA+K)*100/(NA+K+CA+MG) | 42.152 | 41.611 | - | 44.094 |
| (CA+MG)*100/(NA+K+CA+MG) | 57.848 | 58.389 | - | 55.906 |

第6-2表 下北地域水質一覧表 (つづき)

| | SMC 13 | SMC 14 | SMC 15 | SMC 16 |
|----------------------------------|----------|----------|----------|----------|
| NO | 99.0 | 99.0 | 35.0 | 42.5 |
| TEMP | 52.4 | 4273.867 | 2092.367 | 5270.896 |
| TSM | 7.60 | 8.10 | 5.40 | 7.80 |
| PH(FD) | 6.73 | 7.80 | 5.58 | 8.25 |
| PH(LE) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.0 | 180.000 | 14.500 | 0.371 |
| NA | 1345.250 | 4.860 | 86.300 | 2.110 |
| NH4 | 1.600 | 1112.050 | 0.771 | 1545.000 |
| CA | 220.440 | 48.374 | 0.340 | 0.019 |
| MG | 26.266 | 152.000 | 36.800 | 215.600 |
| FE | 2.000 | 7.585 | 17.010 | 10.758 |
| MN | 0.650 | 4.799 | 1.400 | 4.579 |
| ZN | 0.063 | 58.320 | 0.215 | 55.647 |
| CU | 0.025 | 0.400 | 0.026 | 0.020 |
| PB | 0.229 | 0.070 | 0.027 | 0.560 |
| AL | 0.229 | 0.002 | 0.013 | 1.744 |
| CL | 2346.390 | 0.016 | 0.112 | 0.010 |
| BR | | 0.002 | 0.012 | 0.113 |
| I | | 2043.334 | 114.639 | 2614.100 |
| F | | 57.642 | 3.234 | 73.744 |
| OH | | 0.049 | - | - |
| SO4 | 163.450 | 0.004 | - | - |
| SO3 | 457.262 | - | - | - |
| HCO3 | | 129.211 | 106.359 | 426.972 |
| CO3 | | 305.090 | 2.214 | 8.890 |
| SI02 (MG/KG) (MMOL/KG) | | 5.000 | 2.000 | 2.100 |
| HR02 | 76.127 | - | - | - |
| H3PO4 | 58.783 | 3.913 | 51.005 | 145.801 |
| H4SiO2 | | 170.088 | 39.687 | 10.346 |
| CO2 | | 0.251 | 0.752 | 0.270 |
| H2S | 174.844 | - | 1188.270 | 0.028 |
| | 115.879 | 17.893 | 297.365 | 26.997 |
| RN (*E-10 CURIE/L) | | 0.525 | 8.728 | - |
| NA/K | 12.040 | 10.506 | 10.121 | 31.847 |
| CA/(HCO3+CO3) | 1.468 | 1.517 | 0.918 | 5.123 |
| MG/CA | 0.196 | 0.633 | 0.762 | 0.426 |
| NA/CA | 5.320 | 6.378 | 2.044 | 6.247 |
| CL/(HCO3+CO3) | 5.832 | 11.528 | 1.617 | 35.113 |
| CL/F | | | | |
| CL*100/(CL+SO4+HCO3+CO3) | 36.330 | 88.229 | 43.418 | 87.030 |
| SO4*100/(CL+SO4+HCO3+CO3) | 3.895 | 4.118 | 29.729 | 10.491 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 9.775 | 7.654 | 26.853 | 2.479 |
| (NA+K)*100/(NA+K+CA+MG) | 92.805 | 81.053 | 56.038 | 81.882 |
| CA*100/(NA+K+CA+MG) | 14.372 | 11.604 | 24.946 | 12.708 |
| MG*100/(NA+K+CA+MG) | 2.824 | 7.342 | 19.016 | 5.409 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 90.225 | 92.346 | 73.147 | 97.521 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 9.775 | 7.654 | 26.853 | 2.479 |
| (NA+K)*100/(NA+K+CA+MG) | 92.805 | 81.053 | 56.038 | 81.882 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.195 | 18.947 | 43.962 | 18.118 |

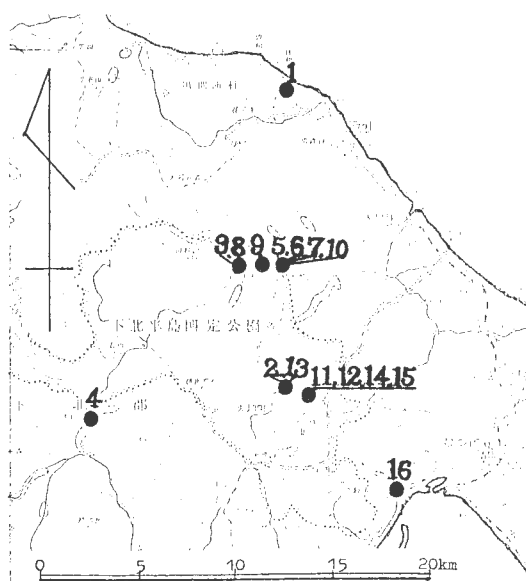
第6-3表 下北地域特定成分含量の頻度分布表

FREQUENCY DATA OF Zn, CU, Pb, AS AND H2S

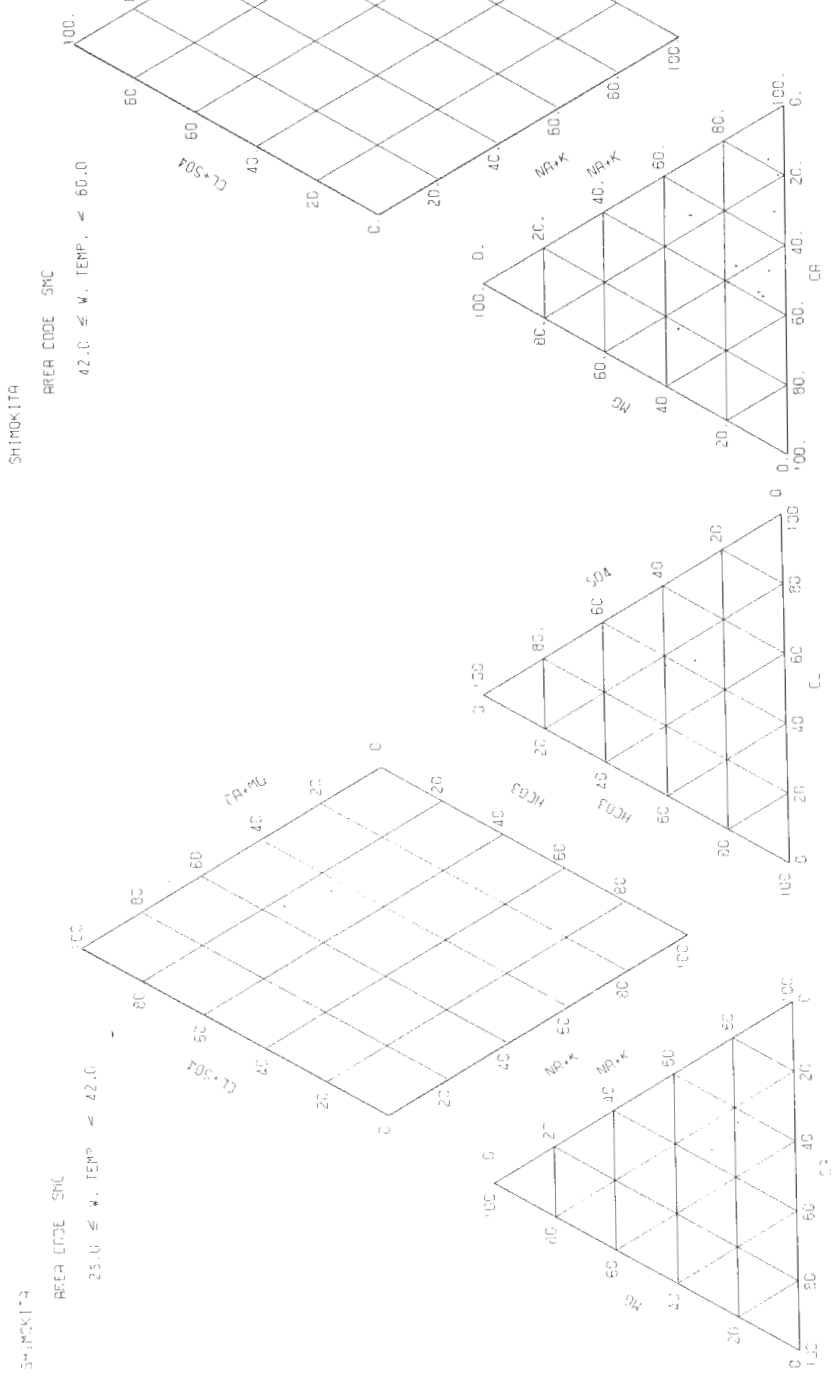
| Zn | N | F(%) | CU | N | F(%) |
|-----------|---|-------|--------|----|-------|
| ND | 14 | 87.5 | ND | 10 | 62.5 |
| <0.500 | 1 | 6.3 | <0.300 | 6 | 37.5 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 1 | 6.3 | >3.000 | 0 | 0. |
| TOTAL | 16 | 100.0 | TOTAL | 16 | 100.0 |
| Pb | N | F(%) | AS | N | F(%) |
| ND | 15 | 93.8 | ND | 4 | 25.0 |
| <0.100 | 1 | 6.3 | <0.050 | 7 | 43.8 |
| <1.000 | 0 | 0. | <0.500 | 2 | 12.5 |
| >1.000 | 0 | 0. | <5.000 | 3 | 18.8 |
| TOTAL | 16 | 100.0 | >5.000 | 0 | 0. |
| H2S | N <th>F(%)</th> <th>TOTAL</th> <th>N</th> <th>F(%)</th> | F(%) | TOTAL | N | F(%) |
| ND | 8 | 50.0 | TOTAL | 16 | 100.0 |
| < 1.000 | 1 | 6.3 | | | |
| < 10.000 | 1 | 6.3 | | | |
| < 100.000 | 1 | 6.3 | | | |
| > 100.000 | 5 | 31.3 | | | |
| TOTAL | 16 | 100.0 | | | |

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

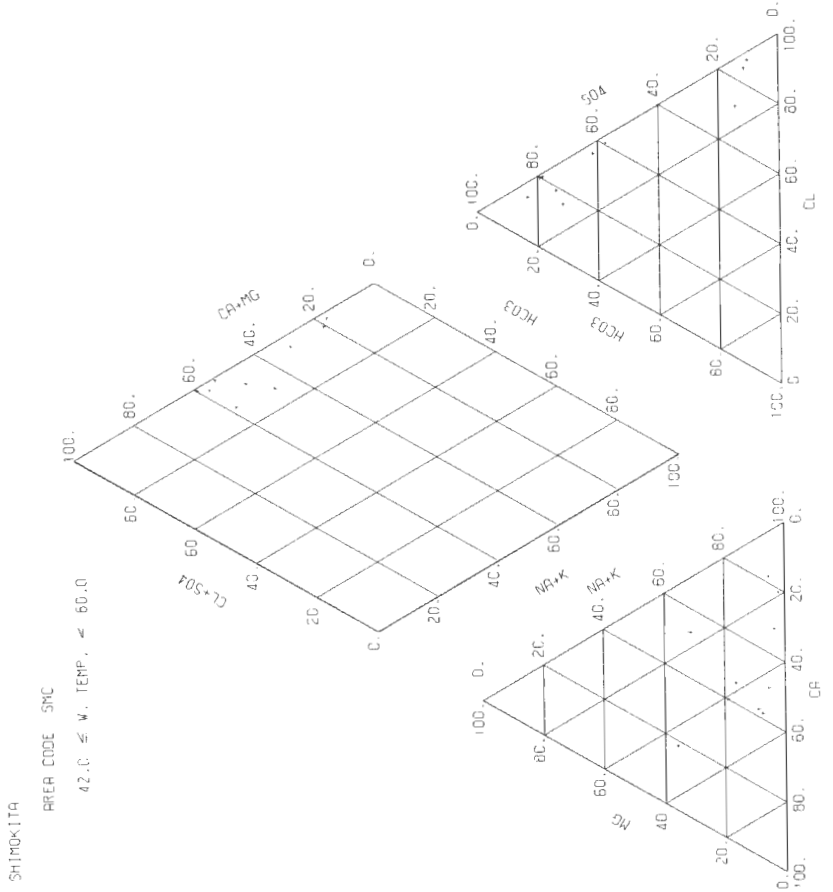
第6-1図 下北地域における試料採取地



第 6-2 図 下北地域水質組成図 (その 1) (水温 25℃以上 42℃未滿)



第 6-2 図 下北地域水質組成図 (その 2) (水温 42℃以上 60℃未滿)

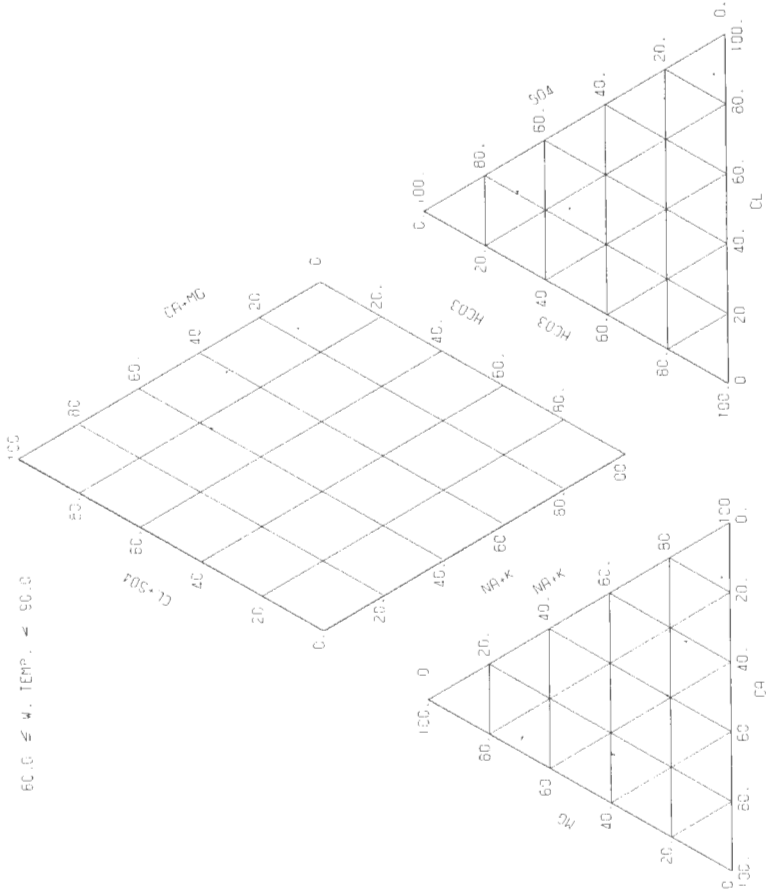


第 6-2 図 下北地域水質組成図 (その 3) (水温 60℃以上 90℃未満)

SHIMOKITA

AREA CODE SMC

60.0 ≦ W. TEMP. < 90.0

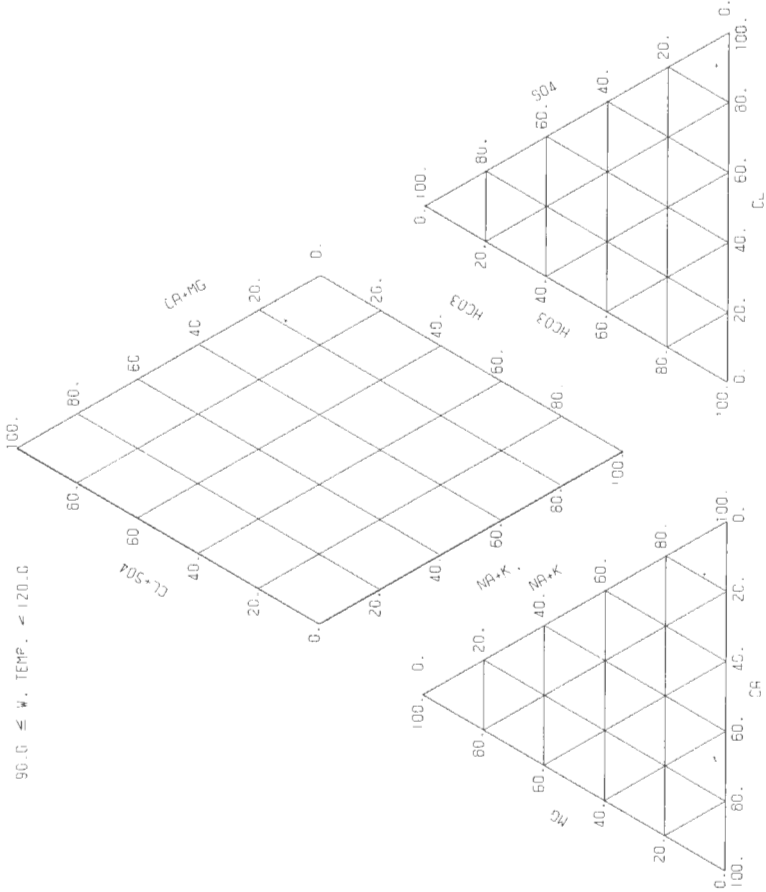


第 6-2 図 下北地域水質組成図 (その 4) (水温 90℃以上 120℃未満)

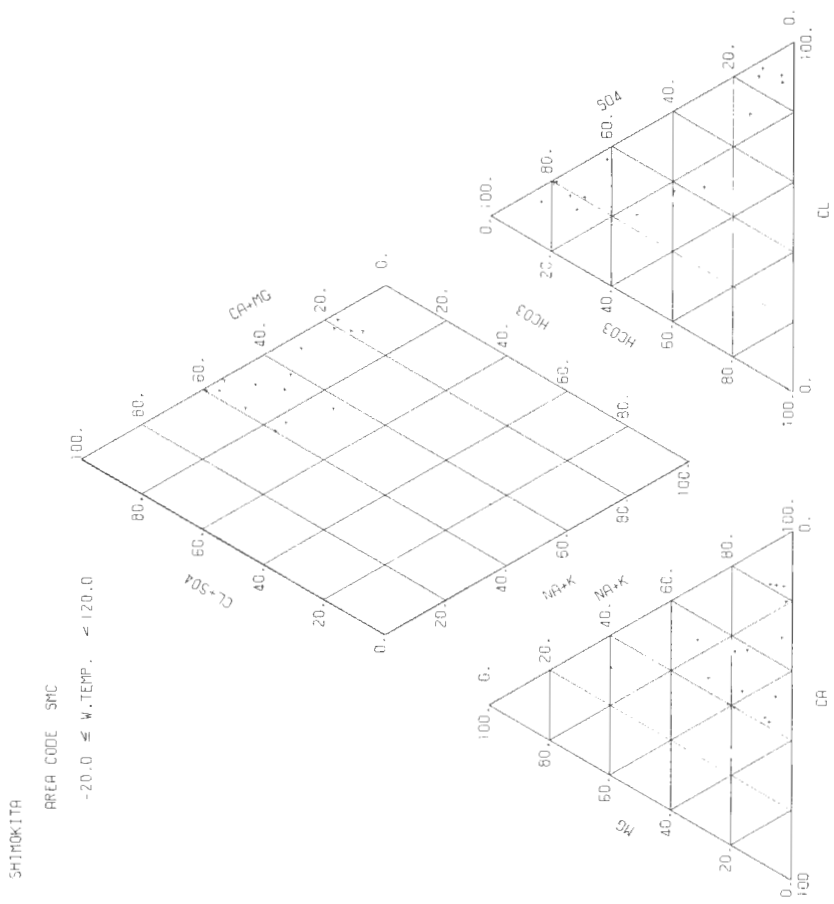
SHIMOKITA

AREA CODE SMC

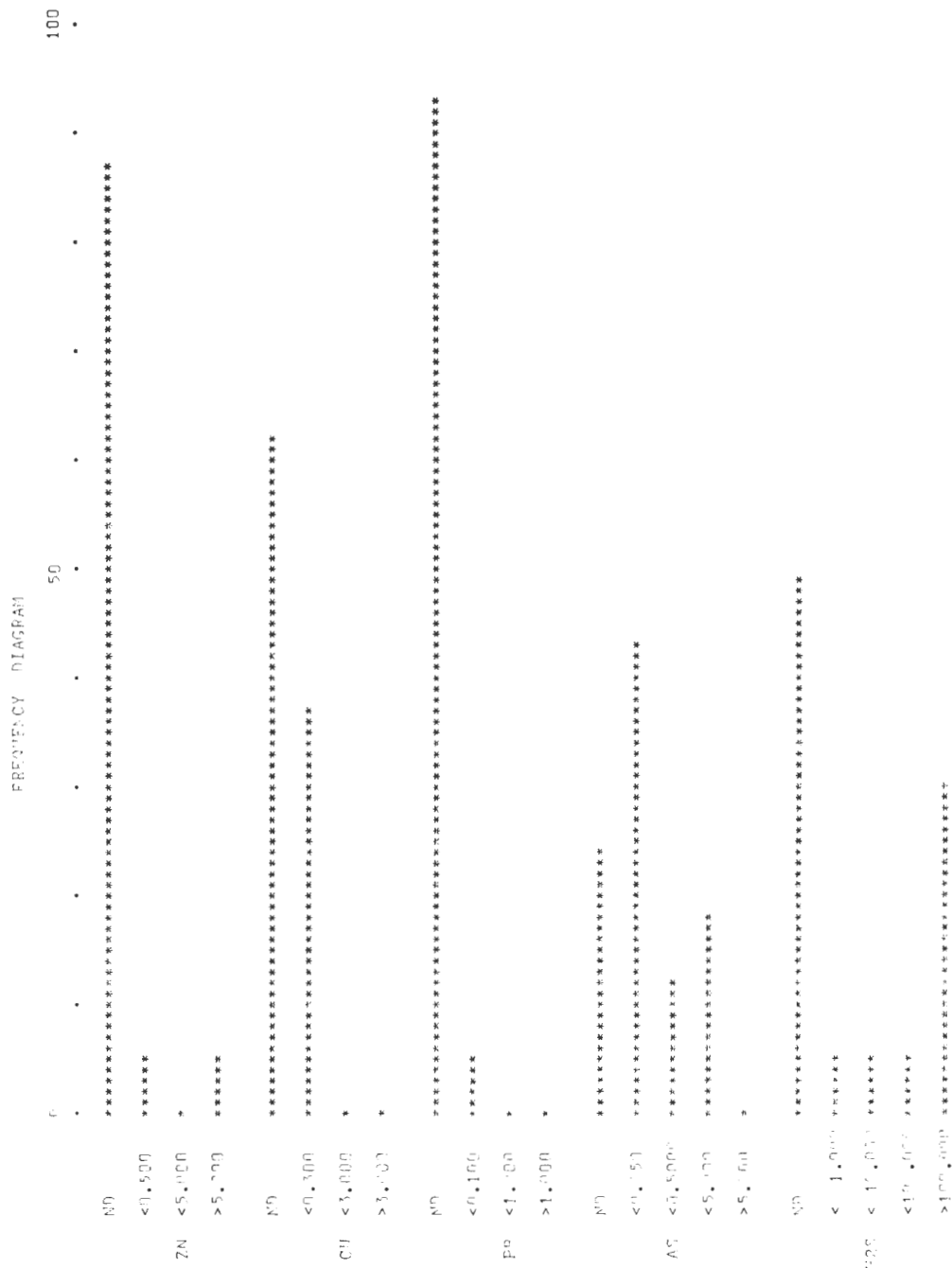
90.0 ≦ W. TEMP. < 120.0



第6-2図 下北地域水質組成図(その5)(全試料)



第 6-3 図 下北地域特定成分含量の頻度分布図

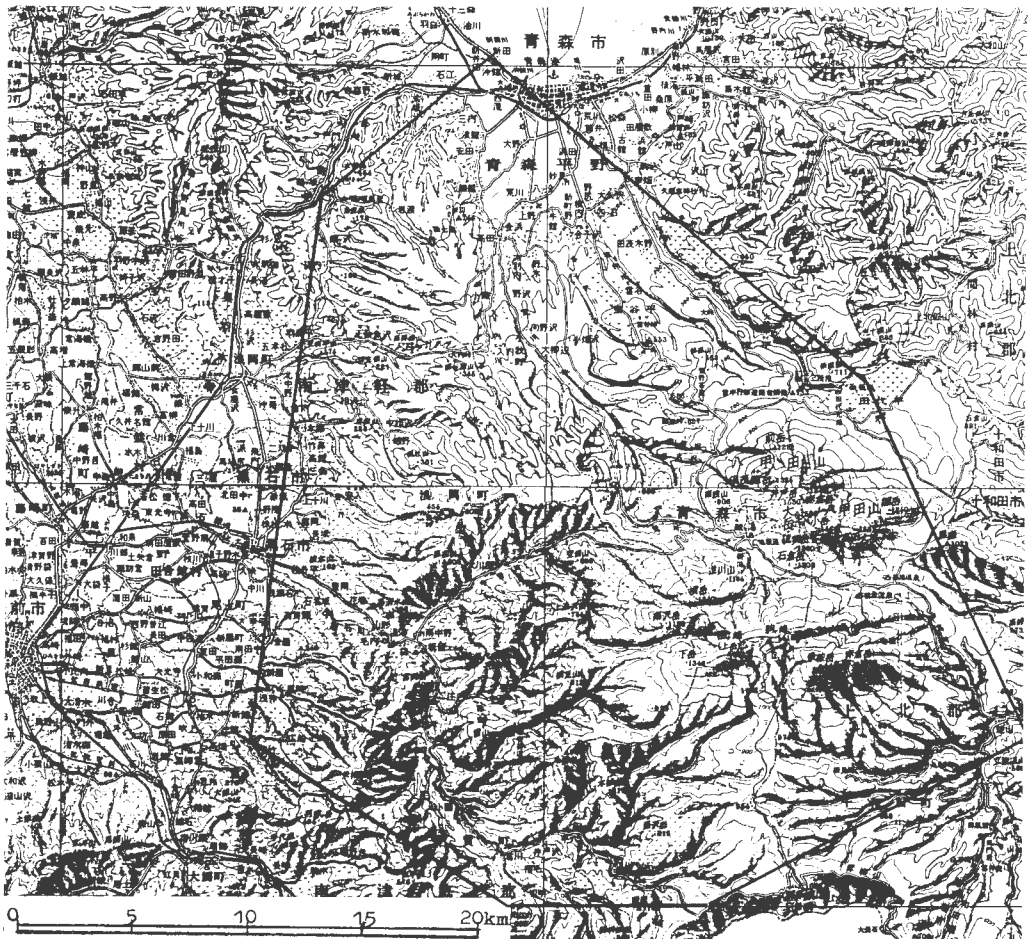


7. 八甲田

Hakkoda

| | |
|-------------|-----------------------------|
| 位置 | 青森県青森市，黒石市，上北郡十和田湖町，南津軽郡平賀町 |
| データ数 | 47 |
| 収集・整理 協力 | 阿部智彦・比留川 貴 青森県衛生研究所 |

調査位置図（20万分の1地勢図 青森，弘前）



第7-1表 八甲田地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|---------------|------|-----------------|----------|-------------|-------|--------------------|----|
| HKC-1 | 青森県青森市駒込字深沢20 | 田代元湯 | 龍ノ湯 | 龍ノ湯 | 1962.10.29 | 3 | D=0m, Q=90l/m, F | |
| " | " | 酸カ湯 | 王ノ湯 | 王ノ湯 | 1964. 7. 8 | " | D=0m, Q=5.0l/m, F | |
| " | " | " | またぎの湯 | またぎの湯 | " 7. 8 | " | D=0m, Q=5.0l/m, F | |
| " | " | " | 横倉1番の内 | 市職員保養所 | 1967. 6. 27 | " | Q=80l/m, F | |
| " | " | " | 荒川字南荒川山 | 新湯 | 1970. 8. 27 | " | Q=600l/m, F | |
| " | " | " | 国有林253 林班54小班 | 渡鳥 | " 8. 27 | " | Q=80l/m, F | |
| " | " | " | " | " | 1973.10.11 | " | Q=500l/m, F | |
| " | " | " | " | 倉湯 | 1965.10.23 | " | Q=90l/m | |
| " | " | " | 字南荒川山国有林青森事業区 | ふかし湯 | 1961. 2.10 | " | Q=48l/m, F | |
| " | " | " | 53林班の(と) | 渡鳥 | " 2.10 | " | Q=180l/m, F | |
| " | " | " | 53林班 | 新湯(まみの湯) | 1963.11. 8 | " | Q=600l/m, F, X | |
| " | " | " | 小字酸カ湯沢50 | " | " 10. 8 | " | Q=360l/m, F | |
| " | " | " | 駒込字保沢766の2 | 八甲田 | 1968. 6. 7 | " | Q=250l/m, F | |
| " | " | " | 沖館字篠田199 | 館 | 1966. 5. 6 | " | Q=135l/m, F | |
| " | " | " | " | 花の湯 | 1966. 2.23 | " | Q=108l/m | |
| " | " | " | 字千刈186の2 | 川 | 1968. 6.14 | " | Q=44.7l/m, F | |
| " | " | " | 南津軽郡平賀町葛川字家岸8の2 | 葛川 | 1967. 7.17 | " | X | |
| " | " | " | " | " | 1968. 6.11 | " | Q=30l/m | |
| " | " | " | " | " | 1969. 5. 7 | " | Q=40l/m, F | |
| " | " | " | 切明字蒼田邸 | 六明 | 1963.11. 6 | " | D=0m, Q=16.7l/m, F | |
| " | " | " | 葛川字平六村下29 | 浦 | 1971.12.13 | " | D=0m, Q=362l/m, F | |
| " | " | " | 切明字坂本142 | 明 | 1969. 7.15 | " | Q=87.5l/m | |
| " | " | " | 黒石市沖浦字山下76 | 浦 | 1971.10.13 | " | Q=72l/m | |
| " | " | " | " | 明 | 1966. 5.19 | " | Q=60l/m, F | |
| " | " | " | 南津軽郡平賀町切明字上井戸87 | 井戸沢温泉 | 1966. 7.14 | " | Q=360l/m, F | |
| " | " | " | " | 竹1号 | 1971.12.23 | " | Q=240l/m, F | |
| " | " | " | " | 竹2号 | 1970. 3.30 | " | Q=1134l/m, F | |
| " | " | " | " | 竹3号 | 1964. 8.17 | " | Q=6265l/m | |
| " | " | " | 切明字津根川森 | 川1号 | " | " | " | |
| " | " | " | 国有林71林班 | " | 1965.12. 6 | " | Q=122l/m | |
| " | " | " | " | " | 1973. 4.13 | " | Q=160l/m | |
| " | " | " | " | " | 1962.10.22 | " | Q=36l/m | |
| " | " | " | " | 温川山荘 | 1971. 3.16 | " | Q=3l/m | |
| " | " | " | " | " | 1968.12.24 | " | Q=126l/m | |
| " | " | " | 小国字川辺97の3 | 国竹 | 1971.12.23 | " | Q=150l/m, F | |
| " | " | " | 唐竹字川原田88の5 | 阿蘇 | 1967. 4.17 | " | Q=40l/m, P, X | |
| " | " | " | 唐竹字川原田88の3 | 坊 | " | " | " | |
| " | " | " | 大坊字宮田80の3 | " | " | " | " | |

| No. | 産地 | 温泉水名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|--------------------|------|-------------------|------------|-------|---------------|-------------------------|
| HKC-36 | 青森県上北郡十和田湖町法量字焼山64 | 焼山 | 十和田湖 | 1964. 3.16 | 3 | | Q = 1000 l/m |
| " | " | " | 夏間 | 1967.11.14 | " | | Q = 17.4 l/m, F |
| " | " | " | 1号 | 1968. 9.13 | " | | D = 0m, Q = 36 l/m, F |
| " | " | " | 2号 | " 9.13 | " | | D = 0m, Q = 20 l/m, F |
| " | " | " | 国立公園特別地域谷地 国有林 | 1960.11.10 | " | | Q = 9 l/m, X |
| " | " | " | 奥瀬字猿倉1 | 1961. 8.28 | " | | Q = 9 l/m, F |
| " | " | " | " | " 8.28 | " | | Q = 27 l/m, F |
| " | " | " | " | " 8.28 | " | | Q = 27 l/m, F |
| " | " | " | " | " 8.28 | " | | Q = 18 l/m, F |
| " | " | " | 高 | 1965. 7.28 | " | | D = 0m, Q = 170 l/m, F |
| " | " | " | " | " 7.28 | " | | D = 0m, Q = 53.1 l/m, F |
| " | " | " | 家族風呂 | " 7.28 | " | | D = 0m, Q = 7.9 l/m, F |

備考のDは深度 (m), Qは湧(揚)水量 (l/m), Fは自噴, Pはポンプ揚水, D=0m……Fは源泉位置不明を示す。

第7-2表 八甲田地賦水質一覽表

| | H/C 1 | H/C 2 | H/C 3 | H/C 4 |
|----------------------------------|----------|----------|----------|---------|
| NO | 55.0 | 34.0 | 50.5 | 73.0 |
| TEMP | 1613.500 | 1588.500 | 1588.000 | 674.389 |
| TSM | 7.21 | 2.50 | 6.40 | 7.40 |
| PH(FD) | 8.43 | 2.29 | 7.59 | 7.50 |
| PH(LR) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 19.100 | 3.200 | 9.001 | 0.001 |
| NA | 282.000 | 35.500 | 57.200 | 7.600 |
| NH4 | 0.580 | 132.200 | 74.000 | 155.000 |
| CA | 81.050 | 0.032 | — | 0.010 |
| MG | 17.000 | 4.045 | 149.250 | 25.657 |
| FE | 1.700 | 1.399 | 44.760 | 2.310 |
| MN | 0.001 | 0.061 | 0.700 | 0.650 |
| ZN | — | 7.740 | — | 0.050 |
| CU | — | 20.000 | TR. | — |
| PR | — | 1.000 | 0.014 | 0.000 |
| AL | — | 96.300 | 52.800 | 0.100 |
| CL | 197.650 | 408.350 | 198.570 | 170.208 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 537.630 | 11.198 | 466.430 | 108.636 |
| S203 | — | — | — | — |
| HCO3 | 194.310 | 3.135 | 390.510 | 83.399 |
| CO3 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 82.277 | 1.370 | 98.994 | 101.834 |
| HE02 | 12.000 | 0.274 | 21.260 | 35.435 |
| H3PO4 | — | — | 0.250 | 0.376 |
| HAS02 | 0.051 | 0.061 | 0.027 | 0.411 |
| CO2 | 253.370 | 5.757 | 17.600 | 16.040 |
| H2S | — | — | — | — |
| RN (*Γ=10 CURIE/L) | — | — | — | — |
| NA/K | 95.102 | 6.333 | 2.200 | 34.682 |
| CA/(HCO3+CO3) | 1.270 | — | 1.164 | 0.937 |
| MG/CA | 0.346 | 0.383 | 0.495 | 0.148 |
| NA/CA | 3.033 | 0.840 | 0.432 | 5.266 |
| CL/(HCO3+CO3) | 1.131 | — | 0.875 | 3.513 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | 99.025 | — | 25.798 | 56.956 |
| S04*100/(CL+S04+HCO3+CO3) | 62.266 | — | 44.724 | 26.829 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 17.709 | — | 29.477 | 16.214 |
| (NA+K)*100/(NA+K+CA+MG) | 70.088 | 41.301 | 29.610 | 82.511 |
| CA*100/(NA+K+CA+MG) | 22.225 | 43.448 | 47.098 | 15.228 |
| MG*100/(NA+K+CA+MG) | 7.687 | 16.251 | 23.293 | 2.261 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 52.291 | — | 70.523 | 83.786 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 17.709 | — | 29.477 | 16.214 |
| (NA+K)*100/(NA+K+CA+MG) | 70.088 | 41.301 | 29.610 | 82.511 |
| (CA+MG)*100/(NA+K+CA+MG) | 29.512 | 56.699 | 70.390 | 17.489 |

第7-2表 八甲田地域水質一覧表(つづき)

| NO | H/C | H/C | H/C | H/C | H/C | H/C | H/C |
|----------------------------------|----------|----------|----------|----------|----------|---------|---------|
| TEMP | 66.6 | 73.0 | 82.0 | 82.0 | 43.0 | 43.0 | 43.0 |
| TSM | 4340.251 | 4320.500 | 5404.350 | 5404.350 | 301.220 | 301.220 | 301.220 |
| PH(FD) | 1.80 | 1.60 | 1.50 | 1.50 | 6.50 | 6.50 | 6.50 |
| PH(LR) | 1.80 | 1.80 | 1.60 | 1.60 | 7.82 | 7.82 | 7.82 |
| H (MG/KG)(MVAL/KG) | 15.873 | 15.873 | 15.873 | 15.873 | 25.001 | 25.001 | 25.001 |
| K | 45.000 | 11.480 | 0.292 | 0.292 | 10.946 | 0.281 | 0.458 |
| NA | 135.000 | 58.000 | 2.523 | 2.523 | 74.510 | 3.241 | 1.761 |
| NH4 | 0.800 | 0.064 | 0.028 | 0.028 | 0.100 | 0.006 | 0.180 |
| CA | 270.500 | 13.493 | 13.991 | 13.991 | 320.000 | 15.963 | 0.600 |
| MG | 227.392 | 13.712 | 19.414 | 19.414 | 150.550 | 12.389 | 0.054 |
| FE | 73.790 | 4.349 | 0.530 | 0.530 | 165.000 | 5.969 | 0.046 |
| MN | 6.700 | 0.244 | 0.204 | 0.204 | 5.750 | 0.209 | 0.000 |
| ZN | 0.911 | 0.000 | 0.001 | 0.001 | 3.000 | 0.094 | 0.000 |
| CU | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| PR | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| AL | 230.000 | 25.574 | 13.154 | 13.154 | 332.952 | 35.909 | 0.076 |
| CL | 450.800 | 24.001 | 1271.000 | 35.855 | 1140.014 | 19.860 | 0.560 |
| BP | - | - | - | - | - | - | - |
| T | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - |
| S04 | 2277.054 | 43.244 | 122.063 | 4813.090 | 100.209 | 19.800 | 0.412 |
| S203 | 0.054 | 0.000 | 0.000 | 0.015 | 0.000 | 121.980 | 1.999 |
| HC03 | - | - | - | - | - | - | - |
| C03 | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MVAL/KG) | 184.001 | 3.079 | 3.705 | 270.078 | 4.497 | 90.031 | 1.499 |
| HR02 | 23.800 | 0.543 | 0.660 | 37.910 | 0.865 | 10.630 | 0.243 |
| H3P04 | 17.306 | 0.177 | 0.045 | 2.605 | 0.027 | 0.245 | 0.003 |
| HAS04 | 0.994 | 0.009 | 0.039 | 4.585 | 0.043 | 0.086 | 0.001 |
| C02 | 0.852 | 0.025 | 0.025 | 1.421 | 0.042 | - | - |
| H2S | - | - | - | - | - | - | - |
| RN (*F=10 C/PTE/L) | - | - | - | - | - | - | - |
| NA/K | 5.172 | 8.652 | 11.534 | 11.534 | 3.847 | 0.090 | 3.847 |
| CA/(HC03+C03) | - | 1.388 | 0.776 | 0.776 | 2.220 | 6.435 | 9.778 |
| MG/CA | 3.435 | 0.180 | 0.203 | 0.203 | 0.280 | 14.287 | 0.280 |
| NA/CA | - | - | - | - | - | - | - |
| CL/(HC03+C03) | - | - | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - | 18.853 | 13.872 | 67.276 |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - | 79.278 | 6.435 | 14.287 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | 32.724 | 67.276 | 79.278 |
| (NA+K)*100/(NA+K+CA+MG) | 17.902 | 7.771 | 11.049 | 11.049 | 79.278 | 6.435 | 14.287 |
| CA*100/(NA+K+CA+MG) | 54.404 | 38.624 | 50.089 | 50.089 | 14.287 | 79.278 | 6.435 |
| MG*100/(NA+K+CA+MG) | 47.694 | 53.601 | 38.862 | 38.862 | 14.287 | 79.278 | 6.435 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - | 32.724 | 67.276 | 79.278 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | 79.278 | 6.435 | 14.287 |
| (NA+K)*100/(NA+K+CA+MG) | 17.902 | 7.771 | 11.049 | 11.049 | 79.278 | 6.435 | 14.287 |
| (CA+MG)*100/(NA+K+CA+MG) | 82.098 | 92.229 | 88.951 | 88.951 | 14.287 | 79.278 | 6.435 |

第7-2表 八甲田地域水質一覽表 (つづき)

| NO | HKC 9 | | HKC 10 | | HKC 11 | | HKC 12 | |
|----------------------------------|----------|--------|-----------|--------|----------|----------|----------|------|
| | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| TEMP | | | | | | | | |
| TSP | 3204.230 | 82.0 | 29001.200 | 64.0 | 3783.260 | 41.0 | 2786.580 | |
| PH(FD) | 1.20 | 1.20 | 1.20 | 1.90 | 1.90 | 2.40 | 2.40 | |
| PH(LS) | 1.70 | 1.70 | 1.90 | 1.82 | 1.82 | | | |
| H (MG/KG)(MVAI/5G) | | | | 13.003 | 12.897 | 4.000 | 3.968 | |
| K | 6.550 | 0.168 | 5.750 | 0.147 | 0.601 | 14.500 | 0.371 | |
| NA | 8.060 | 3.428 | 0.150 | 0.007 | 4.794 | 40.000 | 1.740 | |
| NH4 | 0.210 | 0.012 | 0.150 | 0.008 | 0.600 | 1.250 | 0.069 | |
| CA | 35.500 | 1.771 | 24.200 | 1.208 | 255.500 | 120.000 | 5.988 | |
| MG | 362.000 | 29.789 | 290.000 | 23.864 | 170.000 | 81.000 | 6.665 | |
| FF | 27.700 | 0.992 | 28.000 | 1.003 | 64.000 | 0.800 | 0.029 | |
| MN | 1.650 | 0.059 | 1.300 | 0.047 | 2.800 | 0.180 | 0.007 | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 130.200 | 14.477 | 135.230 | 15.036 | 211.250 | 291.980 | 32.465 | |
| CL | 727.030 | 20.511 | 550.640 | 15.534 | 1010.610 | 478.710 | 13.504 | |
| BP | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 1462.400 | 30.448 | 1339.500 | 27.888 | 1967.330 | 1690.397 | 35.194 | |
| S203 | | | | | 4.870 | 0.087 | | |
| HCO3 | 1.100 | 0.018 | | | | | | |
| CO3 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 245.984 | 4.096 | 253.984 | 4.229 | 42.773 | 111.487 | 1.856 | |
| HR02 | 28.390 | 0.646 | 34.200 | 0.780 | 4.960 | 1.420 | 0.032 | |
| H3PO4 | | | 1.532 | 0.016 | 0.245 | 0.439 | 0.004 | |
| HAS02 | 16.801 | 0.156 | 15.393 | 0.143 | 2.524 | | | |
| CO2 | | | | | | | | |
| H2S | 1.700 | 0.050 | 2.550 | 0.075 | 0.300 | | | |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 22.847 | | 0.044 | | 7.974 | | 4.691 | |
| CA/(HCO3+CO3) | 98.256 | | 19.762 | | 1.097 | | 1.113 | |
| MG/CA | 16.816 | | 0.005 | | 0.376 | | 0.291 | |
| NA/CA | 2.161 | | | | | | | |
| CL/(HCO3+CO3) | 1137.663 | | | | | | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 40.235 | | | | | | | |
| S04*100/(CL+S04+HCO3+CO3) | 59.729 | | | | | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.635 | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 11.237 | | 0.609 | | 16.789 | | 14.297 | |
| CA*100/(NA+K+CA+MG) | 4.952 | | 4.787 | | 39.676 | | 40.557 | |
| MG*100/(NA+K+CA+MG) | 23.791 | | 94.604 | | 43.535 | | 45.146 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.965 | | | | | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.035 | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 11.237 | | 0.609 | | 16.789 | | 14.297 | |
| (CA+MG)*100/(NA+K+CA+MG) | 92.763 | | 99.391 | | 83.211 | | 85.703 | |

第7-2表 八甲田地域地下水質一覽表 (つづき)

| | HKC 13 | | HKC 14 | | HKC 15 | | HKC 16 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|--|
| NO | 30.5 | 28.5 | 28.5 | 29.0 | 29.0 | 50.5 | 50.5 | |
| TEMP | 187.000 | 180.594 | 180.594 | 175.790 | 175.790 | 241.032 | 241.032 | |
| TSM | 7.90 | 6.70 | 6.70 | 6.60 | 6.60 | 9.00 | 9.00 | |
| PH(FD) | 7.95 | 7.30 | 7.30 | 7.20 | 7.20 | 9.30 | 9.30 | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 1.500 | 0.038 | 2.302 | 0.059 | 0.500 | 0.800 | 0.020 | |
| NA | 28.500 | 1.240 | 22.856 | 0.994 | 12.500 | 51.000 | 2.219 | |
| NH4 | | | | | 0.900 | | | |
| CA | 8.800 | 0.439 | 15.360 | 0.766 | 21.110 | 1.200 | 0.060 | |
| MG | 1.944 | 0.160 | 3.365 | 0.277 | 5.470 | 0.486 | 0.040 | |
| FE | 0.140 | 0.005 | 0.360 | 0.013 | 0.260 | 0.120 | 0.004 | |
| MN | TR. | | | | 0.100 | | | |
| ZN | | 0.002 | | 0.001 | | | | |
| CU | 0.050 | | | | 0.009 | 0.013 | 0.000 | |
| PB | | | | | | | | |
| AL | 0.013 | 0.001 | 0.186 | 0.021 | | | | |
| CL | 15.957 | 0.450 | 14.893 | 0.420 | 18.440 | 12.060 | 0.340 | |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 10.500 | 0.219 | | | | 0.340 | 0.020 | |
| S203 | | | | | | 17.500 | 0.364 | |
| HC03 | | | | | | | | |
| C03 | 74.970 | 1.229 | 103.730 | 1.700 | 97.600 | 103.643 | 1.699 | |
| SI02 (MG/KG) (MMOL/KG) | 71.606 | 1.192 | 46.637 | 0.810 | 33.035 | 87.208 | 1.452 | |
| HR02 | 5.670 | 0.129 | 2.551 | 0.058 | 4.250 | 5.669 | 0.129 | |
| H3PO4 | 0.157 | 0.002 | 0.506 | 0.005 | 0.126 | | | |
| HAS02 | | | 0.007 | 0.000 | 0.013 | | | |
| C02 | | | 8.802 | 0.200 | 13.200 | | | |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 32.310 | | 16.884 | | 42.514 | 108.410 | | |
| CA/(HC03+C03) | 0.357 | | 0.451 | | 0.659 | | | |
| MG/CA | 0.364 | | 0.361 | | 0.427 | 0.668 | | |
| NA/CA | 2.825 | | 1.297 | | 0.516 | 37.049 | | |
| CL/(HC03+C03) | 0.366 | | 0.247 | | 0.325 | | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 23.723 | | | | | | | |
| S04*100/(CL+S04+HC03+C03) | 11.521 | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 64.756 | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 68.086 | | 50.233 | | 27.016 | 95.730 | | |
| CA*100/(NA+K+CA+MG) | 23.592 | | 36.559 | | 51.134 | 2.560 | | |
| MG*100/(NA+K+CA+MG) | 8.522 | | 13.208 | | 21.850 | 1.710 | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 35.244 | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 64.756 | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 68.086 | | 50.233 | | 27.016 | 95.730 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 31.914 | | 49.767 | | 72.984 | 4.270 | | |

第7-2表 八甲田地域水質一覽表 (つづき)

| NO | HKC 17 | HKC 18 | HKC 19 | HKC 20 |
|----------------------------------|----------|---------|---------|----------|
| TEMP | 60.0 | 73.0 | 46.5 | 51.0 |
| TSM | 1196.681 | 198.200 | 262.788 | 1052.500 |
| PH(FD) | 8.10 | 9.20 | 9.10 | 6.80 |
| PH(LB) | 8.30 | 9.50 | 9.10 | 7.92 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 6.400 | 0.400 | 0.013 | 56.870 |
| NA | 350.000 | 46.000 | 0.500 | 11.455 |
| NH4 | 0.200 | 0.011 | 2.741 | 256.010 |
| CA | 36.072 | 1.800 | 0.140 | 0.148 |
| MG | 3.879 | 0.319 | 0.400 | 2.886 |
| FE | 0.800 | 0.029 | 0.488 | 0.759 |
| MN | 0.100 | 0.004 | 0.060 | 0.018 |
| ZN | 0.018 | 0.001 | TR. | - |
| CU | 0.013 | 0.012 | 0.041 | 3.430 |
| PB | - | - | - | - |
| AL | 493.369 | 9.930 | 10.638 | 420.920 |
| CL | - | - | - | - |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 0.544 | - | - |
| SO4 | 139.310 | 14.000 | 16.250 | 181.720 |
| S2O3 | - | - | - | 0.140 |
| HCO3 | 50.644 | 103.731 | 134.081 | 8.540 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 52.309 | 64.406 | 73.022 | 10.070 |
| HB02 | 48.153 | 6.378 | 10.631 | 4.250 |
| H3PO4 | 0.438 | 0.032 | 0.113 | 0.097 |
| HAS02 | 0.151 | 0.001 | - | 0.004 |
| CO2 | - | - | - | 8.800 |
| H2S | - | - | - | 1.340 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 92.999 | 195.563 | 214.269 | 7.655 |
| CA/(HCO3+CO3) | 2.169 | - | - | 20.617 |
| MG/CA | 0.177 | - | 2.004 | 0.263 |
| NA/CA | 8.458 | - | 137.300 | 3.859 |
| CL/(HCO3+CO3) | 16.767 | - | - | 84.753 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | 78.862 | - | - | 75.147 |
| SO4*100/(CL+SO4+HCO3+CO3) | 16.435 | - | - | 23.966 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 4.703 | - | - | 0.887 |
| (NA+K)*100/(NA+K+CA+MG) | 87.896 | - | 97.869 | 77.553 |
| CA*100/(NA+K+CA+MG) | 10.281 | - | 0.710 | 17.774 |
| MG*100/(NA+K+CA+MG) | 1.823 | - | 1.422 | 4.673 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 95.297 | - | - | 99.113 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 4.703 | - | - | 0.887 |
| (NA+K)*100/(NA+K+CA+MG) | 87.896 | - | 97.869 | 77.553 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.104 | - | 2.131 | 22.447 |

第7-2表 八甲田地域水質一覽表 (つづき)

| NO | HKC 33 | | | HKC 34 | | | HKC 35 | | | HKC 36 | | |
|----------------------------------|---------|-------|---------|--------|----------|--------|---------|-------|----------|--------|---------|--|
| | | | | | | | | | | | | |
| TFMP | 7.750 | 0.198 | 8.870 | 0.227 | 63.000 | 1.612 | 8.500 | 0.217 | 52.0 | 57.0 | 509.000 | |
| TSM | 190.000 | 8.265 | 185.500 | 8.069 | 960.000 | 41.760 | 62.990 | 2.740 | 45.5 | | | |
| PH(FD) | 0.128 | 0.007 | 0.050 | 0.003 | 0.773 | 0.043 | | | 2901.300 | 6.50 | | |
| PH(LB) | 12.000 | 0.599 | 61.920 | 3.090 | 32.064 | 1.600 | 60.510 | 3.019 | 7.20 | 6.52 | | |
| H (MG/KG) (MVAL/KG) | 0.486 | 0.040 | 0.100 | 0.008 | 5.350 | 0.440 | 5.300 | 0.836 | 7.50 | | | |
| K | 0.056 | 0.002 | 0.080 | 0.003 | 0.460 | 0.016 | 0.600 | 0.021 | | | | |
| NA | | | 0.014 | 0.001 | 0.080 | 0.003 | | | | | | |
| NH4 | | | 0.004 | 0.000 | 0.015 | 0.000 | 0.025 | 0.001 | | | | |
| CA | 0.016 | 0.002 | 0.025 | 0.003 | 0.150 | 0.017 | 2.000 | 0.222 | | | | |
| MG | 19.146 | 0.540 | 201.360 | 5.680 | 1453.860 | 41.013 | 46.807 | 1.320 | | | | |
| FE | 0.266 | 0.003 | | | | | | | | | | |
| MN | 0.084 | 0.001 | | | | | | | | | | |
| ZN | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | | | | | | | | | | | | |
| CL | 122.920 | 2.559 | 240.890 | 5.015 | 58.639 | 1.221 | 227.971 | 4.746 | | | | |
| BR | 73.222 | 1.200 | 63.030 | 1.033 | 198.100 | 3.247 | 36.610 | 0.600 | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | | | | | | | | | | | | |
| S04 | | | | | | | | | | | | |
| S203 | | | | | | | | | | | | |
| HC03 | | | | | | | | | | | | |
| C03 | | | | | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | 115.010 | 1.915 | 31.672 | 0.527 | 65.739 | 1.095 | 30.192 | 0.503 | | | | |
| HB02 | 21.261 | 0.485 | 5.170 | 0.118 | 32.600 | 0.744 | 7.087 | 0.162 | | | | |
| H3P04 | 0.251 | 0.003 | | | 0.127 | 0.001 | 0.012 | 0.000 | | | | |
| HAS02 | | | 0.023 | 0.000 | | | 0.136 | 0.001 | | | | |
| C02 | | | 5.080 | 0.115 | 22.005 | 0.500 | 13.203 | 0.300 | | | | |
| H2S | | | | | | | | | | | | |
| RN (*F=10 CURTIE/L) | | | | | | | | | | | | |
| NA/K | 41.691 | | 35.564 | | 25.913 | | 12.602 | | | | | |
| CA/(HC03+C03) | | | 2.991 | | 0.493 | | 5.032 | | | | | |
| MG/CA | 0.067 | | 0.003 | | 0.275 | | 0.144 | | | | | |
| NA/CA | 13.803 | | 2.612 | | 26.100 | | 0.907 | | | | | |
| CL/(HC03+C03) | | | 5.499 | | 12.632 | | 2.201 | | | | | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | | | 48.431 | | 90.177 | | 19.806 | | | | | |
| S04*100/(CL+S04+HC03+C03) | | | 42.761 | | 2.684 | | 71.194 | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | 8.808 | | 7.139 | | 9.000 | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 92.982 | | 72.810 | | 95.507 | | 46.117 | | | | | |
| CA*100/(NA+K+CA+MG) | 6.579 | | 27.117 | | 3.523 | | 47.083 | | | | | |
| MG*100/(NA+K+CA+MG) | 0.439 | | 0.072 | | 0.969 | | 6.801 | | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | | | 91.192 | | 92.861 | | 91.000 | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | 8.808 | | 7.139 | | 9.000 | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 92.982 | | 72.810 | | 95.507 | | 46.117 | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 7.018 | | 27.190 | | 4.493 | | 53.883 | | | | | |

第7-2表 八甲田地蔵水質一覽表(つづき)

| NO | HKC 37 | | HKC 38 | | HKC 39 | | HKC 40 | |
|------------------------------------|---------|---------|---------|---------|--------|---------|--------|------|
| | 14.0 | 39.0 | 37.0 | 92.0 | 37.0 | 92.0 | 37.0 | 92.0 |
| TEMP | 135.888 | 631.000 | 669.000 | 921.030 | 6.00 | 6.00 | 6.00 | 6.00 |
| TSM | 4.40 | 4.50 | 4.20 | 6.00 | | | | |
| PH(ED) | 4.10 | 4.70 | 4.34 | 6.00 | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | 0.080 | 0.020 | 0.020 | 0.050 | 0.050 | 5.000 | 0.128 | |
| K | 0.400 | 3.500 | 0.090 | 3.800 | 0.097 | 0.000 | 0.569 | |
| NA | 8.000 | 41.300 | 1.797 | 35.000 | 1.523 | 174.000 | 7.569 | |
| NH4 | 0.200 | 0.257 | 0.014 | 0.257 | 0.014 | 0.001 | 0.000 | |
| CA | 15.804 | 99.200 | 4.950 | 117.600 | 5.868 | 5.000 | 0.250 | |
| MG | 6.562 | 20.898 | 1.720 | 17.496 | 1.440 | 40.000 | 3.292 | |
| FE | 0.660 | 0.570 | 0.013 | 0.120 | 0.004 | 0.200 | 0.007 | |
| MN | 0.210 | 0.350 | 0.013 | 0.450 | 0.016 | 0.250 | 0.009 | |
| ZN | 0.003 | 0.010 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | |
| PR | 0.015 | 0.104 | 0.012 | 0.059 | 0.007 | 7.300 | 0.812 | |
| AL | 14.184 | 23.158 | 0.653 | 19.860 | 0.560 | 122.120 | 3.445 | |
| CL | BR | 0.019 | 0.000 | 0.013 | 0.000 | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 47.121 | 237.682 | 4.949 | 369.297 | 7.689 | 403.450 | 8.400 | |
| S203 | | | | | | | | |
| HC03 | 25.335 | 61.623 | 1.010 | 53.086 | 0.870 | | | |
| CO3 | | | | | | | | |
| ST02 (HG/KG) (MMOL/KG) | 15.220 | 29.503 | 0.491 | 25.502 | 0.425 | 70.645 | 1.176 | |
| HB02 | 8.504 | 22.678 | 0.518 | 22.678 | 0.518 | 55.000 | 1.255 | |
| H3P04 | 0.126 | 0.251 | 0.003 | 0.126 | 0.001 | 0.123 | 0.001 | |
| HAS02 | | | | | | | | |
| CO2 | 30.807 | 136.431 | 3.100 | 167.238 | 3.800 | 8.000 | 0.182 | |
| H2S | 0.852 | 20.449 | 0.600 | 21.302 | 0.625 | 5.600 | 0.164 | |
| RN (*F-10 CURTE/L) | | | | | | | | |
| NA/K | 34.011 | 20.066 | 15.663 | 59.179 | 6.744 | | | |
| CA/(HC03+CO3) | 1.875 | 4.901 | 0.245 | 13.193 | 0.259 | | | |
| MG/CA | 0.694 | 0.347 | 0.259 | 30.337 | 0.644 | | | |
| NA/CA | 0.447 | 0.363 | 0.644 | | | | | |
| CL/(HC03+CO3) | 0.964 | 0.647 | | | | | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 22.274 | 9.881 | 6.144 | 68.490 | 9.459 | | | |
| S04*100/(CL+S04+HC03+CO3) | 54.612 | 74.844 | 84.515 | 2.220 | 9.541 | | | |
| I (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.115 | 15.276 | 18.142 | 2.220 | 9.541 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 21.363 | 22.044 | 65.731 | 68.490 | 65.731 | | | |
| CA*100/(NA+K+CA+MG) | 46.434 | 57.856 | 16.127 | 2.220 | 16.127 | | | |
| MG*100/(NA+K+CA+MG) | 32.202 | 20.100 | 90.459 | 29.290 | 90.459 | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 76.885 | 84.724 | 18.142 | 68.490 | 18.142 | | | |
| I (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.115 | 15.276 | 9.541 | 2.220 | 9.541 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 21.363 | 22.044 | 65.731 | 68.490 | 65.731 | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 73.637 | 77.956 | 81.858 | 31.510 | 81.858 | | | |

第7-2表 八甲田地蔵水質一覧表(つづき)

| | HKC 41 | HKC 42 | HKC 43 | HKC 44 |
|----------------------------------|---------|---------|---------|---------|
| NO | 70.0 | 62.0 | 62.0 | 88.0 |
| TEMP | 565.940 | 597.940 | 495.300 | 622.500 |
| TSM | 6.30 | 6.60 | 6.20 | 6.30 |
| PH(FD) | 6.32 | 6.60 | 6.50 | 6.47 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 11.200 | 19.700 | 8.000 | 10.000 |
| NA | 43.000 | 41.000 | 28.710 | 35.900 |
| NH4 | 0.054 | 0.051 | 0.094 | 0.003 |
| CA | 51.020 | 50.320 | 43.000 | 42.010 |
| MG | 24.450 | 10.000 | 18.000 | 30.450 |
| FE | | | | |
| MN | 1.650 | 6.000 | 1.950 | 1.500 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 22.700 | 17.600 | 15.800 | 22.900 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 224.690 | 207.670 | 160.630 | 192.940 |
| S203 | 0.016 | 0.073 | 0.025 | 0.057 |
| HC03 | 79.300 | 67.000 | 67.000 | 98.000 |
| C03 | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 32.072 | 45.741 | 38.203 | 44.196 |
| H202 | 8.260 | 7.080 | 7.080 | 8.600 |
| H3P04 | 8.159 | 7.382 | 8.321 | 9.577 |
| HAS02 | 0.545 | 0.095 | 0.075 | 0.085 |
| C02 | 44.000 | 30.800 | 26.400 | 0.818 |
| H2S | | | | 72.200 |
| | | | 16.600 | 27.300 |
| | | | | 0.487 |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 6.145 | 3.539 | 6.103 | 6.103 |
| CA/(HC03+C03) | 1.959 | 2.287 | 1.954 | 1.305 |
| MG/CA | 0.700 | 0.328 | 0.690 | 1.195 |
| NA/CA | 0.735 | 0.710 | 0.582 | 0.745 |
| CL/(HC03+C03) | 0.493 | 0.452 | 0.406 | 0.402 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 9.670 | 8.389 | 9.118 | 10.304 |
| S04*100/(CL+S04+HC03+C03) | 70.774 | 73.056 | 68.417 | 64.075 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 19.627 | 18.555 | 22.465 | 25.621 |
| (NA+K)*100/(NA+K+CA+MG) | 32.311 | 40.692 | 28.610 | 28.311 |
| CA*100/(NA+K+CA+MG) | 37.823 | 44.669 | 42.234 | 32.655 |
| MG*100/(NA+K+CA+MG) | 29.866 | 14.639 | 29.155 | 39.033 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 80.373 | 81.445 | 77.535 | 74.379 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 19.627 | 18.555 | 22.465 | 25.621 |
| (NA+K)*100/(NA+K+CA+MG) | 32.311 | 40.692 | 28.610 | 28.311 |
| (CA+MG)*100/(NA+K+CA+MG) | 67.689 | 59.308 | 71.390 | 71.689 |

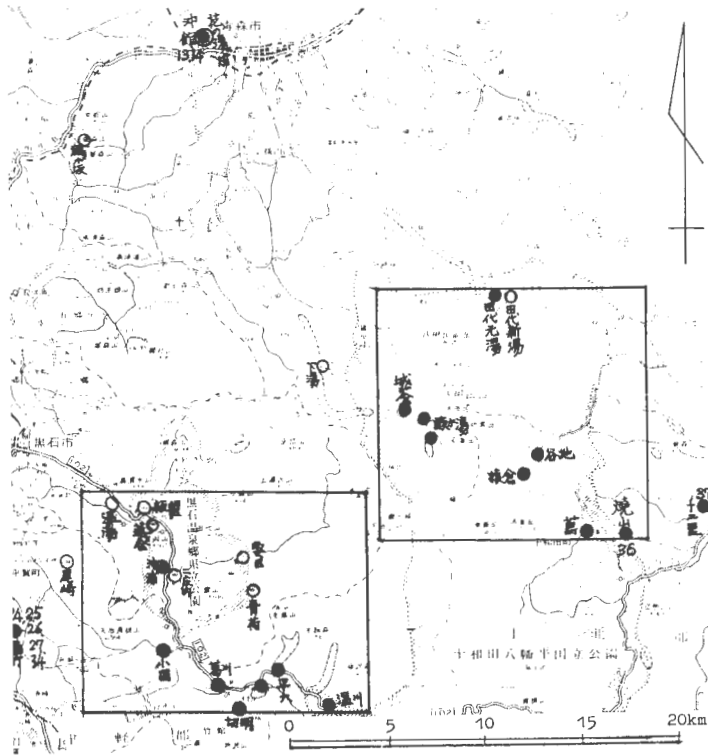
第7-3表 八甲地域特定成分含量の頻度分布表

FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

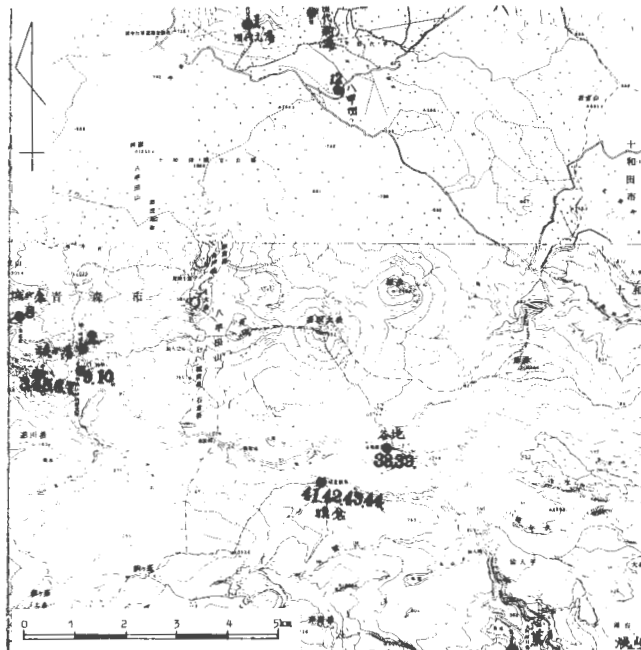
| ZN | | CU | | PB | | AS | | H2S | |
|--------|------|--------|------|---------|------|---------|------|----------|------|
| ND | F(%) | ND | F(%) | ND | F(%) | ND | F(%) | ND | F(%) |
| <0.500 | 4.7 | <0.300 | 27 | <0.100 | 0 | <0.050 | 16 | <1.000 | 7 |
| <5.000 | 0 | <3.000 | 1 | <1.000 | 0 | <0.500 | 14 | <100.000 | 4 |
| >5.000 | 2.1 | >3.000 | 1 | >1.000 | 0 | >5.000 | 12 | >100.000 | 0 |
| TOTAL | 47 | TOTAL | 47 | TOTAL | 47 | TOTAL | 47 | TOTAL | 47 |
| N=44 | | N=27 | | N=47 | | N=16 | | N=7 | |
| F=93.6 | | F=57.4 | | F=100.0 | | F=27.7 | | F=14.7 | |
| N=6 | | N=1 | | N=0 | | N=12 | | N=4 | |
| F=12.8 | | F=2.1 | | F=0 | | F=25.5 | | F=8.5 | |
| N=30 | | N=2 | | N=47 | | N=2 | | N=0 | |
| F=63.8 | | F=4.3 | | F=100.0 | | F=100.0 | | F=0 | |

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

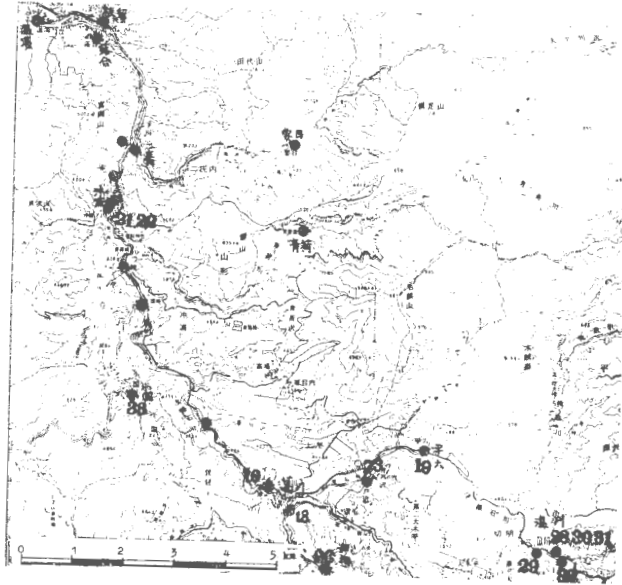
第7-1図 八甲田地域の温泉分布および試料採取地



第7-2図 試料採取地（田代元湯，八甲田，城が倉，酸か湯，谷地，猿倉，葛，焼山温泉）



第7-3図 試料採取地（沖浦，小国，葛川，切明，平六，温川温泉）

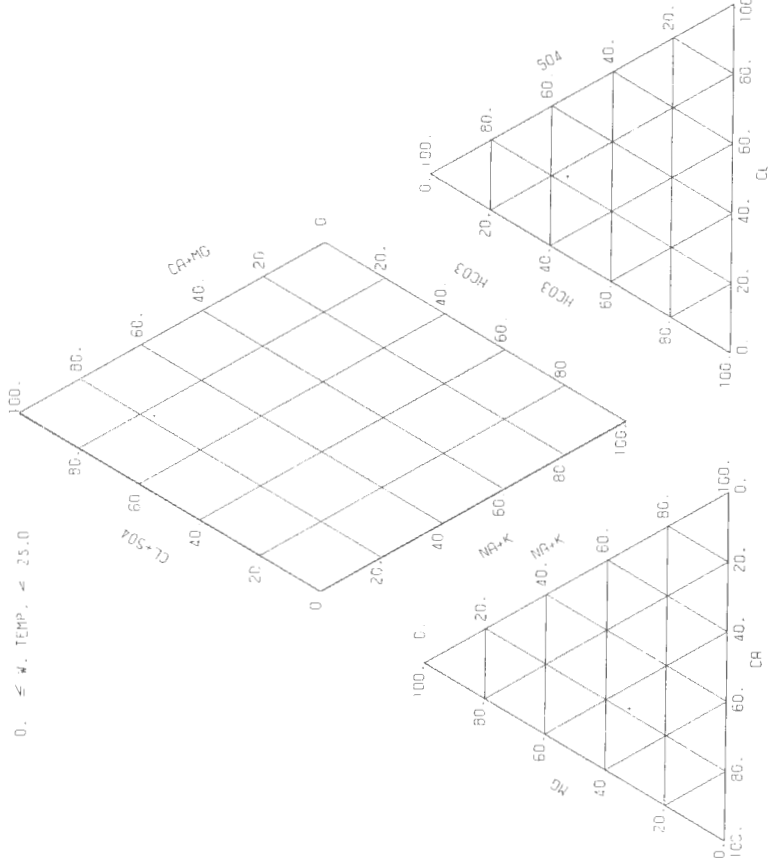


第7-4図 八甲田地域水質組成図(その1) (水温25℃未満)

HAKKODAI

AREA CODE HKC

0. ≦ W. TEMP. ≦ 25.0

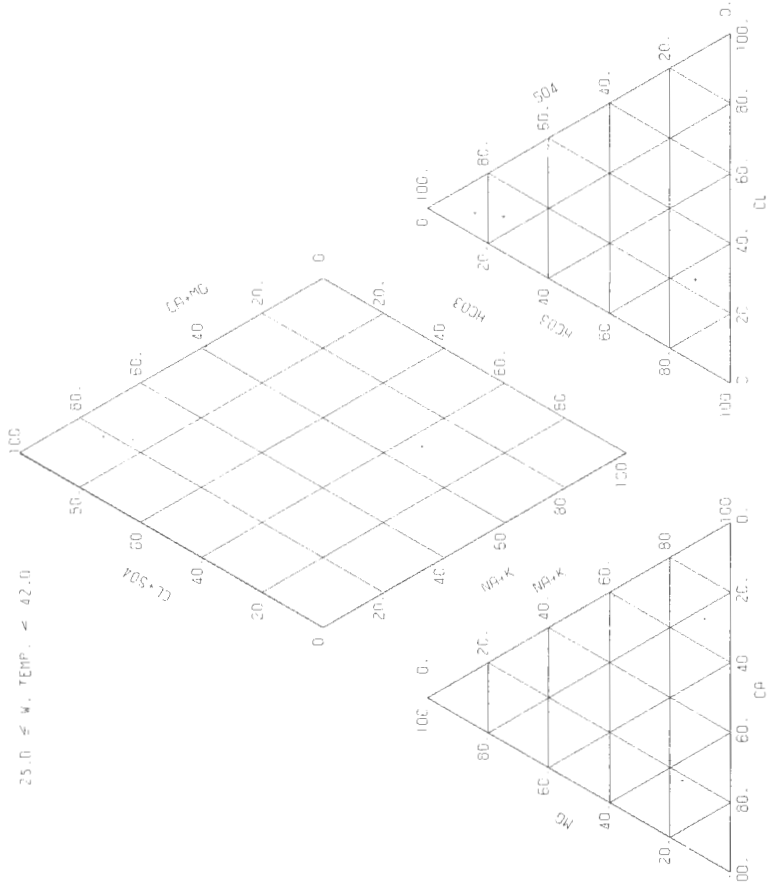


第7-4図 八甲田地域水質組成図(その2) (水温25℃以上42℃未満)

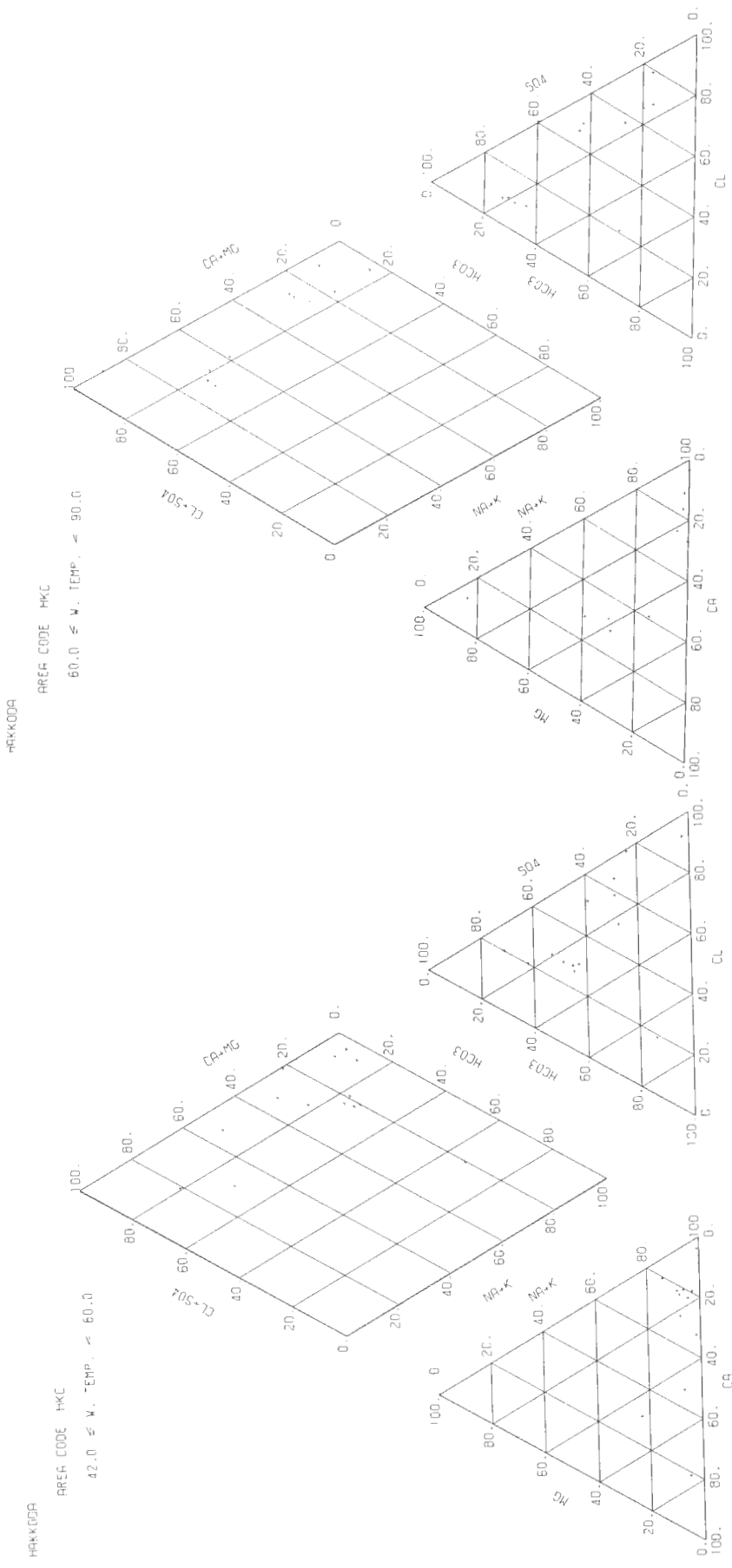
HAKKODAI

AREA CODE HKC

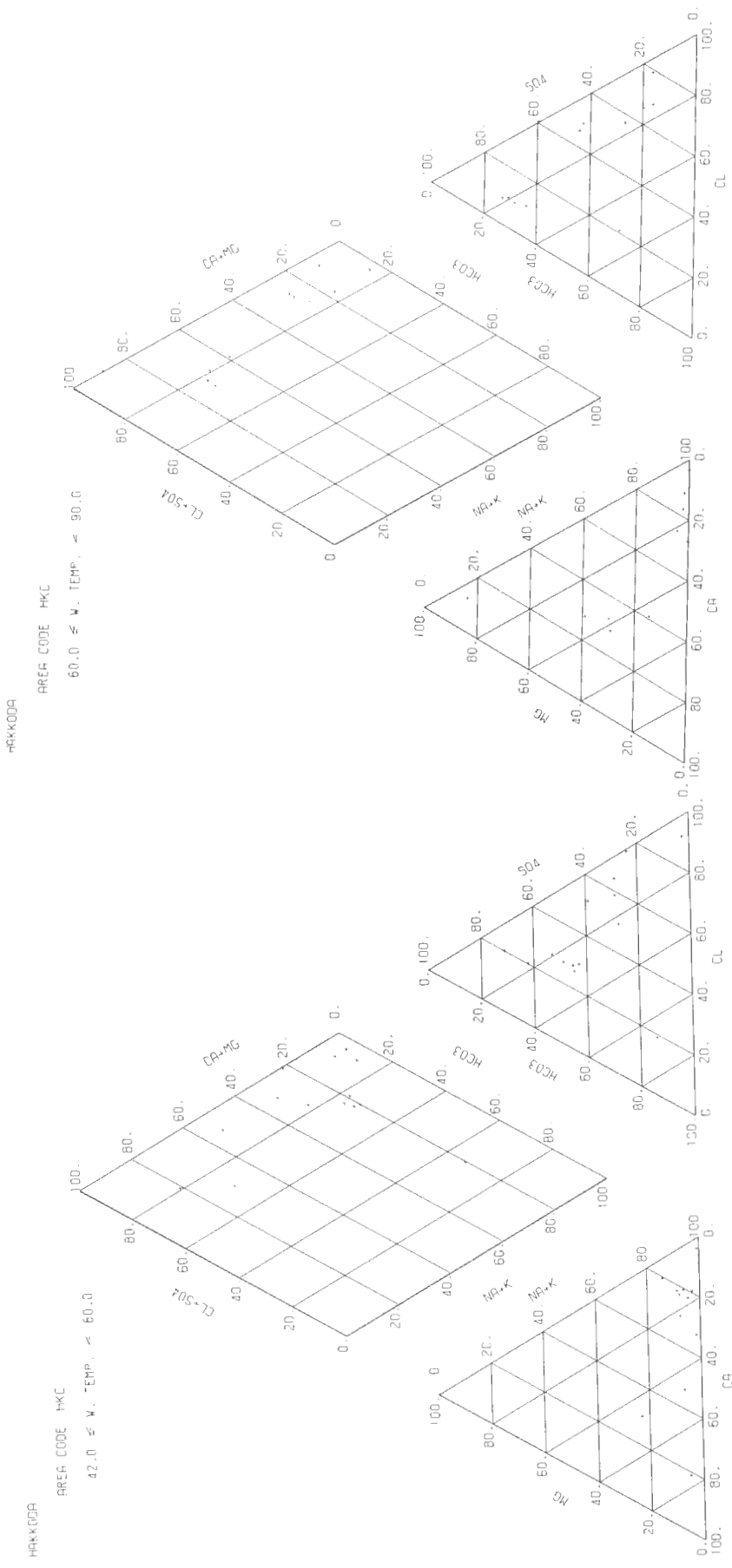
25.0 ≦ W. TEMP. ≦ 42.0



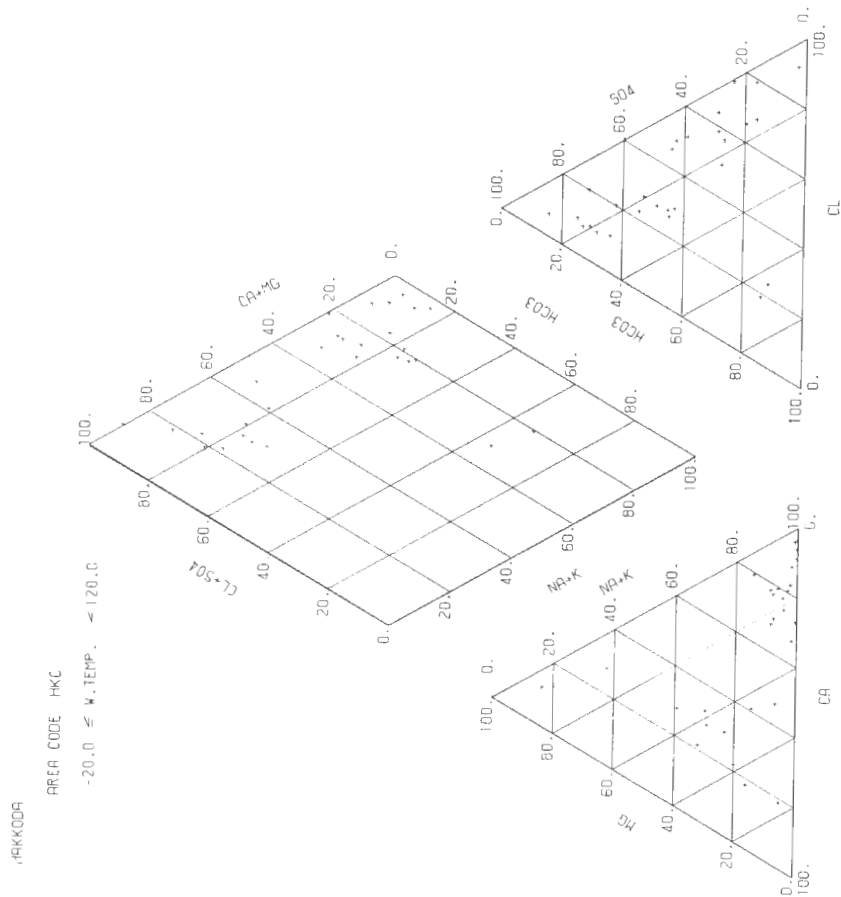
第7-4図 八甲地域水質組成図 (その3) (水温42℃以上60℃未満)



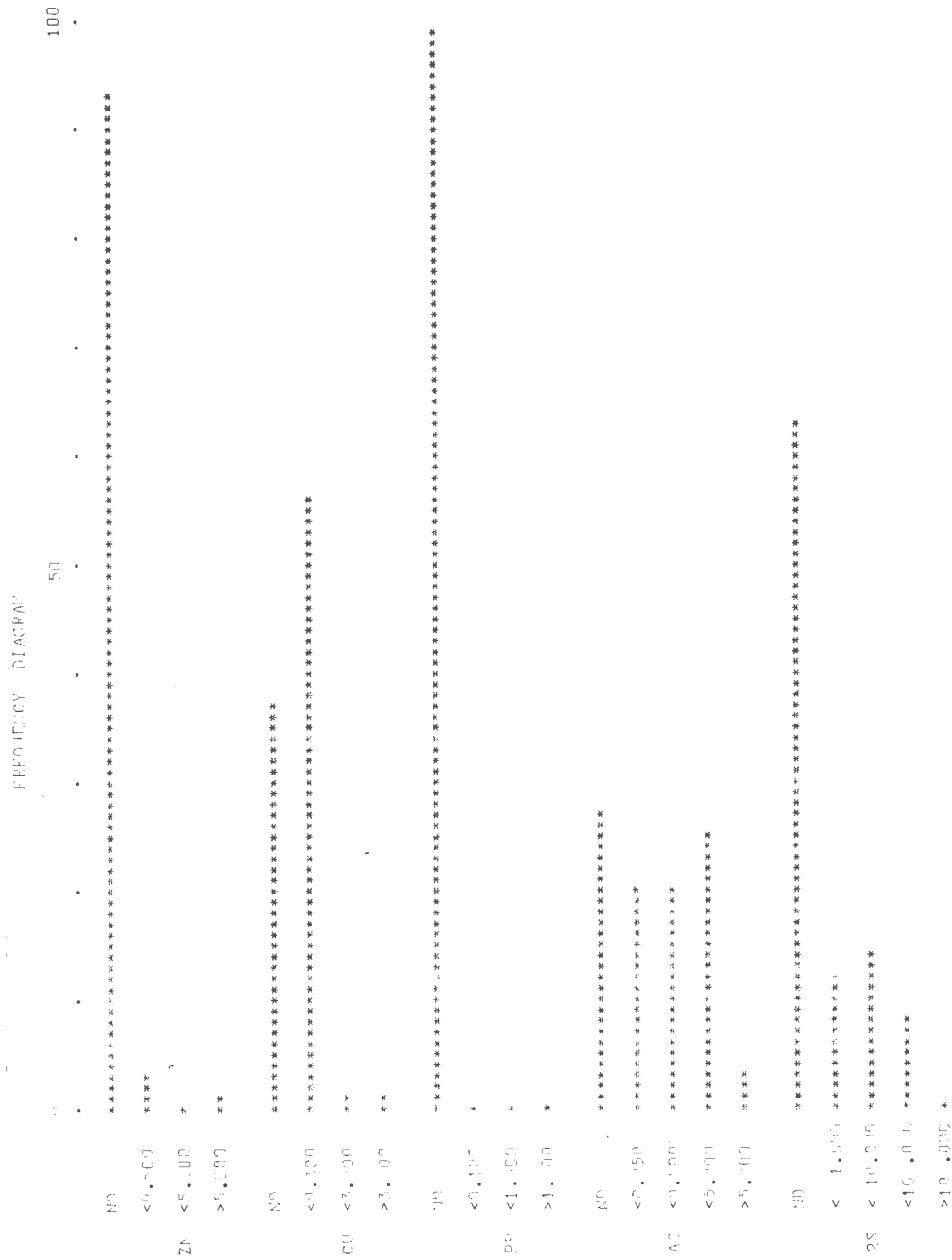
第7-4図 八甲地域水質組成図 (その4) (水温60℃以上90℃未満)



第7-4図 八甲地域水質組成図(その5)(全試料)



第7-5図 八甲田地域特定成分量の頻度分布図

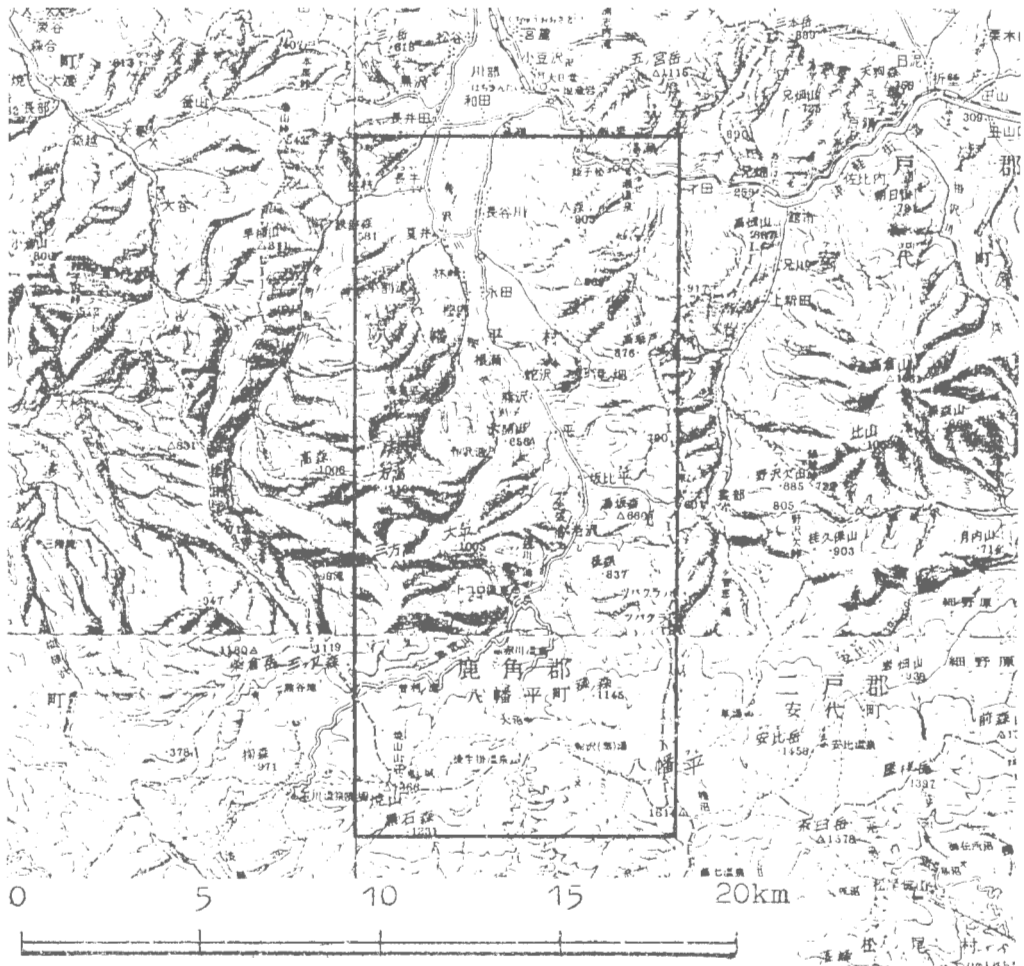


8. 八幡平北部

Northern part of Hachimantai

| | |
|-------|-------------------|
| 位置 | 秋田県鹿角市 |
| データ数 | 29 |
| 収集・整理 | 阿部智彦 |
| 協力 | 秋田県衛生科学研究所, 三菱金属㈱ |

調査位置図 (20万分の1地勢図 弘前, 秋田)



第8-1表 八幡平北部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|---------------------|-----|--------|--------------|-------|-----------|----|
| HNC-1 | 秋田県鹿角市長谷川字熊沢国有林第9林班 | 蒸の湯 | 岩の湯 | 1959. 8. 18 | 1 | 172 | |
| " | " | " | " | " 8. 18 | " | 173 | |
| " | " | " | " | 1952. 8. 29 | " | 48 | |
| " | " | " | " | 1956. 10. 3 | " | 139 | |
| " | " | " | " | 1971. 10. 6 | " | 308 | |
| " | " | " | " | " 10. 6 | " | 307 | |
| " | " | " | " | " 10. 6 | " | 306 | |
| " | " | 後生掛 | 川原の湯 | 1959. 8. 17 | " | 170 | |
| " | " | " | 仙気の湯 | " 8. 17 | " | 171 | |
| " | " | " | 神恵桶の湯 | " 8. 28 | " | 45 | X |
| " | " | " | いちよの湯 | 1952. 8. 28 | " | 141 | |
| " | " | トロコ | 上 | 1956. 10. 2 | " | 291 | |
| " | " | " | No. 24 | 1970. 7. 20 | " | 280 | X |
| " | " | 蒸の湯 | 湯頭 | 1969. 11. 17 | " | 220 | |
| " | " | 後生掛 | " | 1965. 9. 29 | " | 63 | X |
| " | " | 蒸の湯 | 子宝の湯 | 1954. 5. 7 | " | 311 | |
| " | " | トロコ | 上 | 1971. 10. 6 | " | 44 | |
| " | " | " | 下 | 1952. 8. 30 | " | 62 | X |
| " | " | " | " | 1954. 5. 7 | " | 46 | |
| " | " | " | " | 1952. 8. 26 | " | 97 | |
| " | " | 赤 | 川2号 | 1955. 9. 27 | " | 310 | |
| " | " | " | 1号 | 1971. 10. 7 | " | 309 | |
| " | " | " | " | " 10. 7 | " | 49 | |
| " | " | 湯 | 瀬 | 1952. 8. 30 | " | 302 | X |
| " | " | " | " | 1971. 8. 25 | " | 304 | X |
| " | " | " | " | " 8. 25 | " | 193 | |
| " | " | 銭 | 川 | 1961. 12. 4 | " | 275 | |
| " | " | " | " | 1969. 10. 21 | " | 289 | |
| " | " | " | 岩の湯 | 1970. 7. 20 | " | 47 | |
| " | " | " | " | 1952. 8. 26 | " | | |

備考のXは源泉位置不明を示す。

第8-2表 八幅平北部地區水質一覽表

| NO | HNC 1 | HNC 2 | HNC 3 | HNC 4 |
|----------------------------------|---------|---------|---------|----------|
| TEMP | 90.0 | 97.0 | 77.0 | 88.0 |
| TSM | 836.400 | 693.600 | 479.000 | 3089.800 |
| PH(FD) | 2.40 | 2.60 | 7.80 | 2.40 |
| PH(LB) | 2.44 | 2.65 | 7.60 | 2.16 |
| H (MG/KG) (MVAL/KG) | 4.032 | 2.520 | - | 3.828 |
| K | 5.968 | 3.907 | 0.258 | 2.583 |
| NA | 17.671 | 13.526 | 0.990 | 15.003 |
| NH4 | 1.010 | 0.248 | 0.017 | - |
| CA | 32.590 | 29.158 | 2.762 | 21.643 |
| MG | 8.755 | 2.675 | 6.225 | 2.162 |
| FF | 7.553 | 11.190 | 0.512 | 276.992 |
| MN | 2.073 | 0.477 | 0.004 | - |
| ZN | - | - | - | - |
| CU | 0.002 | 0.020 | - | - |
| PB | - | - | - | - |
| AL | 19.353 | 21.754 | 0.573 | 109.696 |
| CL | 2.872 | 3.815 | 0.501 | - |
| BR | 0.605 | 0.088 | - | - |
| I | 0.253 | 0.020 | - | - |
| F | 0.791 | 0.838 | 0.011 | 0.034 |
| OH | - | - | 0.200 | 0.652 |
| SO4 | 437.588 | 350.640 | 1.774 | 1604.200 |
| S2O3 | 0.028 | 0.011 | 0.027 | 33.399 |
| HCO3 | - | - | 2.512 | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 122.602 | 105.003 | 1.106 | 91.208 |
| HB02 | 13.148 | 8.765 | 2.838 | 844.332 |
| H3PO4 | 0.843 | 0.411 | 0.001 | 4.802 |
| HASO2 | 3.647 | 1.449 | 0.017 | - |
| CO2 | - | - | 17.063 | 250.800 |
| H2S | - | 1.704 | 0.342 | 0.106 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 5.035 | 5.887 | 3.838 | 9.877 |
| CA/(HCO3+CO3) | - | - | 1.100 | - |
| MG/CA | 0.443 | 0.151 | 0.185 | 0.165 |
| NA/CA | 0.473 | 0.404 | 0.359 | 0.604 |
| CL/(HCO3+CO3) | - | - | 0.199 | - |
| CL/F | 1.946 | 2.440 | 47.562 | - |
| CL*100/(CL+S04+HCO3+CO3) | - | - | 10.461 | - |
| S04*100/(CL+S04+HCO3+CO3) | - | - | 37.054 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | 52.485 | - |
| (NA+K)*100/(NA+K+CA+MG) | 28.193 | 29.124 | 27.604 | 36.361 |
| CA*100/(NA+K+CA+MG) | 49.762 | 61.562 | 61.071 | 54.639 |
| MG*100/(NA+K+CA+MG) | 22.045 | 9.314 | 11.325 | 9.001 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | - | 47.515 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | 52.485 | - |
| (NA+K)*100/(NA+K+CA+MG) | 28.193 | 29.124 | 27.604 | 36.361 |
| (CA+MG)*100/(NA+K+CA+MG) | 71.807 | 70.876 | 72.396 | 63.639 |

第 8-2 表 八幡平北部地域水質一覽表 (つづき)

| NO | HNC 5 | HNC 6 | HNC 7 | HNC 8 |
|----------------------------------|---------|---------|---------|----------|
| TEMP | 94.0 | 87.0 | 96.0 | 92.0 |
| TSM | 393.400 | 882.500 | 786.500 | 1004.200 |
| PH(FD) | 7.60 | 2.35 | 2.35 | 2.40 |
| PH(LR) | 7.30 | 2.35 | 2.35 | 2.45 |
| H (MG/KG) (MVAL/KG) | - | 4.536 | 4.536 | 4.032 |
| K | 3.430 | 1.040 | 1.210 | 2.706 |
| NA | 19.400 | 3.800 | 3.700 | 11.654 |
| NH4 | - | - | - | 1.238 |
| CA | 46.630 | 20.500 | 23.410 | 27.444 |
| MG | 5.040 | 5.640 | 6.100 | 1.369 |
| FE | 0.630 | 20.500 | 0.734 | 13.619 |
| MN | - | 0.510 | 0.019 | 25.739 |
| ZN | - | 0.105 | 0.003 | 2.606 |
| CU | - | 0.016 | 0.001 | - |
| PB | - | - | 0.021 | 0.420 |
| AL | 0.563 | 23.200 | 21.100 | 16.685 |
| CL | - | - | 3.900 | 0.035 |
| BR | - | - | - | 4.293 |
| I | - | - | - | 1.009 |
| F | 0.072 | 0.083 | 0.022 | 0.454 |
| OH | - | - | 0.004 | - |
| SO4 | 91.980 | 462.519 | 9.630 | 511.137 |
| SO3 | 1.447 | 25.940 | 0.463 | 0.100 |
| HC03 | 110.000 | - | 2.603 | 10.642 |
| CO3 | 0.260 | - | - | 0.002 |
| SI02 (MG/KG) (MMOL/KG) | 109.029 | 223.405 | 153.014 | 201.218 |
| HR02 | 4.602 | 23.250 | 13.160 | 93.408 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | 1.112 |
| CO2 | 6.612 | 279.000 | 275.500 | 0.010 |
| H2S | - | 4.984 | 10.820 | 0.013 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 9.618 | 6.214 | 5.200 | 7.324 |
| CA/(HC03+CO3) | 1.284 | - | - | - |
| MG/CA | 0.178 | 0.458 | 0.430 | 0.818 |
| NA/CA | 0.563 | 0.163 | 0.138 | 0.370 |
| CL/(HC03+CO3) | - | - | - | - |
| CL/F | - | - | 95.001 | 0.041 |
| CL*100/(CL+S04+HC03+CO3) | - | - | - | - |
| S04*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 25.363 | 11.498 | 10.306 | 18.790 |
| CA*100/(NA+K+CA+MG) | 53.346 | 60.694 | 62.736 | 44.661 |
| MG*100/(NA+K+CA+MG) | 11.291 | 27.808 | 26.958 | 36.549 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 25.363 | 11.498 | 10.306 | 18.790 |
| (CA+MG)*100/(NA+K+CA+MG) | 74.637 | 88.502 | 89.694 | 81.210 |

第8-2表 八幡平北部地域地下水質一覽表 (つづき)

| NO | HMC 9 | HMC 10 | HMC 11 | HMC 12 |
|----------------------------------|---------|---------|----------|----------|
| TEMP | 34.0 | 30.0 | 37.0 | 39.0 |
| TSM | 637.200 | 442.800 | 1087.113 | 1332.000 |
| PH(FD) | 2.80 | 6.40 | 7.80 | 8.60 |
| PH(LB) | 2.70 | 6.30 | 8.15 | 8.20 |
| H (MG/KG)(WVAI/%) | | | | |
| K | 1.613 | 1.600 | 20.273 | 0.519 |
| NA | 1.900 | 3.965 | 212.661 | 9.251 |
| NH4 | 12.815 | 8.040 | 0.450 | 235.000 |
| CA | 0.504 | 0.028 | 0.054 | 0.067 |
| MG | 9.148 | 47.144 | 2.352 | 23.730 |
| FE | 1.945 | 8.518 | 0.701 | 0.005 |
| MN | 10.588 | 9.000 | 0.742 | 0.060 |
| ZN | 0.075 | 0.003 | 0.066 | 0.002 |
| CU | 0.737 | 0.023 | 0.000 | 0.040 |
| PB | 0.000 | 0.000 | 0.000 | 0.001 |
| AL | 13.366 | 3.023 | 1.025 | 0.020 |
| CL | 3.594 | 0.101 | 0.336 | 0.150 |
| BR | 0.505 | 12.425 | 0.351 | 0.150 |
| I | 0.046 | 0.000 | 230.234 | 293.600 |
| F | 0.455 | 0.024 | 0.210 | 0.030 |
| OH | 0.000 | 0.400 | 3.996 | 0.016 |
| S04 | 226.898 | 147.735 | 39.383 | 2.360 |
| S203 | 0.034 | 2.850 | 1.501 | 0.068 |
| HC03 | 0.000 | 48.387 | 187.081 | 104.200 |
| CO3 | 0.000 | 0.000 | 0.000 | 9.935 |
| S102 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 165.863 | 66.816 | 198.619 | 0.234 |
| H3P04 | 53.376 | 0.500 | 214.319 | 224.998 |
| HAS02 | 0.000 | 0.131 | 0.904 | 406.679 |
| CO2 | 1.668 | 0.802 | 9.502 | 0.000 |
| H2S | 7.668 | 17.604 | 10.166 | 15.845 |
| CO2 | 0.000 | 4.629 | 0.943 | 0.060 |
| CO2 | 0.000 | 0.130 | 0.028 | 0.895 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 11.470 | 1.525 | 17.839 | 16.311 |
| CA/(HC03+CO3) | 0.351 | 2.966 | 0.283 | 6.940 |
| MG/CA | 1.221 | 0.298 | 0.070 | 0.000 |
| NA/CA | 0.015 | 0.149 | 10.647 | 8.633 |
| CL/(HC03+CO3) | 0.000 | 0.442 | 2.118 | 48.539 |
| CL/F | 4.196 | 16.647 | 30.877 | 66.670 |
| CL*100/(CL+S04+HC03+CO3) | 0.000 | 8.307 | 62.565 | 77.971 |
| SO4*100/(CL+S04+HC03+CO3) | 0.000 | 72.898 | 7.899 | 20.423 |
| (HC03+CO3)*100/(CL+S04+CO3+CO3) | 0.000 | 18.795 | 29.537 | 1.606 |
| (NA+K)*100/(NA+K+CA+MG) | 49.571 | 15.941 | 91.309 | 90.157 |
| CA*100/(NA+S+CA+MG) | 37.337 | 64.762 | 8.121 | 9.860 |
| MG*100/(NA+K+CA+MG) | 13.091 | 19.297 | 0.571 | 0.003 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 0.000 | 81.205 | 70.463 | 98.394 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.000 | 18.795 | 29.537 | 1.606 |
| (NA+K)*100/(NA+K+CA+MG) | 49.571 | 15.941 | 91.309 | 90.157 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.429 | 84.059 | 8.691 | 9.843 |

第8-2表 八幡平北部地塊水質一覽表(つづき)

| NO | HNC 13 | | HNC 14 | | HNC 15 | | HNC 16 | |
|----------------------------------|-----------|---------|---------|---------|---------|--------|--------|------|
| | TEMP | 97.5 | 71.0 | 75.0 | 89.5 | 89.5 | 89.5 | 89.5 |
| TSM | 2730.000 | 581.100 | 568.000 | 867.100 | | | | |
| PH(FD) | 2.40 | 2.80 | 2.20 | 2.15 | | | | |
| PH(CLR) | 2.50 | 2.80 | 2.50 | 2.15 | | | | |
| H (MG/KG)(MVAL/KG) | 4.032 | 1.613 | 1.600 | 2.868 | 7.157 | 7.100 | | |
| K | 57.500 | 3.000 | 0.077 | 1.650 | 3.320 | 0.085 | | |
| NA | 385.000 | 16.748 | 0.718 | 6.089 | 9.500 | 0.413 | | |
| NH4 | 6.500 | 0.360 | - | - | 1.701 | 0.094 | | |
| CA | 23.300 | 12.436 | 0.621 | 3.286 | 26.990 | 1.347 | | |
| MG | 29.000 | 1.842 | 0.152 | 0.481 | 6.280 | 0.517 | | |
| FE | 54.037 | 9.991 | 0.358 | 27.416 | 12.900 | 0.462 | | |
| MN | 2.350 | 0.144 | 0.005 | - | 0.430 | 0.016 | | |
| ZN | - | - | - | - | 0.040 | 0.001 | | |
| CU | 0.043 | 0.004 | 0.000 | - | 0.005 | 0.000 | | |
| PB | - | - | - | - | 0.020 | 0.000 | | |
| AL | 0.892 | 24.239 | 2.695 | 10.473 | 9.630 | 1.093 | | |
| CL | 510.500 | 14.401 | 0.112 | 28.720 | - | - | | |
| BP | 0.330 | 0.004 | - | - | - | - | | |
| I | 0.271 | 0.002 | 0.022 | - | - | - | | |
| F | 4.850 | 0.255 | - | - | - | - | | |
| OH | - | - | - | - | - | - | | |
| S04 | 701.990 | 14.615 | 6.573 | 359.667 | 603.634 | 12.568 | | |
| S203 | - | 2.455 | 0.044 | 1.454 | 2.317 | 0.041 | | |
| HC03 | 0.079 | 0.001 | 0.001 | - | - | - | | |
| C03 | - | - | - | - | - | - | | |
| SI02 (MG/KG)(MMPL/KG) | 579.437 | 8.004 | 0.133 | 73.776 | 141.243 | 2.352 | | |
| HB02 | 473.200 | 10.798 | 0.560 | - | 8.823 | 0.201 | | |
| H3P04 | 0.892 | 0.009 | - | 1.134 | 0.265 | 0.003 | | |
| HAS02 | 7.000 | 0.065 | 0.001 | - | - | - | | |
| C02 | 783.400 | 17.799 | 249.956 | - | 451.500 | 10.258 | | |
| H2S | - | 8.521 | 0.250 | - | - | - | | |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | | |
| NA/K | 9.699 | 9.353 | 6.276 | 4.866 | | | | |
| CA/(HC03+C03) | 897.946 | 565.103 | - | - | | | | |
| MG/CA | 2.053 | 0.244 | 0.241 | 0.384 | | | | |
| NA/CA | 14.404 | 1.157 | 1.615 | 0.307 | | | | |
| CL/(HC03+C03) | 11122.253 | 102.371 | - | - | | | | |
| CL/F | 56.408 | - | - | - | | | | |
| CL*100/(CL+S04+HC03+C03) | 49.629 | 1.681 | - | - | | | | |
| S04*100/(CL+S04+HC03+C03) | 50.367 | 98.302 | - | - | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.004 | 0.016 | - | - | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 83.885 | 50.713 | 60.137 | 21.093 | | | | |
| CA*100/(NA+K+CA+MG) | 5.279 | 39.611 | 32.112 | 57.025 | | | | |
| MG*100/(NA+K+CA+MG) | 10.836 | 9.675 | 7.751 | 21.881 | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.996 | 99.984 | - | - | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.004 | 0.016 | - | - | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 83.885 | 50.713 | 60.137 | 21.093 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 16.115 | 49.287 | 39.863 | 78.507 | | | | |

第 8-2 表 八幡平北部地域水質一覧表(つづき)

| NO | HNC | | | | H (MG/KG) (MVAL/KG) |
|----------------------------------|----------|---------|---------|---------|---------------------|
| | 17 | 18 | 19 | 20 | |
| TEMP | 62.0 | 50.5 | 56.0 | 86.0 | |
| TSM | 1165.600 | 406.100 | 966.800 | 861.000 | |
| PH(PD) | 8.60 | 6.90 | 8.00 | 6.60 | |
| PH(LB) | 8.40 | 7.00 | 7.90 | 6.20 | |
| K | 26.240 | 5.773 | 24.193 | 4.126 | 0.106 |
| NA | 264.157 | 46.571 | 247.915 | 14.042 | 0.611 |
| NH4 | 0.490 | - | 0.345 | - | - |
| CA | 21.786 | 2.284 | 20.358 | 17.857 | 0.891 |
| MG | 0.655 | 6.007 | 1.310 | 0.699 | 0.058 |
| FE | 0.060 | 0.940 | 0.070 | 0.186 | 0.007 |
| MN | - | - | - | - | - |
| ZN | - | - | - | - | - |
| CU | - | - | - | - | - |
| PB | - | - | - | - | - |
| AL | 2.625 | 11.746 | 2.200 | 73.369 | 8.158 |
| CL | 305.300 | 4.255 | 248.500 | 206.779 | 5.833 |
| BR | - | - | - | - | - |
| I | 3.700 | 0.195 | 3.600 | 2.200 | 0.116 |
| F | 0.204 | 0.012 | - | - | - |
| OH | 125.516 | 8.093 | 137.862 | 87.649 | 1.825 |
| S04 | 1.425 | 0.872 | 1.900 | 6.733 | 0.120 |
| S203 | 120.572 | 231.319 | 159.623 | 115.507 | 1.893 |
| HC03 | 1.350 | 0.045 | - | - | - |
| C03 | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 162.245 | 66.775 | 64.222 | 207.865 | 3.461 |
| HR02 | 0.512 | 1.273 | 0.029 | 0.013 | 0.004 |
| H3PO4 | 0.327 | 1.308 | 0.013 | 0.415 | 0.059 |
| HAS02 | - | - | - | 6.340 | 0.554 |
| C02 | - | 19.672 | 0.447 | 24.382 | 0.554 |
| H2S | 4.260 | - | 2.760 | 0.136 | 0.004 |
| RN (*E-10 CURIE/L) | - | - | - | - | - |
| NA/K | 17.119 | 13.718 | 17.426 | 5.787 | |
| CA/(HC03+C03) | 0.538 | 0.030 | 0.388 | 0.471 | |
| MG/CA | 0.050 | 4.337 | 0.106 | 0.065 | |
| NA/CA | 10.570 | 17.775 | 10.616 | 0.686 | |
| CL/(HC03+C03) | 4.261 | 0.032 | 2.680 | 3.081 | |
| CL/F | 44.219 | - | 36.992 | 50.370 | |
| CL*100/(CL+S04+HC03+C03) | 65.015 | 2.942 | 56.096 | 61.073 | |
| S04*100/(CL+S04+HC03+C03) | 19.727 | 4.130 | 22.968 | 19.106 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.258 | 92.928 | 20.935 | 19.821 | |
| (NA+K)*100/(NA+K+CA+MG) | 91.423 | 78.133 | 91.030 | 43.026 | |
| CA*100/(NA+K+CA+MG) | 8.172 | 4.097 | 8.110 | 53.519 | |
| MG*100/(NA+K+CA+MG) | 0.405 | 17.770 | 0.861 | 3.455 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 84.742 | 7.072 | 79.065 | 80.179 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.258 | 92.928 | 20.935 | 19.821 | |
| (NA+K)*100/(NA+K+CA+MG) | 91.423 | 78.133 | 91.030 | 43.026 | |
| (CA+MG)*100/(NA+K+CA+MG) | 8.577 | 21.867 | 8.970 | 56.974 | |

第 8-2 表 八幡平北部地域水質一覧表 (つづき)

| | HNC 21 | HNC 22 | HNC 23 | HNC 24 |
|----------------------------------|---------|---------|---------|---------|
| NG | 34.0 | 52.0 | 54.0 | 52.0 |
| TEMP | 293.100 | 433.100 | 485.000 | 621.500 |
| TSM | 2.80 | 2.50 | 3.00 | 9.30 |
| PH(FD) | 2.80 | 2.70 | 2.70 | 9.20 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | 1.613 | 2.520 | 0.934 | 0.927 |
| K | 1.270 | 0.045 | 4.345 | 0.111 |
| NA | 5.900 | 14.600 | 30.225 | 1.315 |
| NH4 | | 0.364 | 0.020 | |
| CA | 13.440 | 18.000 | 22.867 | 1.141 |
| MG | 5.280 | 3.280 | 2.402 | 0.198 |
| FE | 1.420 | 1.630 | 0.058 | 0.021 |
| MN | 0.290 | 0.480 | 0.017 | |
| ZN | 0.033 | 0.060 | 0.002 | |
| CU | | 0.005 | 0.000 | |
| PB | | | | 0.030 |
| AL | 4.650 | 6.625 | 14.350 | 0.010 |
| CL | 13.190 | 23.650 | 49.700 | 0.020 |
| BR | | | | 0.000 |
| I | 0.110 | 0.110 | 0.300 | 0.006 |
| F | | | | 0.016 |
| OH | | | | 2.600 |
| S04 | 161.178 | 243.651 | 5.073 | 0.340 |
| S203 | 2.602 | 1.288 | 228.540 | 299.200 |
| HCO3 | | | 2.137 | |
| CO3 | | | | 41.680 |
| SI02 (MG/KG)(MMOL/KG) | | | | 0.164 |
| HB02 | 44.504 | 52.006 | 36.003 | 56.803 |
| H3PO4 | 19.720 | 44.700 | 0.450 | 0.010 |
| HAS02 | | | 0.194 | |
| CO2 | 0.119 | 0.374 | 0.003 | 0.002 |
| H2S | 142.600 | 229.300 | 79.200 | 0.002 |
| | 1.704 | 8.094 | 9.088 | 1.799 |
| RN (αF=10 CURIE/L) | | | | 0.267 |
| NA/K | 11.917 | 14.107 | 11.829 | 82.285 |
| CA/(HCO3+CO3) | | | | |
| MG/CA | 0.648 | 0.759 | 0.173 | |
| NA/CA | 0.577 | 0.707 | 1.152 | 0.745 |
| CL/(HCO3+CO3) | | | | 4.611 |
| CL/F | 64.260 | 115.414 | 88.781 | |
| CL*100/(CL+S04+HCO3+CO3) | | | | 8.188 |
| S04*100/(CL+S04+HCO3+CO3) | | | | 80.822 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | | | | 10.990 |
| (NA+K)*100/(NA+K+CA+MG) | 27.521 | 30.098 | 51.577 | |
| CA*100/(NA+K+CA+MG) | 43.984 | 39.749 | 41.273 | |
| MG*100/(NA+K+CA+MG) | 28.495 | 30.153 | 7.150 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | | | | 89.010 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | | | | 10.990 |
| (NA+K)*100/(NA+K+CA+MG) | 27.521 | 30.098 | 51.577 | |
| (CA+MG)*100/(NA+K+CA+MG) | 72.479 | 69.902 | 48.423 | |

第8-2表 八幡平北部地域水質一覽表 (つづき)

| NO | HNC 25 | | HNC 26 | | HNC 27 | | HNC 28 | |
|----------------------------------|---------|---------|----------|---------|---------|-------|---------|------|
| | 65.5 | 80.0 | 80.0 | 92.5 | 89.0 | 89.0 | 963.700 | 7.30 |
| TEMP | 645.000 | 877.800 | 1299.000 | 8.20 | 7.30 | 7.20 | | |
| TSM | 9.50 | 7.10 | 7.80 | | | | | |
| PH(FD) | 9.20 | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 3.500 | 0.080 | 0.293 | 26.500 | 17.000 | 0.435 | | |
| NA | 153.000 | 6.656 | 3.633 | 284.200 | 202.000 | 8.787 | | |
| NH4 | | | | 0.375 | 1.210 | 0.067 | | |
| CA | 28.450 | 1.420 | 0.945 | 28.020 | 20.010 | 0.998 | | |
| MG | 0.070 | 0.006 | 0.190 | 0.200 | 1.400 | 0.115 | | |
| FE | 0.070 | 0.003 | 0.012 | 0.260 | 0.140 | 0.005 | | |
| MN | | 0.217 | 0.008 | 0.006 | 0.080 | 0.003 | | |
| ZN | 0.010 | 0.000 | 0.003 | | 0.080 | 0.006 | | |
| CU | 0.010 | 0.000 | 0.002 | | 0.180 | 0.006 | | |
| PB | 0.020 | 0.000 | | | 0.040 | 0.001 | | |
| AL | 0.091 | 0.010 | 0.149 | 0.732 | | | | |
| CL | 22.450 | 0.633 | 5.702 | 319.800 | 237.400 | 6.697 | | |
| BR | 0.213 | 0.003 | 0.531 | 0.531 | 0.033 | 0.000 | | |
| I | | | 0.008 | 0.899 | | | | |
| F | 2.700 | 0.142 | 0.105 | 3.400 | 2.240 | 0.118 | | |
| OH | 0.544 | 0.032 | | 0.027 | 0.003 | 0.000 | | |
| S04 | 305.300 | 6.356 | 2.151 | 5.548 | 112.700 | 2.346 | | |
| S203 | 0.981 | 0.018 | 0.077 | 2.383 | 2.102 | 0.038 | | |
| HC03 | | | 2.121 | 211.800 | 46.990 | 0.770 | | |
| C03 | 5.980 | 0.199 | 0.003 | 1.977 | 0.054 | 0.002 | | |
| S102 (MG/KG) (MMOL/KG) | 70.000 | 1.166 | 1.873 | 175.606 | 130.298 | 2.169 | | |
| HB02 | | | 5.323 | 311.162 | 262.911 | 6.000 | | |
| H3PO4 | | | | | 0.163 | 0.032 | | |
| HAS02 | 0.007 | 0.000 | 0.040 | 3.496 | 7.922 | 0.073 | | |
| C02 | 0.025 | 0.001 | 0.561 | 3.217 | 5.646 | 0.128 | | |
| H2S | 0.597 | 0.018 | 0.006 | 1.019 | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 74.338 | | 29.459 | 16.954 | 20.207 | | | |
| CA/(HC03+C03) | | | 0.445 | 0.396 | 1.293 | | | |
| MG/CA | 0.004 | | 0.201 | 0.012 | 0.115 | | | |
| NA/CA | 4.689 | | 9.137 | 8.220 | 8.800 | | | |
| CL/(HC03+C03) | | | 2.685 | 2.558 | 8.675 | | | |
| CL/F | 4.456 | | 54.132 | 50.407 | 56.796 | | | |
| CL*100/(CL+S04+HC03+C03) | | | 57.153 | 70.769 | 68.230 | | | |
| S04*100/(CL+S04+HC03+C03) | | | 21.557 | 1.559 | 23.905 | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | 21.290 | 27.671 | 7.865 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 82.554 | | 88.720 | 89.587 | 89.225 | | | |
| CA*100/(NA+K+CA+MG) | 17.375 | | 9.391 | 10.292 | 9.661 | | | |
| MG*100/(NA+K+CA+MG) | 0.071 | | 1.889 | 0.121 | 1.115 | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | | | 78.710 | 72.329 | 92.135 | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | 21.290 | 27.671 | 7.865 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 32.554 | | 88.720 | 89.587 | 89.225 | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 17.446 | | 11.280 | 10.413 | 10.775 | | | |

※8-2表 八幡平北部地域水質一覧表(つづき)

HNC 29
95.0
1087.50
8.20
8.10

| | | | |
|----------------------------------|---------|--------|--------|
| NO | | | |
| TEMP | | | |
| TSM | | | |
| PH(FD) | | | |
| PH(LR) | | | |
| H (MG/KG)(MVAL/KG) | | | |
| K | 33.300 | | 0.252 |
| NA | 236.400 | | 10.283 |
| NH4 | 0.557 | | 0.031 |
| CA | 27.852 | | 1.390 |
| MG | 0.109 | | 0.009 |
| FE | 0.090 | | 0.003 |
| MN | - | | - |
| ZN | - | | - |
| CU | - | | - |
| PR | - | | - |
| AL | 2.861 | | 0.316 |
| CL | 200.722 | | 8.202 |
| BR | - | | - |
| I | - | | - |
| F | 3.400 | | 0.179 |
| OH | - | | - |
| S04 | 128.424 | | 2.674 |
| S203 | 1.425 | | 0.025 |
| HCO3 | 103.914 | | 1.703 |
| C03 | - | | - |
| SI02 (MG/KG)(MMOL/KG) | 111.963 | | 1.864 |
| HR02 | 0.500 | | 0.011 |
| H3PO4 | 0.102 | | 0.001 |
| HAS02 | 0.616 | | 0.006 |
| C02 | 4.225 | | 0.096 |
| H2S | 3.824 | | 0.114 |
| RN (*F=10 CURIE/L) | | | |
| NA/K | | 12.072 | |
| CA/(HCO3+C03) | | 7.816 | |
| MG/CA | | 0.006 | |
| NA/CA | | 7.398 | |
| CL/(HCO3+C03) | | 4.816 | |
| CL/F | | 45.826 | |
| CL*100/(CL+S04+HCO3+C03) | | 65.204 | |
| S04*100/(CL+S04+HCO3+C03) | | 21.256 | |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | | 13.540 | |
| (NA+K)*100/(NA+K+CA+MG) | | 38.838 | |
| CA*100/(NA+K+CA+MG) | | 11.090 | |
| MG*100/(NA+K+CA+MG) | | 0.072 | |
| (CL+S04)*100/(CL+S04+HCO3+C03) | | 86.460 | |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | | 13.540 | |
| (NA+K)*100/(NA+K+CA+MG) | | 38.838 | |
| (CA+MG)*100/(NA+K+CA+MG) | | 11.162 | |

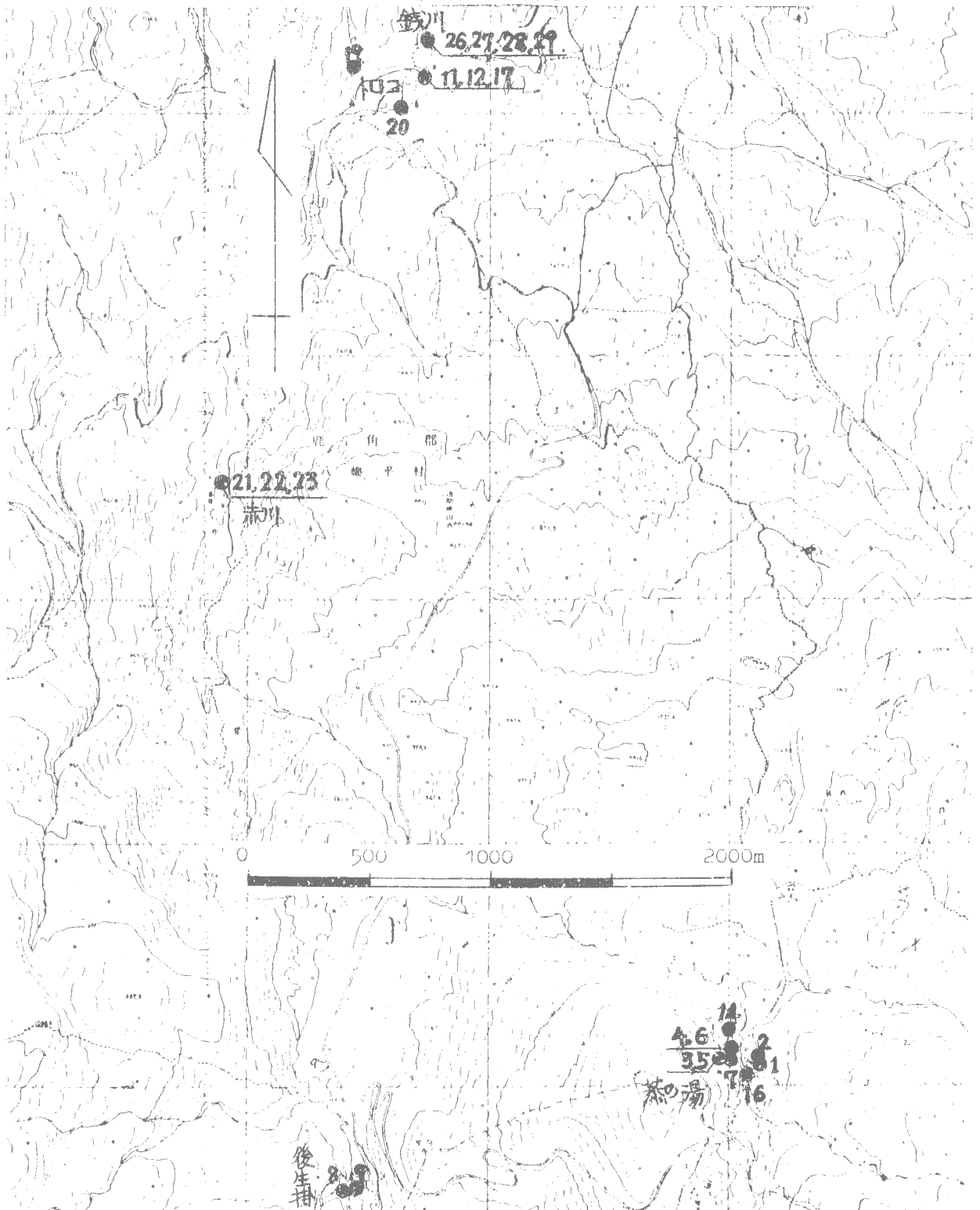
第 8-3 表 八幡平北部地域特定成分含量の頻度分布表

FREQUENCY DATA OF ZN, CU, PH, AS AND H2S

| Zn | N | F(%) | CU | N | F(%) |
|-----------|----|-------|--------|-------|-------|
| ND | 19 | 65.5 | ND | 14 | 48.3 |
| <0.500 | 10 | 34.5 | <0.500 | 13 | 44.8 |
| <5.000 | 0 | 0. | <3.000 | 2 | 6.9 |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 29 | 100.0 | TOTAL | 29 | 100.0 |
| | | | | | |
| PH | N | F(%) | AS | N | F(%) |
| ND | 25 | 86.7 | ND | 9 | 31.0 |
| <0.100 | 4 | 13.3 | <0.050 | 1 | 3.4 |
| <1.000 | 0 | 0. | <0.500 | 6 | 20.7 |
| >1.000 | 0 | 0. | <5.000 | 10 | 34.5 |
| | | | >5.000 | 5 | 17.3 |
| TOTAL | 29 | 100.0 | TOTAL | 29 | 100.0 |
| | | | | | |
| H2S | N | F(%) | N | F(%) | |
| ND | 2 | 27.3 | 49 | 100.0 | |
| < 1.000 | 7 | 24.1 | | | |
| < 10.000 | 10 | 41.5 | | | |
| < 100.000 | 2 | 6.5 | | | |
| > 100.000 | 0 | 0. | | | |
| TOTAL | 20 | 100.0 | | | |

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

第84図 試料採取地

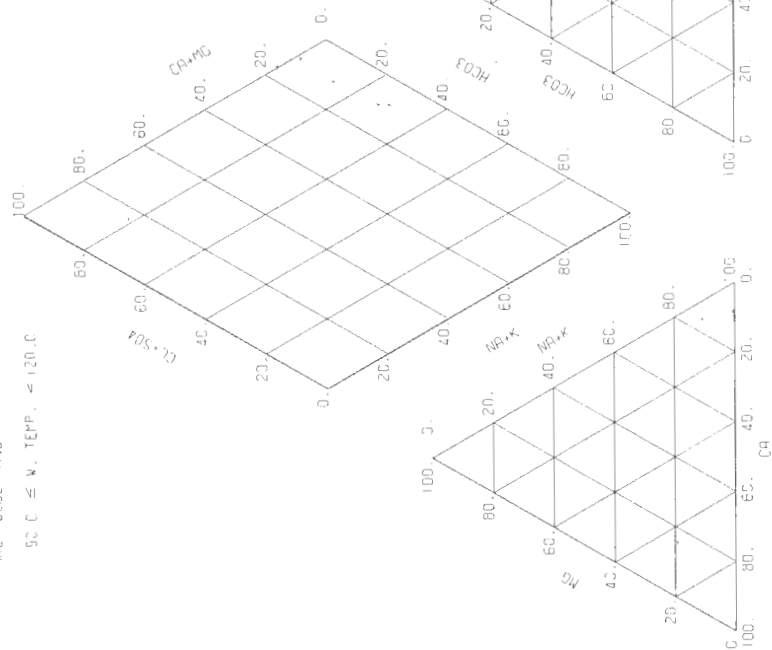


第 8-2 図 八幡平北部地域水質組成図 (その 3) (水温 90°C 以上 120°C 未満)

NORTH HACHIMANTAI

AREA CODE HMC

50°C ≤ W. TEMP. < 120.0°C

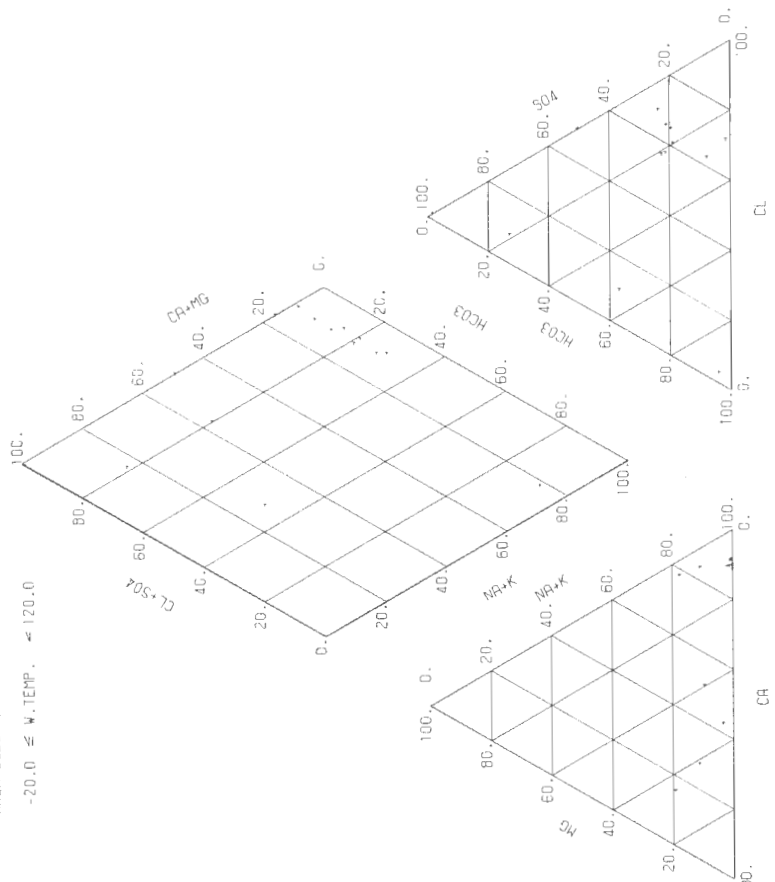


第 8-2 図 八幡平北部地域水質組成図 (その 4) (全試料)

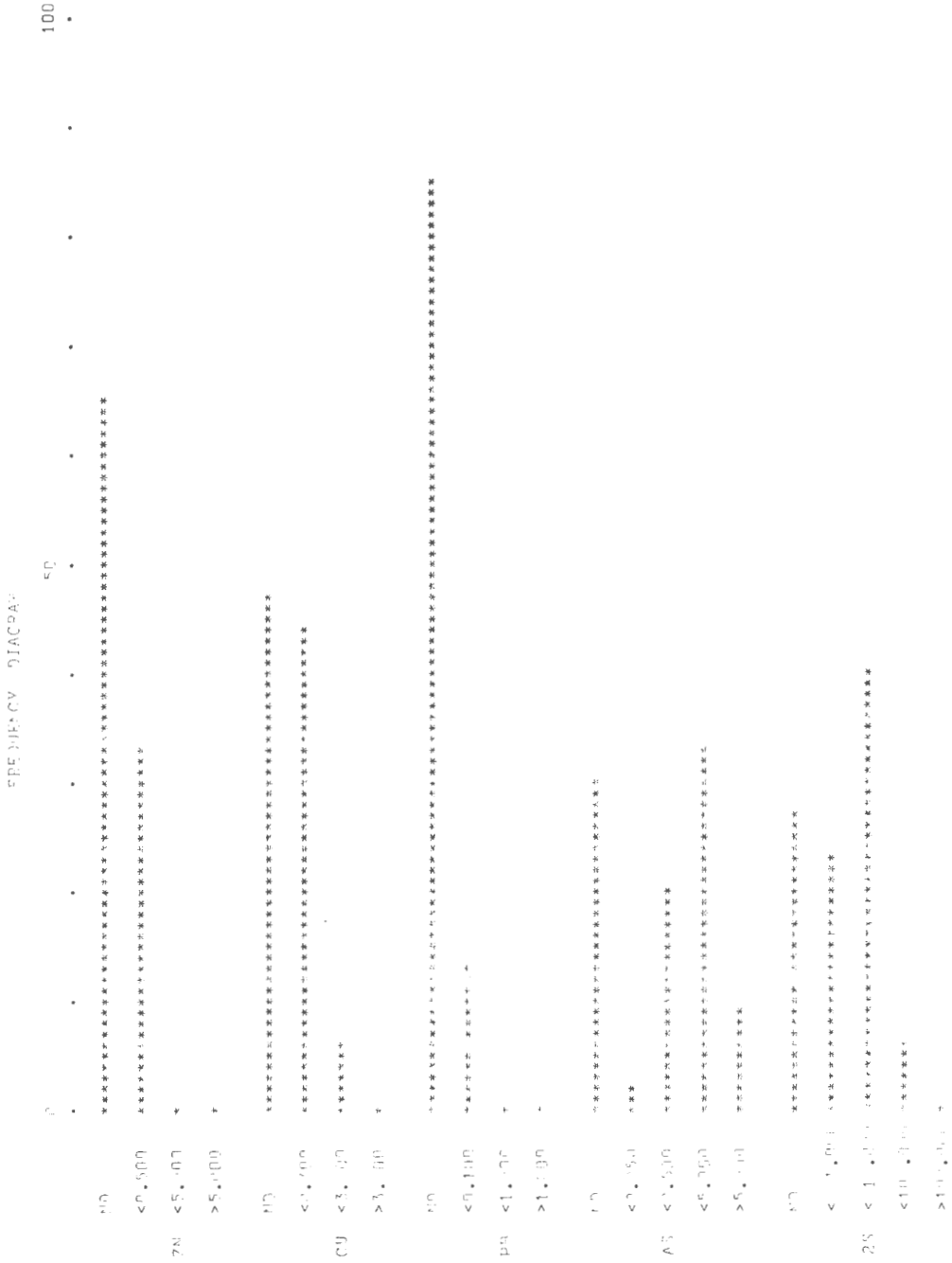
NORTH HACHIMANTAI

AREA CODE HMC

-20.0 ≤ W. TEMP. < 120.0



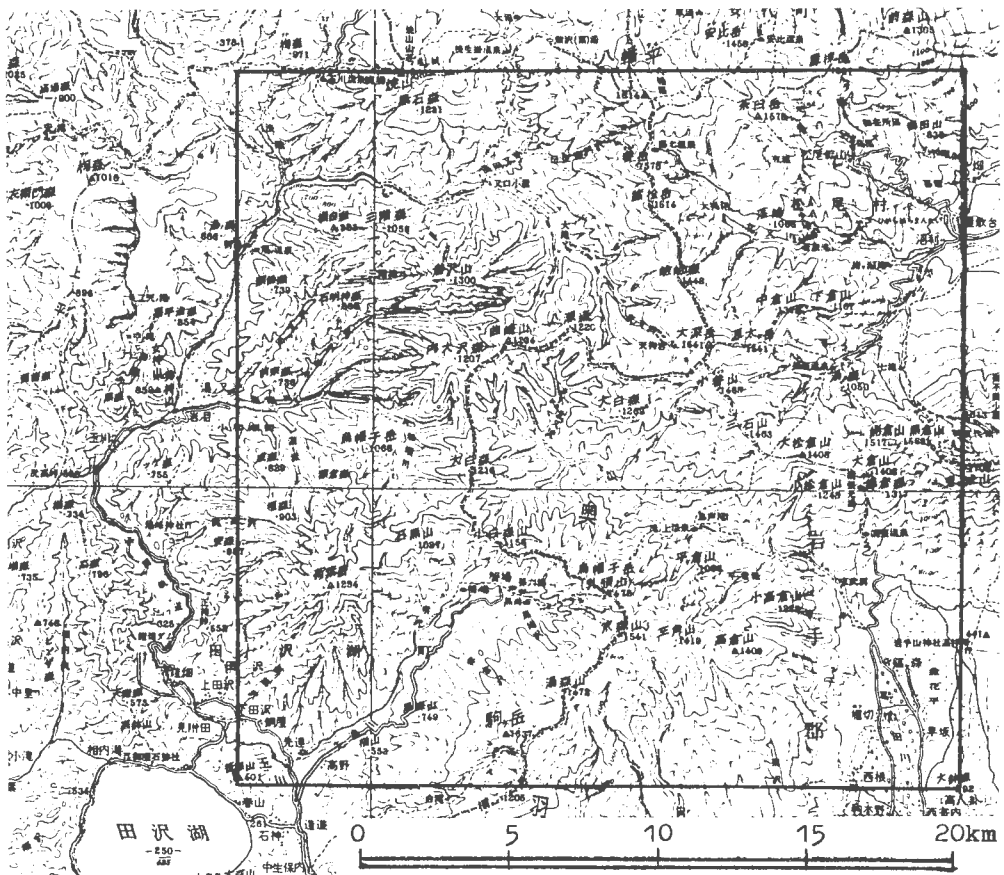
第8-3図 八幡平北部地域特定成分含量の頻度分布図



9. 八幡平南部 Southern part of Hachimantai

| | |
|-------|---------------------------------|
| 位置 | 岩手県岩手郡雫石町，同郡松尾村，秋田県仙北郡田沢湖町 |
| データ数 | 49 |
| 収集・整理 | 阿部智彦 |
| 協力 | 岩手県衛生研究所，秋田県衛生科学研究所，東日本重化学工業(株) |

調査位置図（20万分の1地勢図 秋田）



第9-1表 八幡平南部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-------------------------|-------|---------|------------|-------|------------|---------------|
| HSC-1 | 岩手県岩手郡松尾村 | 七滝温泉 | 一号泉 | 1953.10.21 | 19 | 41 | F |
| "-2 | " " " " " " " " " " " " | 青倉温泉 | 青倉の湯 | 1962. 9.26 | " | 2336, 2337 | F, Q=204.4l/m |
| "-3 | " " " " " " " " " " " " | 網張温泉 | 犬倉元湯 | 1971. 7.20 | " | 781, 782 | F |
| "-4 | " " " " " " " " " " " " | 玄武温泉 | 二号泉 | " 12. 6 | " | 1697, 1698 | P, Q=90l/m, X |
| "-5 | " " " " " " " " " " " " | 滝の上温泉 | 一号泉 | 1954. 7.27 | " | | F |
| "-6 | " " " " " " " " " " " " | " | 二号泉 | " 7.27 | " | | F |
| "-7 | " " " " " " " " " " " " | " | 荒湯 | 1952.10. 7 | " | | F, Q=50l/m |
| "-8 | " " " " " " " " " " " " | " | 鳥越の湯 | 1955. 8.22 | " | 988 | F, Q=20l/m |
| "-9 | " " " " " " " " " " " " | " | ラジウムの湯 | 1954.10. 7 | " | | F |
| "-10 | " " " " " " " " " " " " | " | 高倉の湯 | " 10. 8 | " | | F, Q=20l/m |
| "-11 | " " " " " " " " " " " " | " | 小鍋の湯 | 1955. 8.22 | " | 1081 | F, Q=2l/m |
| "-12 | " " " " " " " " " " " " | " | 薬師の湯 | " 8.22 | " | 833 | F, Q=54l/m |
| "-13 | " " " " " " " " " " " " | " | 小松の湯 | " 8.22 | " | 832 | F, Q=20l/m |
| "-14 | " " " " " " " " " " " " | " | 振興の湯 | 1962. 5.11 | " | 540, 541 | Q=60l/m |
| "-15 | " " " " " " " " " " " " | " | 幸の湯 | 1956. 7. 2 | " | 441, 442 | F |
| "-16 | " " " " " " " " " " " " | " | 試雑201号井 | 1973. 9.21 | " | 877, 878 | F, Q=900l/m |
| "-17 | " " " " " " " " " " " " | " | 試雑205号井 | " 9.21 | " | | F, Q=490l/m |
| "-18 | 秋田県仙北郡田沢湖町先達沢の内唐子 | 孫六温泉 | | 1954.10. 5 | 1 | 70 | Q=5.1l/m |
| "-19 | " " " " " " " " " " " " | " | 新湯 | 1955.10.11 | " | 101 | Q=8.6l/m |
| "-20 | " " " " " " " " " " " " | " | 妹湯 | " 10.11 | " | 102 | |
| "-21 | " " " " " " " " " " " " | 大釜温泉 | | 1960. 6.11 | " | 185 | |
| "-22 | " " " " " " " " " " " " | 乳頭温泉 | から吹湯 | 1965. 4.20 | " | 214 | |
| "-23 | " " " " " " " " " " " " | " | 駒草荘 | 1960. 6.10 | " | 184 | |
| "-24 | " " " " " " " " " " " " | 奥水沢温泉 | | 1962. 7. 5 | " | 197 | |
| "-25 | " " " " " " " " " " " " | 乳頭温泉 | | 1956. 5.23 | " | 121 | |
| "-26 | " " " " " " " " " " " " | 妙湯温泉 | | 1956. 5.23 | " | 120 | |
| "-27 | " " " " " " " " " " " " | 大釜温泉 | | 1959. 5. 1 | " | 162 | |
| "-28 | " " " " " " " " " " " " | | パークライン | 1965. 8. 7 | " | 218 | |
| "-29 | " " " " " " " " " " " " | 乳頭温泉 | | 1966. 3. 3 | " | 228 | |
| "-30 | " " " " " " " " " " " " | 水沢温泉 | | 1971. 8.30 | " | 305 | |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|----------------------|-------|------|--------------|-------|----------------|----|
| HSC-31 | 秋田県仙北郡田沢湖町生保内字駒ヶ岳2地内 | | 赤倉沢 | 1972. 6. 12 | 1 | 315 | |
| " | " | | 石倉 | " 7. 31 | " | 322 | |
| " | " | 鳩の湯温泉 | | 1966. 9. 27 | " | 232 | |
| " | 田沢字大深沢国有林 | " | | 1953. 11. 6 | " | 59 | |
| " | 大深沢国有林28林班 | 大釜温泉 | 戸村 | 1958. 9. 6 | " | 158 | |
| " | 田沢字先達沢国有林23林班 | 鶴の湯温泉 | 黒湯 | 1955. 10. 10 | " | 110 | |
| " | 字寺下26 | " | 鶴の湯 | 1954. 10. 4 | " | 71 | |
| " | 字先達沢 | | | | | | |
| " | 国有林24林班ス | | | | | | |
| " | " | " | 滝の湯 | 1956. 5. 24 | " | 128 | |
| " | " | " | 白湯 | 1972. 7. 31 | " | 323 | |
| " | " | " | | 1972. 10. 6 | " | 333 | |
| " | 字大深沢国有林内 | 大深温泉 | 大噴の湯 | 1954. 8. 14 | " | 160 | |
| " | 玉川字波黒番外地 | 玉川温泉 | 王川 | 1953. 9. 9 | " | 54 | |
| " | 国有林小学或分 | " | 笹の湯 | 1959. 8. 19 | " | 175 | |
| " | 田沢字大深沢国有林内 | 大深温泉 | | " 8. 19 | " | 174 | |
| " | " | " | | 1956. 9. 4 | " | 131 | |
| " | 玉川字横部沢 | | | | | | |
| " | 国有林岩立沢33林班へ | 玉川温泉 | 芍薬の湯 | " 11. 9 | " | 147 | |
| " | 字波黒沢 | | | | | | |
| " | 国有林玉川30林班ト | | | | | | |
| " | " 番外地 | 玉川温泉 | 大噴の湯 | 1970. 7. 21 | " | 290 | |
| " | 田沢字先達沢 | 蟹場温泉 | | 1954. 10. 6 | " | 73 | |
| " | 国有林24林班ト | | | | | | |
| " | " | " | 唐子 | 1955. 10. 12 | " | 104 | |

備考のFは自噴, Qは水量 (l/m), Xは源泉位置不明を示す.

第 9-2 表 八幡平南部地域水質一覽表

| | HSC 1 | HSC 2 | HSC 3 | HSC 4 |
|----------------------------------|----------|---------|---------|---------|
| NO | 65.0 | 48.5 | 62.0 | 25.8 |
| TEMP | 19.6 | 11.0 | 18.2 | 810.400 |
| TSM | 4.10 | 7.20 | 3.80 | 8.30 |
| PH(F/D) | — | — | — | 8.30 |
| PH(EL) | — | — | — | — |
| H (MG/KC) (MVAL/F/C) | — | — | 0.161 | — |
| K | 21.550 | 12.000 | 0.740 | 14.750 |
| NA | 156.050 | 156.000 | 3.800 | 0.019 |
| NP4 | — | — | 8.000 | 185.000 |
| CA | 42.140 | 18.460 | 0.211 | 0.0 |
| MG | 50.750 | 23.000 | 8.800 | 20.900 |
| FF | 174.000 | 4.176 | 2.320 | 21.230 |
| MN | 4.500 | 0.090 | 2.200 | 0.080 |
| ZN | — | — | 0.075 | 0.053 |
| CU | — | — | 0.0 | — |
| PH | — | — | — | — |
| AL | 64.200 | 55.300 | 4.462 | 0.052 |
| CL | 203.800 | 11.550 | 2.983 | 92.420 |
| BP | — | — | 0.0 | — |
| I | — | — | 0.0 | — |
| F | — | 2.300 | 0.145 | 0.008 |
| OH | — | — | — | 0.070 |
| S04 | 1054.470 | 156.990 | 81.195 | 0.034 |
| S203 | — | — | 0.090 | 30.620 |
| HCO3 | — | 768.400 | 0.000 | 457.300 |
| CO3 | — | — | 0.0 | 5.400 |
| SI02 (MG/L) (MMOL/KC) | 213.819 | 34.003 | 41.004 | 100.328 |
| HR02 | 21.200 | 17.700 | — | — |
| H3P04 | — | — | — | — |
| HAS02 | — | — | — | — |
| CO2 | — | 27.990 | 301.600 | 0.019 |
| H2S | 0.870 | 1.570 | 99.420 | 5.498 |
| RN (*F-10 CURIE/L) | — | 2.900 | 1.150 | — |
| NA/K | 12.297 | 26.358 | 8.733 | 21.329 |
| CA/(HCO3+CO3) | — | 0.073 | — | 0.133 |
| MG/CA | 1.019 | 2.055 | 0.435 | 1.718 |
| NA/CA | 1.656 | 8.784 | 0.376 | 7.906 |
| CL/(HCO3+CO3) | — | 0.026 | — | 0.340 |
| CL/F | — | 2.691 | 11.025 | 707.547 |
| CL*10/(CL+S04+HCO3+CO3) | — | 2.013 | 4.742 | 23.876 |
| S04*10/(CL+S04+HCO3+CO3) | — | 20.191 | 95.258 | 5.838 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 77.797 | 0.0 | 70.286 |
| (NA+K)*10/(NA+K+CA+MG) | 47.007 | 74.903 | 22.625 | 75.279 |
| CA*10/(NA+K+CA+MG) | 26.209 | 8.216 | 53.929 | 9.096 |
| MG*10/(NA+K+CA+MG) | 26.745 | 16.881 | 23.446 | 15.625 |
| (CL+S04)*10/(CL+S04+HCO3+CO3) | — | 22.203 | 100.000 | 29.714 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 77.797 | 0.0 | 70.286 |
| (NA+K)*100/(NA+K+CA+MG) | 47.007 | 74.903 | 22.625 | 75.279 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.993 | 25.097 | 77.375 | 24.721 |

第9-2表 八幡平南部地域水質一覽表(つづき)

| NO | HSC 5 | HSC 6 | HSC 7 | HSC 8 |
|----------------------------------|---------|----------|----------|---------|
| TEMP | 57.0 | 77.0 | 94.0 | 62.5 |
| TSM | 538.400 | 1143.400 | 1166.000 | 729.600 |
| PH(FD) | 7.70 | 2.60 | 8.00 | 7.10 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 11.130 | 1.630 | 0.718 | 10.900 |
| NA | 63.980 | 1.430 | 0.037 | 136.700 |
| NH4 | - | 36.010 | 238.870 | - |
| CA | 35.860 | 1.789 | 0.698 | 35.650 |
| MG | 1.920 | 35.030 | 13.990 | 2.020 |
| FE | 2.120 | 12.400 | 4.710 | 1.600 |
| MN | - | 21.600 | 0.240 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 5.000 | 0.050 | 0.150 |
| CL | 106.380 | 3.001 | 0.200 | 193.960 |
| BR | - | 7.090 | 288.970 | - |
| I | - | - | - | - |
| F | 1.400 | 0.100 | 0.005 | 1.140 |
| OH | - | - | - | - |
| SO4 | 32.870 | 685.546 | 74.800 | 86.350 |
| S2O3 | - | - | - | - |
| HCO3 | 76.860 | 1.260 | 152.330 | 63.000 |
| CO3 | - | - | 2.497 | - |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 106.610 | 1.775 | 5.846 | 1.743 |
| H3PO4 | 11.350 | 0.259 | - | 1.107 |
| HAS02 | 1.562 | 0.016 | - | - |
| CO2 | 3.920 | 0.089 | - | 7.950 |
| H2S | 13.510 | 0.397 | 4.710 | 2.210 |
| RN (*E-10 CURIE/L) | - | 33.560 | - | 2.470 |
| NA/K | 9.775 | 42.823 | 14.466 | 21.639 |
| CA/(HCO3+CO3) | 1.420 | - | 0.280 | 1.723 |
| MG/CA | 0.088 | 0.584 | 0.555 | 0.093 |
| NA/CA | 1.555 | 0.896 | 14.884 | 3.392 |
| CL/(HCO3+CO3) | 2.332 | - | 3.265 | 5.299 |
| CL/F | 40.721 | 37.996 | - | 91.179 |
| CL*100/(CL+S04+HCO3+CO3) | 60.686 | - | 66.786 | 65.907 |
| S04*100/(CL+S04+HCO3+CO3) | 13.839 | - | 12.759 | 21.655 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 55.475 | - | 20.455 | 12.438 |
| (NA+K)*100/(NA+K+CA+MG) | 61.170 | 36.670 | 91.097 | 76.444 |
| CA*100/(NA+K+CA+MG) | 35.679 | 39.987 | 5.725 | 21.543 |
| MG*100/(NA+K+CA+MG) | 3.150 | 23.343 | 3.178 | 2.013 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 74.525 | - | 79.545 | 87.562 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 25.475 | - | 20.455 | 12.438 |
| (NA+K)*100/(NA+K+CA+MG) | 61.170 | 36.670 | 91.097 | 76.444 |
| (CA+MG)*100/(NA+K+CA+MG) | 38.830 | 63.330 | 8.903 | 23.556 |

第9-2表 八幡平南部地域水質一覧表 (つづき)

| | HSC 9 | HSC 10 | HSC 11 | HSC 12 |
|----------------------------------|----------|---------|----------|---------|
| NO | 56.0 | 50.0 | 82.0 | 76.5 |
| TEMP | 1463.000 | 956.000 | 1221.000 | 755.400 |
| TSM | 3.00 | 7.80 | 8.20 | 3.80 |
| PH(FD) | | | | |
| PH(LR) | | | | |
| H (MG/KG)(MVAL/KG) | 0.880 | 0.873 | | 0.496 |
| K | 3.400 | 0.087 | 29.720 | 0.760 |
| NA | 30.420 | 1.323 | 316.710 | 13.777 |
| NR4 | | | | |
| CA | 58.490 | 2.919 | 19.600 | 0.978 |
| MG | 6.990 | 0.575 | 2.400 | 0.197 |
| FE | 126.000 | 4.512 | 1.750 | 0.063 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PP | | | | |
| AL | 52.680 | 5.857 | 0.150 | 0.017 |
| CL | 3.900 | 0.110 | 478.710 | 13.504 |
| BR | | | | |
| I | | | | |
| F | 0.300 | 0.016 | 3.350 | 0.176 |
| OH | | | | |
| S04 | 954.677 | 17.794 | 86.540 | 1.803 |
| S203 | | | | |
| HC03 | | | | |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 252.207 | 4.199 | 204.895 | 3.412 |
| HB02 | | | 32.500 | 0.742 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 4.300 | 0.126 | 0.580 | 0.017 |
| RN (*E-10 CURIE/L) | | | 1.500 | 14.440 |
| NA/K | 15.215 | 26.410 | 18.122 | 16.754 |
| CA/(HC03+C03) | | 0.074 | 4.891 | |
| MG/CA | 0.197 | 1.155 | 0.202 | 0.714 |
| NA/CA | 0.453 | 18.907 | 14.086 | 9.694 |
| CL/(HC03+C03) | | 0.485 | 67.536 | |
| CL/F | 6.967 | | 76.580 | |
| CL*100/(CL+S04+HC03+C03) | | 30.666 | 87.086 | |
| S04*100/(CL+S04+HC03+C03) | | 6.135 | 11.624 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 63.199 | 1.289 | |
| (NA+K)*100/(NA+K+CA+MG) | 22.756 | 90.106 | 92.519 | 85.701 |
| CA*100/(NA+K+CA+MG) | 59.515 | 4.592 | 6.225 | 8.343 |
| MG*100/(NA+K+CA+MG) | 11.729 | 5.302 | 1.257 | 5.956 |
| (CL+S04)*100/(CL+S04+HC03+C03) | | 36.801 | 96.711 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 63.199 | 1.289 | |
| (NA+K)*100/(NA+K+CA+MG) | 28.756 | 90.106 | 92.519 | 85.701 |
| (CA+MG)*100/(NA+K+CA+MG) | 71.244 | 9.894 | 7.481 | 14.299 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 13 | HSC 14 | HSC 15 | HSC 16 |
|----------------------------------|---------|----------|---------|----------|
| NO | 54.0 | 96.0 | 84.0 | 98.0 |
| TEMP | 530.200 | 1413.000 | 132.800 | 1911.000 |
| TSM | 2.90 | 8.50 | 2.70 | 9.00 |
| PH(FD) | - | - | - | 9.12 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | 1.670 | - | 1.420 | - |
| K | 11.340 | 30.000 | 1.250 | 58.000 |
| NA | 53.070 | 372.000 | 5.170 | 485.000 |
| NH4 | - | - | - | - |
| CA | 18.550 | 12.800 | 4.320 | 3.830 |
| MG | 1.060 | 3.160 | 2.000 | 3.730 |
| FE | 8.500 | 0.270 | 1.480 | 0.010 |
| MN | - | - | - | 0.007 |
| ZN | - | - | - | - |
| CU | - | - | - | 0.001 |
| PB | - | - | - | 0.000 |
| AL | 13.230 | 1.471 | 0.990 | 0.059 |
| CL | 9.930 | 580.320 | 3.550 | 600.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.400 | 1.440 | - | 4.000 |
| OH | - | 0.017 | - | 0.220 |
| S04 | 401.864 | 19.200 | 168.331 | 68.100 |
| S203 | - | - | - | - |
| HC03 | - | 58.940 | - | 118.600 |
| C03 | - | 1.150 | - | 8.740 |
| ST02 (MG/KG) (MMOL/KG) | 87.131 | 282.718 | 30.264 | 536.418 |
| HB02 | - | 95.140 | 29.790 | 74.121 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | 3.993 |
| C02 | - | - | - | 0.228 |
| H2S | 2.120 | 7.055 | 0.810 | 2.731 |
| RN (*F=10 CURTE/L) | 16.600 | 2.760 | 2.780 | 1.742 |
| NA/K | 7.958 | 21.087 | 7.033 | 14.220 |
| CA/(HC03+C03) | - | 0.636 | - | 0.086 |
| MG/CA | 0.094 | 0.407 | 0.763 | 1.606 |
| NA/CA | 2.494 | 25.335 | 1.043 | 110.390 |
| CL/(HC03+C03) | - | 16.300 | - | 7.583 |
| CL/F | 13.304 | 215.969 | - | 80.493 |
| CL*100/(CL+S04+HC03+C03) | - | 92.101 | - | 82.268 |
| S04*100/(CL+S04+HC03+C03) | - | 2.249 | - | 6.882 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 5.650 | - | 10.849 |
| (NA+K)*100/(NA+Y+CA+MG) | 71.954 | 94.964 | 40.324 | 97.842 |
| CA*100/(NA+Y+CA+MG) | 25.631 | 3.579 | 33.840 | 0.828 |
| MG*100/(NA+Y+CA+MG) | 2.415 | 1.457 | 25.836 | 1.330 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 94.350 | - | 89.151 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 5.650 | - | 10.849 |
| (NA+K)*100/(NA+Y+CA+MG) | 71.954 | 94.964 | 40.324 | 97.842 |
| (CA+MG)*100/(NA+K+CA+MG) | 28.046 | 5.036 | 59.876 | 2.158 |

第9-2表 八幡平南部地域水質一覽表 (つづき)

| | HSC 17 | HSC 18 | HSC 19 | HSC 20 |
|----------------------------------|----------|---------|---------|---------|
| NO | | | | |
| TEMP | 98.0 | 77.0 | 53.5 | 52.0 |
| TSM | 1912.000 | 774.600 | 656.000 | 388.000 |
| PH(FD) | 8.80 | 7.40 | 6.60 | 6.30 |
| PH(LR) | 9.00 | 7.68 | 6.40 | 7.10 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 56.000 | 1.432 | 0.194 | 0.161 |
| NA | 485.000 | 21.098 | 4.235 | 3.342 |
| NH4 | | | 89.534 | 52.100 |
| CA | 2.300 | 0.115 | 6.467 | — |
| MG | 3.070 | 0.249 | 0.343 | 0.278 |
| FE | 0.010 | 0.000 | 0.320 | 0.273 |
| MN | 0.003 | 0.000 | 0.052 | 0.002 |
| ZN | — | — | — | — |
| CU | 0.001 | — | — | — |
| PB | 0.003 | — | — | — |
| AL | 0.510 | 0.057 | 0.157 | 1.355 |
| CL | 611.750 | 17.256 | 181.747 | 12.136 |
| BP | — | — | — | — |
| I | — | — | — | — |
| F | 5.000 | 0.263 | — | 1.200 |
| OH | 0.170 | 0.010 | 1.100 | 0.058 |
| S04 | 64.610 | 1.345 | 2.562 | 2.647 |
| S203 | — | — | 0.037 | 0.060 |
| HCO3 | 103.000 | 1.588 | 3.680 | 2.573 |
| C03 | 64.034 | 0.203 | — | — |
| SI02 (MG/KG) (MMOL/KG) | 50.0691 | 9.003 | 1.124 | 42.327 |
| HB02 | 91.005 | 2.077 | 0.146 | 11.991 |
| H3P04 | — | — | — | 0.274 |
| HAS04 | 3.561 | 0.033 | — | 0.202 |
| CO2 | 1.248 | 0.006 | — | — |
| H2S | 2.727 | 0.080 | 2.750 | 56.157 |
| RN (*E-10) (NH4/L) | 1.037 | — | — | 3.203 |
| NA/K | 14.728 | 21.820 | 24.183 | 26.511 |
| CA/(HCO3+CO3) | 0.061 | 1.757 | 1.274 | — |
| MG/CA | 2.173 | 0.053 | 0.083 | — |
| NA/CA | 1.23.824 | 0.655 | 1.188 | — |
| CL/(HCO3+CO3) | 9.126 | 1.393 | 1.385 | 0.418 |
| CL/F | 65.563 | — | 61.537 | 12.652 |
| CL*100/(CL+S04+HCO3+CO3) | 74.208 | 45.097 | 40.566 | 16.524 |
| S04*100/(CL+S04+HCO3+CO3) | 6.564 | 22.532 | 30.139 | 43.960 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.228 | 32.371 | 29.295 | 39.516 |
| (NA+K)*100/(NA+K+CA+MG) | 98.410 | 39.404 | 53.318 | — |
| CA*100/(NA+K+CA+MG) | 0.501 | 57.543 | 43.090 | — |
| MG*100/(NA+K+CA+MG) | 1.089 | 3.053 | 3.592 | — |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 96.772 | 67.629 | 70.705 | 60.484 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.228 | 32.371 | 29.295 | 39.516 |
| (NA+K)*100/(NA+K+CA+MG) | 98.410 | 39.404 | 53.318 | — |
| (CA+MG)*100/(NA+K+CA+MG) | 1.590 | 60.596 | 46.882 | — |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 21 | HSC 22 | HSC 23 | HSC 24 |
|----------------------------------|---------|---------|---------|----------|
| NO | 98.0 | 51.0 | 90.0 | 38.0 |
| TEMP | 79.264 | 88.800 | 244.407 | 1506.500 |
| TSM | 3.00 | 5.18 | 5.70 | 6.60 |
| PH(FD) | 2.70 | 5.80 | 5.70 | 6.70 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | 2.016 | 0.950 | 0.002 | 0.002 |
| K | 31.343 | 0.802 | 2.002 | 15.415 |
| NA | 45.759 | 1.991 | 7.926 | 58.886 |
| NH4 | 1.211 | 0.067 | 2.013 | 0.112 |
| CA | 18.582 | 7.361 | 6.111 | 259.579 |
| MG | 5.573 | 0.459 | 2.786 | 68.494 |
| FF | 11.585 | 0.415 | 5.938 | 0.213 |
| MN | 0.059 | 0.025 | 0.065 | 0.001 |
| ZN | 0.016 | 0.001 | 0.016 | 0.001 |
| CU | 0.016 | 0.001 | 0.001 | 0.001 |
| PB | 5.221 | 0.090 | 3.420 | 61.356 |
| AL | 187.917 | 7.045 | 7.091 | 119.136 |
| CL | 1.439 | 0.018 | 0.020 | 0.089 |
| BR | 0.254 | 0.002 | 0.586 | 0.005 |
| I | 0.249 | 0.013 | 0.234 | 0.012 |
| F | 0.7.665 | 2.033 | 38.676 | 0.805 |
| OH | 1.682 | 0.030 | 0.017 | 0.000 |
| S04 | 29.575 | 0.485 | 36.562 | 0.599 |
| S203 | | | | |
| HC03 | | | | |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 248.418 | 17.803 | 71.002 | 156.136 |
| HB02 | 41.700 | 14.902 | 10.006 | 15.879 |
| H3P04 | | | | 2.068 |
| HAS02 | 1.522 | 0.007 | 0.000 | 0.021 |
| C02 | | 112.666 | 138.125 | 529.550 |
| H2S | | 0.215 | 5.047 | 60.710 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 2.483 | 9.208 | 6.733 | 6.496 |
| CA/(HC03+C03) | | 0.758 | 0.509 | 0.901 |
| MG/CA | 0.495 | 0.589 | 0.752 | 0.435 |
| NA/CA | 2.147 | 0.809 | 1.131 | 0.198 |
| CL/(HC03+C03) | | 0.410 | | 0.234 |
| CL/F | 404.440 | | | |
| CL*100/(CL+S04+HC03+C03) | | 20.366 | | 12.181 |
| S04*100/(CL+S04+HC03+C03) | | 29.892 | | 35.715 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 49.722 | | 52.103 |
| (NA+K)*100/(NA+K+CA+MG) | 66.831 | 29.820 | 42.571 | 13.719 |
| CA*100/(NA+K+CA+MG) | 22.193 | 44.154 | 32.782 | 60.120 |
| MG*100/(NA+K+CA+MG) | 10.976 | 26.026 | 24.647 | 26.161 |
| (CL+S04)*100/(CL+S04+HC03+C03) | | 50.278 | | 47.897 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 49.722 | | 52.103 |
| (NA+K)*100/(NA+K+CA+MG) | 66.831 | 29.820 | 42.571 | 13.719 |
| (CA+MG)*100/(NA+K+CA+MG) | 33.169 | 70.180 | 57.429 | 86.281 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 29 | | HSC 30 | | HSC 31 | | HSC 32 | |
|----------------------------------|---------|----------|----------|----------|----------|----------|----------|----------|
| NO | 54.0 | 33.5 | 29.0 | 24.5 | 29.0 | 24.5 | 29.0 | 24.5 |
| TEMP | 331.600 | 3255.000 | 2722.000 | 1046.000 | 2722.000 | 1046.000 | 2722.000 | 1046.000 |
| TSM | 6.00 | 6.30 | 6.40 | 6.30 | 6.40 | 6.30 | 6.40 | 6.30 |
| PH(FD) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 |
| PH(CLB) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 8.609 | 19.200 | 0.491 | 17.500 | 0.448 | 11.500 | 0.294 | 0.294 |
| NA | 35.590 | 392.000 | 17.052 | 725.000 | 31.538 | 285.000 | 12.398 | 12.398 |
| NR4 | 7.714 | 2.165 | 0.120 | 3.750 | 0.208 | 2.500 | 0.139 | 0.139 |
| CA | 30.315 | 280.400 | 13.992 | 134.400 | 6.707 | 22.870 | 1.141 | 1.141 |
| MG | 12.518 | 161.000 | 13.496 | 76.800 | 6.320 | 31.500 | 2.592 | 2.592 |
| FE | 9.094 | 0.090 | 0.003 | 0.060 | 0.002 | 0.045 | 0.008 | 0.008 |
| MN | 1.189 | 1.950 | 0.071 | 0.071 | 0.225 | 0.008 | 0.008 | 0.008 |
| ZN | 0.219 | 0.015 | 0.000 | 0.020 | 0.001 | 0.100 | 0.003 | 0.003 |
| CU | 0.075 | 0.075 | 0.001 | 0.020 | 0.001 | 0.009 | 0.000 | 0.000 |
| PB | 0.075 | 0.060 | 0.007 | 0.220 | 0.024 | 0.130 | 0.014 | 0.014 |
| AL | 11.237 | 2.361 | 0.007 | 0.220 | 0.024 | 0.130 | 0.014 | 0.014 |
| CL | 10.638 | 0.300 | 4.584 | 533.000 | 15.036 | 173.400 | 4.892 | 4.892 |
| BR | 9.400 | 0.005 | 0.003 | 0.400 | 0.005 | 0.251 | 0.003 | 0.003 |
| I | 0.600 | 0.138 | 0.001 | 0.655 | 0.005 | 0.175 | 0.001 | 0.001 |
| F | 0.600 | 0.255 | 0.014 | 0.655 | 0.005 | 0.175 | 0.001 | 0.001 |
| OH | 0.600 | 0.014 | 0.014 | 0.655 | 0.005 | 0.175 | 0.001 | 0.001 |
| S04 | 1.7575 | 2.240 | 14.782 | 12.350 | 0.257 | 11.030 | 0.230 | 0.230 |
| S203 | 1.752 | 0.031 | 0.031 | 1.752 | 0.031 | 1.752 | 0.031 | 0.031 |
| HC03 | 231.350 | 3.792 | 25.454 | 184.100 | 3.017 | 701.700 | 11.501 | 11.501 |
| CO3 | 231.350 | 3.792 | 25.454 | 184.100 | 3.017 | 701.700 | 11.501 | 11.501 |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| SI02 | 114.806 | 1.212 | 1.339 | 120.213 | 2.002 | 58.002 | 0.966 | 0.966 |
| HB02 | 8.766 | 0.200 | 1.800 | 46.015 | 1.050 | 39.447 | 0.900 | 0.900 |
| H3PO4 | 0.284 | 0.003 | 0.968 | 0.968 | 0.010 | 0.010 | 0.010 | 0.010 |
| HAS02 | 0.284 | 0.003 | 0.968 | 0.968 | 0.010 | 0.010 | 0.010 | 0.010 |
| CO2 | 264.434 | 6.008 | 18.019 | 1416.000 | 32.172 | 843.500 | 19.164 | 19.164 |
| H2S | 264.434 | 6.008 | 18.019 | 1416.000 | 32.172 | 843.500 | 19.164 | 19.164 |
| RN (*F=10 CURIE/L) | | | | | | | | |
| NA/K | 4.620 | 34.720 | 70.451 | 42.144 | 70.451 | 42.144 | 70.451 | 42.144 |
| CA/(HC03+CO3) | 0.399 | 0.550 | 2.223 | 0.099 | 2.223 | 0.099 | 2.223 | 0.099 |
| MG/CA | 0.681 | 0.942 | 0.942 | 2.271 | 0.942 | 2.271 | 0.942 | 2.271 |
| NA/CA | 0.673 | 1.219 | 4.702 | 10.863 | 4.702 | 10.863 | 4.702 | 10.863 |
| CL/(HC03+CO3) | 0.079 | 0.180 | 4.983 | 0.425 | 4.983 | 0.425 | 4.983 | 0.425 |
| CL/F | 0.079 | 328.621 | 4.983 | 0.425 | 4.983 | 0.425 | 4.983 | 0.425 |
| CL*100/(CL+S04+HC03+CO3) | 4.740 | 10.228 | 82.117 | 29.428 | 82.117 | 29.428 | 82.117 | 29.428 |
| S04*100/(CL+S04+HC03+CO3) | 35.373 | 32.981 | 1.404 | 1.382 | 1.404 | 1.382 | 1.404 | 1.382 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 59.837 | 56.791 | 16.479 | 69.190 | 16.479 | 69.190 | 16.479 | 69.190 |
| (NA+K)*100/(NA+K+CA+MG) | 32.739 | 36.958 | 71.060 | 77.270 | 71.060 | 77.270 | 71.060 | 77.270 |
| CA*100/(NA+K+CA+MG) | 40.014 | 31.072 | 14.900 | 6.948 | 14.900 | 6.948 | 14.900 | 6.948 |
| MG*100/(NA+K+CA+MG) | 27.248 | 29.970 | 14.041 | 15.782 | 14.041 | 15.782 | 14.041 | 15.782 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 40.113 | 43.209 | 83.521 | 30.810 | 83.521 | 30.810 | 83.521 | 30.810 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 59.837 | 56.791 | 16.479 | 69.190 | 16.479 | 69.190 | 16.479 | 69.190 |
| (NA+K)*100/(NA+K+CA+MG) | 32.739 | 36.958 | 71.060 | 77.270 | 71.060 | 77.270 | 71.060 | 77.270 |
| (CA+MG)*100/(NA+K+CA+MG) | 57.261 | 61.042 | 28.940 | 22.730 | 28.940 | 22.730 | 28.940 | 22.730 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 33 | HSC 34 | HSC 35 | HSC 36 |
|----------------------------------|---------|----------|---------|----------|
| NO | 51.0 | 86.0 | 57.0 | 62.0 |
| TEMP | 533.472 | 3731.500 | 608.096 | 2916.352 |
| TSM | 7.00 | — | 7.40 | 7.00 |
| PH(CD) | 7.40 | 1.80 | 7.30 | 7.44 |
| PH(LB) | — | — | — | — |
| H (MG/KG)(VAL/KG) | — | — | — | — |
| K | 2.700 | 13.893 | 10.713 | 18.558 |
| NA | 126.175 | 2.938 | 54.954 | 604.258 |
| NH4 | — | 16.530 | 0.719 | 2.390 |
| CA | 27.159 | — | 0.406 | 0.023 |
| MG | 0.927 | 10.714 | 73.375 | 240.720 |
| FF | 0.014 | — | 3.661 | 12.012 |
| MN | — | 229.962 | 17.553 | 68.164 |
| ZN | — | 5.707 | 0.272 | 0.609 |
| CU | — | 1.092 | 0.010 | 0.002 |
| PB | 0.032 | 0.033 | 0.706 | — |
| AL | 29.278 | — | — | — |
| CL | — | 200.765 | 2.338 | 0.113 |
| BR | 138.282 | 78.005 | 77.098 | 992.768 |
| I | — | — | — | — |
| F | 1.000 | — | 0.300 | — |
| OH | — | 0.660 | 0.016 | — |
| S04 | 136.015 | — | — | — |
| S203 | 8.163 | 2760.963 | 57.483 | 242.373 |
| HC03 | 164.751 | 1.091 | 209.431 | 25.693 |
| C03 | — | — | 93.846 | 658.750 |
| SI02 (MG/KG)(MMOL/KG) | — | — | — | — |
| HR02 | 68.632 | 292.519 | 59.975 | 29.403 |
| H3P04 | 39.997 | — | 9.037 | — |
| HAS02 | — | 1.570 | 0.206 | 0.105 |
| CO2 | — | — | — | — |
| CO2 | 39.605 | — | 6.873 | 681.979 |
| H2S | 41.751 | 0.290 | 0.156 | 16.323 |
| RN (*F-10 CURT/L) | — | — | — | — |
| NA/K | 79.469 | 9.568 | 8.723 | 55.371 |
| CA/(HC03+C03) | 0.502 | — | 2.380 | 1.113 |
| MG/CA | 0.056 | — | 0.395 | 0.467 |
| NA/CA | 4.050 | 1.345 | 0.653 | 2.188 |
| CL/(HC03+C03) | 1.445 | — | 1.414 | 2.594 |
| CL/F | 74.106 | 63.338 | 137.724 | — |
| CL*100/(CL+S04+HC03+C03) | 41.354 | — | 26.939 | 63.869 |
| S04*100/(CL+S04+HC03+C03) | 30.020 | — | 54.009 | 11.508 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.626 | — | 19.052 | 24.623 |
| (NA+K)*100/(NA+K+CA+MG) | 79.518 | — | 34.291 | 60.296 |
| CA*100/(NA+K+CA+MG) | 19.390 | — | 47.120 | 27.065 |
| MG*100/(NA+K+CA+MG) | 1.091 | — | 18.589 | 12.639 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 71.374 | — | 80.948 | 75.377 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.626 | — | 19.052 | 24.623 |
| (NA+K)*100/(NA+K+CA+MG) | 79.518 | — | 34.291 | 60.296 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.482 | — | 65.709 | 39.704 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 37 | HSC 38 | HSC 39 | HSC 40 |
|----------------------------------|----------|----------|----------|--------|
| NO | 60.5 | 54.0 | 59.5 | 70.5 |
| TEMP | 24.9.630 | 2356.740 | 2422.000 | 63.990 |
| TSM | 6.40 | 6.20 | 6.50 | 6.00 |
| PH(FD) | 6.83 | 6.40 | 6.70 | 6.20 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 177.583 | 4.543 | 21.000 | 1.000 |
| NA | 455.591 | 19.818 | 650.000 | 3.200 |
| NH4 | | | 0.050 | 0.250 |
| CA | 167.070 | 8.337 | 176.200 | 6.861 |
| MG | 43.162 | 3.552 | 50.000 | 3.180 |
| FE | 0.080 | 0.003 | 0.045 | 0.072 |
| MN | 1.106 | 0.040 | 1.100 | 0.003 |
| ZN | | | 0.240 | |
| CU | | | 0.007 | |
| PB | | | 0.000 | |
| AL | 35.629 | 3.962 | 0.055 | 0.523 |
| CL | 686.960 | 19.379 | 708.100 | |
| BR | | | 1.232 | 0.200 |
| I | | | 0.601 | |
| F | | | 1.703 | 0.077 |
| OH | | | | |
| S04 | 222.083 | 5.873 | 320.000 | 12.670 |
| S203 | 4.139 | 0.075 | 7.008 | 0.125 |
| HC03 | 906.483 | 14.557 | 903.100 | 21.800 |
| C03 | | | 0.165 | 0.357 |
| S102 (MG/KG)(MMOL/KG) | 57.621 | 0.959 | 56.802 | 22.002 |
| HB02 | 7.563 | 0.173 | 54.928 | 1.328 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 225.463 | 5.123 | 0.003 | 0.001 |
| H2S | 21.259 | 0.623 | 694.900 | 52.400 |
| | | | 25.390 | 12.885 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 4.363 | 39.708 | 52.636 | 5.442 |
| CA/(HC03+C03) | 0.561 | 0.440 | 0.594 | 0.958 |
| MG/CA | 0.426 | 0.535 | 0.468 | 0.764 |
| NA/CA | 2.377 | 3.767 | 3.216 | 0.407 |
| CL/(HC03+C03) | 1.304 | 1.042 | 1.349 | |
| CL/F | | 482.818 | 222.827 | |
| CL*100/(CL+S04+HC03+C03) | 44.316 | 44.151 | 48.197 | |
| S04*100/(CL+S04+HC03+C03) | 14.642 | 13.472 | 16.075 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 37.042 | 42.377 | 35.727 | |
| (NA+K)*100/(NA+K+CA+MG) | 57.203 | 71.559 | 69.062 | 21.433 |
| CA*100/(NA+K+CA+MG) | 22.998 | 18.531 | 21.075 | 44.531 |
| MG*100/(NA+K+CA+MG) | 9.798 | 9.910 | 9.862 | 34.037 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 62.958 | 57.623 | 64.273 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 37.042 | 42.377 | 35.727 | |
| (NA+K)*100/(NA+K+CA+MG) | 67.203 | 71.559 | 69.062 | 21.433 |
| (CA+MG)*100/(NA+K+CA+MG) | 32.797 | 28.441 | 30.938 | 78.567 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 41 | HSC 42 | HSC 43 | HSC 44 |
|----------------------------------|------------|-----------|------------|-----------|
| NO | | | | |
| TEMP | 37.8 | 81.0 | 94.0 | 95.0 |
| TSM | 0.635, 500 | 405, 1000 | 1080, 2000 | 1155, 000 |
| PH(FD) | 1.15 | 3.10 | 2.80 | 2.80 |
| PH(LLB) | 1.20 | 2.60 | 2.71 | 2.66 |
| H (MG/KG) (MVAL/KG) | 43, 510 | 0, 707 | 1, 613 | 1, 613 |
| K | 54, 370 | 0, 251 | 0, 006 | 0, 063 |
| NA | 157, 400 | 14, 547 | 3, 622 | 9, 501 |
| NH4 | 0, 169 | 0, 009 | 2, 076 | 1, 337 |
| CA | 174, 800 | 3, 337 | 18, 653 | 9, 863 |
| MG | 44, 240 | 0, 506 | 0, 803 | 3, 890 |
| FE | 64, 170 | 4, 258 | 52, 372 | 38, 948 |
| MN | 2, 722 | 0, 375 | 0, 520 | 0, 410 |
| ZN | - | - | - | - |
| CU | - | - | 0, 002 | 0, 000 |
| PB | 0, 007 | - | - | - |
| AL | 6, 110 | 22, 054 | 23, 405 | 19, 941 |
| CL | 2559, 000 | 72, 189 | 39, 819 | 51, 389 |
| BR | - | - | 0, 042 | - |
| I | 5, 400 | 0, 285 | 0, 722 | 0, 748 |
| F | - | - | - | 0, 039 |
| OH | - | - | - | - |
| S04 | 137, 000 | 31, 500 | 358, 478 | 251, 038 |
| S203 | 7, 635 | 1, 136 | 0, 072 | 0, 056 |
| HC03 | - | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 205, 400 | 43, 404 | 370, 233 | 697, 239 |
| HR02 | 7, 600 | 0, 205 | 37, 253 | 19, 723 |
| H3P04 | 0, 052 | 0, 004 | 0, 049 | 1, 431 |
| HAS02 | - | - | - | 1, 694 |
| CO2 | - | 65, 000 | - | - |
| H2S | 1, 608 | 0, 167 | 1, 915 | 0, 641 |
| RN (*F-10 CURIF/L) | - | - | - | - |
| NA/K | 4, 278 | 98, 557 | 5, 972 | 15, 825 |
| CA/(HC03+CO3) | 0, 536 | 0, 268 | 0, 863 | 0, 650 |
| MG/CA | 0, 989 | 3, 773 | 0, 403 | 0, 840 |
| NA/CA | - | - | - | - |
| CL/(HC03+CO3) | 0, 940 | 10, 934 | 29, 555 | 36, 818 |
| CL/F | - | - | - | - |
| CL*100/(CL+CO3+HC03) | - | - | - | - |
| S04*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 43, 846 | 75, 055 | 20, 163 | 35, 106 |
| CA*100/(NA+K+CA+MG) | 16, 808 | 19, 669 | 42, 861 | 39, 320 |
| MG*100/(NA+K+CA+MG) | 19, 347 | 5, 276 | 36, 976 | 25, 574 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 43, 846 | 75, 055 | 20, 163 | 35, 106 |
| (CA+MG)*100/(NA+K+CA+MG) | 46, 154 | 24, 945 | 79, 837 | 64, 894 |

第9-2表 八幡平南部地域水質一覧表(つづき)

| | HSC 45 | HSC 46 | HSC 47 | HSC 48 |
|----------------------------------|---------|----------|----------|---------|
| NO | 57.5 | 88.0 | 98.0 | 53.2 |
| TEMP | 602.000 | 2716.994 | 2676.000 | 830.000 |
| TSM | 7.91 | 2.20 | 1.20 | 7.20 |
| PH(ED) | 8.71 | 2.20 | 1.20 | 7.15 |
| PH(LB) | | | | |
| H (MG/KG)(M/L/PG) | | | | |
| K | 2.960 | 7.745 | 63.500 | 4.853 |
| NA | 25.285 | 3.710 | 0.198 | 0.124 |
| NH4 | | 43.119 | 1.876 | 63.138 |
| CA | 38.255 | 1.410 | 0.571 | |
| MG | 0.726 | 141.122 | 7.042 | 149.103 |
| FE | 0.072 | 62.648 | 5.155 | 0.504 |
| MN | | 33.221 | 1.190 | 0.090 |
| ZN | | 0.391 | 2.030 | |
| CU | | | 2.800 | |
| PB | | | 0.020 | |
| AL | 0.153 | | 1.330 | |
| | | 75.356 | 8.379 | 2.000 |
| CL | 61.314 | 2.212 | 0.062 | 5.141 |
| BR | | | 3121.000 | |
| I | | | 2.654 | |
| F | 1.500 | | 2.115 | |
| OH | | 0.166 | 0.009 | 1.700 |
| SO4 | 154.994 | 1743.972 | 36.309 | 447.095 |
| S2O3 | | 5.595 | 0.100 | 5.236 |
| HC03 | | | 14.146 | 60.286 |
| CO3 | | | | |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 27.608 | 249.499 | 4.154 | 45.881 |
| H3P04 | 5.056 | 32.418 | 0.740 | 10.961 |
| HAS02 | 1.270 | | | |
| CO2 | 145.101 | | | |
| H2S | 51.873 | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 4.997 | 9.468 | 2.336 | 22.124 |
| CA/(HC03+CO3) | 7.270 | | | 7.530 |
| MG/CA | 0.046 | 0.732 | 0.492 | 0.006 |
| NA/CA | 2.630 | 0.266 | 0.393 | 0.369 |
| CL/(HC03+CO3) | 8.915 | | | 0.147 |
| CL/F | 21.906 | 7.141 | 26.134 | 1.621 |
| CL*100/(CL+S04+HC03+CO3) | 33.541 | | | |
| S04*100/(CL+S04+HC03+CO3) | 62.652 | | | 1.389 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.767 | | | 89.148 |
| (NA+K)*100/(NA+K+CA+MG) | 71.960 | 14.531 | 27.333 | 9.463 |
| CA*100/(NA+K+CA+MG) | 26.840 | 48.344 | 48.698 | 27.729 |
| MG*100/(NA+K+CA+MG) | 1.229 | 35.124 | 23.969 | 71.870 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 36.233 | | | 0.401 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.767 | | | 90.537 |
| (NA+K)*100/(NA+K+CA+MG) | 71.960 | 14.531 | 27.333 | 9.463 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.040 | 85.469 | 72.667 | 27.729 |
| | | | | 72.271 |

第9-2表 八幡平南部地域水質一覧表(つづき)

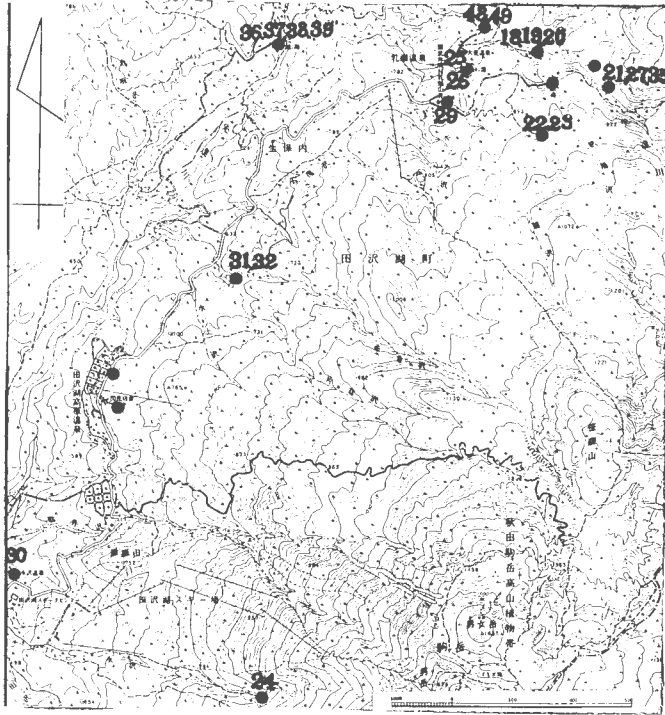
| NO | HSC 49 | |
|----------------------------------|---------|--------|
| TEMP | 51.0 | |
| TSM | 805.000 | |
| PH(FD) | 5.10 | |
| PH(LB) | 6.80 | |
| H (MG/KG) (MVAL/XG) | | |
| K | — | — |
| NA | 2.548 | 0.055 |
| NH4 | 56.209 | 2.880 |
| CA | — | — |
| MG | 173.710 | 8.658 |
| FE | 2.134 | 0.180 |
| MN | 0.109 | 0.004 |
| ZN | — | — |
| CU | — | — |
| PB | — | — |
| AL | 1.321 | 0.147 |
| CL | 4.432 | 0.125 |
| BR | — | — |
| I | — | — |
| F | — | — |
| OH | — | — |
| S04 | 460.937 | 9.638 |
| S203 | 0.751 | 0.013 |
| HCO3 | 61.014 | 1.000 |
| C03 | — | — |
| SI02 (MG/KG) (MMOL/XG) | | |
| HR02 | 39.850 | 0.663 |
| H3P04 | 778.832 | 17.773 |
| HAS02 | 0.164 | 0.002 |
| C02 | — | — |
| H2S | 122.548 | 2.780 |
| | 2.997 | 0.088 |
| RN (*E-10 CURIE/L) | — | — |
| NA/K | 44.138 | 1.162 |
| CA/(HCO3+C03) | 8.667 | 0.291 |
| MG/CA | 0.021 | 0.002 |
| NA/CA | 0.332 | 0.012 |
| CL/(HCO3+C03) | 0.125 | 0.002 |
| CL/F | — | — |
| CL*100/(CL+S04+HCO3+C03) | 1.162 | 0.042 |
| S04*100/(CL+S04+HCO3+C03) | 29.547 | 0.974 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 9.291 | 0.302 |
| (NA+K)*100/(NA+K+CA+MG) | 24.974 | 0.826 |
| CA*100/(NA+K+CA+MG) | 73.502 | 2.574 |
| MG*100/(NA+K+CA+MG) | 1.524 | 0.054 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 90.799 | 3.102 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 9.291 | 0.302 |
| (NA+K)*100/(NA+K+CA+MG) | 24.974 | 0.826 |
| (CA+MG)*100/(NA+K+CA+MG) | 75.026 | 2.574 |

第9-3表 八幡平南部地域特定成分含量の頻度分布表

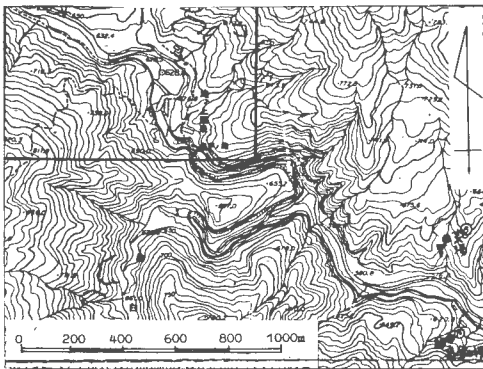
FREQUENCY DATA OF ZN, CU, PR, AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|----------|----|-------|----------------------|-----------------|-------|
| ND | 44 | 89.5 | ND | 33 | 67.3 |
| <0.500 | 3 | 6.1 | <0.300 | 16 | 32.7 |
| <5.000 | 2 | 4.1 | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 49 | 100.0 | TOTAL | 49 | 100.0 |
| PR | N | F(%) | AS | N | F(%) |
| ND | 43 | 87.8 | ND | 40 | 81.6 |
| <0.100 | 4 | 8.2 | <0.050 | 4 | 8.2 |
| <1.000 | 1 | 2.0 | <0.500 | 0 | 0. |
| >1.000 | 1 | 2.0 | <5.000 | 5 | 10.2 |
| | | | >5.000 | 0 | 0. |
| TOTAL | 49 | 100.0 | TOTAL | 49 | 100.0 |
| H2S | N | F(%) | N= NUMBER OF SAMPLES | F= FREQUENCY(%) | |
| ND | 10 | 20.4 | | | |
| < 1.000 | 7 | 14.3 | | | |
| < 10.000 | 13 | 36.7 | | | |
| <100.000 | 14 | 28.6 | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 49 | 100.0 | | | |

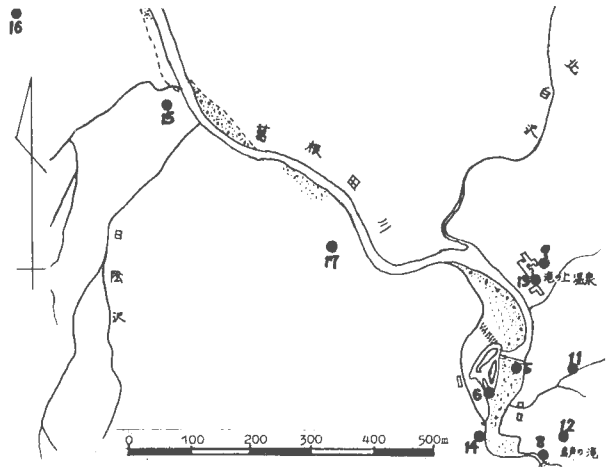
第9-1図 水質分析試料採取地（南西部地区）



第9-2図 試料採取地（滝の上温泉周辺地区）



第9-3図 試料採取地（滝の上温泉）

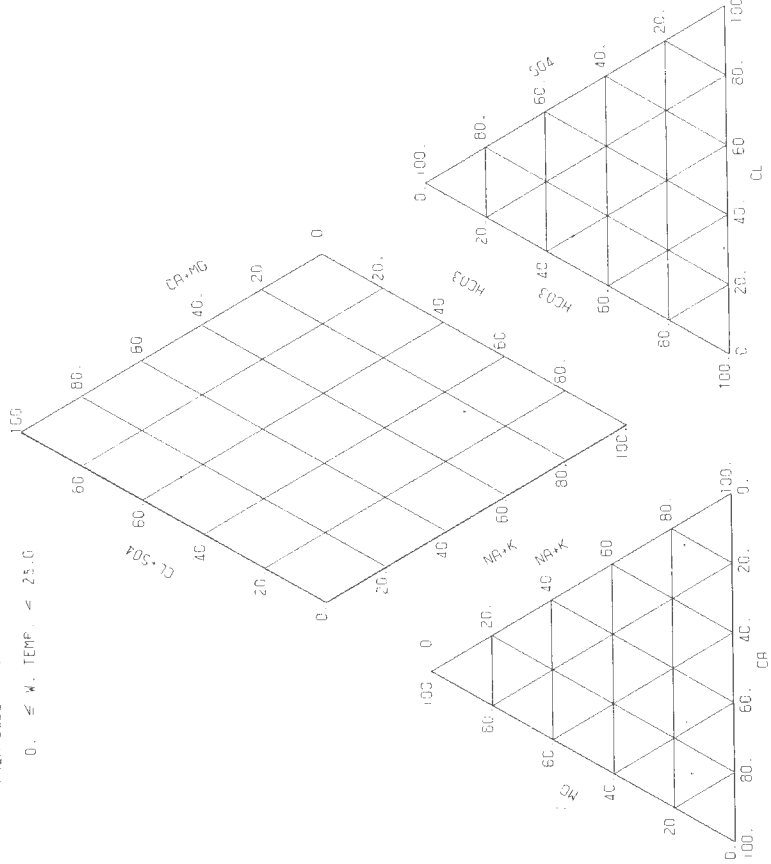


第9-4図 八幡平南部地域水質組成図 (その1) (水温25℃未満)

SOUTH HACHIMANTAI

AREA CODE HSC

0. ≦ W. TEMP. < 25.0

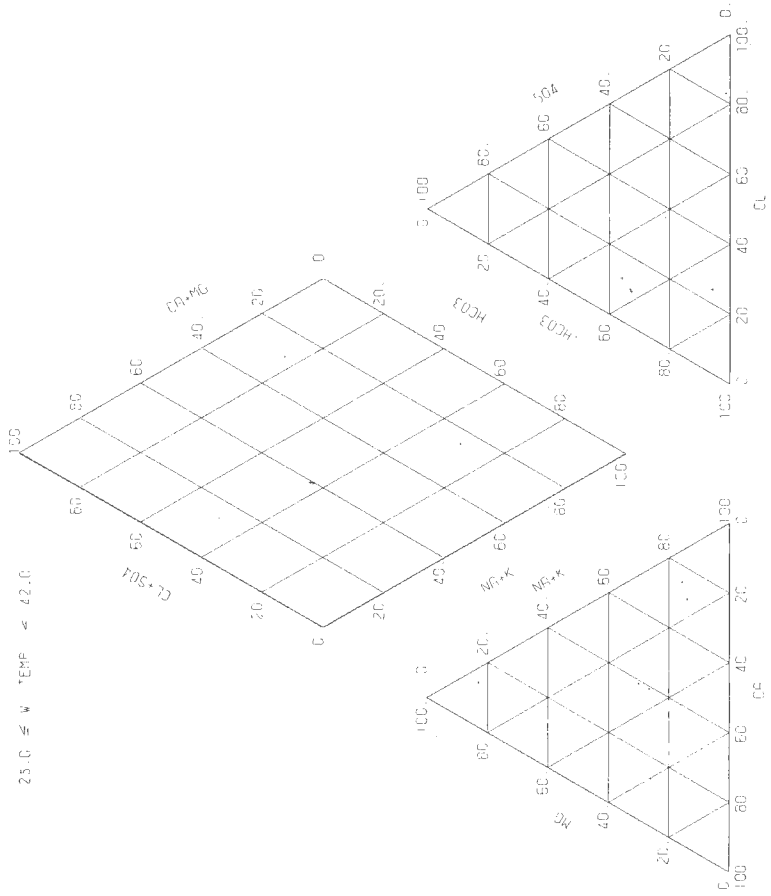


第9-4図 八幡平南部地域水質組成図 (その2) (水温25℃以上42℃未満)

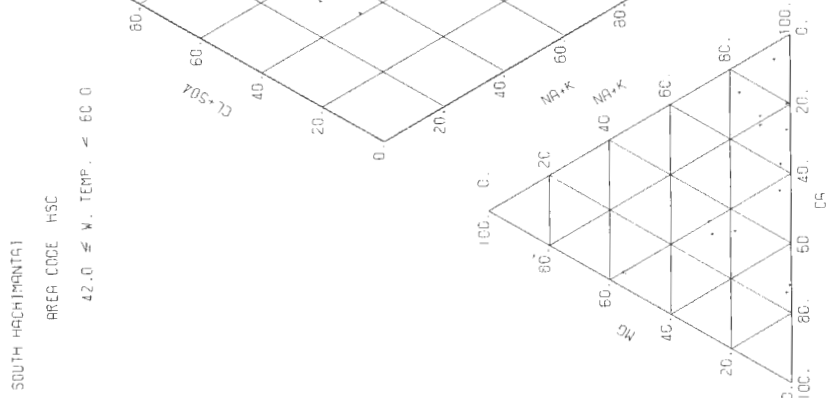
SOUTH HACHIMANTAI

AREA CODE HSC

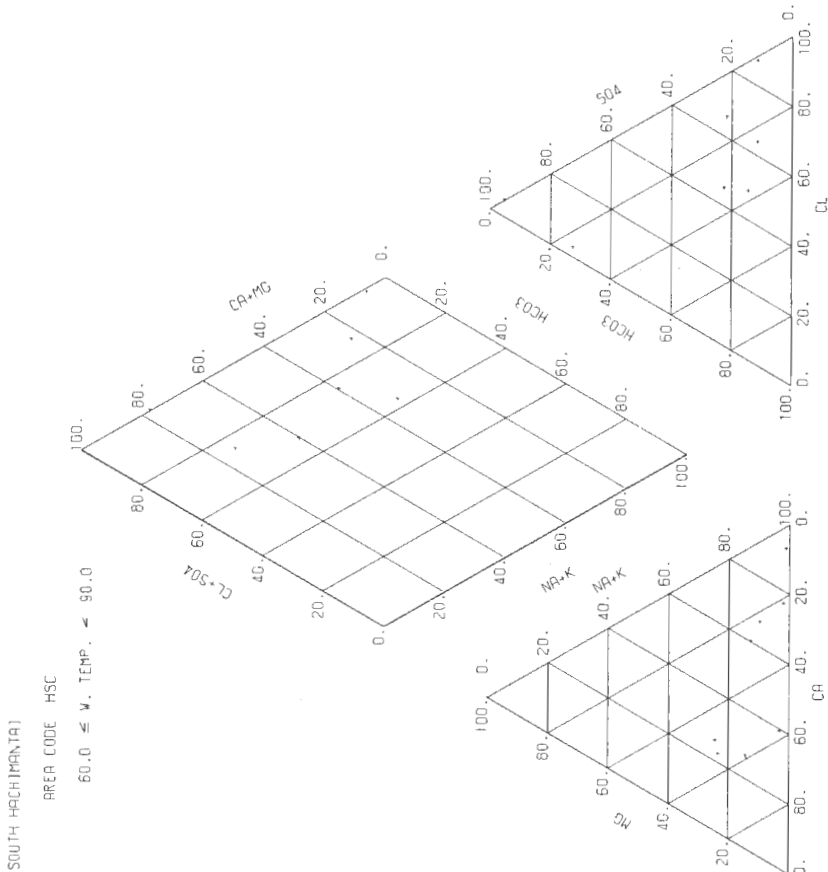
25.0 ≦ W. TEMP. < 42.0



第9-4図 八幡平南部地域水質組成図(その3) (水温42℃以上60℃未満)



第9-4図 八幡平南部地域水質組成図(その4) (水温60℃以上90℃未満)

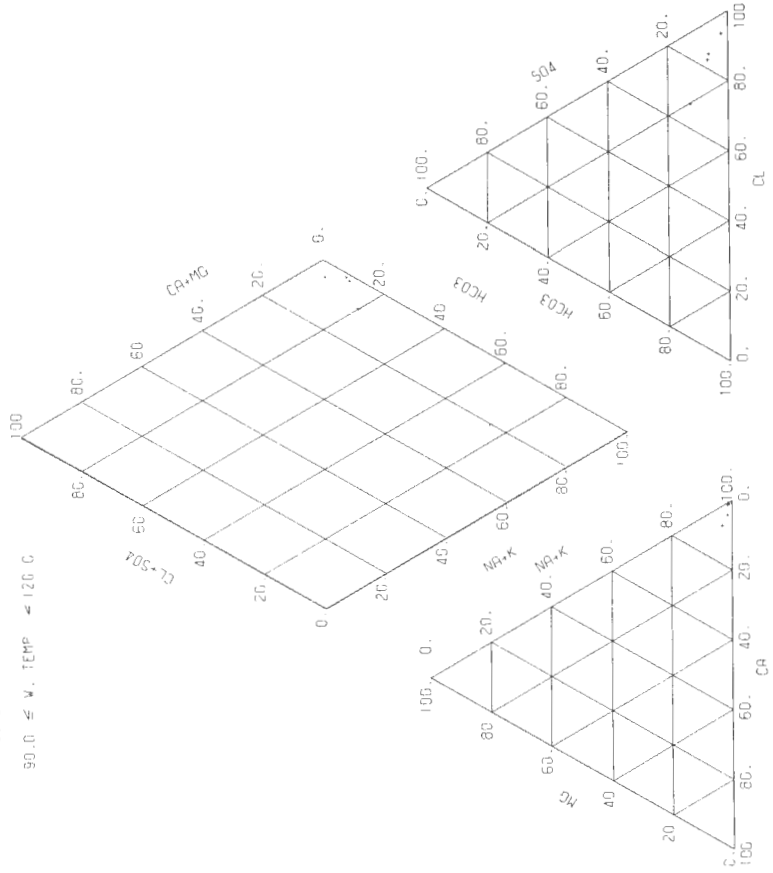


第9-4図 八幡平南部地域水質組成図 (その5) (水温90℃以上120℃未満)

SOUTH HACHIMANTAI

AREA CODE H5C

90.0 ≤ W. TEMP < 120.0

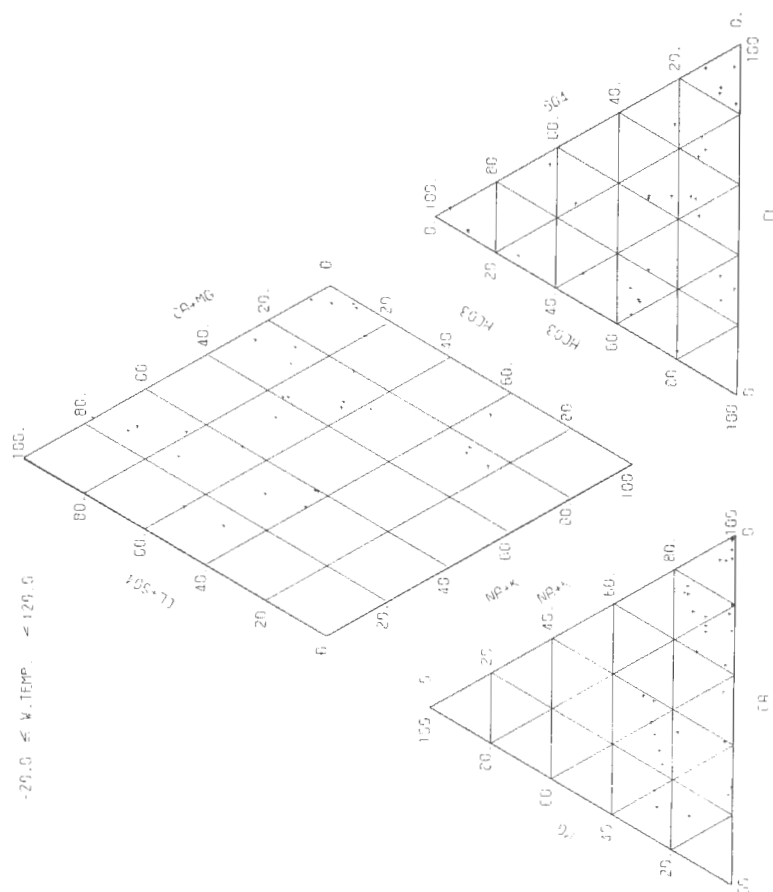


第9-4図 八幡平南部地域水質組成図 (その6) (全試料)

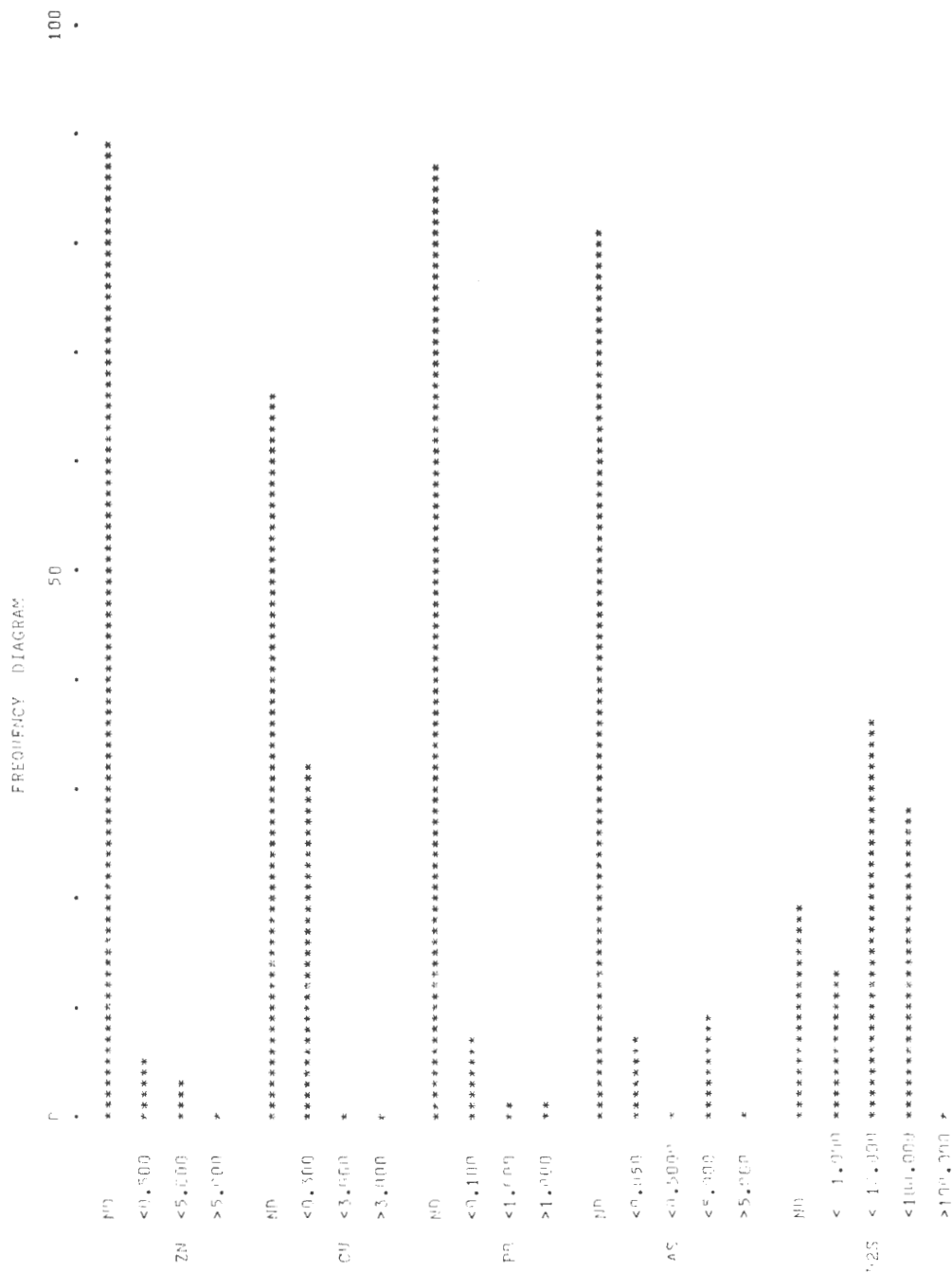
SOUTH HACHIMANTAI

AREA CODE H5C

20.0 ≤ W. TEMP < 120.0



第9-5図 八幡平南部地域特定成分含量の頻度分布図

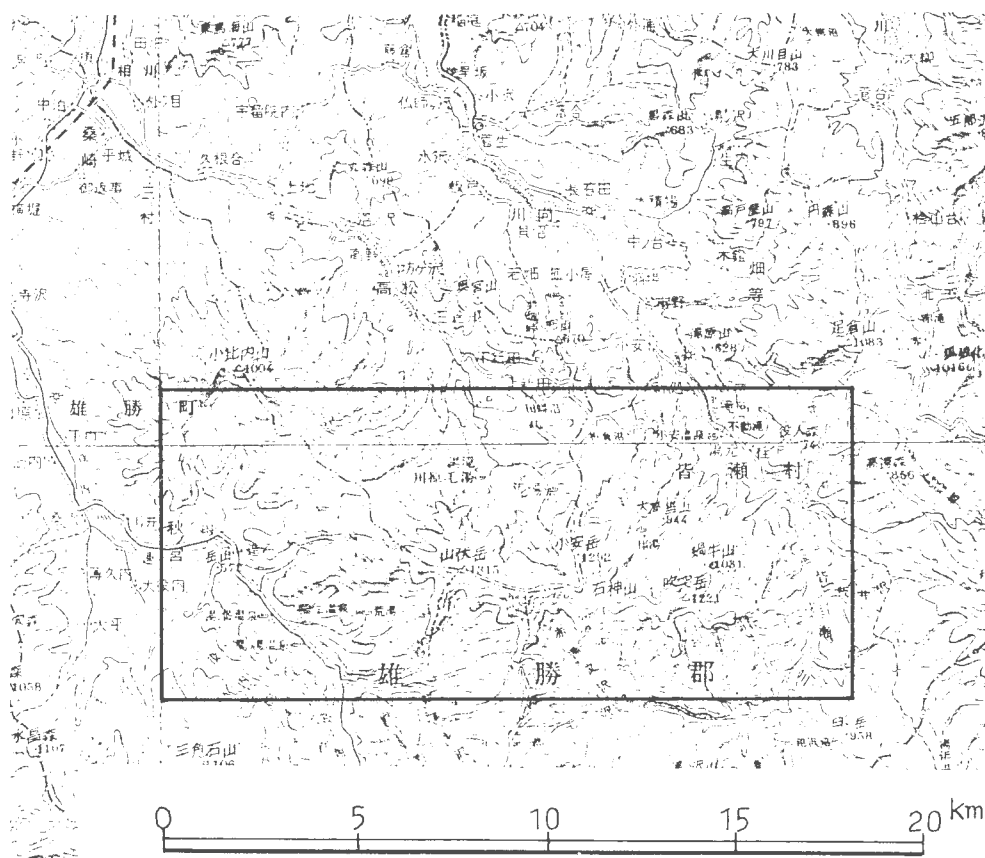


10. 栗駒北部

Northern part of Kurikoma

位置 秋田県湯沢市，雄勝郡雄勝町，同郡皆瀬村
 データ数 41
 収集・整理 阿部智彦・角 清愛
 協力 秋田県衛生科学研究所，同和鉱業(株)

調査位置図（20万分の1地勢図 新庄）



第10-2表 栗駒北部地域水質一覽表

| NO | KNC 1 | KNC 2 | KNC 3 | KNC 4 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 97.0 | 66.0 | 98.0 | 81.0 |
| TSM | 673.600 | 154.000 | 839.200 | 683.600 |
| PH(FD) | 8.10 | 5.30 | 8.40 | 8.40 |
| PH(LB) | 7.50 | 3.80 | 7.95 | 8.30 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 12.879 | 0.329 | 0.404 | 0.344 |
| NA | 121.296 | 5.276 | 15.785 | 13.453 |
| NH4 | | | 169.578 | 121.015 |
| CA | 2.429 | 0.121 | 0.015 | 0.015 |
| MG | 0.743 | 0.061 | 0.906 | 0.906 |
| FE | 0.020 | 0.001 | 0.153 | 0.153 |
| MN | | | 12.143 | 66.073 |
| ZN | | | 0.830 | 0.481 |
| CU | | | 0.068 | 0.040 |
| PB | | | 0.001 | 0.001 |
| AL | 20.205 | 0.419 | 0.026 | 0.024 |
| CL | | | | |
| BR | 177.285 | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 111.311 | 3.071 | 0.024 | 0.005 |
| S203 | 1.118 | 0.044 | 0.006 | 0.034 |
| HCO3 | 73.465 | 0.247 | 0.613 | 117.280 |
| CO3 | | 0.001 | 0.102 | 2.442 |
| SI02 (MG/KG)(MMOL/KG) | | | 2.140 | 2.850 |
| HR02 | 69.037 | 0.179 | 0.028 | 132.470 |
| H3PO4 | 1.885 | 1.236 | 0.002 | 0.171 |
| HAS02 | 0.927 | 0.142 | 0.002 | 2.171 |
| CO2 | | | | 0.008 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | | | | |
| CA/(HCO3+CO3) | 16.016 | 58.724 | 18.269 | 15.297 |
| MG/CA | 0.101 | 0.138 | 0.279 | 1.513 |
| NA/CA | 0.504 | 0.024 | 0.113 | 0.012 |
| CL/(HCO3+CO3) | 43.532 | 5.911 | 12.174 | 1.597 |
| CL/F | 4.154 | | 2.629 | 2.157 |
| | | | 240.687 | 893.074 |
| CL*100/(CL+S04+HCO3+CO3) | 58.680 | 0.001 | 67.213 | 50.430 |
| S04*100/(CL+S04+HCO3+CO3) | 27.192 | 49.101 | 7.222 | 26.193 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 14.128 | 50.898 | 25.565 | 23.577 |
| (NA+K)*100/(NA+K+CA+MG) | 96.850 | 85.450 | 92.025 | 62.698 |
| CA*100/(NA+K+CA+MG) | 2.094 | 14.214 | 7.167 | 36.859 |
| MG*100/(NA+K+CA+MG) | 1.056 | 0.336 | 0.808 | 0.443 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 35.872 | 49.102 | 74.435 | 76.623 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 14.128 | 50.898 | 25.565 | 23.577 |
| (NA+K)*100/(NA+K+CA+MG) | 96.850 | 85.450 | 92.025 | 62.698 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.150 | 14.550 | 7.975 | 37.302 |

第10-2表 栗駒北部地域水質一覽表(つづき)

| | KNC 5 | KNC 6 | KNC 7 | KNC 8 |
|----------------------------------|---------|--------|---------|---------|
| NO | 67.0 | 73.0 | 93.0 | 79.0 |
| TEMP | 64.900 | 56.200 | 218.000 | 964.400 |
| TSM | 5.60 | 6.60 | 5.80 | 2.30 |
| PH(FD) | 5.60 | 6.64 | 5.80 | 2.23 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.090 | 0.287 | 0.287 | 4.231 |
| NA | 6.850 | 4.297 | 0.007 | 0.133 |
| NH4 | 0.026 | 0.026 | 0.407 | 23.281 |
| CA | 5.428 | 0.271 | 0.001 | 1.013 |
| MG | 2.407 | 5.944 | 0.297 | 7.429 |
| FE | 0.567 | 1.660 | 0.324 | 0.126 |
| MN | | 0.503 | 0.087 | 0.875 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.227 | 0.536 | 0.393 | 17.781 |
| CL | 4.964 | 4.503 | 10.814 | 1.773 |
| BR | | | | |
| I | | | | |
| F | | | | 0.250 |
| OH | | | | |
| S04 | 21.810 | 20.575 | 26.748 | 593.154 |
| S203 | 1.128 | 1.428 | 1.128 | 12.349 |
| HC03 | 12.143 | 8.237 | 35.818 | 0.020 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 8.278 | 7.339 | 81.207 | 138.720 |
| HB02 | | | | 9.524 |
| H3P04 | | | | 1.491 |
| HAS02 | | | | 0.015 |
| C02 | 6.117 | 3.433 | 5.677 | 147.400 |
| H2S | 0.259 | 0.272 | 0.238 | 5.465 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 129.431 | 26.824 | 55.460 | 7.611 |
| CA/(HC03+C03) | 1.361 | 2.197 | 0.486 | |
| MG/CA | 0.731 | 0.461 | 1.135 | 0.339 |
| NA/CA | 1.100 | 0.664 | 1.428 | 2.732 |
| CL/(HC03+C03) | 0.704 | 0.941 | 0.520 | |
| CL/F | | | | 3.801 |
| CL*100/(CL+S04+HC03+C03) | 17.656 | 18.399 | 21.053 | |
| S04*100/(CL+S04+HC03+C03) | 57.251 | 62.046 | 38.433 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 25.093 | 19.554 | 40.514 | |
| (NA+K)*100/(NA+K+CA+MG) | 39.037 | 32.043 | 40.511 | 69.767 |
| CA*100/(NA+K+CA+MG) | 35.213 | 46.528 | 27.867 | 22.572 |
| MG*100/(NA+K+CA+MG) | 25.750 | 21.429 | 31.623 | 7.661 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 74.907 | 80.446 | 59.486 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 25.093 | 19.554 | 40.514 | |
| (NA+K)*100/(NA+K+CA+MG) | 39.037 | 32.043 | 40.511 | 69.767 |
| (CA+MG)*100/(NA+K+CA+MG) | 60.963 | 67.957 | 59.489 | 30.233 |

第10-2表 栗駒北部地域水質一覽表(つつぎ)

| NO | KNC 9 | KNC 10 | KNC 11 | KNC 12 |
|----------------------------------|---------|----------|---------|---------|
| TEMP | 80.5 | 66.0 | 97.0 | 98.0 |
| TSM | 981.600 | 1016.200 | 703.019 | 949.500 |
| PH(FD) | 6.20 | 2.60 | 8.40 | 8.80 |
| PH(LB) | 6.15 | 2.60 | 7.80 | 8.80 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 23.140 | 2,512 | 13,762 | 19,200 |
| NA | 87.826 | 14,800 | 134,004 | 225,812 |
| NH4 | | | | |
| CA | 28.226 | 1,411 | 4,489 | 26,087 |
| MG | 11.730 | 0.965 | 1,245 | 11,027 |
| FE | 4.733 | 0.169 | 0.222 | 0.099 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 34.702 | 39,700 | 1,708 | 0.104 |
| CL | 150.692 | 14,200 | 180,152 | 246,934 |
| BR | | | | |
| I | | | | |
| F | 0.700 | 0.300 | 0.210 | 1.269 |
| OH | | | | |
| S04 | 147.111 | 570,291 | 3,998 | 1,387 |
| S203 | 1.279 | 0.731 | 0.034 | 0.073 |
| HC03 | 162.674 | 0.023 | 124,259 | 0.107 |
| C03 | | 2.666 | 2,587 | 159,061 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 144.567 | 61,082 | 5,479 | 2,859 |
| H3PO4 | 20.953 | 0.478 | 164,688 | 1,630 |
| HAS02 | 0.850 | 0.009 | 0.210 | 0.123 |
| C02 | 132.118 | 4,233 | 0.007 | 3,703 |
| H2S | 51.217 | 210,000 | 2,275 | 203,414 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 6.454 | 1,586 | 16,559 | 20,000 |
| CA/(HC03+C03) | 0.529 | 0.370 | 1,659 | 0.743 |
| MG/CA | 0.684 | 0.491 | 0.023 | 0.697 |
| NA/CA | 2.707 | 0.491 | 1,299 | 7,346 |
| CL/(HC03+C03) | 1,594 | 25,366 | 1,878 | 3,973 |
| CL/F | 115.366 | | 24,148 | 95,410 |
| CL*100/(CL+S04+HC03+C03) | 42.595 | | 48,982 | 57,901 |
| S04*100/(CL+S04+HC03+C03) | 30.690 | | 24,935 | 27,526 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 26.715 | | 26,083 | 14,572 |
| (NA+K)*100/(NA+K+CA+MG) | 64.992 | 36,883 | 57,379 | 82,359 |
| CA*100/(NA+K+CA+MG) | 20.790 | 46,064 | 41,670 | 10,395 |
| MG*100/(NA+K+CA+MG) | 14.218 | 17,053 | 0.951 | 7,246 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 73.285 | | 73,917 | 85,428 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 26.715 | | 26,083 | 14,572 |
| (NA+K)*100/(NA+K+CA+MG) | 64.992 | 36,883 | 57,379 | 82,359 |
| (CA+MG)*100/(NA+K+CA+MG) | 35.008 | 63,117 | 42,621 | 17,641 |

第10-2表 栗駒北部地域水質一覧表 (つづき)

| NO | KNC 17 | | KNC 18 | | KNC 19 | | KNC 20 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|
| | TEMP | PH(FD) | TEMP | PH(FD) | TEMP | PH(FD) | TEMP | PH(FD) |
| NA | 35.500 | 0.908 | 24.000 | 0.614 | 42.500 | 1.087 | 40.500 | 1.036 |
| CA | 375.000 | 16.313 | 190.000 | 8.265 | 405.000 | 17.618 | 375.000 | 16.313 |
| NH4 | 44.873 | 2.240 | 30.360 | 1.515 | 38.022 | 1.897 | 31.790 | 1.586 |
| MG | 24.321 | 2.001 | 1.715 | 0.141 | 0.457 | 0.038 | 1.486 | 0.122 |
| FE | 0.045 | 0.002 | 0.040 | 0.001 | 0.030 | 0.001 | 0.120 | 0.004 |
| MN | 0.108 | 0.004 | - | - | 0.048 | 0.002 | 0.032 | 0.001 |
| ZN | - | - | - | - | 0.160 | 0.005 | 0.090 | 0.003 |
| CU | 0.003 | 0.000 | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 0.071 | 0.003 | - | - | - | - | - | - |
| CL | 666.554 | 13.803 | 305.993 | 8.632 | 668.010 | 18.845 | 606.315 | 17.104 |
| BR | - | - | - | - | 0.048 | 0.001 | 0.029 | 0.000 |
| I | 0.654 | 0.005 | - | - | 0.093 | 0.001 | 0.110 | 0.001 |
| F | - | - | - | - | - | - | - | - |
| OH | 33.738 | 0.702 | 25.877 | 0.539 | 43.574 | 0.907 | 38.471 | 0.801 |
| S04 | - | - | - | - | 0.011 | 0.001 | 0.030 | 0.002 |
| S203 | 99.350 | 1.628 | 82.289 | 1.349 | 54.690 | 0.896 | 64.758 | 1.061 |
| HC03 | - | - | 0.195 | 0.007 | 0.193 | 0.007 | 0.303 | 0.010 |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 96.204 | 1.602 | 60.485 | 1.007 | 103.491 | 1.723 | 92.084 | 1.533 |
| HB02 | 21.914 | 0.500 | 12.273 | 0.280 | 16.217 | 0.370 | 14.901 | 0.340 |
| H3P04 | - | - | - | - | - | - | - | - |
| HAS02 | 0.345 | 0.003 | 0.040 | 0.000 | 0.080 | 0.001 | 0.090 | 0.001 |
| C02 | 11.962 | 0.272 | 4.947 | 0.112 | 2.104 | 0.048 | 0.981 | 0.022 |
| H2S | - | - | - | - | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 17.964 | - | 13.463 | - | 16.205 | - | 15.746 | - |
| CA/(HC03+C03) | 1.375 | - | 1.118 | - | 2.101 | - | 1.480 | - |
| MG/CA | 0.894 | - | 0.093 | - | 0.020 | - | 0.077 | - |
| NA/CA | 7.283 | - | 5.456 | - | 9.286 | - | 10.283 | - |
| CL/(HC03+C03) | 11.548 | - | 6.370 | - | 20.870 | - | 15.963 | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 88.972 | - | 82.007 | - | 91.236 | - | 90.133 | - |
| S04*100/(CL+S04+HC03+C03) | 3.324 | - | 5.118 | - | 4.392 | - | 4.221 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.705 | - | 12.875 | - | 4.372 | - | 5.646 | - |
| (NA+K)*100/(NA+K+CA+MG) | 80.239 | - | 84.280 | - | 90.625 | - | 91.034 | - |
| CA*100/(NA+K+CA+MG) | 10.436 | - | 14.380 | - | 9.193 | - | 8.324 | - |
| MG*100/(NA+K+CA+MG) | 9.325 | - | 1.340 | - | 0.182 | - | 0.642 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.295 | - | 87.125 | - | 95.628 | - | 94.354 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.705 | - | 12.875 | - | 4.372 | - | 5.646 | - |
| (NA+K)*100/(NA+K+CA+MG) | 80.239 | - | 84.280 | - | 90.625 | - | 91.034 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 19.761 | - | 15.720 | - | 9.375 | - | 8.966 | - |

第10-2表 栗駒北部地域水質一覧表(つづき)

| | KNC 21 | KNC 22 | KNC 23 | KNC 24 |
|----------------------------------|----------|----------|----------|---------|
| NO | 82.0 | 98.5 | 71.5 | 80.5 |
| TEMP | 1680.293 | 1026.000 | 1244.000 | 945.300 |
| TSM | 7.90 | 9.10 | 7.00 | 6.20 |
| PH(FD) | 8.30 | 9.00 | 7.20 | 6.10 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 79.500 | 22.500 | 37.500 | 35.000 |
| NA | 475.000 | 230.000 | 395.000 | 92.000 |
| NH4 | | | 0.100 | 0.550 |
| CA | 37.665 | 29.730 | 41.020 | 75.470 |
| MG | 2.286 | 0.050 | 0.950 | 38.100 |
| FE | 0.070 | 0.060 | 0.210 | 0.130 |
| MN | 0.065 | | 0.048 | 0.795 |
| ZN | 0.025 | 0.083 | 0.125 | 0.034 |
| CU | | 0.050 | 0.011 | 0.007 |
| PB | | | | |
| AL | | | 0.014 | 0.043 |
| CL | 783.600 | 259.600 | 607.100 | 273.400 |
| BR | 0.013 | 0.400 | 13.290 | 0.166 |
| I | 0.144 | | 0.152 | 0.001 |
| F | | 3.250 | 1.009 | 0.750 |
| OH | 0.007 | 0.221 | | |
| S04 | 80.285 | 159.400 | 44.530 | 141.900 |
| S203 | | | 97.750 | 7.715 |
| HC03 | 58.223 | 12.180 | | 59.490 |
| C03 | 0.264 | 0.897 | 0.057 | 0.975 |
| S102 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 105.710 | 222.808 | 92.038 | 166.015 |
| H3P04 | 33.747 | 26.299 | 3.720 | 10.740 |
| HAS02 | | 2.025 | | |
| C02 | 0.442 | 1.604 | 0.280 | 0.120 |
| H2S | 1.822 | 0.026 | 23.500 | 90.110 |
| RN (**F-10 CURTE/L) | | | | |
| NA/K | 10.161 | 17.383 | 17.912 | 4.470 |
| CA/(HC03+C03) | 1.952 | 6.463 | 1.276 | 3.862 |
| MG/CA | 0.100 | 0.003 | 0.038 | 0.833 |
| NA/CA | 10.994 | 6.744 | 8.394 | 1.063 |
| CL/(HC03+C03) | 22.953 | 31.906 | 10.677 | 7.910 |
| CL/F | | 42.806 | 322.445 | 195.355 |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 89.351 | 67.362 | 87.124 | 66.248 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.756 | 30.527 | 4.716 | 25.377 |
| (NA+K)*100/(NA+K+CA+MG) | 3.893 | 2.111 | 8.160 | 8.375 |
| CA*100/(NA+K+CA+MG) | 91.651 | 87.673 | 89.515 | 41.508 |
| MG*100/(NA+K+CA+MG) | 7.590 | 12.293 | 10.100 | 31.919 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 0.760 | 0.034 | 0.586 | 26.573 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 96.107 | 97.889 | 91.840 | 91.625 |
| (NA+K)*100/(NA+K+CA+MG) | 3.893 | 2.111 | 8.160 | 8.375 |
| (CA+MG)*100/(NA+K+CA+MG) | 91.651 | 87.673 | 89.515 | 41.508 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.349 | 12.327 | 10.485 | 58.492 |

第10-2表 栗駒北部地域水質一覽表 (つづき)

| | KNC 25 | KNC 26 | KNC 27 | KNC 28 |
|----------------------------------|---------|---------|---------|---------|
| NO | | | | |
| TEMP | 66.5 | 66.0 | 54.5 | 84.0 |
| TSM | 745.600 | 212.800 | 504.700 | - |
| PH(FD) | 2.20 | 3.00 | 6.60 | 7.20 |
| PH(LB) | 2.50 | 3.00 | 7.10 | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 6.350 | 1.008 | 5.300 | 48.100 |
| Na | 7.500 | 0.800 | 0.020 | 1.230 |
| NH4 | 22.000 | 0.192 | 0.261 | 407.200 |
| Ca | 0.600 | 6.000 | 0.006 | - |
| Mg | 24.730 | 0.033 | 0.050 | 25.100 |
| Fe | 4.440 | 1.234 | 0.439 | 0.700 |
| Mn | 3.740 | 0.365 | 0.203 | 1.500 |
| Zn | 0.256 | 1.940 | 0.090 | 0.054 |
| Cu | 0.016 | 0.075 | 0.162 | 0.0 |
| Pb | 0.006 | 0.022 | 0.011 | - |
| Al | 8.250 | - | 0.023 | - |
| Cl | - | 2.275 | - | 1.000 |
| Br | 0.197 | 1.050 | 8.070 | 718.100 |
| I | - | 0.093 | 0.093 | 20.258 |
| F | - | - | - | - |
| OH | - | - | 3.290 | 0.173 |
| SO4 | 541.141 | 105.501 | 1.316 | 0.514 |
| S2O3 | 0.146 | 1.962 | 0.067 | - |
| HCO3 | - | - | 438.000 | 7.179 |
| CO3 | - | - | 0.104 | 1.600 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 123.627 | 55.205 | 127.627 | 125.011 |
| H3PO4 | 4.602 | 7.232 | 6.136 | 0.140 |
| HAS02 | 0.004 | 0.004 | 0.000 | - |
| CO2 | - | 90.220 | 2.050 | - |
| H2S | 4.345 | 1.307 | 263.200 | 5.980 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | - | - | - | - |
| CA/(HC03+CO3) | 4.938 | 12.754 | 41.712 | 14.396 |
| MG/CA | 0.296 | 0.463 | 0.240 | 0.783 |
| NA/CA | 0.776 | 0.594 | 0.046 | 0.046 |
| CL/(HC03+CO3) | - | - | 3.276 | 14.142 |
| CL/F | - | - | 0.032 | 12.664 |
| CL*100/(CL+S04+HC03+CO3) | - | - | 1.315 | - |
| SO4*100/(CL+S04+HC03+CO3) | - | - | 3.061 | 90.551 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | 0.368 | 2.299 |
| (NA+K)*100/(NA+K+CA+MG) | 41.803 | 30.467 | 96.571 | 7.150 |
| CA*100/(NA+K+CA+MG) | 44.902 | 47.532 | 76.236 | 93.532 |
| MG*100/(NA+K+CA+MG) | 13.295 | 22.001 | 22.724 | 6.184 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | - | 1.040 | 0.284 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | - | 3.429 | 92.850 |
| (NA+K)*100/(NA+K+CA+MG) | 41.803 | 30.467 | 96.571 | 7.150 |
| (CA+MG)*100/(NA+K+CA+MG) | 58.197 | 69.533 | 76.236 | 93.532 |
| | | | 23.764 | 6.468 |

第10-2表 栗駒北部地域水質一覽表(つづき)

| NO | KNC 33 | | KNC 34 | | KNC 35 | | KNC 36 | |
|----------------------------------|---------|--------|--------|--------|--------|--------|---------|--------|
| | 80.0 | 60.0 | 6.60 | 54.0 | 100.0 | 8.40 | 8.40 | 8.40 |
| TEMP | 13.200 | 0.338 | 2.400 | 0.061 | 2.400 | 0.061 | 14.800 | 0.379 |
| TSM | 151.500 | 6.590 | 13.800 | 0.600 | 13.800 | 0.600 | 190.800 | 8.300 |
| PH(FD) | 21.100 | 1.053 | 9.100 | 0.454 | 7.000 | 0.349 | 8.000 | 0.399 |
| PH(TLB) | 0.700 | 0.058 | 0.700 | 0.058 | 1.100 | 0.091 | 0.700 | 0.058 |
| H (MG/KG) (MVAL/KG) | 1.500 | 0.054 | 5.000 | 0.179 | 5.000 | 0.179 | 1.300 | 0.047 |
| K | 0.0 | - | 0.0 | - | 0.0 | - | 0.0 | - |
| NA | - | - | - | - | - | - | - | - |
| NH4 | - | - | - | - | - | - | - | - |
| CA | - | - | - | - | - | - | - | - |
| MG | - | - | - | - | - | - | - | - |
| FE | - | - | - | - | - | - | - | - |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | 0.500 | 0.056 | 1.500 | 0.167 | 1.500 | 0.167 | 0.600 | 0.067 |
| CL | 213.700 | 6.028 | 33.700 | 0.951 | 16.000 | 0.451 | 222.500 | 6.277 |
| BR | - | - | - | - | - | - | - | - |
| T | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| S04 | 107.800 | 2.244 | 15.600 | 0.325 | 11.500 | 0.239 | 106.200 | 2.211 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 68.300 | 1.119 | 16.500 | 0.270 | 18.300 | 0.300 | 109.800 | 1.800 |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 164.015 | 2.731 | 12.001 | 0.200 | 13.001 | 0.216 | 196.018 | 3.264 |
| HB02 | - | - | - | - | - | - | - | - |
| H3P04 | - | - | - | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | - | - | - | - | - | - | - | - |
| H2S | 2.000 | 0.059 | 3.400 | 0.100 | 0.800 | 0.023 | 8.700 | 0.255 |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 19.518 | 9.778 | 9.778 | 9.778 | 9.778 | 9.778 | 21.923 | 21.923 |
| CA/(HC03+C03) | 0.941 | 1.679 | 1.679 | 1.679 | 1.679 | 1.679 | 0.222 | 0.222 |
| MG/CA | 0.055 | 0.127 | 0.127 | 0.127 | 0.127 | 0.127 | 0.144 | 0.144 |
| NA/CA | 6.259 | 1.322 | 1.322 | 1.322 | 1.322 | 1.322 | 20.791 | 20.791 |
| CL/(HC03+C03) | 5.385 | 3.515 | 3.515 | 3.515 | 3.515 | 3.515 | 3.488 | 3.488 |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 64.185 | 61.497 | 61.497 | 61.497 | 61.497 | 61.497 | 61.014 | 61.014 |
| S04*100/(CL+S04+HC03+C03) | 23.896 | 21.010 | 21.010 | 21.010 | 21.010 | 21.010 | 21.493 | 21.493 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.919 | 17.494 | 17.494 | 17.494 | 17.494 | 17.494 | 17.493 | 17.493 |
| (NA+K)*100/(NA+K+CA+MG) | 86.185 | 56.392 | 56.392 | 56.392 | 56.392 | 56.392 | 95.000 | 95.000 |
| CA*100/(NA+K+CA+MG) | 13.088 | 38.699 | 38.699 | 38.699 | 38.699 | 38.699 | 4.370 | 4.370 |
| MG*100/(NA+K+CA+MG) | 0.717 | 4.909 | 4.909 | 4.909 | 4.909 | 4.909 | 0.631 | 0.631 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 88.081 | 82.506 | 82.506 | 82.506 | 82.506 | 82.506 | 82.507 | 82.507 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.919 | 17.494 | 17.494 | 17.494 | 17.494 | 17.494 | 17.493 | 17.493 |
| (NA+K)*100/(NA+K+CA+MG) | 86.185 | 56.392 | 56.392 | 56.392 | 56.392 | 56.392 | 95.000 | 95.000 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.815 | 43.608 | 43.608 | 43.608 | 43.608 | 43.608 | 5.000 | 5.000 |

第10-2表 栗駒北部地蔵水質一覧表(つづき)

| | KNC 37 | KNC 38 | KNC 39 | KNC 40 |
|----------------------------------|---------|---------|--------|---------|
| NO | 99.0 | 92.0 | 99.0 | 74.0 |
| TEMP | | | | |
| TSM | | | | |
| PH(FD) | 8.60 | 3.20 | 4.50 | 2.30 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 19.100 | 0.489 | 0.210 | 0.005 |
| NA | 247.400 | 10.762 | 5.500 | 0.239 |
| NH4 | | | | |
| CA | 9.000 | 0.449 | 5.000 | 0.250 |
| MG | 0.700 | 0.058 | 3.100 | 0.255 |
| FE | 5.000 | 0.179 | 6.000 | 0.215 |
| MN | 0.0 | | 0.0 | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.500 | 0.056 | 1.300 | 0.145 |
| CL | 301.400 | 8.502 | 14.200 | 0.401 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 143.200 | 2.981 | 44.400 | 0.924 |
| S2O3 | | | | |
| HC03 | 87.800 | 1.439 | 0.0 | |
| CO3 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 307.029 | 5.445 | 13.001 | 0.216 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 4.100 | 0.120 | 1.500 | 0.044 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 22.027 | 46.765 | | |
| CA/(HC03+CO3) | 0.512 | | | |
| MG/CA | 0.128 | 1.022 | | |
| NA/CA | 23.963 | 0.959 | | |
| CL/(HC03+CO3) | 5.508 | | | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 65.794 | 30.233 | 71.544 | 12.620 |
| S04*100/(CL+S04+HC03+CO3) | 23.071 | 69.767 | 24.753 | 87.380 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 11.136 | 0.0 | 3.703 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 95.690 | 32.627 | 44.463 | 10.151 |
| CA*100/(NA+K+CA+MG) | 3.820 | 33.313 | 28.188 | 45.075 |
| MG*100/(NA+K+CA+MG) | 0.490 | 34.060 | 27.349 | 44.774 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 88.864 | 100.000 | 96.297 | 100.000 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 11.136 | 0.0 | 3.703 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 95.690 | 32.627 | 44.463 | 10.151 |
| (CA+MG)*100/(NA+K+CA+MG) | 4.310 | 67.373 | 55.537 | 89.849 |

第10-2表 栗駒北部地域水質一覧表(つづき)

| | FKC 41 | |
|----------------------------------|----------|--------|
| NO | 52.0 | |
| TEMP | 1.27 | |
| TSM | - | |
| PH(FD) | - | |
| PH(LR) | - | |
| H (MG/KG) (METAL/KG) | | |
| K | 45.200 | 1.156 |
| NA | 62.200 | 2.706 |
| NH4 | - | - |
| CA | 174.740 | 6.722 |
| MG | 177.300 | 11.298 |
| FF | 72.640 | 2.640 |
| MN | 2.240 | 0.080 |
| ZN | - | - |
| CU | - | - |
| PR | - | - |
| AL | 190.800 | 11.166 |
| CL | 1286.900 | 35.586 |
| BR | - | - |
| I | - | - |
| F | - | - |
| OH | - | - |
| S04 | 957.200 | 19.929 |
| S203 | 0.0 | - |
| HC03 | - | - |
| C03 | - | - |
| SI02 (MG/KG) (MMDL/KG) | 354.023 | 4.239 |
| HP02 | - | - |
| H3P04 | - | - |
| HAS02 | - | - |
| C02 | - | - |
| H2S | 0.500 | 0.015 |
| RN (*E-10 CURT/L) | - | - |
| NA/K | 2.340 | |
| CA/(HC03+C03) | - | |
| MG/CA | 1.681 | |
| NA/GA | 0.403 | |
| CL/(HC03+C03) | - | |
| CL/F | - | |
| CL*100/(CL+S04+HC03+C03) | 64.737 | |
| S04*100/(CL+S04+HC03+C03) | 35.263 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | |
| (NA+K)*100/(NA+K+CA+MG) | 17.649 | |
| CA*100/(NA+K+CA+MG) | 30.717 | |
| MG*100/(NA+K+CA+MG) | 51.634 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 100.000 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | |
| (NA+K)*100/(NA+K+CA+MG) | 17.649 | |
| (CA+MG)*100/(NA+K+CA+MG) | 42.351 | |

第 10-3 表 栗駒北部地域特定成分含量の頻度分布表

FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

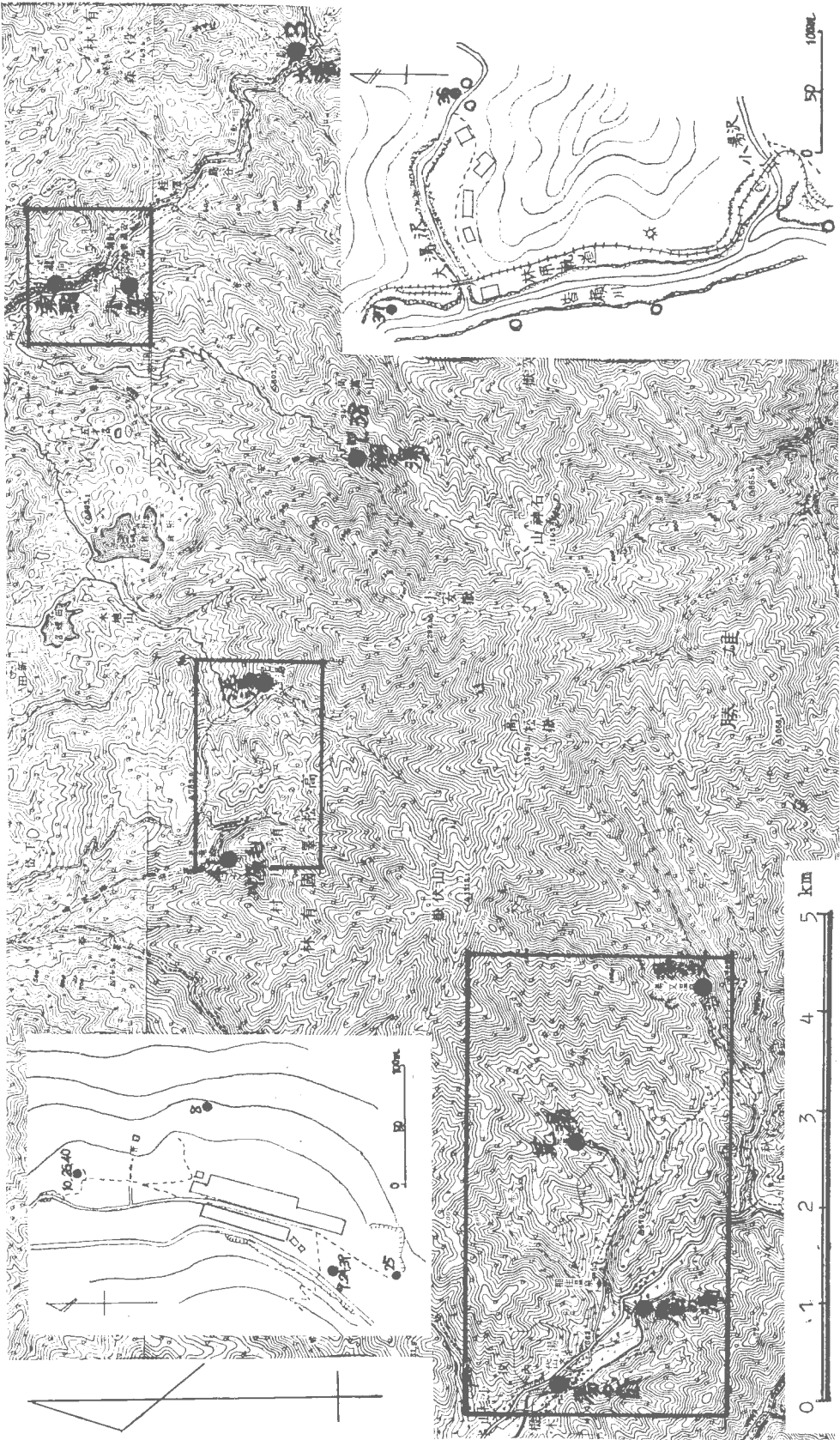
| ZN | N | F(%) | CU | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 32 | 78.5 | ND | 30 | 73.2 |
| <0.500 | 9 | 22.0 | <0.300 | 11 | 26.8 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 41 | 100.0 | TOTAL | 41 | 100.0 |

| PB | N | F(%) | AS | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 41 | 100.0 | ND | 28 | 68.3 |
| <0.100 | 0 | 0. | <0.050 | 4 | 9.8 |
| <1.000 | 0 | 0. | <0.500 | 6 | 14.6 |
| >1.000 | 0 | 0. | <5.000 | 3 | 7.3 |
| | | | >5.000 | 0 | 0. |
| TOTAL | 41 | 100.0 | TOTAL | 41 | 100.0 |

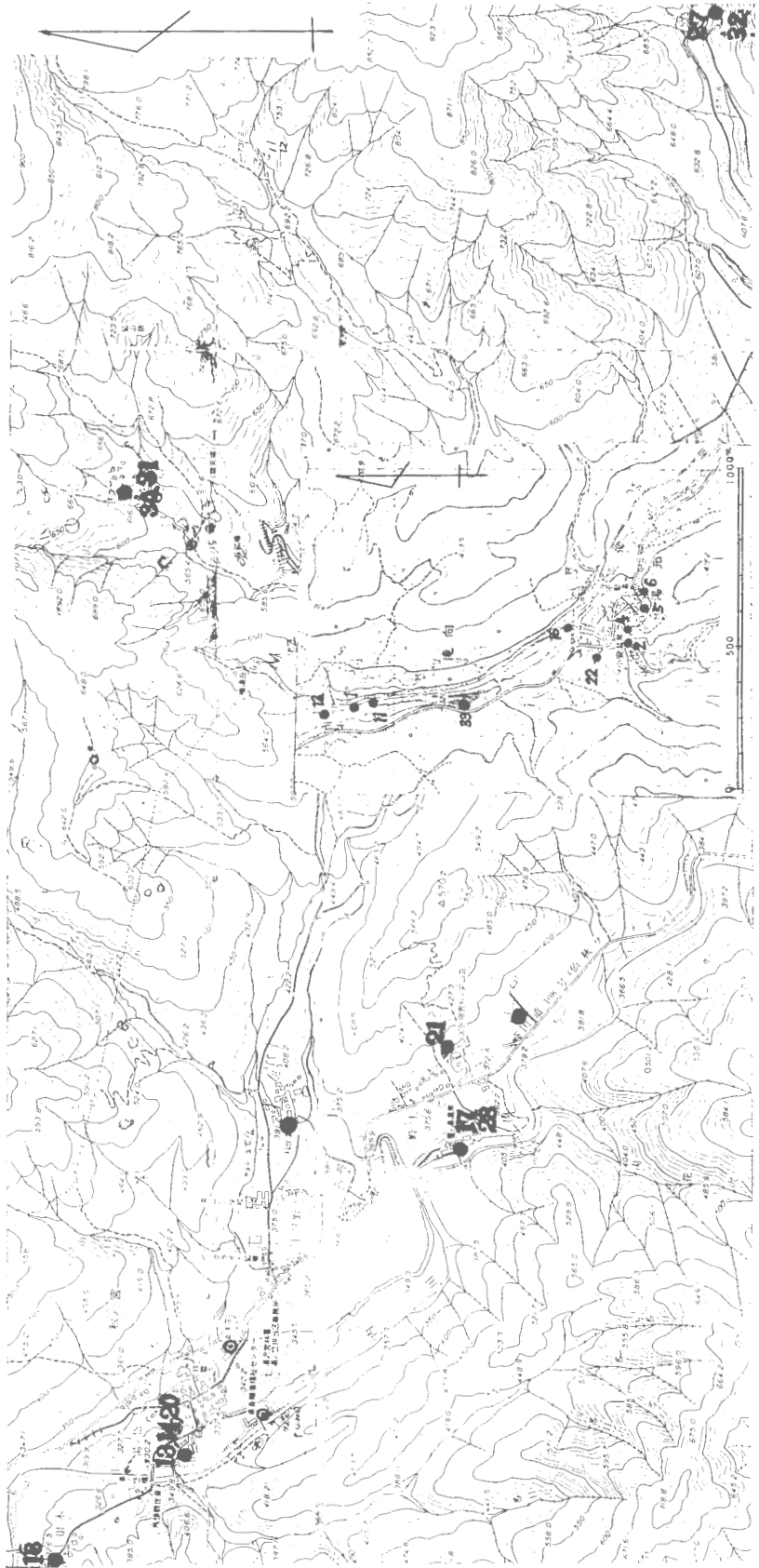
| H2S | N | F(%) | N= NUMBER OF SAMPLES F= FREQUENCY(%) | |
|----------|----|-------|---|--|
| ND | 14 | 34.1 | | |
| < 1.000 | 10 | 24.4 | | |
| < 10.000 | 14 | 34.1 | | |
| <100.000 | 3 | 7.3 | | |
| >100.000 | 0 | 0. | | |
| TOTAL | 41 | 100.0 | | |

第10-1図 栗駒北部地域における温泉分布および試料採取地

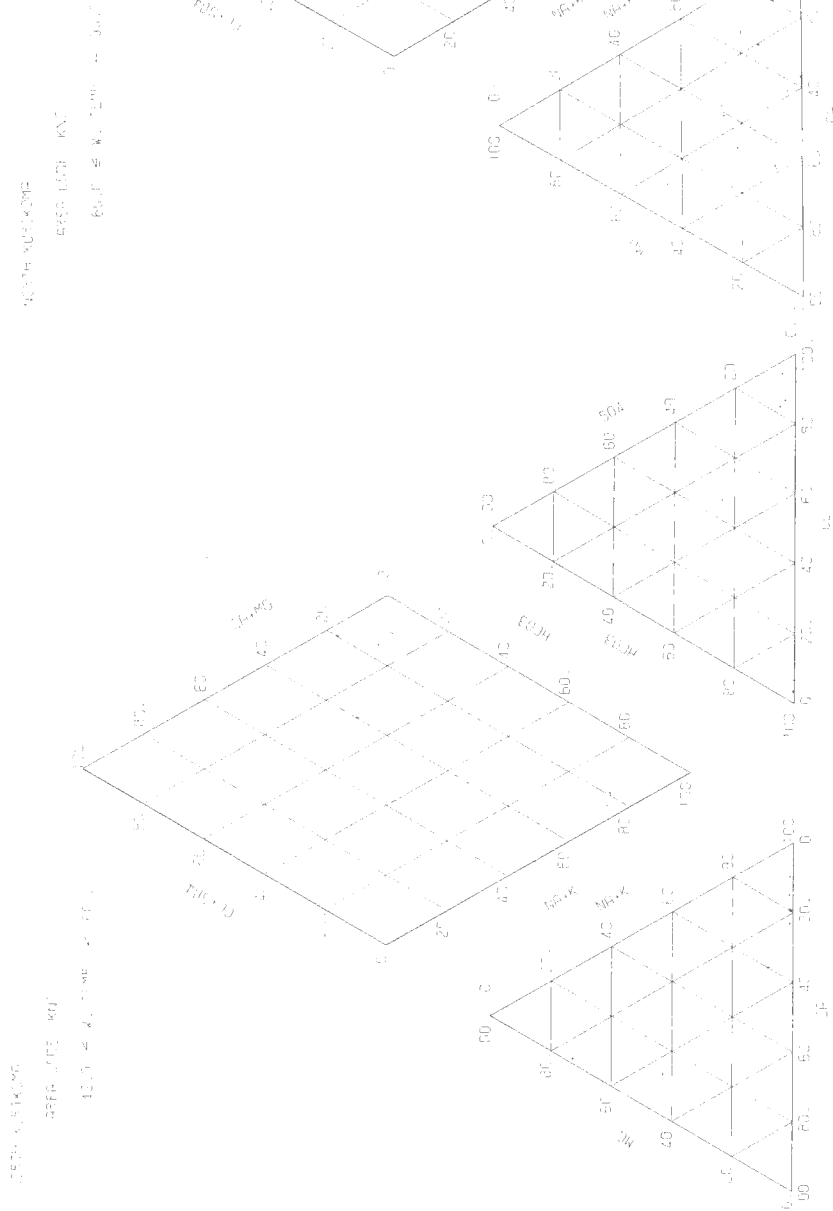
左上：中村久由ほか（1955）による泥湯地区の拡大図
右下：中村久由ほか（1955）による大湯地区の拡大図



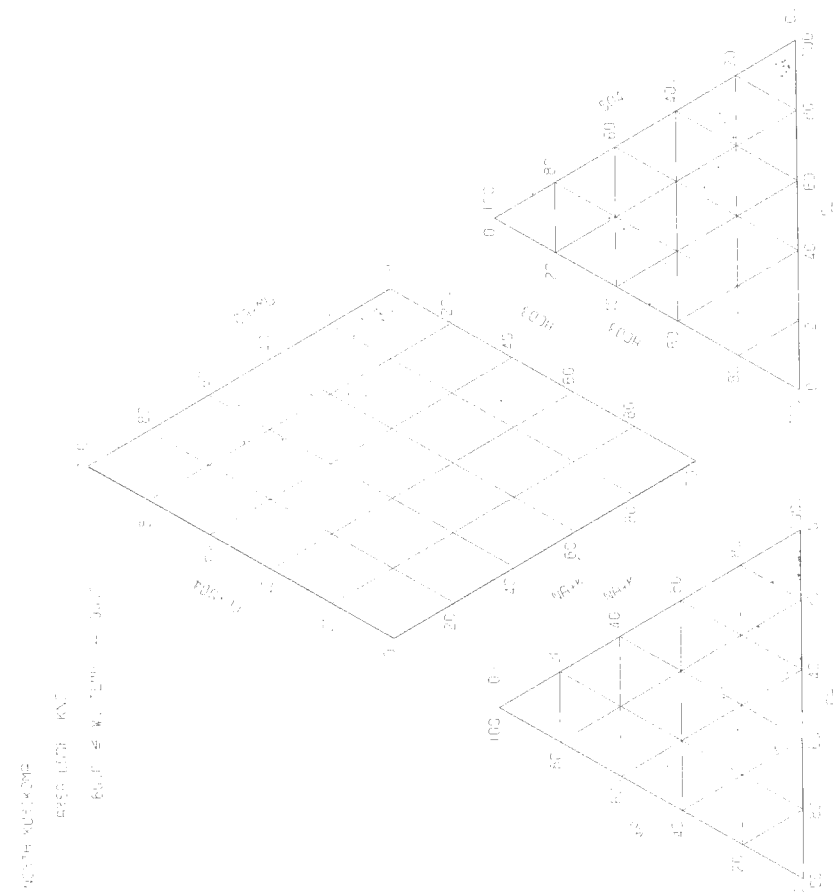
第10-2図 試料採取地(湯の谷, 鷹の谷, 荒湯, 湯の又地区)
中央下: 小安地区拡大図



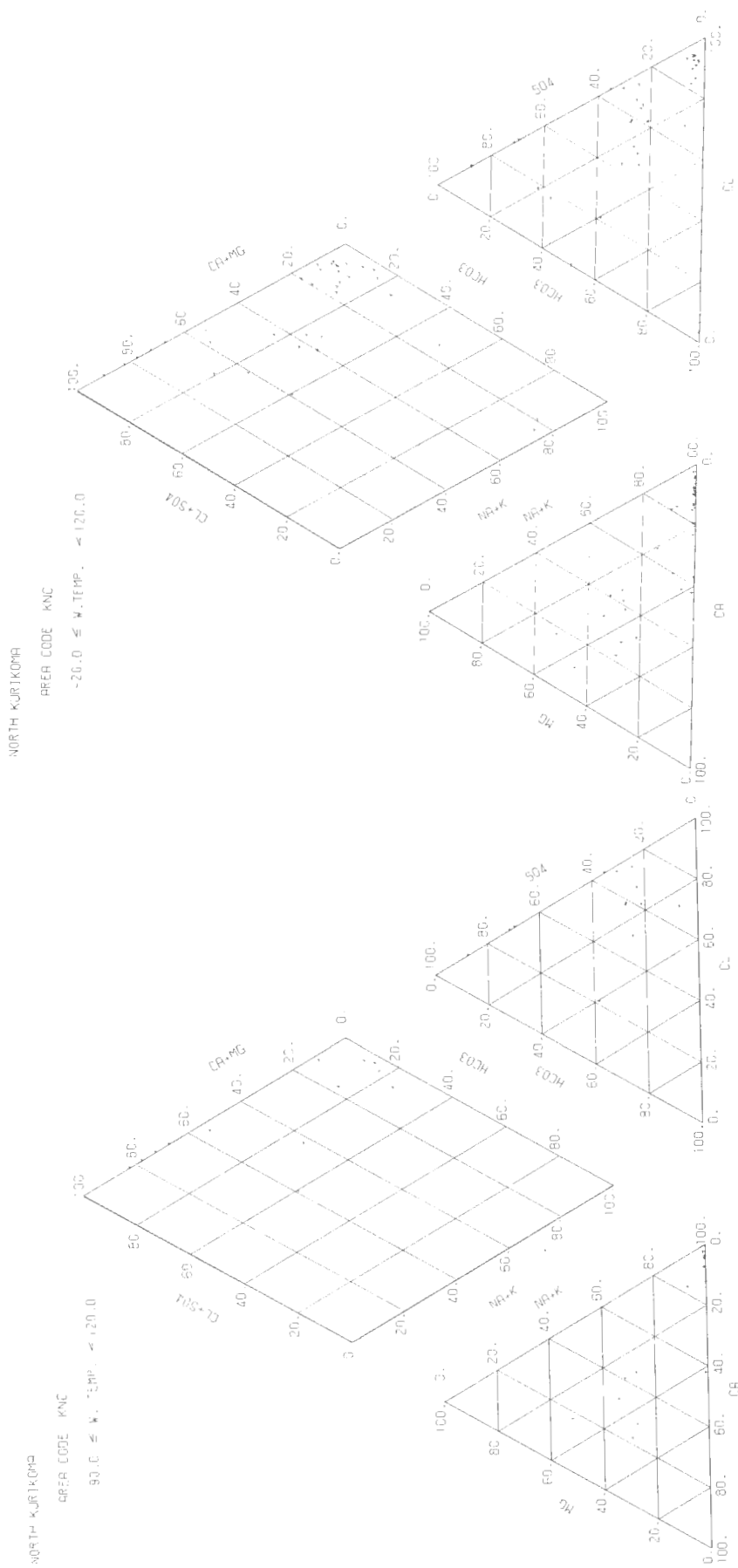
第10-3図 栗駒北部地域水質組成図(その1) (水温42℃以上60℃未満)



第10-3図 栗駒北部地域水質組成図(その2) (水温60℃以上90℃未満)

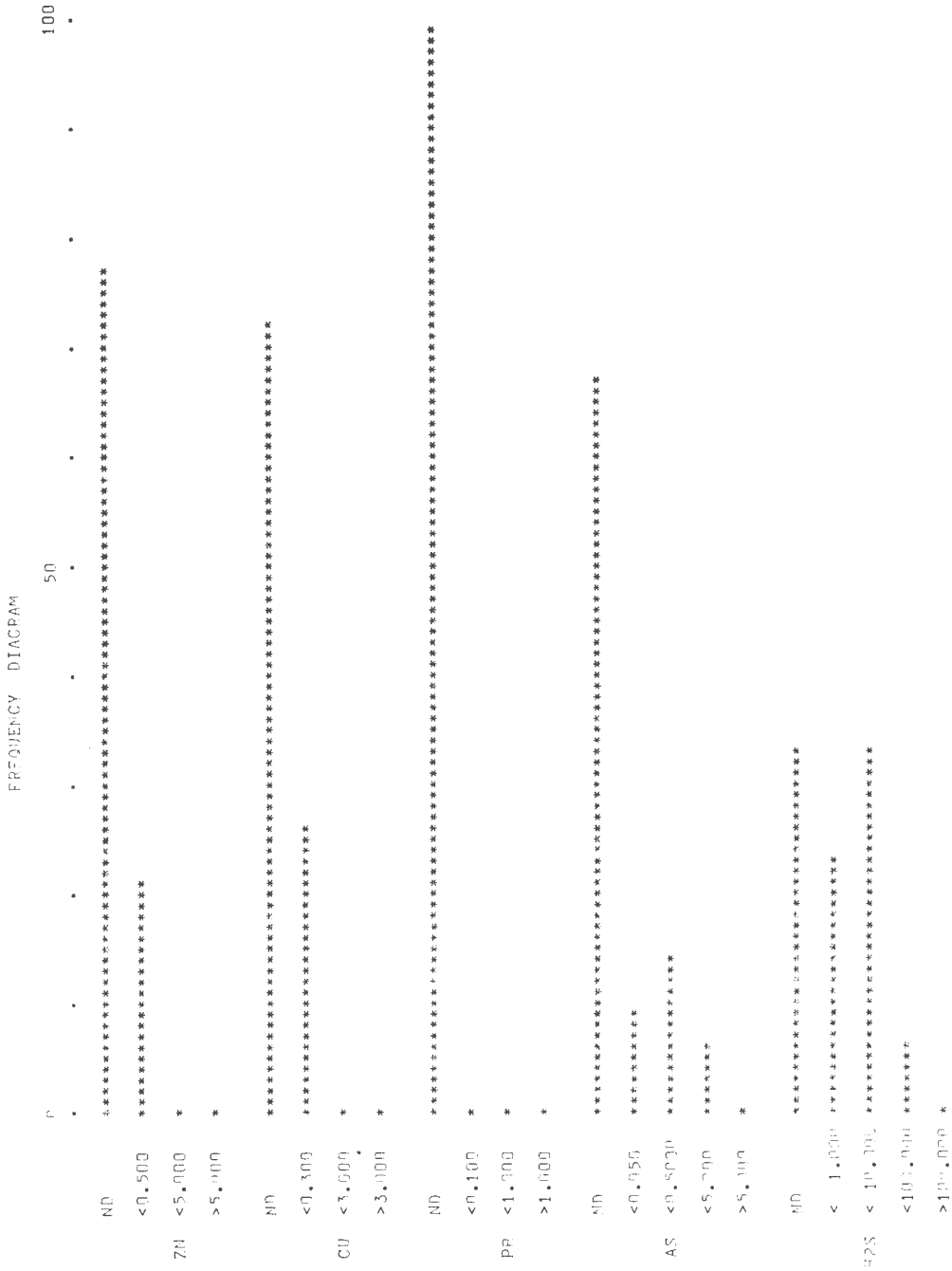


第10-3図 栗駒北部地域水質組成図(その3) (水温90℃以上120℃未満)



第10-3図 栗駒北部地域水質組成図(その4) (全試料)

第10-4 図 栗駒北部地域特定成分量の頻度分布図



11. 栗駒南部

Southern part of Kurikoma

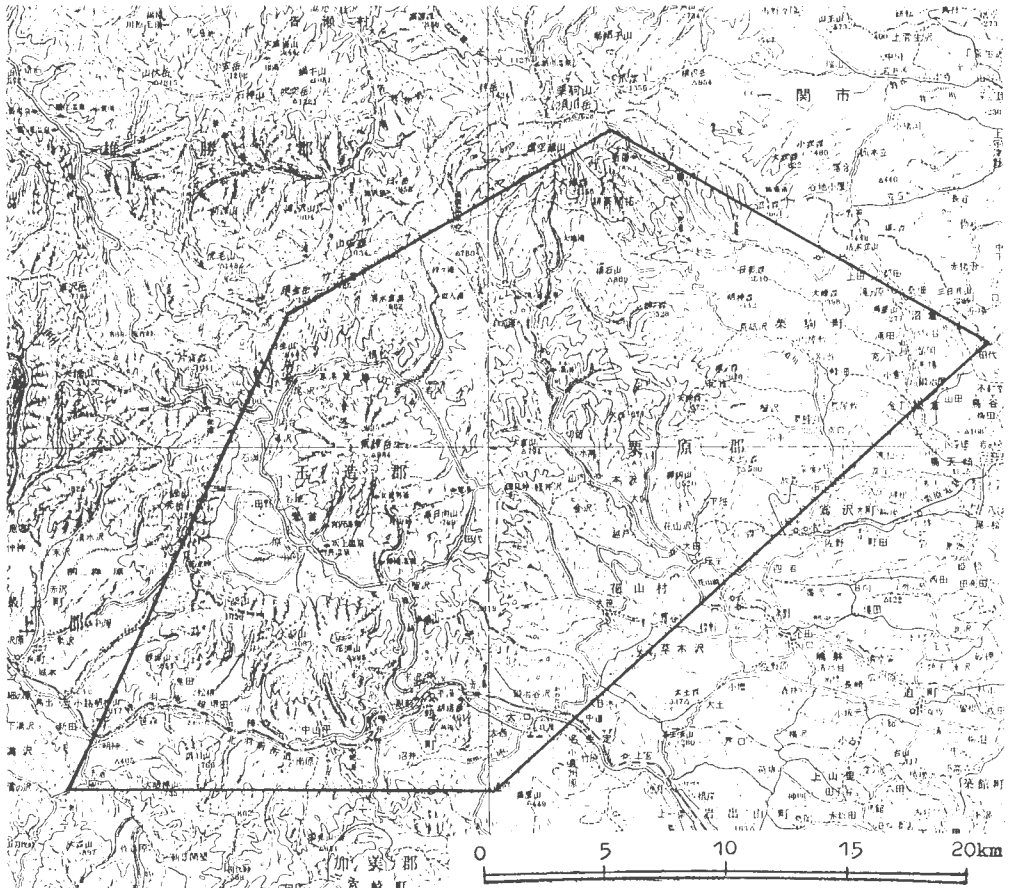
位置 宮城県栗原郡栗駒町，同郡花山村，玉造郡鳴子町，
山形県最上郡最上町

データ数 211

収集・整理 阿部智彦・比留川 貴

協力 宮城県衛生研究所，山形県衛生研究所

調査位置図（20万分の1地勢図 新庄）



第11-1表 栗駒南部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備考 |
|-------|----------------|-----|-----|----------|------------|-----------|----------------|-------------------------|
| KSC-1 | 山形県最上郡最上町富沢 | | 山 | ひやま山荘2号 | 1968. 2.22 | 76 | 17098 | P |
| "-2 | " | " | " | ひやま山荘 | 1966. 6. 7 | " | 1966 | P |
| "-3 | " | " | 赤 | 湯沢尾新 | 1967. 1.23 | " | 18949 | D=187m, Q=40.5//m, P, X |
| "-4 | " | " | " | 三之函1号 | 1961. 6. 9 | " | 1947 | D=72.7m, Q=95.7//m, P |
| "-5 | " | " | " | 三之函2号 | " 6. 9 | " | 1948 | D=153m, Q=54.0//m, P |
| "-6 | " | " | " | みどりや | " 6. 8 | " | 1949 | D=106m, Q=54.5//m, P |
| "-7 | " | " | " | 阿部旅館3号 | " 6. 8 | " | 1951 | D=0m, Q=180//m, P |
| "-8 | " | " | " | 共同浴場 | " 6. 8 | " | 1952 | D=0m, Q=86//m, P |
| "-9 | " | " | " | 湯沢屋1号 | " 6. 8 | " | 1953 | D=87m, Q=3.6//m, P |
| "-10 | " | " | " | 湯沢屋2号 | " 6. 8 | " | 1954 | P |
| "-11 | " | " | " | 佐藤屋 | " 6. 8 | " | 1955 | D=39.4m, Q=95.2//m, P |
| "-12 | " | " | " | 大黒屋 | " 6. 8 | " | 1956 | D=96.6m, Q=134//m, P |
| "-13 | " | " | " | 最上荘 | " 6. 8 | " | 1957 | D=201m, Q=54//m, P |
| "-14 | " | " | " | 赤倉ホテル1号 | " 6. 8 | " | 1958 | D=68.5m, Q=54//m, P |
| "-15 | " | " | " | 赤倉ホテル2号 | " 6. 8 | " | 1959 | D=187m, Q=95//m, P |
| "-16 | " | " | " | 橋本 | " 6. 8 | " | 1961 | D=303m, Q=24//m, P |
| "-17 | " | " | " | 大場 | " 6. 7 | " | 1962 | D=81.8m, Q=40//m, P |
| "-18 | " | " | " | 山田屋 | " 6. 7 | " | 1963 | D=34.6m, Q=54//m, P |
| "-19 | " | " | " | 村川 | " 6. 7 | " | 1964 | D=196m, Q=68//m, P |
| "-20 | " | " | " | 高山 | " 6. 7 | " | 1965 | P, X |
| "-21 | " | " | " | 赤倉ホテル3号 | " 6. 8 | " | 1960 | D=215m, Q=270//m, P |
| "-22 | " | " | " | 阿部旅館1号 | " 6. 9 | " | 1950 | D=165m, Q=30//m, P |
| "-23 | 宮城県玉造郡鳴子町河原湯65 | | 鳴 | 姥の湯 | 1955. 2. 2 | 38 | 51 | D=36m, Q=23//m, P |
| "-24 | " | " | 東 | 馬場の湯2号 | 1959.10.21 | " | 140 | D=350m, Q=180//m, F |
| "-25 | " | " | 鳴 | 赤通2号 | 1972.11.21 | " | 322 | D=300m, Q=70.5//m, F |
| "-26 | " | " | 神 | 滝(大場とくよ) | 1955.11.26 | " | 101 | D=0m, Q=0m, F |
| "-27 | " | " | 宮 | 沢(大山寛造) | 1968. 9. 2 | " | 256 | D=0m, Q=30//m, F |
| "-28 | " | " | 鳴 | 西多賀の湯2号 | 1955. 2. 2 | " | 55 | Q=21.6//m, F |
| "-29 | " | " | " | 東多賀の湯1号 | " 2. 2 | " | 54 | Q=150//m, F |
| "-30 | " | " | " | 赤通2号 | 1973. 4.12 | " | 337 | D=300m, Q=70.5//m, F |
| "-31 | " | " | " | 大畑 | " 4.18 | " | 338 | F |
| "-32 | " | " | " | 末永2号 | " 4.18 | " | 340 | D=150m, Q=100//m, F |
| "-33 | " | " | " | 奥鳴子1号 | " 4.12 | " | 328 | Q=72//m, P |
| "-34 | " | " | 中 | 元蛇の湯 | " 4.18 | " | 341 | D=130m, F |
| "-35 | " | " | 鳴 | 徳陽相互銀行 | " 4.25 | " | 343 | D=300m, F |
| "-36 | " | " | " | " | " 4.25 | " | 342 | F |
| "-37 | " | " | " | 末沢2号 | " 4.25 | " | 344 | D=200m, Q=24//m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備考 |
|--------|------------------|-----|-----|----------------|-------------|-----------|-------------------|----------------------|
| KSC-38 | 宮城県玉造郡鳴子町末沢西16の2 | 鳴 | 子 | 末沢3号 | 1973. 4. 25 | 38 | 345 | Q=85.7l/m, F |
| " | " | " | " | 大畑1号 | " 4. 25 | " | 346 | Q=150l/m, F |
| " | " | " | " | (遊佐昭六) | " 4. 25 | " | 347 | D=75m, F |
| " | " | " | " | 大口久田42 | " 11. 15 | " | 368 | Q=108l/m, F, X |
| " | " | " | " | 大口赤遣78 | " 11. 20 | " | 370 | Q=240l/m, F, X |
| " | " | " | " | 大口蓮田60の1 | " 11. 26 | " | 371 | F, X |
| " | " | " | " | " 5の1 | " 11. 26 | " | 372 | Q=156l/m, F, X |
| " | " | " | " | " 46の1 | " 11. 26 | " | 373 | Q=69.8l/m, F, X |
| " | " | " | " | 大口石の梅94 | " 11. 26 | " | 374 | Q=168l/m, F, X |
| " | " | " | " | 大口上の原75 | " 11. 26 | " | 375 | D=550m, F, X |
| " | " | " | " | 湯元73の5 | " 11. 20 | " | 378 | D=120m, F |
| " | " | " | " | " 54 | " 11. 20 | " | 46 | D=0m, Q=3.3l/m, F |
| " | " | " | " | " 76 | 1955. 2. 1 | " | 47 | D=150m, Q=35.5l/m, F |
| " | " | " | " | " 47の2 | " 2. 1 | " | 48 | D=300m, Q=5.4l/m, F |
| " | " | " | " | " 77の1 | " 2. 2 | " | 50 | Q=6.0l/m, F |
| " | " | " | " | " 31の3 | " 2. 1 | " | 49 | Q=11.7l/m, F |
| " | " | " | " | 新屋敷22 | " 2. 2 | " | 52 | Q=8.8l/m, F, X |
| " | " | " | " | 車湯18 | " 2. 2 | " | 53 | Q=9.8l/m, F |
| " | " | " | " | 新屋敷7 | " 2. 3 | " | 56 | Q=8.5l/m, F |
| " | " | " | " | " 8の3 | " 2. 3 | " | 57 | F |
| " | " | " | " | 車湯103 | " 2. 28 | " | 69 | Q=220l/m, F |
| " | " | " | " | 新屋敷菅原裏 | " 2. 28 | " | 68 | Q=16.8l/m, F, X |
| " | " | " | " | 新屋敷124の1 | " 2. 28 | " | 67 | Q=20.0l/m, F |
| " | " | " | " | 湯元ホテル裏 | " 2. 28 | " | 66 | Q=18.0l/m, F, X |
| " | " | " | " | 車湯32の3 | " 2. 28 | " | 74 | Q=1.8l/m, F |
| " | " | " | " | 未沢1 | " 2. 28 | " | 134 | Q=90.0l/m, F |
| " | " | " | " | 車湯32 | 1959. 5. 29 | " | 142 | Q=53.0l/m, F |
| " | " | " | " | 湯元31の3 | " 10. 22 | " | 132 | D=146m, Q=34.6l/m, F |
| " | " | " | " | " 48 | " 6. 14 | " | 150 | Q=9.4l/m, F |
| " | " | " | " | 河原湯65 | " 6. 14 | " | 151 | Q=9.4l/m, F |
| " | " | " | " | 新屋敷33の1 | " 6. 14 | " | 152 | Q=46.5l/m, P |
| " | " | " | " | " 68の5 | " 6. 16 | " | 153 | Q=23.1l/m, F |
| " | " | " | " | " 38の1 | " 6. 16 | " | 154 | Q=8.3l/m, F |
| " | " | " | " | 湯元31の9および31の10 | " 6. 16 | " | 155 | Q=8.6l/m, F |
| " | " | " | " | 新屋敷68の4および69の3 | 1962. 4. 17 | " | 166 | F |
| " | " | " | " | " 94の1 | " 4. 14 | " | 167 | F |
| " | " | " | " | 湯元54 | " 4. 17 | " | 168 | Q=235l/m, F |
| " | " | " | " | 車湯87の1 | " 4. 19 | " | 169 | Q=26.8l/m, F |
| " | " | " | " | | " 4. 19 | " | 170 | Q=63.2l/m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の no. 試料 no. | 備考 |
|--------|--------------|-----|-----|---------|------------|-------|--------------------|----------------|
| KSC-76 | 宮城県玉造郡鳴子町新屋敷 | 東 | 鳴子 | 町有1号 | 1962.11.19 | 38 | 172 | Q=36.1/m, F |
| " | " | " | " | 下地獄9号 | " 11.19 | " | 174 | Q=38.0/m, F |
| " | " | " | " | (滝島みよ) | " 11.20 | " | 175 | Q=3/m, F |
| " | " | " | " | 農民の家2号 | " 11.20 | " | 176 | Q=38.7/m, F |
| " | " | " | " | 沢子の湯 | 1973.4.12 | " | 336 | Q=150.1/m, P |
| " | " | " | " | (高橋寿) | 1963.12.3 | " | 196 | Q=14.4/m, P |
| " | " | 鳴 | 子 | 宮原旅館 | 1965.7.30 | " | 226 | Q=50.7/m, F, X |
| " | " | " | " | 観光荘 | " 7.30 | " | 227 | F, X |
| " | " | " | " | 姥の湯 | 1966.3.23 | " | 233 | Q=120.1/m, F |
| " | " | " | " | 高繁2号 | " 3.23 | " | 232 | Q=94.0/m, F |
| " | " | " | " | 東多賀の湯3号 | " 3.24 | " | 234 | Q=20.0/m, F |
| " | " | " | " | 上地獄2号 | " 3.23 | " | 235 | Q=20.0/m, F |
| " | " | " | " | 一の坂下 | 1967.4.20 | " | 248 | Q=327.1/m, F |
| " | " | " | " | 河原の湯 | " 4.20 | " | 250 | Q=128.1/m, F |
| " | " | " | " | 湯沼2号 | 1970.7.14 | " | 274 | Q=180.1/m, F |
| " | " | " | " | 鳴子分院1号 | " 7.14 | " | 275 | Q=55.8/m, F |
| " | " | " | " | 鳴子分院2号 | " 7.14 | " | 276 | Q=58.2/m, F |
| " | " | " | " | 鳴子分院3号 | " 7.14 | " | 277 | Q=13.8/m, F |
| " | " | " | " | 鳴子分院4号 | " 7.14 | " | 278 | F |
| " | " | " | " | 農民の家5号 | 1971.8.9 | " | 286 | Q=33.0/m, F |
| " | " | " | " | 横屋ホテル山荘 | " 8.9 | " | 289 | F |
| " | " | " | " | 1号 | " 8.9 | " | 290 | F |
| " | " | " | " | 七十七銀行 | " 8.9 | " | 291 | Q=102.1/m, F |
| " | " | 川 | 渡 | 玉造荘2号 | " 8.9 | " | 301 | Q=68.9/m, F, X |
| " | " | 鳴 | 子 | 鳴子分院5号 | 1972.9.28 | " | 302 | F |
| " | " | " | " | 鳴子分院混合 | " 9.28 | " | 310 | F |
| " | " | " | " | タンク | " 9.28 | " | 311 | Q=7.8/m, F |
| " | " | " | " | 鳴子ホテル混合 | " 9.28 | " | 312 | Q=54.0/m, F |
| " | " | " | " | タンク | " 9.28 | " | 319 | Q=19.5/m, F, X |
| " | " | " | " | 観光ホテル2号 | " 11.13 | " | 325 | Q=80.1/m, F, X |
| " | " | " | " | ゆきや新鯉湯 | " 11.21 | " | 324 | Q=12.1/m, F |
| " | " | " | " | 黄金荘 | " 11.21 | " | 323 | Q=15.5/m, F, X |
| " | " | " | " | 久田2号 | " 11.21 | " | 321 | F, X |
| " | " | " | " | 久田1号 | " 11.21 | " | 318 | P, X |
| " | " | " | " | 沢子の湯 | " 11.21 | " | 195 | Q=15.3/m, F |
| " | " | " | " | 末沢1号 | " 11.13 | " | | |
| " | " | " | " | 滝島 | 1963.12.3 | " | | |
| " | " | " | " | 上地獄3号 | | " | | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の no. 試料 | 備考 |
|---------|------------------|------|------------|------------|------------|-------|----------------|----------------------|
| KSC-111 | 宮城県玉造郡鳴子町新屋敷25の4 | 鳴子 | 湯屋楼裏 | 湯屋楼裏 | 1963.12.3 | 38 | 193 | D=80m, F, X |
| " | " | " | 国立病院3号 | 国立病院3号 | " 12.4 | " | 192 | D=134m, Q=218l/m, F |
| " | " | " | 国立病院2号 | 国立病院2号 | " 12.4 | " | 191 | D=140m, Q=150l/m, F |
| " | " | " | 滝の湯 | 滝の湯 | 1962.11.20 | " | 177 | Q=140l/m, F |
| " | " | 東 | 大沼1, 2, 3号 | 大沼1, 2, 3号 | 1973.4.18 | " | 339 | Q=40l/m, F |
| " | " | " | 混合 | 混合 | | | | |
| " | " | " | 元湯 | 元湯 | 1959.5.28 | " | 135 | D=254m, Q=4.0l/m, F |
| " | " | " | 唐竹 | 唐竹 | " 5.28 | " | 136 | D=75m, Q=86l/m, F |
| " | " | " | 動力揚湯 | 動力揚湯 | " 5.28 | " | 137 | D=4m, Q=378l/m, P |
| " | 国道石巻酒田線敷地内 | " | 新井2号 | 新井2号 | " 10.21 | " | 141 | D=250m, Q=58l/m, F |
| " | " | " | 温泉組合 | 温泉組合 | 1963.12.4 | " | 194 | Q=20.8l/m, F |
| " | " | " | (遠藤久志) | (遠藤久志) | 1966.3.23 | " | 231 | D=520m, Q=42l/m, F |
| " | " | 鳴 | 赤這湯1号 | 赤這湯1号 | 1967.4.20 | " | 249 | D=300m, Q=104l/m, F |
| " | " | " | まるみや2号 | まるみや2号 | 1971.8.9 | " | 292 | Q=3.5l/m, F |
| " | " | " | 東の湯 | 東の湯 | " 8.10 | " | 293 | Q=120l/m, F, X |
| " | " | " | 中野2号 | 中野2号 | 1972.11.13 | " | 320 | Q=330l/m, F |
| " | " | 東 | 池の淵 | 池の淵 | 1954.3.31 | " | 2 | D=280m, Q=6.7l/m, F |
| " | " | " | 西の畑 | 西の畑 | " 3.30 | " | 3 | D=285m, Q=8.3l/m, F |
| " | " | " | 鶯の湯 | 鶯の湯 | " 3.30 | " | 4 | D=300m, Q=6.8l/m, F |
| " | " | " | 鶯の湯 | 鶯の湯 | 1952.12.24 | " | 1 | D=400m, Q=20l/m, F |
| " | " | " | 幸の湯 | 幸の湯 | 1955.3.1 | " | 71 | D=242m, Q=18l/m, F |
| " | " | " | 友の湯 | 友の湯 | " 3.1 | " | 72 | D=272m, Q=25.8l/m, F |
| " | " | " | 玉の湯 | 玉の湯 | " 3.1 | " | 73 | D=242m, Q=21.9l/m, F |
| " | " | " | 土蔵わき | 土蔵わき | 1956.3.30 | " | 107 | D=310m, Q=23l/m, F |
| " | " | " | 堰向い | 堰向い | " 3.30 | " | 108 | D=300m, Q=14.4l/m, F |
| " | " | 川 | 町下1号 | 町下1号 | 1973.11.15 | " | 369 | D=300m, Q=7.5l/m, F |
| " | " | " | 沼倉の湯 | 沼倉の湯 | 1954.3.29 | " | 5 | D=94.5m, Q=47l/m, F |
| " | " | " | 東五郎湯 | 東五郎湯 | 1955.2.4 | " | 64 | D=136m, Q=48.6l/m, F |
| " | " | " | 滝の湯 | 滝の湯 | " 2.4 | " | 63 | D=140m, Q=188l/m, F |
| " | " | " | 玉造荘1号 | 玉造荘1号 | " 2.4 | " | 62 | D=120m, Q=162l/m, F |
| " | " | " | 不動の湯 | 不動の湯 | " 2.4 | " | 65 | D=150m, Q=10l/m, F |
| " | " | 東 | 馬場の湯1号 | 馬場の湯1号 | " 3.1 | " | 75 | D=360m, Q=93l/m, F |
| " | " | 川 | 真愈の湯 | 真愈の湯 | 1956.3.29 | " | 105 | D=180m, Q=154l/m, F |
| " | " | " | (川渡支所) | (川渡支所) | " 3.29 | " | 106 | Q=192l/m, F |
| " | " | (鬼首) | 枯木原 no.2 | 枯木原 no.2 | 1973.11.15 | " | 364 | Q=782l/m, F, X |
| " | " | () | 枯木原 no.3 | 枯木原 no.3 | " 11.15 | " | 365 | Q=625l/m, F, X |
| " | " | () | 枯木原 no.5 | 枯木原 no.5 | " 11.15 | " | 366 | Q=65.9l/m, F, X |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|---------|------------------|-----|---------|-----|--------------|-------|----------------|-----------------------|
| KSC-184 | 宮城県王造郡鳴子町星沼75の14 | 中山平 | 記の湯 | 湯 | 1964. 2. 28 | 38 | 199 | Q=87.3 l/m, F |
| -185 | " " " " 1の13 | " " | 不二の湯 | " " | 1965. 7. 29 | " " | 223 | Q=14.4 l/m, P |
| -186 | " " " " 36の6 | " " | 観光1号 | " " | " " 7. 29 | " " | 224 | F, X |
| -187 | " " " " 28の2 | " " | 吹の湯 | " " | " " 7. 29 | " " | 225 | F |
| -188 | " " " " 61の1 | " " | 菊の湯 | " " | 1967. 4. 18 | " " | 245 | D=200m, Q=60 l/m, F |
| -189 | " " " " 22 | " " | 薬師の湯 | " " | " " 4. 18 | " " | 246 | D=250m, Q=32.5 l/m, F |
| -190 | " " " " 167の5 | " " | 中山ホテル1号 | " " | " " 4. 18 | " " | 247 | D=230m, F |
| -191 | " " " " 19の1 | " " | 養老の湯 | " " | 1969. 3. 29 | " " | 258 | D=220m, Q=13.6 l/m, F |
| -192 | " " " " 15の3 | " " | 白須1号 | " " | 1959. 10. 30 | " " | 145 | D=150m, Q=1.2 l/m, F |
| -193 | " " " " 33 | " " | 新星の湯 | " " | " " 10. 29 | " " | 146 | D=150m, Q=75.6 l/m, F |
| -194 | " " " " 13の17 | " " | 吹上の湯2号 | " " | 1962. 4. 19 | " " | 171 | Q=14 l/m, F |
| -195 | " " " " 大口赤湯40 | 東鳴子 | 御殿の湯 | " " | 1955. 2. 3 | " " | 60 | D=0m, Q=3.8 l/m, F |
| -196 | " " " " " 40 | " " | 黒湯 | " " | " " 2. 3 | " " | 59 | D=0m, Q=45 l/m, F |
| -197 | " " " " " 40 | " " | 八軒戸 | " " | " " 2. 3 | " " | 61 | Q=27 l/m, F |
| -198 | " " " " " 40 | " " | 仙台鉄道管理局 | " " | " " 2. 3 | " " | 58 | D=0m, Q=7.2 l/m, F |
| -199 | " " " " " 12の3 | " " | 子宝の湯 | " " | " " 3. 1 | " " | 70 | D=218m, Q=3.9 l/m, F |
| -200 | " " " " 星沼15 | 中山平 | 林の湯 | " " | 1973. 11. 20 | " " | 380 | F |
| -201 | " " " " " 15 | " " | 白川の湯 | " " | 1955. 3. 3 | " " | 84 | Q=19 l/m, F |
| -202 | " " " " " 13 | " " | 吹上の湯1号 | " " | " " 3. 3 | " " | 83 | Q=23.4 l/m, F |
| -203 | " " " " " 32 | " " | 元蛇の湯 | " " | " " 3. 3 | " " | 82 | Q=22 l/m, F |
| -204 | " " " " " 61 | " " | 東蛇の湯 | " " | " " 3. 2 | " " | 81 | Q=56.4 l/m, F |
| -205 | " " " " " 31 | " " | 星の湯 | " " | " " 3. 2 | " " | 80 | Q=21.6 l/m, F |
| -206 | " " " " " 68の1 | " " | 沢の湯 | " " | " " 3. 2 | " " | 79 | D=150m, Q=9.7 l/m, F |
| -207 | " " " " " 54 | " " | 共同湯 | " " | " " 3. 2 | " " | 78 | Q=250m, Q=14.9 l/m, F |
| -208 | " " " " " 28の2 | " " | 中山温泉 | " " | " " 3. 2 | " " | 77 | D=0m, Q=4.7 l/m, F |
| -209 | " " " " " 28 | " " | 滝の湯 | " " | " " 3. 1 | " " | 76 | Q=66.4 l/m, F |
| -210 | " " " " " 68の1 | " " | 沢の湯 | " " | 1959. 10. 29 | " " | 143 | D=250m, Q=14.4 l/m, F |
| -211 | " " " " " 54の1 | " " | 高砂湯 | " " | " " 10. 29 | " " | 144 | D=250m, Q=25.2 l/m, F |

温泉名の()は角(1975)にないもの、源泉名の()は申請者名、

備考のDは深度(m), Qは湧(揚)水量(l/m), Fは白頭, Pはポンプ揚水, D=0m……Fは自然湧出, Xは源泉位置不明を示す。

第11-2表 梁駒南部地域水質一覽表

| | KSC 1 | KSC 2 | KSC 3 | KSC 4 |
|----------------------------------|----------|----------|----------|----------|
| NO | | | | |
| TEMP | 69.2 | 56.2 | 70.5 | 61.8 |
| TSM | 1170.000 | 1144.000 | 1125.000 | 1134.000 |
| PH(FD) | 8.10 | 8.20 | 8.50 | 8.10 |
| PH(LB) | 8.10 | 8.20 | 8.60 | 8.10 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 6.872 | 6.491 | 5.163 | 7.194 |
| NA | 181.100 | 174.400 | 184.200 | 173.100 |
| NH4 | | | | |
| CA | 163.600 | 157.700 | 144.400 | 156.500 |
| MG | 1.315 | 1.208 | 3.038 | 7.809 |
| FE | 1.204 | 0.043 | 0.052 | 0.099 |
| MN | | | | 0.030 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.784 | 0.772 | 0.086 | 0.774 |
| CL | 44.880 | 43.620 | 51.580 | 52.840 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.022 | 0.027 | 0.054 | 0.022 |
| S04 | 712.800 | 686.100 | 653.900 | 667.200 |
| S203 | | | | |
| HC03 | 26.550 | 26.650 | 35.570 | 32.450 |
| C03 | 0.198 | 0.246 | 0.654 | 0.008 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 39.004 | 40.004 | 48.004 | 40.000 |
| H3P04 | 4.676 | 5.101 | 4.251 | 4.605 |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 0.511 | 0.405 | 0.273 | 0.625 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 44.815 | 45.690 | 60.670 | 40.918 |
| CA/(HC03+C03) | 18.480 | 17.684 | 11.914 | 14.466 |
| MG/CA | 0.013 | 0.013 | 0.035 | 0.013 |
| NA/CA | 0.965 | 0.964 | 1.112 | 0.964 |
| CL/(HC03+C03) | 2.866 | 2.765 | 2.406 | 2.761 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 7.651 | 7.710 | 9.283 | 9.362 |
| S04*100/(CL+S04+HC03+C03) | 89.680 | 89.502 | 86.858 | 87.247 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.669 | 2.788 | 3.859 | 3.391 |
| (NA+K)*100/(NA+K+CA+MG) | 49.332 | 49.312 | 52.209 | 49.377 |
| CA*100/(NA+K+CA+MG) | 50.005 | 50.105 | 46.189 | 49.988 |
| MG*100/(NA+K+CA+MG) | 0.663 | 0.632 | 1.603 | 0.635 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.331 | 97.212 | 96.141 | 96.609 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.669 | 2.788 | 3.859 | 3.391 |
| (NA+K)*100/(NA+K+CA+MG) | 49.332 | 49.312 | 52.209 | 49.377 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.669 | 50.688 | 47.791 | 50.623 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| NO | KSC 5 | KSC 6 | KSC 7 | KSC 8 |
|----------------------------------|----------|----------|---------|---------|
| TEMP | 61.3 | 65.5 | 60.5 | 38.8 |
| TSM | 1204.000 | 1102.000 | 920.000 | 752.000 |
| PH(FD) | 8.10 | 8.20 | 7.40 | 6.70 |
| PH(CR) | 8.10 | 8.60 | 7.40 | 6.70 |
| H (MG/KG)(PVAL/KG) | | | | |
| K | 8.211 | 8.680 | 0.222 | 0.184 |
| NA | 179.400 | 173.500 | 7.194 | 6.256 |
| NH4 | | | 143.500 | 116.300 |
| CA | 172.600 | 141.600 | 123.700 | 92.910 |
| MG | 1.036 | 1.507 | 0.535 | 0.778 |
| FE | 0.858 | 1.104 | 0.400 | 0.027 |
| MN | | | | 0.034 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 0.793 | 0.583 | 0.493 | 0.734 |
| CL | 55.670 | 46.330 | 1.307 | 30.500 |
| BR | | | | 0.860 |
| I | | | | |
| F | | | | |
| OH | 0.022 | 0.027 | 0.002 | 0.002 |
| S04 | 714.200 | 638.500 | 13.294 | 425.500 |
| S203 | | | | 0.000 |
| HC03 | 26.550 | 26.650 | 0.437 | 20.130 |
| C03 | 0.198 | 0.246 | 0.008 | 0.006 |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 39.004 | 50.004 | 0.833 | 47.006 |
| H3F04 | 4.676 | 4.821 | 0.110 | 3.546 |
| HAS02 | | | | 0.081 |
| C02 | | | | |
| H2S | 0.511 | 0.405 | 0.009 | 9.682 |
| RN (**E-10 CURIE/L) | | | | 0.220 |
| NA/K | 37.155 | 33.991 | 33.921 | 31.613 |
| CA/(HC03+C03) | 19.497 | 15.879 | 10.749 | 14.044 |
| MG/CA | 0.010 | 0.018 | 0.007 | 0.014 |
| NA/CA | 0.996 | 1.068 | 1.011 | 1.091 |
| CL/(HC03+C03) | 3.555 | 2.937 | 2.055 | 2.606 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 9.303 | 8.687 | 9.223 | 8.562 |
| S04*100/(CL+S04+HC03+C03) | 38.091 | 88.356 | 86.290 | 88.153 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.617 | 2.958 | 4.487 | 3.285 |
| (NA+K)*100/(NA+K+CA+MG) | 47.953 | 51.937 | 50.829 | 52.615 |
| CA*100/(NA+K+CA+MG) | 51.536 | 47.234 | 48.823 | 48.739 |
| MG*100/(NA+K+CA+MG) | 0.510 | 0.829 | 0.348 | 0.645 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.383 | 97.042 | 95.513 | 96.715 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.617 | 2.958 | 4.487 | 3.285 |
| (NA+K)*100/(NA+K+CA+MG) | 47.953 | 51.937 | 50.829 | 52.615 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.047 | 48.063 | 49.171 | 47.585 |

第11-2表 栗駒南部地域水質一覧表 (つづき)

| NO | TEMP | TSM | PH(PD) | PH(LB) | KSC 9 | | KSC 10 | | KSC 11 | | KSC 12 | |
|----------------------------------|------|----------|--------|--------|----------|--------|--------|---------|--------|------|----------|--------|
| | | | | | 68.5 | 68.0 | 68.0 | 58.8 | 65.5 | 65.5 | 1113.000 | 8.20 |
| | | 1122.000 | | | 1095.000 | | | 987.000 | | | | |
| | | 8.10 | | | 8.10 | | | 8.20 | | | | |
| | | 8.10 | | | 8.10 | | | 8.20 | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | | 8.993 | 0.230 | | 7.194 | 0.184 | | 7.898 | 0.202 | | 7.585 | 0.194 |
| NA | | 182.900 | 7.956 | | 182.700 | 7.947 | | 153.400 | 6.673 | | 173.900 | 7.565 |
| NH4 | | | | | | | | | | | | |
| CA | | 142.000 | 7.086 | | 129.800 | 6.477 | | 126.500 | 6.312 | | 145.800 | 7.275 |
| MG | | 1.264 | 0.104 | | 1.507 | 0.124 | | 2.041 | 0.168 | | 0.826 | 0.068 |
| FE | | 1.105 | 0.040 | | 1.053 | 0.038 | | 1.110 | 0.040 | | 1.015 | 0.036 |
| MN | | | | | | | | | | | | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | | 0.789 | 0.088 | | 0.802 | 0.089 | | 0.874 | 0.097 | | 0.676 | 0.075 |
| CL | | 52.230 | 1.473 | | 47.520 | 1.341 | | 41.130 | 1.160 | | 46.450 | 1.310 |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | | 0.022 | 0.001 | | 0.022 | 0.001 | | 0.027 | 0.002 | | 0.027 | 0.002 |
| S04 | | 651.200 | 13.538 | | 624.000 | 12.992 | | 569.800 | 11.863 | | 638.400 | 13.291 |
| S203 | | | | | | | | | | | | |
| HC03 | | 26.550 | 0.435 | | 29.500 | 0.484 | | 26.550 | 0.435 | | 35.520 | 0.582 |
| C03 | | 0.198 | 0.007 | | 0.216 | 0.007 | | 0.198 | 0.007 | | 0.336 | 0.011 |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HB02 | | 46.004 | 0.766 | | 59.009 | 0.982 | | 44.001 | 0.733 | | 44.001 | 0.733 |
| H3P04 | | 4.822 | 0.110 | | 4.961 | 0.113 | | 4.821 | 0.110 | | 4.962 | 0.113 |
| HAS02 | | | | | | | | | | | | |
| C02 | | | | | | | | | | | | |
| H2S | | 0.511 | 0.012 | | 0.568 | 0.013 | | 0.511 | 0.012 | | 0.537 | 0.012 |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | | 34.586 | | | 43.187 | | | 33.029 | | | 38.988 | |
| CA/(HC03+C03) | | 16.040 | | | 13.199 | | | 14.289 | | | 12.261 | |
| MG/CA | | 0.015 | | | 0.019 | | | 0.027 | | | 0.009 | |
| NA/CA | | 1.123 | | | 1.227 | | | 1.057 | | | 1.040 | |
| CL/(HC03+C03) | | 3.335 | | | 2.732 | | | 2.627 | | | 2.208 | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | | 9.522 | | | 9.044 | | | 8.617 | | | 8.623 | |
| S04*100/(CL+S04+HC03+C03) | | 87.623 | | | 87.646 | | | 88.102 | | | 87.472 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 2.855 | | | 3.310 | | | 3.281 | | | 3.905 | |
| (NA+K)*100/(NA+K+CA+MG) | | 53.240 | | | 55.194 | | | 51.477 | | | 51.375 | |
| CA*100/(NA+K+CA+MG) | | 46.083 | | | 43.964 | | | 47.265 | | | 48.175 | |
| MG*100/(NA+K+CA+MG) | | 0.676 | | | 0.842 | | | 1.258 | | | 0.450 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | | 97.145 | | | 96.690 | | | 96.719 | | | 96.095 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 2.855 | | | 3.310 | | | 3.281 | | | 3.905 | |
| (NA+K)*100/(NA+K+CA+MG) | | 53.240 | | | 55.194 | | | 51.477 | | | 51.375 | |
| (CA+MG)*100/(NA+K+CA+MG) | | 46.760 | | | 44.806 | | | 48.523 | | | 48.625 | |

第11-2表 栗駒南部地蔵水質一覽表 (つづき)

| NO | KSC 17 | | | KSC 18 | | | KSC 19 | | | KSC 20 | | |
|----------------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | | | | | | | | | | | |
| TEMP | 58.3 | 51.8 | 68.7 | 58.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| TSM | 879.000 | 891.000 | 1228.000 | 1228.000 | 1270.000 | 1270.000 | 1270.000 | 1270.000 | 1270.000 | 1270.000 | 1270.000 | 1270.000 |
| PH(FD) | 8.10 | 8.10 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 |
| PH(LB) | 8.10 | 8.10 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 | 8.20 |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 6.882 | 0.176 | 7.038 | 7.038 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 | 0.180 |
| NA | 139.400 | 6.064 | 187.700 | 187.700 | 8.165 | 8.165 | 8.165 | 8.165 | 8.165 | 8.165 | 8.165 | 8.165 |
| NH4 | | | | | | | | | | | | |
| CA | 116.000 | 5.788 | 169.900 | 169.900 | 8.478 | 8.478 | 8.478 | 8.478 | 8.478 | 8.478 | 8.478 | 8.478 |
| MG | 0.914 | 1.075 | 2.016 | 2.016 | 0.166 | 0.166 | 0.166 | 0.166 | 0.166 | 0.166 | 0.166 | 0.166 |
| FE | 0.815 | 0.029 | 0.827 | 0.827 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 | 0.030 |
| MN | | | | | | | | | | | | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | 0.826 | 0.092 | 0.694 | 0.694 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 |
| CL | 38.300 | 1.080 | 40.420 | 40.420 | 1.140 | 1.140 | 1.140 | 1.140 | 1.140 | 1.140 | 1.140 | 1.140 |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | 0.022 | 0.001 | 0.027 | 0.027 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| S04 | 509.500 | 10.603 | 511.100 | 511.100 | 10.641 | 10.641 | 10.641 | 10.641 | 10.641 | 10.641 | 10.641 | 10.641 |
| S203 | | | | | | | | | | | | |
| HC03 | 30.980 | 0.508 | 36.880 | 36.880 | 0.604 | 0.604 | 0.604 | 0.604 | 0.604 | 0.604 | 0.604 | 0.604 |
| C03 | 0.228 | 0.008 | 0.270 | 0.270 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| SI02 (MG/KG)(MMOL/KG) | 42.000 | 0.699 | 39.639 | 39.639 | 0.660 | 0.660 | 0.660 | 0.660 | 0.660 | 0.660 | 0.660 | 0.660 |
| HB02 | 4.045 | 0.092 | 4.822 | 4.822 | 0.110 | 0.110 | 0.110 | 0.110 | 0.110 | 0.110 | 0.110 | 0.110 |
| H3F04 | | | | | | | | | | | | |
| HAS02 | | | | | | | | | | | | |
| C02 | 0.594 | 0.013 | 0.709 | 0.709 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 |
| H2S | | | | | | | | | | | | |
| RN (*F-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 34.446 | 47.147 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 | 45.353 |
| CA/(HC03+C03) | 11.232 | 9.802 | 15.584 | 15.584 | 14.647 | 14.647 | 14.647 | 14.647 | 14.647 | 14.647 | 14.647 | 14.647 |
| MG/CA | 0.013 | 0.014 | 0.020 | 0.020 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 | 0.022 |
| NA/CA | 1.048 | 0.988 | 0.963 | 0.963 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 | 0.842 |
| CL/(HC03+C03) | 2.096 | 1.859 | 2.685 | 2.685 | 1.914 | 1.914 | 1.914 | 1.914 | 1.914 | 1.914 | 1.914 | 1.914 |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 8.853 | 9.199 | 8.438 | 8.438 | 6.905 | 6.905 | 6.905 | 6.905 | 6.905 | 6.905 | 6.905 | 6.905 |
| S04*100/(CL+S04+HC03+C03) | 86.923 | 85.851 | 88.418 | 88.418 | 89.487 | 89.487 | 89.487 | 89.487 | 89.487 | 89.487 | 89.487 | 89.487 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.223 | 4.949 | 3.143 | 3.143 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 |
| (NA+K)*100/(NA+K+CA+MG) | 51.555 | 49.874 | 49.120 | 49.120 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 |
| CA*100/(NA+K+CA+MG) | 47.824 | 49.420 | 49.903 | 49.903 | 53.138 | 53.138 | 53.138 | 53.138 | 53.138 | 53.138 | 53.138 | 53.138 |
| MG*100/(NA+K+CA+MG) | 0.621 | 0.706 | 0.977 | 0.977 | 1.154 | 1.154 | 1.154 | 1.154 | 1.154 | 1.154 | 1.154 | 1.154 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.777 | 95.051 | 96.857 | 96.857 | 96.392 | 96.392 | 96.392 | 96.392 | 96.392 | 96.392 | 96.392 | 96.392 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.223 | 4.949 | 3.143 | 3.143 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 | 3.608 |
| (NA+K)*100/(NA+K+CA+MG) | 51.555 | 49.874 | 49.120 | 49.120 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 |
| (CA+MG)*100/(NA+K+CA+MG) | 48.445 | 49.874 | 49.120 | 49.120 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 | 45.709 |

第11-2表 東駒南部地蔵水質一覽表(つづき)

| | KSC 25 | KSC 26 | KSC 27 | KSC 28 |
|----------------------------------|---------|----------|---------|----------|
| NO | | | | |
| TEMP | 45.5 | 58.0 | 92.0 | 60.0 |
| TSM | 987.000 | 1700.000 | 970.000 | 1952.000 |
| PH(FD) | 6.61 | 7.10 | 7.52 | 6.60 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 13.190 | 70.000 | 22.500 | 31.400 |
| NA | 181.900 | 390.000 | 241.000 | 542.000 |
| NH4 | 2.719 | 0.151 | - | - |
| CA | 64.830 | 3.235 | 10.400 | 58.400 |
| MG | 48.090 | 3.957 | 2.822 | 6.100 |
| FE | 11.420 | 0.409 | 0.232 | 0.502 |
| MN | 2.130 | 0.078 | - | 0.300 |
| ZN | - | - | - | 0.011 |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | - |
| CL | 73.350 | 795.600 | 336.000 | 484.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | 0.005 | 0.000 |
| S04 | 141.100 | 20.600 | 56.000 | 264.600 |
| S203 | 638.800 | 10.470 | 77.060 | 521.700 |
| HC03 | 0.150 | 0.005 | 0.144 | - |
| CO3 | - | 1.985 | 1.263 | 8.551 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 113.779 | 1.894 | 103.394 | 200.018 |
| H3P04 | 8.108 | 0.185 | 29.910 | 78.000 |
| HAS02 | 0.117 | 0.001 | 0.156 | 1.780 |
| CO2 | 0.043 | 0.000 | 0.002 | 0.010 |
| H2S | 384.000 | 8.724 | 0.151 | - |
| | - | 5.928 | 0.135 | 23.700 |
| | - | - | - | 0.100 |
| RN (*E-10 CURIE/L) | 0.895 | 1.605 | 2.220 | 2.027 |
| NA/K | 23.452 | 9.474 | 18.215 | 29.353 |
| CA/(HC03+CO3) | 0.309 | 2.755 | 0.409 | 0.341 |
| MG/CA | 1.223 | 0.113 | 0.447 | 0.172 |
| NA/CA | 2.446 | 3.102 | 20.201 | 8.090 |
| CL/(HC03+CO3) | 0.198 | 11.308 | 7.476 | 1.599 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 13.365 | 90.290 | 79.570 | 49.309 |
| S04*100/(CL+S04+HC03+CO3) | 18.975 | 1.725 | 9.788 | 19.862 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 67.659 | 7.985 | 10.643 | 30.829 |
| (NA+K)*100/(NA+K+CA+MG) | 53.425 | 75.500 | 93.640 | 87.710 |
| CA*100/(NA+K+CA+MG) | 20.949 | 22.015 | 4.394 | 10.484 |
| MG*100/(NA+K+CA+MG) | 25.626 | 2.484 | 1.966 | 1.806 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 32.341 | 92.015 | 89.357 | 69.171 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 67.659 | 7.985 | 10.643 | 30.829 |
| (NA+K)*100/(NA+K+CA+MG) | 53.425 | 75.500 | 93.640 | 87.710 |
| (CA+MG)*100/(NA+K+CA+MG) | 46.575 | 24.500 | 6.360 | 12.290 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| NO | KSC 33 | | | KSC 34 | | | KSC 35 | | | KSC 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|---------------------|--------|---------|-------|--------|--------|-------|-------|----|----|----|---------|--------|-------|-------|----------|---------|-----|-------|---------|---------|------------------------|-------|---------|-------|--------|--------|--------------------|-------|---------------|--------|---------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG) (MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | CO3 | ST02 (MG/KG) (MMOL/KG) | RB02 | H3P04 | HAS02 | CO2 | H2S | RN (*F-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+S04+HC03+CO3) | S04*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) |
| | 58.0 | 661.000 | 8.20 | 8.90 | 7.998 | 0.205 | 3.588 | 0.023 | 1.538 | 6.800 | 0.229 | 0.430 | | | | 53.410 | 1.648 | | 0.780 | 0.027 | 143.200 | | | 0.834 | 210.494 | 5.671 | 0.117 | | 1.342 | | 1.556 | 17.537 | 1.037 | 0.364 | 2.333 | 1.111 | 40.131 | 26.959 | 48.779 | 24.262 | 54.389 | 26.111 | 9.500 | 75.738 | 24.262 | 64.389 | 35.611 |
| | 95.4 | 853.000 | 8.90 | 8.90 | 13.780 | 0.352 | 10.166 | 0.072 | 0.719 | 1.109 | 0.090 | 0.010 | | | | 189.800 | 5.354 | 1.264 | 0.170 | 147.800 | | | 5.419 | 91.830 | 21.808 | 21.855 | 0.088 | 0.140 | 0.220 | 0.665 | 28.840 | 0.021 | 2.544 | 283.347 | 3.176 | 52.923 | 30.416 | 16.662 | 98.806 | 0.337 | 0.857 | 83.338 | 16.662 | 98.806 | 1.194 | | |
| | 98.0 | 2640.000 | 8.40 | 7.30 | 233.700 | 0.817 | 349.500 | 0.138 | 43.970 | 4.1430 | 3.409 | 0.030 | | | | 96.980 | 2.736 | 1.263 | 0.379 | 152.300 | | | 1.128 | 169.694 | 48.564 | 0.901 | 0.119 | 114.900 | 1.456 | 18.602 | 18.602 | 1.554 | 6.929 | 137.129 | 12.657 | 14.670 | 72.673 | 74.087 | 10.147 | 15.766 | 27.327 | 72.673 | 74.087 | 25.913 | | | |
| | | | | | 31.930 | 0.817 | 744.400 | 0.698 | 11.660 | 0.060 | 0.020 | 0.030 | | | | 414.600 | 11.696 | 1.261 | 2.814 | 1007.000 | | | 1.398 | 94.940 | 187.563 | 101.515 | | 1.867 | 0.911 | 0.631 | 39.646 | 0.363 | 1.632 | 55.654 | 7.298 | 78.957 | 34.134 | 61.188 | 4.677 | 95.590 | 1.675 | 2.734 | 95.323 | 4.677 | 95.590 | 4.410 | |
| | | | | | 744.400 | 15.203 | 2.496 | 2.194 | 3.409 | 0.074 | 0.030 | | | | | 2.736 | 0.016 | | 0.020 | 0.000 | 3.171 | | | 0.038 | 2.825 | 1.108 | 0.009 | 0.001 | 2.611 | | 1.456 | 18.602 | 0.140 | 1.554 | 6.929 | 137.129 | 12.657 | 14.670 | 72.673 | 74.087 | 10.147 | 15.766 | 27.327 | 72.673 | 74.087 | 25.913 | |
| | | | | | 31.930 | 0.817 | 744.400 | 0.698 | 11.660 | 0.060 | 0.020 | 0.030 | | | | 414.600 | 11.696 | 1.261 | 2.814 | 1007.000 | | | 1.398 | 94.940 | 187.563 | 101.515 | | 1.867 | 0.911 | 0.631 | 39.646 | 0.363 | 1.632 | 55.654 | 7.298 | 78.957 | 34.134 | 61.188 | 4.677 | 95.590 | 1.675 | 2.734 | 95.323 | 4.677 | 95.590 | 4.410 | |

第11-2表 栗駒南部地域地下水質一覽表 (つづき)

| | KSC 37 | KSC 38 | KSC 39 | KSC 40 |
|----------------------------------|---------|----------|---------|----------|
| NO | 26.8 | 44.4 | 44.0 | 98.0 |
| TEMP | 332.000 | 1357.000 | 958.000 | 2773.000 |
| TSM | 5.87 | 6.90 | 6.60 | 8.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 3.198 | 11.480 | 7.590 | 0.194 |
| NA | 21.990 | 279.600 | 108.800 | 4.733 |
| NH4 | - | 6.180 | - | - |
| CA | 13.520 | 103.600 | 143.900 | 7.181 |
| MG | 20.200 | 11.060 | 2.906 | 0.239 |
| FE | 3.598 | 0.260 | 2.996 | 0.107 |
| MN | 0.570 | 0.948 | 1.138 | 0.041 |
| ZN | 0.060 | 0.040 | 0.030 | 0.001 |
| CU | - | - | - | 0.050 |
| PB | - | - | - | 0.020 |
| AL | - | - | - | 0.789 |
| CL | 18.420 | 53.800 | 32.730 | 0.923 |
| BR | 1.475 | 0.018 | 0.561 | 0.007 |
| I | - | - | - | 0.631 |
| F | - | 0.449 | 0.699 | 0.037 |
| OH | - | - | - | 2.644 |
| S04 | 47.970 | 136.400 | 51.930 | 0.107 |
| S203 | - | - | - | 1052.000 |
| HC03 | 122.400 | 851.200 | 641.900 | 105.300 |
| C03 | - | 0.384 | 0.150 | - |
| SI02 (MG/KG)(MMOL/KG) | 85.943 | 134.293 | 129.729 | 205.067 |
| HR02 | 24.303 | 24.280 | 19.418 | 113.291 |
| H3PO4 | - | 0.381 | 0.108 | 0.098 |
| HAS02 | 0.097 | 0.001 | - | 0.183 |
| C02 | 382.600 | 266.000 | 386.000 | 0.009 |
| H2S | 0.180 | 32.314 | - | 13.284 |
| RN (*E-10 CURIE/L) | 1.037 | 0.251 | 0.255 | 0.181 |
| NA/K | 11.688 | 41.418 | 24.377 | 45.305 |
| CA/(HC03+C03) | 0.336 | 0.370 | 0.682 | 0.349 |
| MG/CA | 2.464 | 0.176 | 0.033 | 0.046 |
| NA/CA | 1.417 | 2.353 | 0.659 | 58.427 |
| CL/(HC03+C03) | 0.259 | 0.109 | 0.088 | 6.684 |
| CL/F | - | 64.213 | 25.093 | 82.879 |
| CL*100/(CL+S04+HC03+C03) | 14.743 | 8.284 | 7.369 | 32.804 |
| S04*100/(CL+S04+HC03+C03) | 28.337 | 15.500 | 8.629 | 62.288 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 56.920 | 76.216 | 84.003 | 4.908 |
| (NA+K)*100/(NA+K+CA+MG) | 30.755 | 67.200 | 39.905 | 98.278 |
| CA*100/(NA+K+CA+MG) | 19.991 | 27.890 | 58.158 | 1.646 |
| MG*100/(NA+K+CA+MG) | 49.254 | 4.910 | 1.937 | 0.076 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 43.080 | 23.784 | 15.997 | 95.092 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 56.920 | 76.216 | 84.003 | 4.908 |
| (NA+K)*100/(NA+K+CA+MG) | 30.755 | 67.200 | 39.905 | 98.278 |
| (CA+MG)*100/(NA+K+CA+MG) | 69.245 | 32.800 | 60.095 | 1.722 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC 53 | KSC 54 | KSC 55 | KSC 56 |
|----------------------------------|-----------|----------|----------|---------|
| NO | 97.0 | 96.5 | 87.0 | 72.0 |
| TEMP | 3,070.000 | 1995.000 | 1990.000 | 909.000 |
| TSM | 1.20 | 8.40 | 8.40 | 7.40 |
| PH(FD) | — | — | — | — |
| PH(LB) | — | — | — | — |
| H (MG/KG)(MYAL/KG) | 5.300 | — | — | — |
| K | 38.300 | 18.300 | 17.800 | 6.700 |
| NA | 100.000 | 544.200 | 524.300 | 197.000 |
| NH4 | — | — | — | — |
| CA | 31.200 | 30.400 | 18.400 | 21.100 |
| MG | 5.300 | 4.800 | 18.200 | 11.200 |
| FF | 120.000 | — | — | — |
| MN | — | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 370.700 | — | — | — |
| CL | 66.500 | 366.200 | 350.000 | 121.800 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | 2.000 | 4.600 | — |
| S04 | 2499.364 | 647.700 | 646.000 | 247.700 |
| S203 | — | — | — | — |
| HCO3 | — | 37.200 | 44.600 | 131.000 |
| CO3 | — | 4.200 | 12.000 | — |
| SI02 (MG/KG)(MMOL/KG) | 245.022 | 236.021 | 250.023 | 178.016 |
| HR02 | 28.000 | 59.979 | 41.965 | 36.000 |
| H3PO4 | — | 0.204 | — | 0.204 |
| HAS02 | — | — | — | — |
| CO2 | — | — | — | — |
| H2S | 3.100 | — | — | 42.500 |
| RN (*E-10 CURIE/L) | 0.249 | 0.437 | 15.559 | 0.768 |
| NA/K | 4.440 | 50.570 | 50.090 | 50.001 |
| CA/(HCO3+CO3) | — | 2.023 | 0.812 | 0.490 |
| MG/CA | 0.230 | 0.260 | 1.631 | 0.875 |
| NA/CA | 2.794 | 15.605 | 24.840 | 8.159 |
| CL/(HCO3+CO3) | — | 13.780 | 8.730 | 1.600 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | — | 42.053 | 40.376 | 31.992 |
| S04*100/(CL+S04+HCO3+CO3) | — | 54.895 | 55.000 | 48.017 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 3.052 | 4.625 | 19.991 |
| (NA+K)*100/(NA+K+CA+MG) | 72.733 | 92.661 | 90.592 | 81.573 |
| CA*100/(NA+K+CA+MG) | 21.261 | 5.823 | 3.576 | 9.826 |
| MG*100/(NA+K+CA+MG) | 5.956 | 1.516 | 5.832 | 8.601 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | — | 96.948 | 95.375 | 80.009 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 3.052 | 4.625 | 19.991 |
| (NA+K)*100/(NA+K+CA+MG) | 72.733 | 92.661 | 90.592 | 81.573 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.217 | 7.339 | 9.408 | 18.427 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| NO | KSC 57 | | KSC 58 | | KSC 59 | | KSC 60 | |
|----------------------------------|----------|----------|----------|--------|----------|----------|--------|----------|
| | 100.0 | 76.0 | 99.0 | 96.0 | 2177.000 | 2191.000 | 96.0 | 2191.000 |
| TEMP | 2099.000 | 1453.000 | 2177.000 | 96.0 | 2177.000 | 2191.000 | 96.0 | 2191.000 |
| TSM | 8.70 | 6.30 | 8.60 | 8.60 | 8.60 | 8.00 | 8.00 | 8.00 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - | - | - | - | - |
| K | 16.400 | 0.420 | 1.172 | 0.512 | 20.000 | 61.000 | 1.560 | 1.560 |
| NA | 570.300 | 24.808 | 16.095 | 26.970 | 620.000 | 620.000 | 26.970 | 26.970 |
| NH4 | - | - | 0.166 | - | 0.800 | 0.800 | 0.044 | 0.044 |
| CA | 16.000 | 0.798 | 2.116 | 1.357 | 27.200 | 24.000 | 1.198 | 1.198 |
| MG | 5.800 | 0.477 | 4.000 | 0.304 | 3.700 | 14.100 | 1.160 | 1.160 |
| FE | - | - | 0.329 | 0.004 | 0.120 | 0.600 | 0.021 | 0.021 |
| MN | - | - | 0.107 | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - |
| CL | 343.800 | 9.699 | 4.621 | 11.058 | 392.000 | 391.300 | 11.039 | 11.039 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 5.300 | 0.312 | - | 0.123 | 2.100 | - | - | - |
| SO4 | 708.200 | 14.745 | 3.727 | 16.192 | 777.700 | 812.700 | 16.920 | 16.920 |
| S2O3 | - | - | - | - | - | - | - | - |
| HC03 | 31.000 | 0.508 | 11.627 | 0.405 | 24.700 | 138.200 | 2.265 | 2.265 |
| CO3 | 30.000 | 1.000 | - | 0.100 | 3.000 | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 302.027 | 5.029 | 5.079 | 4.196 | 252.023 | 316.028 | 5.262 | 5.262 |
| HB02 | 39.918 | 0.911 | 0.256 | 1.278 | 55.988 | 33.600 | 0.767 | 0.767 |
| H3PO4 | - | - | 0.511 | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - |
| CO2 | - | - | 182.900 | 4.155 | - | 78.300 | 1.779 | 1.779 |
| H2S | - | - | - | - | - | 0.212 | 0.006 | 0.006 |
| RN (*F-10 CURIE/L) | 1.015 | 0.360 | 0.880 | 0.550 | - | - | - | - |
| NA/K | 59.135 | 13.738 | 52.717 | 17.284 | - | - | - | - |
| CA/(HC03+CO3) | 0.182 | 0.689 | 2.689 | 0.529 | - | - | - | - |
| MG/CA | 0.598 | 0.156 | 0.224 | 0.969 | - | - | - | - |
| NA/CA | 31.072 | 7.607 | 19.871 | 22.520 | - | - | - | - |
| CL/(HC03+CO3) | 6.431 | 0.397 | 21.905 | 4.873 | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 37.372 | 23.133 | 39.843 | 36.522 | - | - | - | - |
| S04*100/(CL+S04+HC03+CO3) | 56.817 | 18.658 | 58.338 | 55.983 | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.811 | 58.209 | 1.819 | 7.494 | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 95.187 | 87.596 | 94.298 | 92.366 | - | - | - | - |
| CA*100/(NA+K+CA+MG) | 3.012 | 10.734 | 4.657 | 3.877 | - | - | - | - |
| MG*100/(NA+K+CA+MG) | 1.801 | 1.670 | 1.045 | 3.756 | - | - | - | - |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 94.189 | 41.791 | 98.181 | 92.506 | - | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.811 | 58.209 | 1.819 | 7.494 | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 95.187 | 87.596 | 94.298 | 92.366 | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | 4.813 | 12.404 | 5.702 | 7.634 | - | - | - | - |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC 61 | KSC 62 | KSC 63 | KSC 64 |
|----------------------------------|----------|---------|----------|----------|
| NO | 99.0 | 54.0 | 56.0 | 81.8 |
| TEMP | 1963.000 | 810.000 | 1280.000 | 1341.000 |
| TSM | 8.00 | 5.50 | 6.30 | 6.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 21.000 | 15.000 | 12.000 | 43.000 |
| NA | 649.000 | 175.000 | 220.000 | 240.000 |
| NH4 | 0.460 | 1.800 | 0.100 | 0.500 |
| CA | 33.600 | 68.800 | 3.433 | 58.400 |
| MG | 2.900 | 1.577 | 105.800 | 5.279 |
| FE | 0.400 | 2.739 | 16.700 | 1.374 |
| MN | - | 0.014 | 2.400 | 0.086 |
| ZN | - | - | 0.400 | 1.700 |
| CU | - | - | - | 0.015 |
| PB | - | - | - | - |
| AL | - | 5.400 | - | - |
| CL | 436.600 | 71.500 | 83.850 | 175.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | 0.002 |
| S04 | 832.300 | 107.000 | 466.800 | 244.100 |
| S203 | - | - | - | - |
| HCO3 | 65.100 | 1.067 | 343.200 | 420.900 |
| CO3 | - | - | - | 0.060 |
| SI02 (MG/KG)(MMOL/KG) | 176.016 | 2.931 | 99.931 | 119.857 |
| HB02 | 28.900 | 0.639 | 7.013 | 32.196 |
| H3PO4 | - | - | - | 0.769 |
| HAS02 | - | - | - | 0.432 |
| CO2 | 252.600 | 5.739 | 412.600 | 202.400 |
| H2S | 0.200 | 0.006 | - | - |
| RN (*E-10 CURIE/L) | 0.570 | 0.350 | 1.920 | 1.164 |
| NA/K | 52.555 | 19.840 | 31.177 | 9.491 |
| CA/(HCO3+CO3) | 1.571 | 0.329 | 0.939 | 0.422 |
| MG/CA | 0.142 | 0.664 | 0.260 | 0.570 |
| NA/CA | 16.838 | 2.217 | 1.813 | 3.583 |
| CL/(HCO3+CO3) | 11.543 | 0.193 | 0.421 | 0.717 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 40.103 | 13.747 | 13.357 | 29.213 |
| SO4*100/(CL+S04+HCO3+CO3) | 56.423 | 15.184 | 54.880 | 30.022 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.474 | 71.069 | 31.763 | 40.764 |
| (NA+K)*100/(NA+K+CA+MG) | 93.758 | 58.329 | 59.749 | 71.604 |
| CA*100/(NA+K+CA+MG) | 5.464 | 25.043 | 31.937 | 18.082 |
| MG*100/(NA+K+CA+MG) | 0.778 | 16.628 | 8.313 | 10.314 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 96.526 | 28.931 | 68.237 | 59.236 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.474 | 71.069 | 31.763 | 40.764 |
| (NA+K)*100/(NA+K+CA+MG) | 93.758 | 58.329 | 59.749 | 71.604 |
| (CA+MG)*100/(NA+K+CA+MG) | 6.242 | 41.671 | 40.251 | 28.396 |

第11-2表 栗駒南部地域水質一覧表(つつき)

| | KSC 65 | KSC 66 | KSC 67 | KSC 68 |
|----------------------------------|----------|----------|----------|----------|
| NO | 98.0 | 97.5 | 57.0 | 99.5 |
| TEMP | 2600.000 | 2449.000 | 1083.000 | 1935.000 |
| TSM | 8.30 | 9.10 | 7.20 | 8.90 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 23.000 | 25.600 | 18.500 | 12.000 |
| NA | 760.000 | 33.495 | 200.000 | 610.000 |
| NH4 | 0.700 | 0.022 | 0.200 | 0.300 |
| CA | 48.000 | 0.200 | 44.800 | 9.600 |
| MG | 4.234 | 0.039 | 24.460 | 0.941 |
| FF | 0.200 | 0.470 | 0.240 | 0.009 |
| MN | - | - | 0.500 | 0.018 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 659.500 | 871.800 | 63.200 | 688.900 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.034 | 0.013 | 0.003 | 0.136 |
| S04 | 724.300 | 368.700 | 371.600 | 253.400 |
| S203 | - | 0.345 | - | - |
| HC03 | 130.500 | 167.000 | 241.900 | 104.500 |
| C03 | 0.771 | 6.160 | 0.114 | 2.373 |
| SI02 (MG/KG) (MMOL/KG) | 94.239 | 81.569 | 111.625 | 90.171 |
| HB02 | 126.000 | 2.875 | 20.819 | 117.594 |
| H3P04 | 0.524 | 0.005 | 0.760 | 0.823 |
| HAS02 | 3.734 | 0.035 | - | 0.539 |
| C02 | 1.567 | 0.321 | 36.630 | 0.326 |
| H2S | 22.277 | 59.999 | - | - |
| RN (*E-10 CURIE/L) | 1.130 | 1.130 | 3.371 | 2.192 |
| NA/K | 56.192 | 51.149 | 18.384 | 86.444 |
| CA/(HC03+C03) | 1.107 | 0.068 | 0.563 | 0.267 |
| MG/CA | 0.145 | 0.194 | 0.900 | 0.162 |
| NA/CA | 13.803 | 167.811 | 3.892 | 55.392 |
| CL/(HC03+C03) | 8.595 | 8.358 | 0.449 | 10.846 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 51.897 | 69.844 | 13.218 | 73.331 |
| S04*100/(CL+S04+HC03+C03) | 42.065 | 21.800 | 57.359 | 19.908 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.038 | 8.356 | 29.422 | 6.761 |
| (NA+K)*100/(NA+K+CA+MG) | 92.461 | 99.307 | 68.347 | 97.969 |
| CA*100/(NA+K+CA+MG) | 6.582 | 0.580 | 16.656 | 1.748 |
| MG*100/(NA+K+CA+MG) | 0.957 | 0.112 | 14.997 | 0.283 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.962 | 91.644 | 70.578 | 93.239 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.038 | 8.356 | 29.422 | 6.761 |
| (NA+K)*100/(NA+K+CA+MG) | 92.461 | 99.307 | 68.347 | 97.969 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.539 | 0.693 | 31.653 | 2.031 |

第11-2表 栗駒南部地域水質一覽表 (つづき)

| | KSC 77 | KSC 78 | KSC 79 | KSC 80 |
|----------------------------------|----------|----------|----------|----------|
| NO | 94.0 | 77.8 | 75.4 | 68.7 |
| TEMP | 2140.000 | 1791.000 | 1967.000 | 1136.000 |
| TSM | 6.90 | 7.00 | — | 7.32 |
| PH(P/D) | — | — | — | — |
| PH(L/B) | — | — | — | — |
| H (MG/KG) (M/L/KG) | — | — | — | — |
| K | 15.000 | 20.000 | 26.000 | 16.380 |
| NA | 610.000 | 520.000 | 500.000 | 249.600 |
| NH4 | 0.800 | 0.200 | 0.400 | 1.148 |
| CA | 31.240 | 9.680 | 79.360 | 59.180 |
| MG | 2.822 | 2.117 | 2.023 | 11.640 |
| FE | 0.160 | 0.520 | 0.140 | 2.197 |
| MN | — | — | 0.600 | 0.079 |
| ZN | — | — | — | 0.389 |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | — | — | — | — |
| CL | 311.500 | 538.100 | 99.120 | 134.500 |
| RR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | 0.002 | 0.002 | 0.002 | 0.858 |
| S04 | 874.300 | 278.100 | 821.900 | 203.000 |
| S203 | — | — | — | — |
| HC03 | 106.400 | 192.100 | 388.800 | 428.400 |
| C03 | 0.024 | 0.057 | 0.120 | 0.017 |
| SI02 (MG/KG) (MMOL/KG) | 79.853 | 79.853 | 119.780 | 124.818 |
| HB02 | 90.718 | 2.070 | 28.351 | 24.290 |
| H3P04 | 0.289 | 0.843 | 0.294 | 0.554 |
| HAS02 | 4.878 | 0.045 | 0.009 | 0.264 |
| C02 | 33.250 | 0.755 | 0.216 | 0.097 |
| H2S | 4.928 | 0.145 | 93.480 | 51.490 |
| RN (*F-10 CURIE/L) | 1.651 | 1.757 | 2.098 | 0.350 |
| NA/K | 69.156 | 44.214 | 32.703 | 25.913 |
| CA/(HC03+C03) | 0.895 | 0.153 | 0.621 | 0.377 |
| MG/CA | 0.149 | 0.361 | 0.042 | 0.361 |
| NA/GA | 17.000 | 46.829 | 5.492 | 4.092 |
| CL/(HC03+C03) | 5.037 | 4.818 | 0.439 | 0.539 |
| CL/F | — | — | — | 84.008 |
| CL*100/(CL+S04+HC03+C03) | 30.581 | 62.934 | 10.638 | 25.196 |
| S04*100/(CL+S04+HC03+C03) | 63.347 | 24.005 | 65.103 | 28.066 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.072 | 13.061 | 24.259 | 46.738 |
| (NA+K)*100/(NA+K+CA+MG) | 93.755 | 97.237 | 84.453 | 75.742 |
| CA*100/(NA+K+CA+MG) | 5.436 | 2.030 | 14.920 | 17.824 |
| MG*100/(NA+K+CA+MG) | 0.809 | 0.732 | 0.627 | 6.434 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.928 | 86.939 | 75.741 | 53.262 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.072 | 13.061 | 24.259 | 46.738 |
| (NA+K)*100/(NA+K+CA+MG) | 93.755 | 97.237 | 84.453 | 75.742 |
| (CA+MG)*100/(NA+K+CA+MG) | 6.245 | 2.763 | 15.547 | 24.258 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| | KSC 85 | KSC 86 | KSC 87 | KSC 88 |
|----------------------------------|----------|----------|----------|----------|
| NO | 98.2 | 98.6 | 95.0 | 58.5 |
| TEMP | 2399.000 | 2179.000 | 1758.000 | 1150.000 |
| TSM | 8.88 | 8.62 | 6.79 | 5.60 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | 0.003 |
| K | 25.600 | 30.600 | 21.200 | 17.400 |
| NA | 660.000 | 625.000 | 536.000 | 260.000 |
| NH4 | - | 0.200 | 0.800 | 0.400 |
| CA | 16.000 | 0.798 | 17.600 | 32.600 |
| MG | 4.704 | 0.387 | 1.882 | 8.326 |
| FE | 0.070 | 0.003 | - | 1.590 |
| MN | - | - | - | 0.400 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | 0.100 | - |
| CL | 483.500 | 643.500 | 409.700 | 181.900 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.136 | 0.068 | 0.002 | - |
| SO4 | 654.300 | 381.100 | 511.300 | 448.100 |
| S2O3 | - | - | - | - |
| HC03 | 145.200 | 2.380 | 155.300 | 9.153 |
| CO3 | 6.589 | 0.220 | 0.048 | 0.002 |
| SI02 (MG/KG) (MMOL/KG) | 103.956 | 111.093 | 139.859 | 134.012 |
| H2O2 | 79.366 | 1.811 | 12.758 | 24.794 |
| H3PO4 | - | 0.392 | 1.186 | 0.901 |
| HASO2 | 0.066 | 0.345 | 1.435 | 0.227 |
| CO2 | 0.453 | 0.995 | 52.020 | 55.010 |
| H2S | - | 0.330 | 40.353 | - |
| RN (*F=10 CURTE/L) | 0.870 | 0.478 | 1.162 | 3.192 |
| NA/K | 43.842 | 34.733 | 42.995 | 25.410 |
| CA/(HC03+CO3) | 0.307 | 0.176 | 0.396 | 10.777 |
| MG/CA | 0.485 | 1.358 | 0.176 | 0.424 |
| NA/CA | 35.959 | 54.484 | 26.549 | 6.995 |
| CL/(HC03+CO3) | 5.247 | 6.386 | 5.208 | 34.205 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 45.676 | 62.748 | 47.325 | 35.120 |
| S04*100/(CL+S04+HC03+CO3) | 45.619 | 27.426 | 43.589 | 63.853 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.705 | 9.826 | 9.087 | 1.027 |
| (NA+K)*100/(NA+K+CA+MG) | 96.120 | 95.964 | 95.850 | 83.624 |
| CA*100/(NA+K+CA+MG) | 2.613 | 1.712 | 3.528 | 11.501 |
| MG*100/(NA+K+CA+MG) | 1.267 | 2.324 | 0.622 | 4.874 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 91.295 | 90.174 | 90.913 | 98.973 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.705 | 9.826 | 9.087 | 1.027 |
| (NA+K)*100/(NA+K+CA+MG) | 96.120 | 95.964 | 95.850 | 83.624 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.880 | 4.036 | 4.150 | 16.376 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC 93 | KSC 94 | KSC 95 | KSC 96 |
|----------------------------------|----------|----------|----------|----------|
| NO | 22.8 | 95.3 | 35.0 | 66.3 |
| TEMP | 2071.000 | 2512.000 | 1145.000 | 2417.000 |
| TSW | 8.02 | 8.49 | 3.54 | 6.51 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | 0.323 | - |
| K | 10.490 | 7.983 | 17.980 | 63.840 |
| NA | 540.200 | 25.239 | 0.204 | 0.460 |
| NH4 | 0.719 | 0.040 | 31.342 | 628.500 |
| CA | 33.080 | 0.249 | 0.014 | 0.356 |
| MG | 10.810 | 24.030 | 1.199 | 4.628 |
| FE | 0.070 | 1.651 | 13.940 | 0.231 |
| MN | - | 9.294 | 0.111 | 0.471 |
| ZN | - | 0.160 | 3.096 | 0.006 |
| CU | - | 0.003 | 1.020 | 0.163 |
| PB | - | - | 0.037 | 0.006 |
| AL | - | - | 0.248 | 0.004 |
| CL | 496.400 | - | - | - |
| BR | - | 461.600 | 15.380 | - |
| I | - | 13.022 | 1.200 | 9.400 |
| F | - | - | - | - |
| OH | 0.017 | - | - | 0.339 |
| S04 | 563.400 | 0.054 | - | 0.018 |
| S203 | - | 876.600 | - | - |
| HC03 | 134.800 | 18.251 | 12.144 | 15.496 |
| C03 | 0.798 | - | 0.744 | - |
| SI02 (MG/KG)(MMOL/KG) | 117.472 | 2.209 | 2.286 | 256.800 |
| HB02 | 40.697 | 1.956 | - | 0.048 |
| H3PO4 | 1.156 | 117.786 | 148.321 | 191.863 |
| HAS02 | 1.835 | 82.018 | 18.410 | 53.738 |
| C02 | 3.244 | 0.079 | 0.363 | 0.177 |
| H2S | 1.718 | 0.017 | - | 0.043 |
| RN (*F-10 CURIE/L) | 1.667 | 0.074 | 12.989 | 197.600 |
| NA/K | 94.057 | 1.489 | - | 110.001 |
| CA/(HC03+C03) | 0.738 | 153.462 | 2.158 | 0.074 |
| NA/CA | 0.539 | 0.568 | 17.734 | 16.742 |
| CL/(HC03+C03) | 15.290 | 0.638 | 93.546 | 0.055 |
| CL/F | 6.263 | 26.138 | 7.150 | 2.039 |
| CL*100/(CL+S04+HC03+C03) | - | 6.166 | 98.412 | 118.386 |
| S04*100/(CL+S04+HC03+C03) | 50.067 | - | - | 2.232 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 41.939 | 39.005 | 0.091 | 526.735 |
| (NA+K)*100/(NA+K+CA+MG) | 7.994 | 6.326 | 8.985 | 32.294 |
| CA*100/(NA+K+CA+MG) | 90.943 | 54.669 | 90.924 | 53.240 |
| MG*100/(NA+K+CA+MG) | 5.885 | 6.326 | 0.091 | 14.466 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 3.172 | 94.139 | 79.258 | 97.635 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 92.006 | 3.578 | 10.493 | 0.778 |
| (NA+K)*100/(NA+K+CA+MG) | 7.994 | 2.282 | 10.249 | 1.586 |
| (CA+MG)*100/(NA+K+CA+MG) | 90.943 | 93.674 | 99.909 | 85.534 |
| | 9.057 | 6.326 | 0.091 | 14.466 |
| | | 94.139 | 79.258 | 97.635 |
| | | 5.885 | 10.493 | 0.778 |
| | | 3.172 | 10.249 | 1.586 |
| | | 92.006 | 99.909 | 85.534 |
| | | 7.994 | 0.091 | 14.466 |
| | | 90.943 | 79.258 | 97.635 |
| | | 9.057 | 20.742 | 2.365 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| NO | KSC 97 | | | KSC 98 | | | KSC 99 | | | KSC100 | | |
|-------------------------------------|---------|--------|---------|--------|----------|--------|---------|--------|--------|--------|----------|--------|
| | TEMP | TSM | PH(PD) | TEMP | TSM | PH(PD) | TEMP | TSM | PH(PD) | TEMP | TSM | PH(PD) |
| H (MG/KG) (MVAL/KG) | 18.970 | 0.485 | 7.990 | 0.204 | 26.750 | 0.684 | 20.940 | 0.536 | 91.3 | 98.0 | 2575.000 | 8.71 |
| NA | 508.500 | 22.120 | 167.300 | 7.278 | 806.400 | 35.078 | 714.100 | 31.083 | 91.3 | 98.0 | 2575.000 | 8.71 |
| NH4 | 0.080 | 0.004 | 0.360 | 0.020 | 9.591 | 0.479 | 0.369 | 0.020 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CA | 9.426 | 0.470 | 30.360 | 1.515 | 1.647 | 0.136 | 16.220 | 0.809 | 91.3 | 98.0 | 2575.000 | 8.71 |
| MG | 2.233 | 0.184 | 10.440 | 0.859 | 1.647 | 0.136 | 8.238 | 0.678 | 91.3 | 98.0 | 2575.000 | 8.71 |
| FE | 0.154 | 0.006 | 0.146 | 0.005 | 0.052 | 0.002 | 0.018 | 0.001 | 91.3 | 98.0 | 2575.000 | 8.71 |
| MN | 0.075 | 0.003 | 0.075 | 0.003 | 0.020 | 0.001 | 0.010 | 0.000 | 91.3 | 98.0 | 2575.000 | 8.71 |
| ZN | 0.065 | 0.002 | 0.065 | 0.002 | 0.020 | 0.001 | 0.010 | 0.000 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CU | 0.020 | 0.001 | 0.020 | 0.001 | 0.020 | 0.001 | 0.010 | 0.000 | 91.3 | 98.0 | 2575.000 | 8.71 |
| PB | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 91.3 | 98.0 | 2575.000 | 8.71 |
| AL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CL | 336.700 | 9.498 | 31.870 | 0.899 | 410.900 | 11.591 | 412.100 | 11.625 | 91.3 | 98.0 | 2575.000 | 8.71 |
| BR | 0.500 | 0.004 | 0.500 | 0.004 | 0.500 | 0.004 | 0.500 | 0.004 | 91.3 | 98.0 | 2575.000 | 8.71 |
| I | 1.038 | 0.055 | 0.340 | 0.018 | 2.744 | 0.144 | 3.510 | 0.185 | 91.3 | 98.0 | 2575.000 | 8.71 |
| F | 0.068 | 0.004 | 0.005 | 0.000 | 0.272 | 0.016 | 0.085 | 0.005 | 91.3 | 98.0 | 2575.000 | 8.71 |
| OH | 681.800 | 14.195 | 188.700 | 3.929 | 1028.000 | 21.403 | 944.200 | 19.658 | 91.3 | 98.0 | 2575.000 | 8.71 |
| S04 | 135.900 | 2.227 | 290.300 | 4.758 | 111.200 | 1.823 | 82.370 | 1.350 | 91.3 | 98.0 | 2575.000 | 8.71 |
| S203 | 3.207 | 0.107 | 0.426 | 0.014 | 10.420 | 0.347 | 2.730 | 0.091 | 91.3 | 98.0 | 2575.000 | 8.71 |
| HC03 | 109.093 | 1.816 | 107.394 | 1.788 | 82.860 | 1.380 | 120.561 | 2.007 | 91.3 | 98.0 | 2575.000 | 8.71 |
| C03 | 34.324 | 0.783 | 0.504 | 0.005 | 64.716 | 1.477 | 50.890 | 1.161 | 91.3 | 98.0 | 2575.000 | 8.71 |
| SI02 (MG/KG) (MMOL/KG) | 1.607 | 0.016 | 0.504 | 0.005 | 0.255 | 0.003 | 0.063 | 0.001 | 91.3 | 98.0 | 2575.000 | 8.71 |
| H3P04 | 0.022 | 0.000 | 0.065 | 0.001 | 0.345 | 0.003 | 0.863 | 0.008 | 91.3 | 98.0 | 2575.000 | 8.71 |
| HAS02 | 0.818 | 0.019 | 27.910 | 0.634 | 15.244 | 0.447 | 9.134 | 0.268 | 91.3 | 98.0 | 2575.000 | 8.71 |
| C02 | 173.833 | 1.055 | 1.540 | 0.570 | 51.264 | 0.570 | 57.992 | 0.562 | 91.3 | 98.0 | 2575.000 | 8.71 |
| H2S | 45.584 | 0.202 | 0.317 | 0.221 | 0.283 | 0.221 | 0.317 | 0.221 | 91.3 | 98.0 | 2575.000 | 8.71 |
| NA/K | 0.391 | 0.567 | 4.804 | 73.295 | 38.379 | 8.067 | 62.919 | 35.525 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CA/(HC03+C03) | 4.069 | 0.188 | 5.342 | 80.249 | 32.964 | 60.866 | 4.404 | 95.505 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CL/F | 173.833 | 1.055 | 1.540 | 0.570 | 51.264 | 0.570 | 57.992 | 0.562 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CL*100/(CL+S04+HC03+C03) | 36.493 | 54.538 | 8.968 | 49.711 | 6.171 | 98.312 | 2.446 | 2.049 | 91.3 | 98.0 | 2575.000 | 8.71 |
| S04*100/(CL+S04+HC03+C03) | 54.538 | 8.968 | 49.711 | 6.171 | 98.312 | 1.316 | 2.446 | 2.049 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.968 | 49.711 | 6.171 | 98.312 | 1.316 | 0.373 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (NA+K)*100/(NA+K+CA+MG) | 97.188 | 0.790 | 50.289 | 49.711 | 6.171 | 98.312 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |
| CA*100/(NA+K+CA+MG) | 2.022 | 0.790 | 49.711 | 6.171 | 98.312 | 1.316 | 2.446 | 2.049 | 91.3 | 98.0 | 2575.000 | 8.71 |
| MG*100/(NA+K+CA+MG) | 0.790 | 91.032 | 8.968 | 49.711 | 6.171 | 98.312 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 91.032 | 8.968 | 49.711 | 6.171 | 98.312 | 1.316 | 2.446 | 2.049 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (CL+S04+HC03)*100/(CL+S04+HC03+C03) | 8.968 | 49.711 | 6.171 | 98.312 | 1.316 | 0.373 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (NA+K)*100/(NA+K+CA+MG) | 97.188 | 0.790 | 50.289 | 49.711 | 6.171 | 98.312 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |
| (CA+MG)*100/(NA+K+CA+MG) | 2.812 | 97.188 | 24.088 | 75.912 | 1.688 | 98.312 | 95.596 | 4.404 | 91.3 | 98.0 | 2575.000 | 8.71 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| | KSC101 | KSC102 | KSC103 | KSC104 |
|----------------------------------|----------|----------|----------|----------|
| NO | 83.0 | 81.4 | 99.2 | 77.8 |
| TEMP | 2073.000 | 2192.000 | 3034.000 | 1684.000 |
| TSM | 7.50 | 7.38 | 9.10 | 7.25 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KC) (MVAL/KG) | | | | |
| K | 24.760 | 28.530 | 88.790 | 47.450 |
| NA | 589.000 | 597.000 | 850.000 | 529.500 |
| NH4 | 0.439 | 0.369 | 0.020 | 2.647 |
| CA | 40.540 | 4.949 | 0.247 | 29.920 |
| MG | 6.070 | 12.360 | 1.017 | 6.454 |
| FF | - | 0.409 | 0.015 | 0.470 |
| MN | 0.070 | 0.050 | 0.002 | 0.034 |
| ZN | 0.030 | 0.030 | 0.001 | - |
| CU | - | 0.020 | 0.001 | - |
| PB | - | - | 0.010 | - |
| AL | 0.100 | 0.299 | 0.033 | - |
| CL | 499.800 | 375.800 | 448.600 | 93.970 |
| BR | 0.299 | 0.798 | 0.349 | - |
| I | 1.447 | 0.918 | 0.048 | 0.220 |
| OH | 0.005 | 0.003 | 0.000 | 0.003 |
| S04 | 482.400 | 484.600 | 10.089 | 109.900 |
| S203 | - | - | - | - |
| HC03 | 203.700 | 344.100 | 271.800 | 1280.000 |
| C03 | 0.378 | 0.510 | 20.040 | 0.756 |
| SI02 (MG/KG) (MMOL/KG) | 152.783 | 166.784 | 165.194 | 170.169 |
| HB02 | 68.981 | 63.083 | 55.436 | 1.265 |
| H3P04 | 0.137 | 0.235 | 0.362 | 0.004 |
| HAS02 | 0.831 | 0.410 | 0.237 | 0.108 |
| C02 | 15.670 | 33.090 | 0.524 | 153.800 |
| H2S | 42.511 | 64.373 | 28.619 | - |
| RN (*E-10 CURIE/L) | 0.717 | 0.599 | 0.599 | 1.141 |
| NA/K | 40.453 | 35.585 | 16.280 | 18.977 |
| CA/(HC03+C03) | 0.604 | 0.404 | 0.216 | 0.071 |
| MC/CA | 0.247 | 4.119 | 0.551 | 0.356 |
| NA/CA | 12.665 | 105.159 | 33.363 | 15.427 |
| CL/(HC03+C03) | 4.207 | 1.874 | 2.470 | 0.126 |
| CL/F | 135.104 | 219.382 | 634.318 | 228.904 |
| CL*100/(CL+S04+HC03+C03) | 51.281 | 40.237 | 32.805 | 10.218 |
| S04*100/(CL+S04+HC03+C03) | 36.530 | 38.293 | 53.916 | 8.820 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.189 | 21.470 | 13.279 | 80.962 |
| (NA+K)*100/(NA+K+CA+MG) | 91.235 | 95.480 | 95.804 | 92.295 |
| CA*100/(NA+K+CA+MG) | 7.030 | 0.883 | 2.705 | 5.683 |
| MG*100/(NA+K+CA+MG) | 1.736 | 3.637 | 1.491 | 2.022 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.811 | 78.530 | 86.721 | 19.038 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.189 | 21.470 | 13.279 | 80.962 |
| (NA+K)*100/(NA+K+CA+MG) | 91.235 | 95.480 | 95.804 | 92.295 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.765 | 4.520 | 4.196 | 7.705 |

第11-2表 栗駒南部地域地下水質一覽表(つづき)

| NO | KSC105 | | | KSC106 | | | KSC107 | | | KSC108 | | |
|----------------------------------|---------|--------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 19.390 | 0.496 | 0.562 | 21.970 | 0.562 | 0.562 | 23.000 | 0.588 | 0.588 | 14.590 | 0.373 | 0.373 |
| NA | 389.800 | 16.956 | 37.358 | 858.800 | 37.358 | 37.358 | 215.000 | 9.353 | 9.353 | 327.700 | 14.255 | 14.255 |
| NH4 | | | 0.221 | 3.994 | 0.221 | 0.221 | 5.850 | 0.324 | 0.324 | 0.879 | 0.049 | 0.049 |
| CA | 0.560 | 0.028 | 0.726 | 14.550 | 0.726 | 0.726 | 8.729 | 0.436 | 0.436 | 160.000 | 7.984 | 7.984 |
| MG | 5.537 | 0.056 | 0.232 | 2.816 | 0.232 | 0.232 | 4.030 | 0.336 | 0.336 | 13.990 | 1.151 | 1.151 |
| FE | 0.330 | 0.012 | 0.010 | 0.290 | 0.010 | 0.010 | 0.780 | 0.028 | 0.028 | 0.639 | 0.023 | 0.023 |
| MN | 0.130 | 0.005 | 0.001 | 0.036 | 0.001 | 0.001 | 2.205 | 0.080 | 0.080 | 0.585 | 0.021 | 0.021 |
| ZN | | | | | | | 0.056 | 0.002 | 0.002 | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | | | | | | | | | | | | |
| CL | 173.800 | 4.903 | 23.220 | 823.100 | 23.220 | 23.220 | 117.600 | 3.317 | 3.317 | 120.300 | 3.394 | 3.394 |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | 0.183 | 3.475 | 0.183 | 0.183 | | | | 0.560 | 0.029 | 0.029 |
| OH | | | 0.000 | 0.005 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | | | |
| SO4 | 30.980 | 0.645 | 1.207 | 57.960 | 1.207 | 1.207 | | | | 483.800 | 10.073 | 10.073 |
| S2O3 | | | | | | | | | | | | |
| CO3 | 721.800 | 11.830 | 14.281 | 871.300 | 14.281 | 14.281 | 438.300 | 7.184 | 7.184 | 621.800 | 10.191 | 10.191 |
| CO3 | 0.534 | 0.013 | 0.043 | 1.284 | 0.043 | 0.043 | 0.198 | 0.007 | 0.007 | 0.180 | 0.006 | 0.006 |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HB02 | 174.939 | 2.913 | 1.415 | 85.008 | 1.415 | 1.415 | 175.708 | 2.926 | 2.926 | 96.778 | 1.611 | 1.611 |
| H3PO4 | 12.152 | 0.277 | 1.829 | 80.163 | 1.829 | 1.829 | | | | 8.109 | 0.185 | 0.185 |
| HAS02 | 5.977 | 0.061 | 0.009 | 0.901 | 0.009 | 0.009 | 8.153 | 0.083 | 0.083 | 0.152 | 0.002 | 0.002 |
| CO2 | 0.399 | 0.004 | 0.005 | 0.496 | 0.005 | 0.005 | 0.572 | 0.005 | 0.005 | | | |
| H2S | 138.900 | 3.156 | 1.903 | 83.750 | 1.903 | 1.903 | 137.000 | 3.113 | 3.113 | 299.200 | 6.798 | 6.798 |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | | 1.442 | 2.419 | | 2.419 | 2.419 | | 2.448 | 2.448 | | 1.343 | 1.343 |
| CA/(HC03+CO3) | 34.136 | | 66.474 | | 66.474 | 66.474 | | 15.896 | 15.896 | | 38.195 | 38.195 |
| MG/CA | 0.002 | | 0.051 | | 0.051 | 0.051 | | 0.061 | 0.061 | | 0.783 | 0.783 |
| NA/CA | 16.305 | | 0.319 | | 0.319 | 0.319 | | 0.771 | 0.771 | | 0.144 | 0.144 |
| CL/(HC03+CO3) | 606.796 | | 51.454 | | 51.454 | 51.454 | | 21.472 | 21.472 | | 1.785 | 1.785 |
| CL/F | 0.414 | | 1.621 | | 1.621 | 1.621 | | 0.461 | 0.461 | | 0.333 | 0.333 |
| CL*100/(CL+S04+HC03+CO3) | | | 126.936 | | 126.936 | 126.936 | | | | | 115.124 | 115.124 |
| SO4*100/(CL+S04+HC03+CO3) | 28.134 | | 59.922 | | 59.922 | 59.922 | | | | | 14.341 | 14.341 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.708 | | 3.114 | | 3.114 | 3.114 | | | | | 42.566 | 42.566 |
| (NA+K)*100/(NA+K+CA+MG) | 68.103 | | 36.964 | | 36.964 | 36.964 | | | | | 43.093 | 43.093 |
| CA*100/(NA+K+CA+MG) | 97.304 | | 97.536 | | 97.536 | 97.536 | | 92.800 | 92.800 | | 61.558 | 61.558 |
| MG*100/(NA+K+CA+MG) | 0.156 | | 1.868 | | 1.868 | 1.868 | | 4.066 | 4.066 | | 33.598 | 33.598 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 2.540 | | 0.596 | | 0.596 | 0.596 | | 3.134 | 3.134 | | 4.845 | 4.845 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 31.892 | | 63.036 | | 63.036 | 63.036 | | | | | 56.907 | 56.907 |
| (NA+K)*100/(NA+K+CA+MG) | 68.108 | | 36.964 | | 36.964 | 36.964 | | | | | 43.093 | 43.093 |
| (CA+MG)*100/(NA+K+CA+MG) | 97.304 | | 97.536 | | 97.536 | 97.536 | | 92.800 | 92.800 | | 61.558 | 61.558 |
| | 2.696 | | 2.464 | | 2.464 | 2.464 | | 7.200 | 7.200 | | 38.442 | 38.442 |

第 11-2 表 深駒南部地域水質一覧表 (つづき)

| | KSC109 | KSC110 | KSC111 | KSC112 |
|----------------------------------|---------|----------|----------|----------|
| NO | 70.4 | 93.0 | 84.5 | 64.6 |
| TEMP | 736.000 | 1429.000 | 1962.000 | 1810.000 |
| TSM | 7.87 | 6.20 | 8.50 | 6.90 |
| PH(CFD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | 0.001 | - | - |
| K | 13.500 | 0.001 | 0.001 | 0.001 |
| NA | 142.000 | 13.000 | 0.333 | 0.274 |
| NH4 | 0.660 | 400.000 | 17.400 | 12.180 |
| CA | 25.400 | 0.037 | 0.700 | 0.409 |
| MG | 30.370 | 1.267 | 0.397 | 25.448 |
| FE | 1.870 | 28.000 | 1.397 | 1.198 |
| MN | 1.240 | 0.470 | 0.039 | 0.348 |
| ZN | - | 0.120 | 0.004 | 0.220 |
| CU | - | - | - | 0.680 |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 65.550 | 389.400 | 676.100 | 95.580 |
| BR | - | - | 0.300 | 19.073 |
| I | - | - | - | 0.004 |
| F | 0.140 | - | - | - |
| OH | 0.014 | - | - | - |
| SO4 | 60.000 | - | 0.054 | 0.002 |
| S2O3 | - | 327.100 | 312.300 | 705.800 |
| HCO3 | 407.600 | 114.200 | 65.170 | 408.500 |
| CO3 | 1.854 | 0.006 | 0.600 | 0.020 |
| SI02 (MG/KG)(MMOL/KG) | 167.400 | 68.006 | 1.132 | 1.645 |
| H2PO4 | 0.696 | 77.636 | 1.772 | 5.176 |
| HASO2 | 0.096 | - | 0.632 | 0.006 |
| CO2 | 12.740 | 0.547 | 0.453 | 0.004 |
| H2S | - | 14.787 | 0.502 | 0.022 |
| RN (*F-10 CURIE/L) | 0.426 | 7.849 | 1.219 | 7.417 |
| NA/K | 17.887 | 52.325 | 62.176 | 44.500 |
| CA/(HCO3+CO3) | 0.188 | 0.746 | 1.101 | 1.544 |
| MG/CA | 1.972 | 0.028 | 0.291 | 0.092 |
| NA/CA | 4.874 | 12.453 | 21.249 | 1.178 |
| CL/(HCO3+CO3) | 0.274 | 5.868 | 17.528 | 0.403 |
| CL/F | 250.918 | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 18.791 | 55.854 | 71.533 | 11.193 |
| S04*100/(CL+S04+HCO3+CO3) | 12.694 | 34.627 | 24.386 | 61.001 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 68.515 | 9.518 | 4.081 | 27.806 |
| (NA+K)*100/(NA+K+CA+MG) | 63.392 | 92.509 | 94.358 | 52.457 |
| CA*100/(NA+K+CA+MG) | 12.319 | 7.289 | 4.370 | 43.550 |
| MG*100/(NA+K+CA+MG) | 24.290 | 0.202 | 1.271 | 3.993 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 31.485 | 90.482 | 95.919 | 72.194 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 68.515 | 9.518 | 4.081 | 27.806 |
| (NA+K)*100/(NA+K+CA+MG) | 63.392 | 92.509 | 94.358 | 52.457 |
| (CA+MG)*100/(NA+K+CA+MG) | 36.608 | 7.491 | 5.642 | 47.543 |

第11-2表 栗駒南部地域水質一覧表 (つづき)

| NO | KSC113 | | KSC114 | | KSC115 | | KSC116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------|----------|---------|---------|---------------------|--------|---------|-------|--------|-------|-------|-------|----|----|----|--------|--------|-------|---|---|----|-----|-------|---------|--------|------------------------|-------|-------|-------|---------|-------|--------------------|---------|---------------|-------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|--------------------------|
| | TEMP | TSM | PH(FD) | PH(CLB) | H (MG/KG) (MVAL/KG) | K | NA | NH4 | CA | MG | FF | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | C03 | SI02 (MG/KG) (MMOL/KG) | H002 | H3P04 | HAS02 | C02 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+C03) | MG/CA | NA/CA | CL/(HC03+C03) | CL/F | CL*100/(CL+S04+HC03+C03) | S04*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | (CA+MG)*100/(NA+K+CA+MG) |
| | 52.8 | 1357.000 | 6.50 | - | 5.040 | 11.500 | 140.000 | 0.600 | 40.800 | 5.410 | 0.304 | 0.300 | - | - | - | - | 60.180 | - | - | - | - | - | - | 236.100 | 0.048 | 93.932 | 8.502 | - | - | 181.700 | - | 7.247 | 59.519 | 1.939 | 0.059 | 1.217 | 0.439 | - | 9.851 | 67.687 | 22.463 | 53.882 | 43.536 | 2.583 | 77.537 | 22.463 | 53.882 | 46.118 |
| | 1621.000 | 2.25 | - | - | 0.153 | 9.135 | 7.505 | 0.445 | 0.911 | 0.011 | - | - | - | - | - | 1.698 | - | - | - | - | - | - | 3.870 | 0.002 | 1.564 | 0.194 | - | - | 4.128 | - | 2.268 | 20.702 | 0.446 | 0.209 | 2.991 | 0.350 | 6.829 | 73.642 | 19.530 | 72.171 | 23.016 | 4.813 | 80.470 | 19.530 | 72.171 | 27.829 | | |
| | 1067.000 | 63.8 | 850.000 | - | 0.294 | 6.090 | 0.033 | 2.036 | 0.400 | 0.005 | - | - | - | - | - | 56.640 | 1.598 | - | - | - | - | - | 1.598 | - | 17.231 | 278.800 | 4.570 | 2.664 | 0.129 | 0.000 | 9.397 | 0.045 | 0.564 | 16.140 | 0.027 | 0.920 | 38.754 | 0.178 | 111.659 | - | - | - | - | - | - | - | - | |
| | 55.0 | 1067.000 | 6.70 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 22.000 | 310.000 | 6.000 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 57.170 | 57.170 | 57.170 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 0.126 | 0.126 | 0.126 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 7.004 | 7.004 | 7.004 | - | 0.603 | 9.731 | 0.332 | 0.231 | 0.014 | 0.004 | - | - | - | - | - | 1.646 | 1.646 | 0.009 | - | - | - | - | 1.646 | 0.009 | 3.060 | 0.021 | 6.193 | 2.904 | 0.005 | 0.981 | - | 0.564 | 159.946 | 0.021 | 0.063 | 28.150 | 0.117 | 10.369 | 0.938 | 88.693 | 92.512 | 3.155 | 4.334 | 11.307 | 88.693 | 92.512 | 7.488 | |
| | 841.400 | 841.400 | 841.400 | - | 0.603 | 9.731 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

第11-2表 栗駒南部地域水質一覽表 (つづき)

| | KSC117 | | KSC118 | | KSC119 | | KSC120 | |
|----------------------------------|----------|---------|----------|----------|----------|----------|----------|----------|
| NO | 96.0 | 56.0 | 95.0 | 82.8 | 95.0 | 82.8 | 95.0 | 82.8 |
| TEMP | 2148.000 | 787.000 | 1419.000 | 1184.000 | 1419.000 | 1184.000 | 1419.000 | 1184.000 |
| TSM | 9.50 | 6.90 | 8.10 | 7.10 | 8.10 | 7.10 | 8.10 | 7.10 |
| PH(FD) | — | — | — | — | — | — | — | — |
| PH(LR) | — | — | — | — | — | — | — | — |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 50.000 | 1.279 | — | 0.460 | — | 0.972 | — | 0.721 |
| NA | 640.000 | 27,840 | 18.000 | 9.135 | 38.000 | 16.530 | 28.200 | 13.920 |
| NH4 | — | — | 210.000 | — | 380.000 | — | 320.000 | 3.000 |
| CA | 1.600 | 0.080 | 29.600 | 1.477 | 17.600 | 0.878 | 16.800 | 0.838 |
| MG | 0.941 | 0.077 | 8.467 | 0.697 | 5.200 | 0.428 | 1.176 | 0.097 |
| FE | — | — | 0.100 | 0.004 | — | — | 0.640 | 0.023 |
| MN | — | — | 0.200 | 0.007 | — | — | — | — |
| ZN | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — |
| AL | — | — | — | — | — | — | 0.050 | 0.006 |
| CL | 343.000 | 9.676 | 87.670 | 2.473 | 194.400 | 5.484 | 127.400 | 3.594 |
| BR | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — |
| F | — | — | — | — | — | — | — | — |
| OH | 0.340 | 0.020 | 0.002 | 0.000 | 0.022 | 0.001 | 0.002 | 0.000 |
| S04 | 426.400 | 8.878 | 109.600 | 2.282 | 211.400 | 4.401 | 39.140 | 0.815 |
| S203 | — | — | — | — | — | — | — | — |
| HCO3 | 516.800 | 8.470 | 429.800 | 7.044 | 536.900 | 8.800 | 702.900 | 11.521 |
| C03 | 30.490 | 1.016 | 0.099 | 0.003 | 1.992 | 0.066 | 0.258 | 0.009 |
| ST02 (MG/KG) (MMOL/KG) | 119.939 | 1.997 | 99.958 | 1.664 | 120.013 | 1.998 | 114.003 | 1.898 |
| HB02 | 56.013 | 1.278 | 13.996 | 0.319 | 35.001 | 0.799 | 9.923 | 0.226 |
| H3P04 | — | — | 0.617 | 0.006 | 0.195 | 0.002 | 6.972 | 0.071 |
| HAS02 | — | — | — | — | — | — | 0.615 | 0.006 |
| C02 | 0.621 | 0.014 | 134.300 | 3.051 | 10.320 | 0.234 | 135.200 | 3.072 |
| H2S | 1.700 | 0.050 | 1.697 | 0.050 | 1.401 | 0.041 | — | — |
| RN (*F-10 CURIE/L) | 1.600 | 2.690 | — | — | — | — | — | 6.728 |
| NA/K | 21.767 | 19.840 | 19.840 | 17.005 | 17.005 | 19.297 | 19.297 | 0.073 |
| CA/(HCO3+C03) | 0.008 | 0.210 | 0.039 | 0.039 | 0.039 | 0.073 | 0.073 | 0.115 |
| MG/CA | 0.970 | 0.472 | 0.472 | 0.487 | 0.487 | 0.115 | 0.115 | 16.605 |
| NA/CA | 348.697 | 6.185 | 6.185 | 18.822 | 18.822 | 16.605 | 16.605 | 0.312 |
| CL/(HCO3+C03) | 1.020 | 0.351 | 0.351 | 0.619 | 0.619 | — | — | — |
| CL/F | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HCO3+C03) | 34.508 | 20.954 | 20.954 | 29.246 | 29.246 | 22.550 | 22.550 | 5.113 |
| S04*100/(CL+S04+HCO3+C03) | 31.660 | 19.333 | 19.333 | 23.472 | 23.472 | 5.113 | 5.113 | 72.337 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 33.832 | 59.712 | 59.712 | 47.282 | 47.282 | 72.337 | 72.337 | 93.997 |
| (NA+K)*100/(NA+K+CA+MG) | 99.463 | 81.530 | 81.530 | 93.055 | 93.055 | 93.997 | 93.997 | 5.382 |
| CA*100/(NA+K+CA+MG) | 0.273 | 12.550 | 12.550 | 4.869 | 4.869 | 5.382 | 5.382 | 0.621 |
| MG*100/(NA+K+CA+MG) | 0.264 | 5.920 | 5.920 | 2.275 | 2.275 | 0.621 | 0.621 | 27.663 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 66.168 | 40.288 | 40.288 | 52.718 | 52.718 | 72.337 | 72.337 | 93.997 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 33.832 | 59.712 | 59.712 | 47.282 | 47.282 | 72.337 | 72.337 | 6.003 |
| (NA+K)*100/(NA+K+CA+MG) | 99.463 | 81.530 | 81.530 | 93.055 | 93.055 | 93.997 | 93.997 | 6.003 |
| (CA+MG)*100/(NA+K+CA+MG) | 0.537 | 18.470 | 18.470 | 6.945 | 6.945 | 6.003 | 6.003 | — |

第11-2表 栗駒南部地域水質一覽表 (つづき)

| | KSC125 | KSC126 | KSC127 | KSC128 |
|----------------------------------|---------|---------|---------|----------|
| NO | 57.1 | 55.0 | 57.0 | 53.5 |
| TEMP | 696.000 | 790.000 | 982.000 | 1380.000 |
| TSM | 7.41 | 6.50 | 6.30 | 6.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KC) (MVAL/KG) | | | | |
| K | 9.499 | 10.500 | 13.000 | 15.600 |
| NA | 150.000 | 182.500 | 210.000 | 340.000 |
| NH4 | - | 5.500 | 2.400 | 4.400 |
| CA | 39.640 | 11.400 | 34.300 | 25.300 |
| MG | 13.560 | 1.116 | 6.300 | 1.262 |
| FE | 0.440 | 0.016 | 0.518 | 0.156 |
| MN | 0.148 | - | - | - |
| ZN | 0.010 | - | 1.800 | 0.800 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 31.350 | 25.200 | 32.600 | 59.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.140 | - | - | - |
| OH | - | - | - | - |
| S04 | 176.200 | 3.668 | 8.200 | 18.900 |
| S203 | - | 3.000 | 1.300 | 2.200 |
| HC03 | 279.160 | 4.583 | 655.700 | 912.100 |
| C03 | 0.414 | 0.014 | - | - |
| SI02 (MG/KG) (MMPL/KG) | 118.445 | 1.972 | 204.634 | 206.788 |
| HR02 | - | - | - | - |
| H3P04 | 0.098 | 0.001 | 1.225 | 3.574 |
| HAS02 | 0.032 | 0.000 | - | - |
| C02 | 855.200 | 19.430 | 671.200 | 801.700 |
| H2S | 26.890 | 0.789 | 0.941 | 1.106 |
| RN (*E-10 CURIE/L) | 1.210 | 2.089 | 4.146 | 0.976 |
| NA/K | 26.854 | 29.557 | 27.470 | 37.063 |
| CA/(HC03+C03) | 0.430 | 0.071 | 0.159 | 0.084 |
| MG/CA | 0.564 | 0.579 | 0.303 | 0.124 |
| NA/CA | 3.299 | 13.956 | 5.337 | 11.715 |
| CL/(HC03+C03) | 0.192 | 0.089 | 0.086 | 0.112 |
| CL/F | 120.004 | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 9.666 | 7.854 | 7.769 | 9.831 |
| S04*100/(CL+S04+HC03+C03) | 40.096 | 4.140 | 1.442 | 2.313 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 50.238 | 88.005 | 90.789 | 87.856 |
| (NA+K)*100/(NA+K+CA+MG) | 68.628 | 90.137 | 80.936 | 91.457 |
| CA*100/(NA+K+CA+MG) | 20.057 | 6.248 | 14.632 | 7.602 |
| MG*100/(NA+K+CA+MG) | 11.515 | 3.615 | 4.432 | 0.941 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 49.762 | 11.995 | 9.211 | 12.144 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 50.238 | 88.005 | 90.789 | 87.856 |
| (NA+K)*100/(NA+K+CA+MG) | 68.628 | 90.137 | 80.936 | 91.457 |
| (CA+MG)*100/(NA+K+CA+MG) | 31.372 | 9.863 | 19.064 | 8.543 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC133 | KSC134 | KSC135 | KSC136 |
|----------------------------------|----------|----------|---------|---------|
| NO | 80.5 | 80.5 | 36.3 | 56.4 |
| TEMP | 1150.000 | 1367.000 | 615.000 | 680.000 |
| TSM | 7.00 | 6.70 | 7.39 | 7.20 |
| PH(FD) | - | - | - | - |
| PH(LEB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 30.000 | 40.000 | 4.698 | 3.400 |
| NA | 231.000 | 308.500 | 163.900 | 205.000 |
| NH4 | 7.500 | 0.416 | 1.119 | 4.000 |
| CA | 47.200 | 29.200 | 33.810 | 27.500 |
| MG | 22.800 | 8.500 | 1.460 | 8.500 |
| FE | 9.800 | 0.029 | 0.600 | - |
| MN | - | - | 0.280 | - |
| ZN | - | - | 0.010 | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 38.200 | 61.700 | 17.090 | 32.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | 0.003 | - |
| SO4 | 42.800 | 39.100 | 0.814 | 146.100 |
| SO3 | - | - | - | 5.200 |
| HC03 | 820.800 | 885.300 | 537.700 | 441.400 |
| CO3 | - | - | 0.792 | - |
| SI02 (MG/KG)(MMOL/KG) | 214.019 | 255.023 | 59.867 | 116.318 |
| HR02 | 28.000 | 7.000 | 6.740 | - |
| H3P04 | 3.063 | 0.817 | 8.045 | - |
| HAS02 | - | - | 0.008 | - |
| CO2 | 257.700 | 281.300 | 0.227 | 261.700 |
| H2S | - | 1.721 | 51.710 | 1.915 |
| RN (#F-10 CURIE/L) | 0.430 | 1.010 | 0.564 | 3.314 |
| NA/K | 13.094 | 13.115 | 59.327 | 102.533 |
| CA/(HC03+CO3) | 0.175 | 0.100 | 0.191 | 0.190 |
| MG/CA | 0.797 | 0.480 | 0.071 | 0.510 |
| NA/CA | 4.266 | 9.210 | 4.226 | 6.498 |
| CL/(HC03+CO3) | 0.040 | 0.120 | 0.055 | 0.126 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 6.988 | 10.200 | - | 8.145 |
| S04*100/(CL+S04+HC03+CO3) | 5.778 | 4.770 | - | 27.189 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 87.234 | 85.030 | - | 64.666 |
| (NA+K)*100/(NA+K+CA+MG) | 71.879 | 87.008 | 80.046 | 81.296 |
| CA*100/(NA+K+CA+MG) | 15.652 | 8.778 | 18.628 | 12.389 |
| MG*100/(NA+K+CA+MG) | 12.469 | 4.214 | 1.327 | 6.315 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 12.766 | 14.970 | - | 35.334 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 87.234 | 85.030 | - | 64.666 |
| (NA+K)*100/(NA+K+CA+MG) | 71.879 | 87.008 | 80.046 | 81.296 |
| (CA+MG)*100/(NA+K+CA+MG) | 28.121 | 12.992 | 19.954 | 18.704 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC137 | KSC138 | KSC139 | KSC140 |
|----------------------------------|---------|---------|---------|---------|
| NO | 57.40 | 32.2 | 54.0 | 46.0 |
| TEMP | 813.000 | 438.000 | 800.000 | 855.000 |
| TSM | 7.30 | 7.40 | 7.40 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 5.000 | 3.200 | 5.300 | 5.000 |
| NA | 117.200 | 73.500 | 113.400 | 127.000 |
| NH4 | 2.300 | 2.200 | 2.000 | 1.000 |
| CA | 48.000 | 2.395 | 48.000 | 50.100 |
| MG | 8.200 | 7.800 | 10.200 | 2.500 |
| FE | - | 0.675 | 0.200 | - |
| MN | - | - | 0.007 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 21.000 | 19.600 | 36.400 | 58.600 |
| BR | - | 0.592 | 0.553 | 1.653 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 125.500 | 111.100 | 158.400 | 4.351 |
| S203 | - | - | - | - |
| HC03 | 309.300 | 203.400 | 3.334 | 209.000 |
| C03 | - | - | 241.500 | 171.300 |
| SI02 (MG/KG)(MMOL/KG) | 140.013 | 60.005 | 104.009 | 90.008 |
| H002 | 7.000 | - | 24.500 | - |
| H3P04 | 0.613 | 1.634 | 0.408 | 0.204 |
| HAS02 | - | - | - | - |
| C02 | 196.900 | 4.474 | 177.700 | 196.400 |
| H2S | 19.043 | 0.559 | 19.028 | 8.540 |
| RN (*E-10 CURIE/L) | 2.461 | 1.303 | 0.578 | 1.882 |
| NA/K | 39.861 | 39.059 | 36.385 | 43.194 |
| CA/(HC03+C03) | 0.472 | 0.718 | 0.605 | 0.890 |
| MG/CA | 0.282 | 0.268 | 0.350 | - |
| NA/CA | 2.129 | 1.335 | 2.059 | 2.210 |
| CL/(HC03+C03) | 0.117 | 0.166 | 0.259 | 0.589 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 7.159 | 8.918 | 12.397 | 18.760 |
| S04*100/(CL+S04+HC03+C03) | 31.577 | 37.310 | 39.816 | 49.380 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 61.264 | 53.772 | 47.787 | 31.861 |
| (NAK)*100/(NAK+CA+MG) | 62.995 | 51.916 | 61.044 | - |
| CA*100/(NAK+CA+MG) | 28.871 | 37.922 | 28.847 | - |
| MG*100/(NAK+CA+MG) | 8.134 | 10.162 | 10.109 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 38.736 | 46.228 | 52.213 | 68.139 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 61.264 | 53.772 | 47.787 | 31.861 |
| (NAK)*100/(NAK+CA+MG) | 62.995 | 51.916 | 61.044 | - |
| (CA+MG)*100/(NAK+CA+MG) | 37.005 | 48.084 | 38.956 | - |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC141 | KSC142 | KSC143 | KSC144 |
|----------------------------------|-----------|---------|---------|---------|
| NO | 46.0 | 59.0 | 51.5 | 26.4 |
| TEMP | 114.6,000 | 855.000 | 830.000 | 234.000 |
| TSM | 6.90 | 7.40 | 7.20 | 8.69 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 22.000 | 10.000 | 13.000 | 1.999 |
| NA | 418.000 | 150.000 | 160.000 | 47.480 |
| NH4 | 8.000 | 3.100 | 5.000 | 0.160 |
| CA | 25.800 | 29.600 | 26.000 | 11.410 |
| MG | 15.000 | 6.800 | 6.600 | 0.569 |
| FE | 0.800 | 0.021 | 0.560 | 0.070 |
| MN | - | - | - | 0.380 |
| ZN | - | - | - | 0.014 |
| CU | - | - | - | 0.020 |
| PB | - | - | - | 0.001 |
| AL | - | - | - | 0.020 |
| CL | 56.000 | 4.900 | 29.700 | 0.001 |
| BR | - | - | - | - |
| I | - | - | - | 1.133 |
| F | - | - | - | 0.002 |
| OH | - | - | - | - |
| S04 | - | 123.600 | 63.900 | 0.060 |
| S203 | - | - | - | 0.003 |
| HC03 | - | - | - | 0.085 |
| CO3 | 1210.000 | 379.400 | 432.900 | 27.990 |
| SI02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 123.011 | 110.010 | 110.010 | 47.090 |
| H3P04 | 8.400 | 7.000 | 7.000 | 1.392 |
| H4S02 | 14.294 | 0.511 | 4.084 | 61.924 |
| CO2 | 126.700 | 36.000 | 67.500 | 1.707 |
| H2S | - | 2.246 | 3.561 | 0.039 |
| RN (*F-10 CURIE/L) | 2.190 | 1.730 | 1.010 | 0.002 |
| NA/K | 32.310 | 25.508 | 20.930 | 0.005 |
| CA/(HC03+CO3) | 0.064 | 0.238 | 0.183 | 0.583 |
| MG/CA | 0.966 | 0.379 | 0.419 | 0.772 |
| NA/CA | 14.234 | 4.418 | 5.365 | 0.046 |
| CL/(HC03+CO3) | 0.090 | 0.022 | 0.118 | 0.031 |
| CL/F | - | - | - | 0.000 |
| CL*100/(CL+S04+HC03+CO3) | - | - | - | 0.224 |
| S04*100/(CL+S04+HC03+CO3) | - | 1.548 | 9.045 | 0.005 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 28.817 | 14.362 | - |
| (NA+K)*100/(NA+K+CA+MG) | 88.194 | 69.635 | 76.594 | 0.187 |
| CA*100/(NA+K+CA+MG) | 6.009 | 16.751 | 14.206 | 40.391 |
| MG*100/(NA+K+CA+MG) | 5.807 | 6.346 | 5.947 | 0.696 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | 30.365 | 23.406 | 0.123 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 69.635 | 76.594 | 3.628 |
| (NA+K)*100/(NA+K+CA+MG) | 88.194 | 76.902 | 79.848 | 358.877 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.816 | 16.751 | 14.206 | 44.723 |
| | | 5.807 | 5.947 | 22.993 |
| | | - | - | 32.283 |
| | | - | - | 76.802 |
| | | - | - | 20.660 |
| | | - | - | 2.538 |
| | | - | - | 67.717 |
| | | - | - | 32.283 |
| | | - | - | 76.802 |
| | | - | - | 23.198 |

第11-2表 柴駒南部地域水質一覧表(つづき)

| NO | KSC149 | | KSC150 | | KSC151 | | KSC152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|---------|--------|--------|--------------------|-------|--------|--------|--------|-------|----|----|----|----|----|----|---------|----|---|---|----|--------|--------|------|-----|-----------------------|--------|-------|-------|--------|-----|--------------------|--------|---------------|-------|-------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|--------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG)(WVAL/KG) | K | NA | NH4 | CA | MC | FE | MN | ZN | CU | PR | AL | CL | BR | I | F | OH | SO4 | SO3 | HCO3 | CO3 | STO2 (MG/KG)(MMOL/KG) | HB02 | H3PO4 | HAS02 | CO2 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+S04+HC03+CO3) | S04*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | (CA+MG)*100/(NA+K+CA+MG) |
| | 39.1 | 448.000 | 6.10 | | 0.001 | 7.600 | 91.000 | 11.200 | 11.200 | 1.400 | | | | | | | 126.900 | | | | | 46.000 | 27.460 | | | 118.041 | 10.629 | 0.078 | 0.029 | 52.810 | | 0.222 | 20.362 | 1.242 | 7.083 | 7.954 | | 71.774 | 19.202 | 9.024 | 85.676 | 11.530 | 2.794 | 90.976 | 9.024 | 85.676 | 14.324 | |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0.001 | 0.000 | 1.200 | | 1.876 | 21.172 | 0.351 | 0.206 | 9.690 | 2.534 | | 63.653 | 11.227 | 9.024 | 89.377 | 8.807 | 1.816 | 90.976 | 9.024 | 89.377 | 14.324 |
| | | | | | 0.001 | 0.194 | 3.959 | 0.559 | 0.559 | 0.115 | | | | | | | 3.580 | | | | | 0.958 | 0.450 | | | 1.965 | 0.243 | 0 | | | | | | | | | | | | | | | | | | | | |

第11-2表 栗駒南部地域水質一覽表(つづき)

| | KSC153 | KSC154 | KSC155 | KSC156 |
|----------------------------------|----------|---------|---------|---------|
| NO | 78.6 | 78.4 | 92.0 | 57.0 |
| TEMP | 1020.000 | 847.000 | 960.000 | 433.000 |
| TSM | 7.80 | 7.90 | 7.80 | 8.80 |
| PR(FD) | - | - | - | - |
| PR(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 27.790 | 19.170 | 19.500 | 7.000 |
| K | 219.900 | 193.200 | 252.000 | 98.000 |
| NA | 0.140 | 0.130 | 0.007 | 0.200 |
| NH4 | 10.730 | 4.158 | 14.400 | 1.440 |
| CA | 1.939 | 1.359 | 0.900 | 0.072 |
| MG | 0.060 | 0.800 | 0.029 | 0.039 |
| FE | 0.040 | 0.001 | - | 0.009 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 315.500 | 263.500 | 346.700 | 81.420 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.399 | 1.140 | 0.060 | 0.107 |
| OH | 0.010 | 0.014 | 0.001 | 60.560 |
| S04 | 69.970 | 34.980 | 0.728 | 1.457 |
| S203 | - | - | - | - |
| HCO3 | 43.290 | 58.220 | 0.954 | 46.810 |
| CO3 | 0.162 | 0.264 | 0.009 | 0.864 |
| SI02 (MG/KG)(MMOL/KG) | 265.457 | 4.420 | 180.016 | 85.553 |
| HR02 | 25.117 | 0.573 | 59.500 | 49.611 |
| H3PO4 | 0.117 | 0.118 | 0.204 | 0.074 |
| HAS02 | 0.140 | 0.001 | - | - |
| CO2 | 1.663 | 0.038 | 0.041 | 0.180 |
| H2S | - | - | 13.800 | 0.314 |
| RN (*E-10 CURIE/L) | 0.108 | 0.332 | 1.593 | 1.460 |
| NA/K | 13.456 | 17.139 | 21.976 | 23.808 |
| CA/(HCO3+CO3) | 0.749 | 0.215 | 0.712 | 0.090 |
| MG/CA | 0.298 | 0.539 | 0.103 | 0.538 |
| NA/CA | 17.865 | 40.505 | 15.256 | 59.327 |
| CL/(HCO3+CO3) | 12.449 | 7.719 | 9.667 | 2.865 |
| CL/F | 120.856 | 123.869 | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 80.386 | 81.464 | 79.857 | 52.756 |
| S04*100/(CL+S04+HCO3+CO3) | 13.157 | 7.982 | 11.900 | 28.960 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.457 | 10.554 | 8.244 | 18.283 |
| (NA+K)*100/(NA+K+CA+MG) | 93.666 | 96.534 | 93.531 | 97.572 |
| CA*100/(NA+K+CA+MG) | 4.880 | 2.252 | 5.864 | 1.578 |
| MG*100/(NA+K+CA+MG) | 1.454 | 1.214 | 0.604 | 0.850 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 93.543 | 89.446 | 91.756 | 81.717 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.457 | 10.554 | 8.244 | 18.283 |
| (NA+K)*100/(NA+K+CA+MG) | 93.666 | 96.534 | 93.531 | 97.572 |
| (CA+MG)*100/(NA+K+CA+MG) | 6.334 | 3.466 | 6.469 | 2.428 |

第 11-2 表 栗駒南部地域水質一覽表 (つづき)

| | KSC157 | KSC158 | KSC159 | KSC160 |
|----------------------------------|----------|----------|----------|---------|
| NO | 97.7 | 100.0 | 84.1 | 88.6 |
| TEMP | 1234.000 | 1034.000 | 1120.000 | 910.000 |
| PH(FD) | 8.82 | 8.72 | 8.30 | 8.25 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 23.570 | 0.603 | 20.670 | 14.990 |
| NA | 329.600 | 14.338 | 289.800 | 239.800 |
| NH4 | - | - | - | - |
| CA | 15.440 | 0.770 | 14.470 | 13.120 |
| MG | 0.240 | 0.020 | 2.916 | 0.228 |
| FE | - | - | - | 0.130 |
| MN | - | - | - | 0.012 |
| ZN | 0.010 | 0.000 | 0.012 | 0.000 |
| CU | - | - | - | 0.001 |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 466.100 | 13.149 | 412.700 | 321.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 2.287 | 0.120 | 1.957 | 1.539 |
| OH | 0.107 | 0.006 | 0.034 | 0.034 |
| S04 | 61.870 | 1.288 | 80.800 | 68.660 |
| S203 | - | - | - | - |
| HC03 | 64.370 | 1.055 | 56.350 | 65.230 |
| CO3 | 2.376 | 0.079 | 0.656 | 0.768 |
| SI02 (MG/KG)(MMOL/KG) | 193.281 | 3.218 | 144.012 | 158.418 |
| HR02 | 24.065 | 0.549 | 10.686 | 7.227 |
| H3PO4 | 0.019 | 0.000 | 0.030 | - |
| HAS02 | 0.092 | 0.002 | 0.086 | 0.280 |
| CO2 | 0.246 | 0.006 | 0.007 | 0.003 |
| H2S | - | - | - | 0.783 |
| HN (*E-10 CURIE/L) | 1.075 | 0.894 | 0.492 | 0.141 |
| NA/K | 23.780 | 25.965 | 23.497 | 27.204 |
| CA/(HC03+CO3) | 0.679 | 0.725 | 0.763 | 0.598 |
| MG/CA | 0.026 | 0.312 | 0.332 | 0.348 |
| NA/CA | 18.609 | 16.184 | 17.206 | 15.933 |
| CL/(HC03+CO3) | 11.593 | 8.624 | 12.310 | 8.274 |
| CL/F | 109.219 | - | 113.014 | 111.812 |
| CL*100/(CL+S04+HC03+CO3) | 84.443 | 78.433 | 81.584 | 78.207 |
| S04*100/(CL+S04+HC03+CO3) | 8.273 | 12.473 | 11.789 | 12.342 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.284 | 9.094 | 6.628 | 9.452 |
| (NA+K)*100/(NA+K+CA+MG) | 94.977 | 92.757 | 93.086 | 92.456 |
| CA*100/(NA+K+CA+MG) | 4.898 | 5.519 | 5.189 | 5.597 |
| MG*100/(NA+K+CA+MG) | 0.126 | 1.725 | 1.725 | 1.947 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 92.716 | 90.906 | 93.372 | 90.548 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.284 | 9.094 | 6.628 | 9.452 |
| (NA+K)*100/(NA+K+CA+MG) | 94.977 | 92.757 | 93.086 | 92.456 |
| (CA+MG)*100/(NA+K+CA+MG) | 5.023 | 7.243 | 6.628 | 7.544 |

第 11-2 表 栗駒南部地域水質一覽表 (つづき)

| NO | KSC165 | | KSC166 | | KSC167 | | KSC168 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|
| | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 13.300 | 0.340 | 15.200 | 0.389 | 15.700 | 0.402 | 12.000 | 0.307 |
| NA | 405.000 | 17.618 | 380.000 | 16.530 | 445.000 | 19.358 | 420.000 | 18.270 |
| NH4 | 0.500 | 0.028 | 1.200 | 0.067 | 0.400 | 0.022 | 0.400 | 0.022 |
| CA | 45.190 | 2.255 | 42.340 | 2.113 | 41.600 | 2.076 | 43.200 | 2.156 |
| MG | 17.760 | 1.461 | 16.470 | 1.355 | 5.000 | 0.411 | 4.200 | 0.346 |
| FE | 0.440 | 0.016 | 0.370 | 0.013 | - | - | - | - |
| MN | 0.120 | 0.004 | 0.200 | 0.007 | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - |
| CL | 620.300 | 17.499 | 653.800 | 18.444 | 560.000 | 15.798 | 560.000 | 15.798 |
| BR | 2.500 | 0.031 | 1.500 | 0.019 | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 0.007 | 0.000 | 0.003 | 0.000 | - | - | - | - |
| S04 | 70.040 | 1.458 | 69.220 | 1.441 | 167.000 | 3.477 | 166.000 | 3.456 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 168.600 | 2.763 | 57.470 | 0.942 | 183.100 | 3.001 | 113.100 | 1.854 |
| C03 | 0.198 | 0.007 | 0.033 | 0.001 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HB02 | 38.850 | 0.647 | 136.015 | 2.265 | 53.005 | 0.883 | 59.005 | 0.982 |
| H3PO4 | 49.592 | 1.132 | 56.667 | 1.293 | 85.000 | 1.940 | 85.000 | 1.940 |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | - | - | - | - | - | - | - | - |
| H2S | 10.130 | 0.230 | 6.910 | 0.157 | 60.600 | 1.377 | 41.100 | 0.934 |
| RN (*E-10 CURIE/L) | 4.888 | | 4.357 | | 6.810 | | 7.430 | |
| NA/K | 51.784 | | 42.514 | | 48.200 | | 59.519 | |
| CA/(HC03+C03) | 0.814 | | 2.240 | | 0.692 | | 1.163 | |
| MG/CA | 0.648 | | 0.641 | | 0.198 | | 0.160 | |
| NA/CA | 7.813 | | 7.824 | | 9.325 | | 8.475 | |
| CL/(HC03+C03) | 6.317 | | 19.538 | | 5.264 | | 8.522 | |
| CL/F | - | | - | | - | | - | |
| CL*100/(CL+S04+HC03+C03) | 80.539 | | 88.553 | | 70.919 | | 74.844 | |
| S04*100/(CL+S04+HC03+C03) | 6.712 | | 6.919 | | 15.609 | | 16.374 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.749 | | 4.528 | | 13.472 | | 8.782 | |
| (NA+K)*100/(NA+K+CA+MG) | 82.853 | | 82.989 | | 88.819 | | 88.133 | |
| CA*100/(NA+K+CA+MG) | 10.484 | | 10.363 | | 9.331 | | 10.227 | |
| MG*100/(NA+K+CA+MG) | 6.743 | | 6.648 | | 1.850 | | 1.640 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.251 | | 95.472 | | 86.528 | | 91.218 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.749 | | 4.528 | | 13.472 | | 8.782 | |
| (NA+K)*100/(NA+K+CA+MG) | 82.853 | | 82.989 | | 88.819 | | 88.133 | |
| (CA+MG)*100/(NA+K+CA+MG) | 17.147 | | 17.011 | | 11.181 | | 11.867 | |

第11-2表 栗駒南部地域水質一覽表(つづき)

| | KSC177 | KSC178 | KSC179 | KSC180 |
|----------------------------------|----------|---------|---------|---------|
| NO | 34.0 | 85.0 | 98.0 | 100.0 |
| TEMP | 950.000 | 204.000 | 273.000 | 942.000 |
| TSM | 9.09 | 7.67 | 8.73 | 9.76 |
| PH(FD) | - | - | - | - |
| PH(LLB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 15.980 | 2.698 | 3.297 | 11.790 |
| NA | 213.900 | 9.305 | 35.370 | 236.800 |
| NH4 | 0.996 | 1.087 | 1.539 | 0.300 |
| CA | 0.160 | 0.008 | 0.050 | 0.017 |
| MG | 0.194 | 0.016 | 0.160 | 0.240 |
| FE | 0.210 | 0.583 | 0.048 | 0.012 |
| MN | - | 0.241 | 0.582 | 0.020 |
| ZN | - | - | 0.003 | - |
| CU | - | - | - | 0.044 |
| PB | - | - | - | - |
| AL | 1.199 | 0.120 | 0.310 | 0.799 |
| CL | 56.010 | 7.366 | 3.257 | 62.350 |
| BR | - | 0.300 | - | 0.100 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.221 | 0.008 | 0.085 | 2.338 |
| S04 | 115.500 | 14.400 | 12.200 | 1.072 |
| S203 | - | - | - | 111.900 |
| HC03 | 209.500 | 42.780 | 64.740 | - |
| C03 | 15.450 | 0.515 | 1.908 | 115.300 |
| SI02 (MG/KG) (MMOL/KG) | 150.558 | 105.027 | 129.730 | 42.550 |
| H802 | 59.517 | 4.247 | 1.749 | 200.060 |
| H3P04 | 0.264 | 0.097 | - | 20.267 |
| HAS02 | - | - | 2.274 | 0.303 |
| C02 | 0.282 | 0.054 | 0.001 | 0.690 |
| H2S | 21.644 | 2.055 | 0.312 | 0.044 |
| RN (*E-10 CURIE/L) | 1.070 | 0.309 | 1.700 | 40.591 |
| NA/K | 32.763 | 15.745 | 18.243 | 0.440 |
| CA/(HC03+C03) | 0.002 | 0.011 | 0.007 | 34.155 |
| MG/CA | 2.000 | 6.009 | 5.999 | 0.004 |
| NA/CA | 1155.412 | 136.101 | 192.710 | 1.670 |
| CL/(HC03+C03) | 0.400 | 0.295 | 0.082 | 860.120 |
| CL/F | - | - | - | 0.532 |
| | | | | 14.292 |
| CL*100/(CL+S04+HCO3+C03) | 19.515 | 17.131 | 6.248 | 23.780 |
| S04*100/(CL+S04+HCO3+C03) | 30.311 | 24.717 | 17.273 | 31.498 |
| (HC03+C03)*100/(CL+S04+HCO3+C03) | 49.772 | 58.152 | 76.480 | 44.723 |
| (NA+K)*100/(NA+K+CA+MG) | 99.754 | 95.381 | 96.672 | 99.699 |
| CA*100/(NA+K+CA+MG) | 0.082 | 0.659 | 0.476 | 0.113 |
| MG*100/(NA+K+CA+MG) | 0.164 | 3.960 | 2.853 | 0.188 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 50.228 | 41.848 | 23.520 | 55.277 |
| (HC03+C03)*100/(CL+S04+HCO3+C03) | 49.772 | 58.152 | 76.480 | 44.723 |
| (NA+K)*100/(NA+K+CA+MG) | 99.754 | 95.381 | 96.672 | 99.699 |
| (CA+MG)*100/(NA+K+CA+MG) | 0.246 | 4.619 | 3.328 | 0.301 |

第11-2表 栗駒南部地域水質一覽表(つづき)

| | KSC189 | KSC190 | KSC191 | KSC192 |
|----------------------------------|---------|---------|----------|----------|
| NO | 88.2 | 100.0 | 97.0 | 93.0 |
| TEMP | 992.000 | 903.000 | 1083.000 | 4070.000 |
| PH(FD) | 8.80 | 9.00 | 9.49 | 7.30 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (NVAL/KG) | - | - | - | - |
| K | 15.000 | 6.800 | 0.174 | 9.000 |
| NA | 225.000 | 205.000 | 8.918 | 95.000 |
| NH4 | 0.600 | 3.000 | 0.166 | 0.700 |
| CA | 2.000 | - | - | 0.039 |
| MG | 0.094 | - | - | 3.200 |
| FE | - | 0.100 | 0.004 | 0.500 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 49.380 | 84.450 | 2.382 | 22.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.107 | 0.340 | 0.020 | 0.003 |
| S04 | 188.700 | 101.300 | 2.109 | 154.500 |
| S203 | - | - | - | - |
| HC03 | 257.400 | 235.300 | 3.857 | 42.320 |
| C03 | 9.493 | 13.880 | 0.463 | 0.024 |
| SI02 | 120.056 | 133.997 | 2.231 | 30.000 |
| H3P04 | 14.166 | 28.344 | 0.647 | 5.601 |
| HAS02 | 0.313 | 0.755 | 0.008 | 0.329 |
| C02 | 0.292 | 1.726 | 0.016 | - |
| H2S | 0.990 | 0.568 | 0.013 | 5.088 |
| | 25.553 | 7.310 | 0.215 | 2.549 |
| RN (*F-10 CURIE/L) | 0.763 | 1.528 | 1.214 | 6.269 |
| NA/K | 25.508 | 51.267 | 28.165 | 17.950 |
| CA/(HC03+C03) | 0.022 | - | - | 0.230 |
| MG/CA | 0.078 | - | - | 0.258 |
| NA/CA | 98.071 | - | - | 25.880 |
| CL/(HC03+C03) | 0.307 | 0.552 | 0.764 | 0.922 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 14.132 | 27.039 | 32.361 | 14.069 |
| S04*100/(CL+S04+HC03+C03) | 39.858 | 23.938 | 23.281 | 70.673 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 46.010 | 49.4023 | 42.358 | 15.257 |
| (NA+K)*100/(NA+K+CA+MG) | 98.954 | - | - | 95.599 |
| CA*100/(NA+K+CA+MG) | 0.971 | - | - | 3.499 |
| MG*100/(NA+K+CA+MG) | 0.075 | - | - | 0.902 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 53.990 | 50.977 | 57.642 | 84.743 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 46.010 | 49.4023 | 42.358 | 15.257 |
| (NA+K)*100/(NA+K+CA+MG) | 98.954 | - | - | 95.599 |
| (CA+MG)*100/(NA+K+CA+MG) | 1.046 | - | - | 4.401 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| | KSC193 | KSC194 | KSC195 | KSC196 |
|----------------------------------|---------|---------|---------|----------|
| NO | 78.1 | 84.5 | 40.0 | 69.0 |
| TEMP | 133.000 | 467.000 | 595.000 | 1037.000 |
| TSM | 8.70 | 6.30 | 7.40 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 5.500 | 0.141 | 0.230 | 0.384 |
| NA | 32.000 | 1.392 | 3.915 | 150.000 |
| NH4 | - | - | 0.111 | 3.785 |
| CA | - | - | 0.180 | 0.139 |
| MG | - | - | 0.050 | 4.800 |
| FE | - | 0.080 | 0.003 | 0.560 |
| MN | - | - | - | 0.072 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | - |
| CL | 12.800 | 0.361 | 0.900 | 57.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.085 | 0.005 | - | - |
| S04 | 16.900 | 0.352 | 1.415 | 36.200 |
| S203 | - | - | - | - |
| HC03 | 37.670 | 0.617 | 1.949 | 328.600 |
| CO3 | 0.555 | 0.018 | 0.000 | - |
| SI02 (MG/KG)(MMOL/KG) | 80.011 | 1.332 | 175.016 | 206.019 |
| HB02 | - | 0.026 | 0.351 | - |
| H3P04 | 2.578 | - | 0.003 | 6.126 |
| HAS02 | - | - | 0.270 | - |
| C02 | 0.312 | 0.007 | 3.249 | 187.000 |
| H2S | 0.341 | 0.010 | 0.304 | 4.249 |
| RN (*E-10 CURIE/L) | 3.213 | 2.569 | 0.667 | 1.448 |
| NA/K | 9.894 | 17.005 | 9.863 | 11.188 |
| CA/(HC03+CO3) | - | 0.092 | 0.165 | 0.044 |
| MG/CA | - | 0.279 | 1.001 | 1.512 |
| NA/CA | - | 21.794 | 6.772 | 27.242 |
| CL/(HC03+CO3) | 0.568 | 0.462 | 0.436 | 0.303 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 26.770 | 21.108 | 27.917 | 20.985 |
| S04*100/(CL+S04+HC03+CO3) | 26.036 | 33.187 | 8.100 | 9.700 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 47.144 | 45.705 | 63.982 | 69.315 |
| (NA+K)*100/(NA+K+CA+MG) | - | 94.747 | 78.844 | 92.197 |
| CA*100/(NA+K+CA+MG) | - | 4.106 | 10.572 | 3.107 |
| MG*100/(NA+K+CA+MG) | - | 1.147 | 10.585 | 4.696 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 52.856 | 54.295 | 36.018 | 30.685 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 47.144 | 45.705 | 63.982 | 69.315 |
| (NA+K)*100/(NA+K+CA+MG) | - | 94.747 | 78.844 | 92.197 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 5.253 | 21.156 | 7.803 |

第11-2表 栗駒南部地域水質一覧表(つづき)

| NO | KSC201 | | KSC202 | | KSC203 | | KSC204 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 58.5 | 90.0 | 76.0 | 76.0 | 99.5 | 970.000 | 99.5 | 970.000 |
| TEMP | 246.000 | 763.000 | 672.000 | 672.000 | 970.000 | 970.000 | 970.000 | 970.000 |
| TSM | 2.70 | 8.30 | 7.10 | 7.10 | 9.10 | 9.10 | 9.10 | 9.10 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(CLB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 0.500 | 0.496 | - | - | - | - | - | - |
| K | 3.000 | 0.077 | 10.500 | 5.800 | 0.148 | 16.000 | 0.409 | 0.409 |
| NA | 48.000 | 2.088 | 200.000 | 8.700 | 9.309 | 200.000 | 8.700 | 8.700 |
| NH4 | 4.500 | 0.249 | 0.500 | 1.100 | 0.061 | 0.600 | 0.033 | 0.033 |
| CA | 4.800 | 0.240 | 3.200 | 28.000 | 1.397 | - | - | - |
| MG | 3.500 | 0.288 | 0.600 | 0.049 | 0.099 | 1.700 | 0.140 | 0.140 |
| FE | 12.000 | 0.430 | - | 9.300 | 0.011 | 0.420 | 0.015 | 0.015 |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 7.000 | 0.778 | - | - | - | - | - | - |
| CL | 14.000 | 0.395 | 67.200 | 1.896 | 1.109 | 88.200 | 2.488 | 2.488 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | 3.300 | 0.194 | - | 5.500 | 0.323 | 0.323 |
| S04 | 226.117 | 4.708 | 123.000 | 2.561 | 2.228 | 107.400 | 2.236 | 2.236 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | - | - | 219.800 | 3.603 | 7.631 | 137.300 | 2.250 | 2.250 |
| C03 | - | - | 19.900 | 0.663 | - | 33.000 | 1.100 | 1.100 |
| S102 (MG/KG)(MMOL/KG) | 14.001 | 0.233 | 153.014 | 2.508 | 2.215 | 286.026 | 4.762 | 4.762 |
| HR02 | 5.650 | 0.128 | 19.550 | 0.406 | - | 14.022 | 0.520 | 0.520 |
| H3P04 | 47.374 | 0.484 | 0.613 | 0.006 | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | - | - | - | - | - | - | - | - |
| H2S | - | - | 9.584 | 0.281 | 1.961 | 19.786 | 0.581 | 0.581 |
| RN (*E-10 CURIE/L) | - | 0.530 | - | 1.010 | 1.250 | - | 0.250 | 0.250 |
| NA/K | - | 27.209 | 32.391 | 62.744 | 21.257 | - | - | - |
| CA/(HC03+C03) | - | 0.037 | 0.183 | 0.071 | - | - | - | - |
| MG/CA | - | 1.202 | 0.309 | 0.071 | - | - | - | - |
| NA/CA | - | 8.717 | 54.484 | 6.663 | - | - | - | - |
| CL/(HC03+C03) | - | - | 0.444 | 0.145 | - | - | 0.743 | 0.743 |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | 21.734 | 10.108 | - | 30.815 | 30.815 | 30.815 |
| S04*100/(CL+S04+HC03+C03) | - | - | 29.360 | 20.312 | - | 27.693 | 27.693 | 27.693 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | 48.906 | 69.579 | - | 41.492 | 41.492 | 41.492 |
| (NA+K)*100/(NA+K+CA+MG) | 80.406 | 97.722 | 86.343 | 86.343 | - | - | - | - |
| CA*100/(NA+K+CA+MG) | 2.897 | 1.740 | 12.756 | 12.756 | - | - | - | - |
| MG*100/(NA+K+CA+MG) | 10.698 | 0.538 | 0.902 | 0.902 | - | - | - | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | 30.421 | 30.421 | - | 58.508 | 58.508 | 58.508 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | 69.579 | 69.579 | - | 41.492 | 41.492 | 41.492 |
| (NA+K)*100/(NA+K+CA+MG) | 80.406 | 97.722 | 86.343 | 86.343 | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | 19.594 | 2.278 | 13.657 | 13.657 | - | - | - | - |

第11-2表 栗駒南部地域水質一覽表 (つづき)

| NO | KSC205 | | KSC206 | | KSC207 | | KSC208 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 54.0 | 68.0 | 64.0 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| TEMP | 245.000 | 380.000 | 380.000 | 506.000 | 506.000 | 506.000 | 506.000 | 506.000 |
| TSM | 7.70 | 8.10 | 8.10 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(CLB) | - | - | - | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 2.800 | 0.072 | 3.000 | 0.077 | 3.000 | 0.077 | 3.000 | 0.136 |
| NA | 65.000 | 2.828 | 80.000 | 3.480 | 75.000 | 3.263 | 52.000 | 2.262 |
| NH4 | - | - | 0.400 | 0.022 | - | - | 1.200 | 0.067 |
| CA | 0.800 | 0.040 | - | - | - | - | 38.400 | 1.916 |
| MG | - | - | 1.200 | 0.099 | 1.200 | 0.099 | 22.200 | 1.827 |
| FE | 0.100 | 0.004 | 0.060 | 0.002 | 0.140 | 0.005 | 3.400 | 0.122 |
| MN | - | - | - | - | - | - | 1.400 | 0.051 |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - |
| CL | 28.100 | 0.793 | 28.100 | 0.793 | 28.100 | 0.793 | 25.200 | 0.711 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | 0.500 | 0.029 | 0.900 | 0.053 | - | - |
| S04 | 12.300 | 0.256 | 28.800 | 0.600 | 20.600 | 0.429 | 191.300 | 3.983 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | 113.700 | 1.864 | 121.600 | 1.993 | 118.500 | 1.942 | 102.300 | 1.677 |
| C03 | - | - | 3.200 | 0.107 | 6.200 | 0.207 | - | - |
| ST02 (MG/KG)(MMOL/KG) | 159.014 | 2.648 | 200.018 | 3.330 | 190.017 | 3.164 | 150.014 | 2.498 |
| HR02 | 8.400 | 0.192 | 5.629 | 0.128 | - | - | 11.200 | 0.256 |
| H3P04 | 1.429 | 0.015 | 1.736 | 0.018 | 1.021 | 0.010 | 0.511 | 0.005 |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | 6.200 | 0.141 | - | - | - | - | 76.300 | 1.734 |
| H2S | - | - | - | - | - | - | - | - |
| RN (*F-10 CURIE/L) | 1.150 | 1.740 | 1.740 | 1.280 | 1.280 | 1.280 | 0.730 | 0.730 |
| NA/K | 39.477 | 45.348 | 45.348 | 42.514 | 42.514 | 42.514 | 16.685 | 16.685 |
| CA/(HC03+C03) | 0.021 | - | - | - | - | - | 1.143 | 1.143 |
| MG/CA | - | - | - | - | - | - | 0.953 | 0.953 |
| NA/CA | 70.829 | 0.378 | 0.378 | 0.369 | 0.369 | 0.369 | 1.180 | 1.180 |
| CL/(HC03+C03) | 0.425 | - | - | - | - | - | 0.424 | 0.424 |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 27.219 | 22.701 | 22.701 | 23.519 | 23.519 | 23.519 | 11.159 | 11.159 |
| S04*100/(CL+S04+HC03+C03) | 8.793 | 17.171 | 17.171 | 12.725 | 12.725 | 12.725 | 62.521 | 62.521 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 63.988 | 60.128 | 60.128 | 63.756 | 63.756 | 63.756 | 26.320 | 26.320 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - | - | - | 39.045 | 39.045 |
| CA*100/(NA+K+CA+MG) | - | - | - | - | - | - | 31.205 | 31.205 |
| MG*100/(NA+K+CA+MG) | - | - | - | - | - | - | 29.750 | 29.750 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 36.012 | 39.872 | 39.872 | 36.244 | 36.244 | 36.244 | 73.680 | 73.680 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 63.988 | 60.128 | 60.128 | 63.756 | 63.756 | 63.756 | 26.320 | 26.320 |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - | - | - | 39.045 | 39.045 |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | - | - | - | 60.955 | 60.955 |

第11-2表 栗駒南部地域水質一覽表 (つづき)

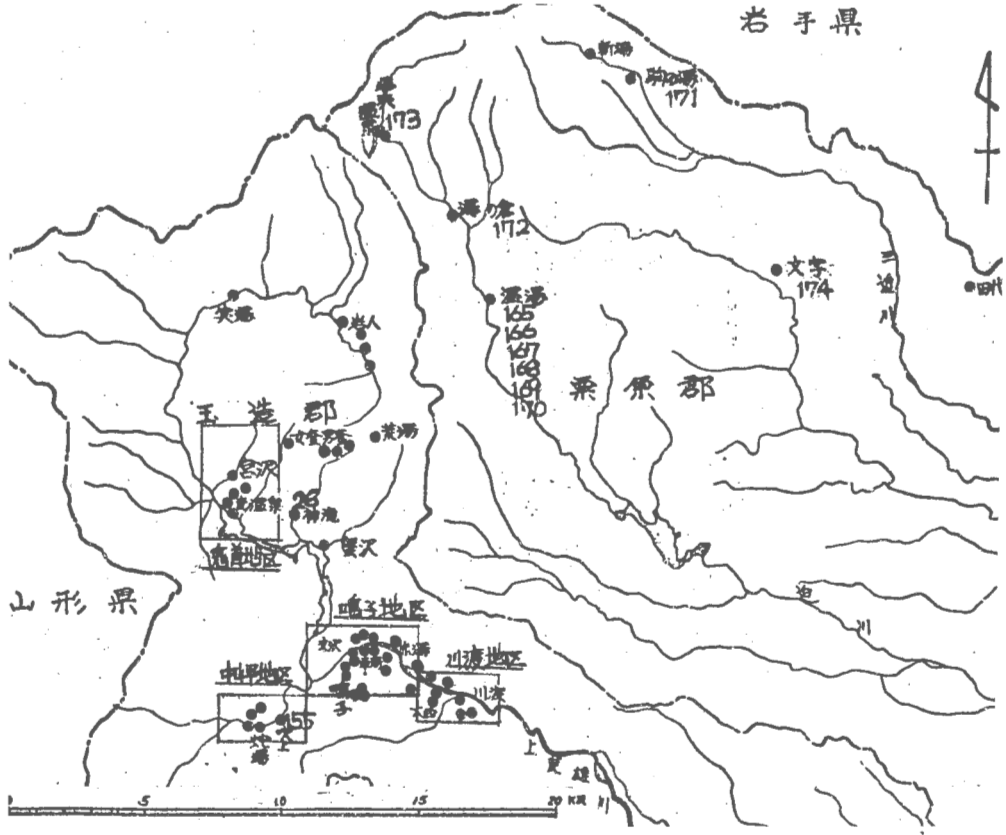
| | KSC209 | | KSC210 | | KSC211 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|
| NO | 73.0 | 72.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| TEMP | 395.000 | 387.000 | 322.000 | 322.000 | 322.000 | 322.000 |
| TSM | 8.00 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 |
| PH(FD) | - | - | - | - | - | - |
| PH(LR) | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - | - | - |
| K | 5.000 | 7.000 | 0.179 | 5.000 | 0.128 | 0.128 |
| NA | 9.000 | 75.000 | 3.263 | 70.000 | 3.045 | 3.045 |
| NH4 | 0.300 | 0.600 | 0.033 | 0.200 | 0.011 | 0.011 |
| CA | - | - | - | - | - | - |
| MC | 0.900 | - | - | - | - | - |
| FE | - | - | - | - | - | - |
| MN | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - |
| CU | - | - | - | - | - | - |
| PR | - | - | - | - | - | - |
| AL | - | - | - | - | - | - |
| CL | 25.200 | 15.600 | 0.440 | 14.900 | 0.420 | 0.420 |
| RR | - | - | - | - | - | - |
| I | - | - | - | - | - | - |
| F | - | - | - | - | - | - |
| OH | 2.800 | 0.085 | 0.005 | 0.085 | 0.005 | 0.005 |
| S04 | 34.600 | 9.900 | 0.206 | 11.500 | 0.239 | 0.239 |
| S203 | - | - | - | - | - | - |
| HC03 | 104.900 | 153.000 | 2.508 | 147.200 | 2.413 | 2.413 |
| CO3 | 16.900 | 2.256 | 0.075 | 2.169 | 0.072 | 0.072 |
| SI02 (MG/KG) (MMOL/KG) | 215.019 | 100.027 | 1.665 | 90.037 | 1.499 | 1.499 |
| HB02 | 8.393 | - | - | - | - | - |
| H3P04 | 1.021 | 1.528 | 0.016 | 2.058 | 0.021 | 0.021 |
| HAS02 | - | - | - | - | - | - |
| CO2 | - | 0.735 | 0.017 | 0.708 | 0.016 | 0.016 |
| H2S | - | 2.550 | 0.075 | 0.849 | 0.025 | 0.025 |
| RN (*F-10 CURIE/L) | 1.570 | 1.446 | - | 2.410 | - | - |
| NA/K | 30.270 | 18.220 | - | 23.808 | - | - |
| CA/(HC03+CO3) | - | - | - | - | - | - |
| MG/CA | - | - | - | - | - | - |
| NA/CA | - | - | - | - | - | - |
| CL/(HC03+CO3) | 0.311 | 0.170 | - | 0.169 | - | - |
| CL/F | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 19.142 | 13.629 | - | 13.366 | - | - |
| S04*100/(CL+S04+HC03+CO3) | 19.397 | 6.383 | - | 7.614 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 61.461 | 79.988 | - | 79.020 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - | - | - |
| CA*100/(NA+K+CA+MG) | - | - | - | - | - | - |
| MG*100/(NA+K+CA+MG) | - | - | - | - | - | - |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 39.539 | 20.012 | - | 20.980 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 61.461 | 79.988 | - | 79.020 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | - | - | - | - | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | - | - | - | - | - | - |

第11-3表 栗駒南部地域特定成分含量の頻度分布表

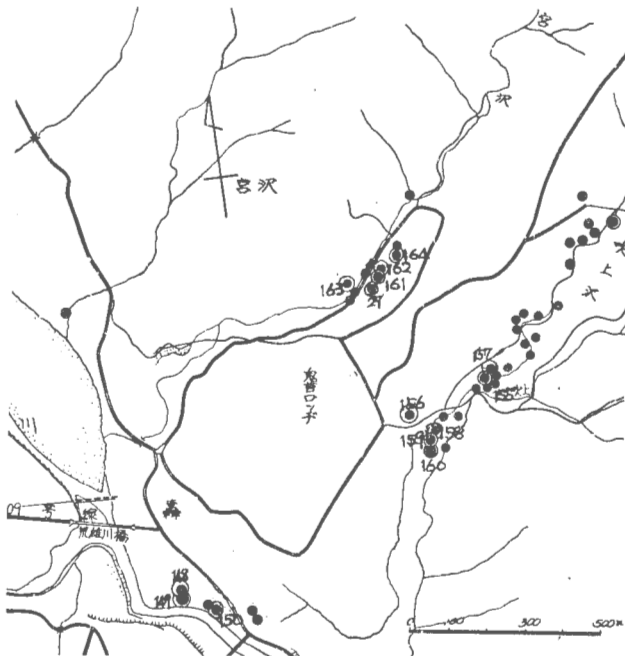
| FREQUENCY DATA OF ZN , CU , PB , AS AND H2S | | | |
|---|---------------|--------|--------------|
| ZN | | CU | |
| ND | N 173 | ND | N 199 |
| <0.500 | F(%) 82.0 | <0.300 | F(%) 94.3 |
| <5.000 | 14.0 | <3.000 | 5.7 |
| >5.000 | 0 | >3.000 | 0 |
| TOTAL | 211 | TOTAL | 211 |
| | 100.0 | | 100.0 |
| PB | | AS | |
| ND | N 211 | ND | N 108 |
| <0.100 | F(%) 100.0 | <0.050 | F(%) 51.2 |
| <1.000 | 0 | <0.500 | 10.9 |
| >1.000 | 0 | <5.000 | 27.0 |
| TOTAL | 211 | >5.000 | 10.4 |
| | 100.0 | | 0.5 |
| | | TOTAL | 211 |
| | | | 100.0 |
| H2S | | | |
| ND | N 121 | | |
| < 1.000 | F(%) 57.3 | | |
| < 10.000 | 7.6 | | |
| <100.000 | 15.5 | | |
| >100.000 | 19.0 | | |
| TOTAL | 211 | | |
| | 100.0 | | |

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

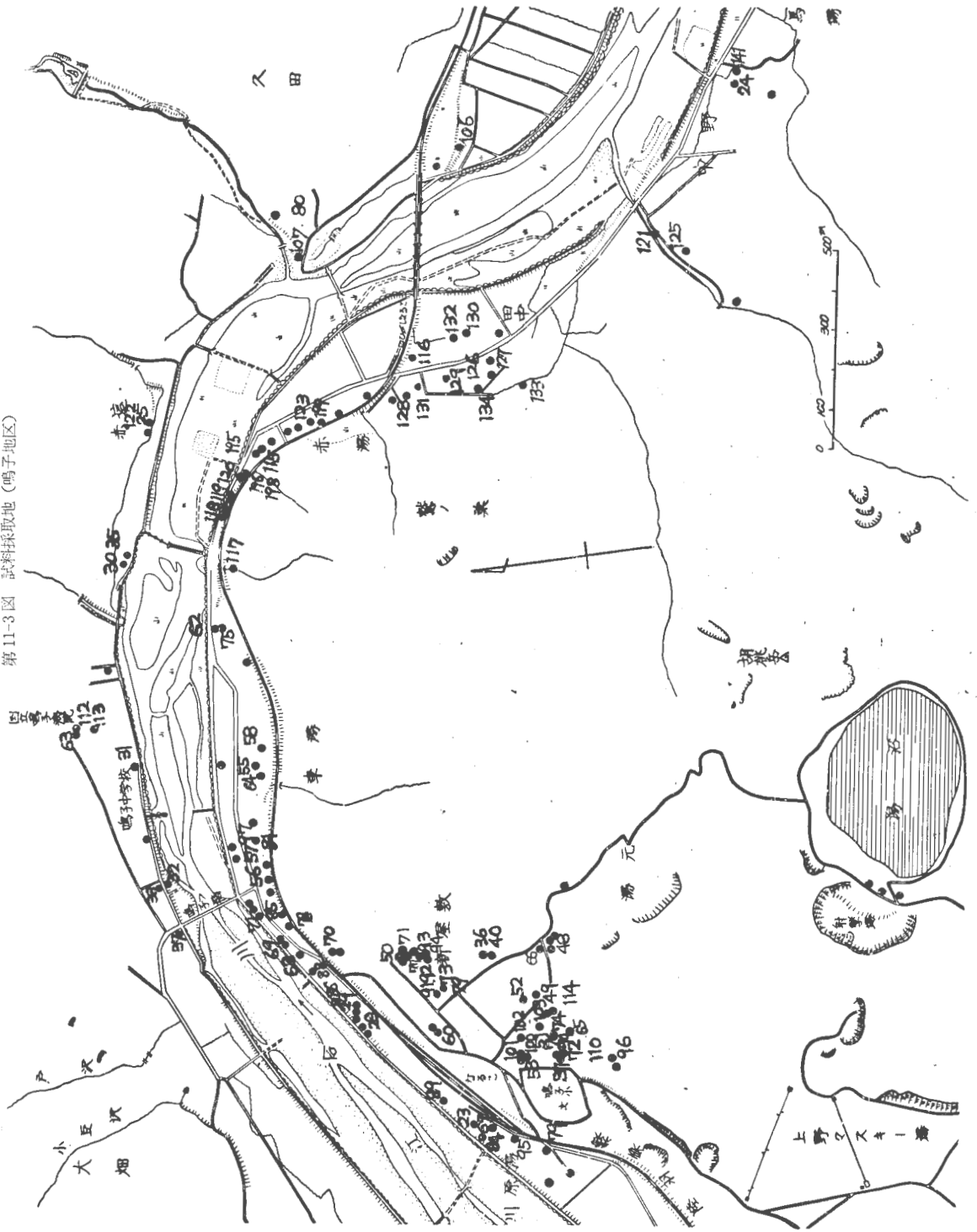
第11-1図 栗駒南部地域（宮城県北部）における温泉の分布および試料採取地



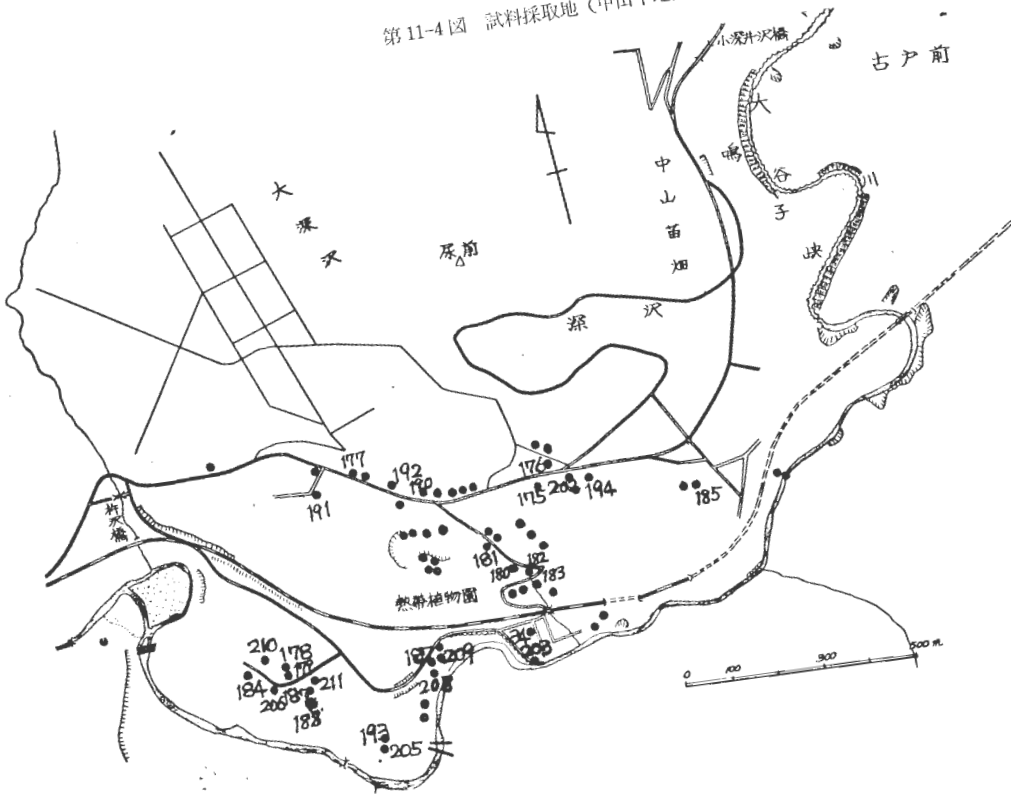
第11-2図 試料採取地（鬼首地区）



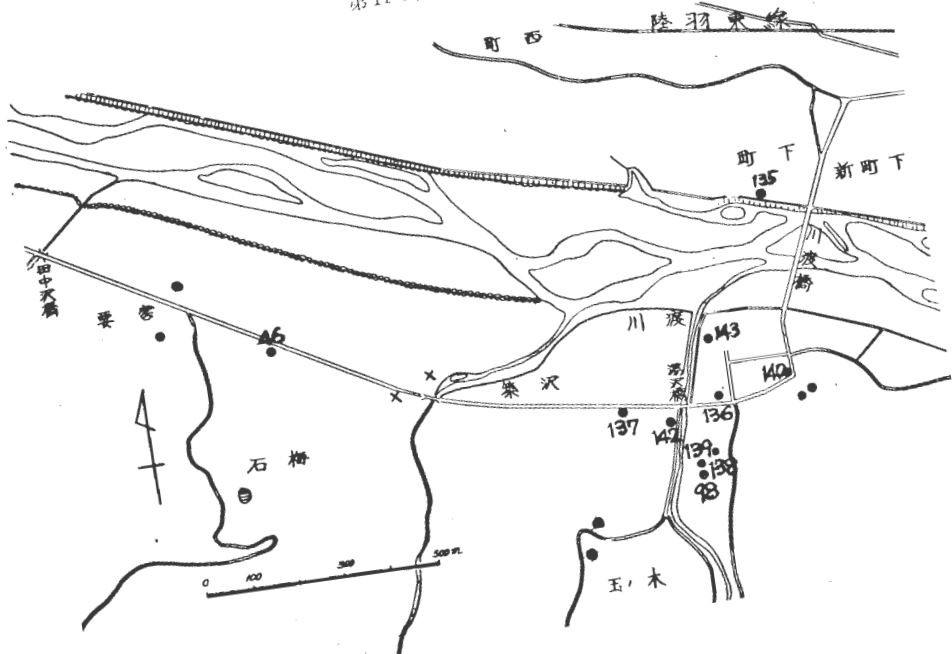
第11-3图 試料採取地(鳴子地区)



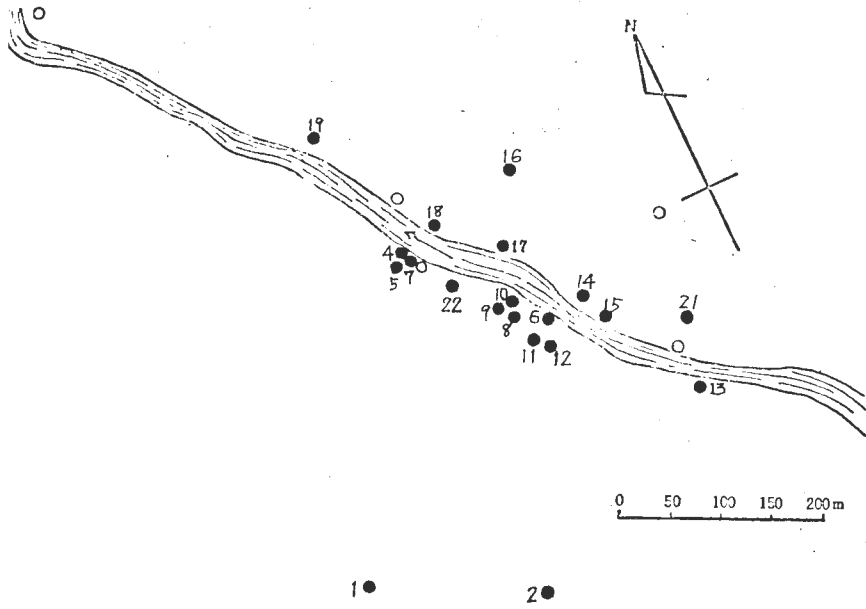
第11-4図 試料採取地 (中山平地区)



第11-5図 試料採取地 (川渡地区)



第 11-6 図 試料採取地 (月山, 赤倉地区)

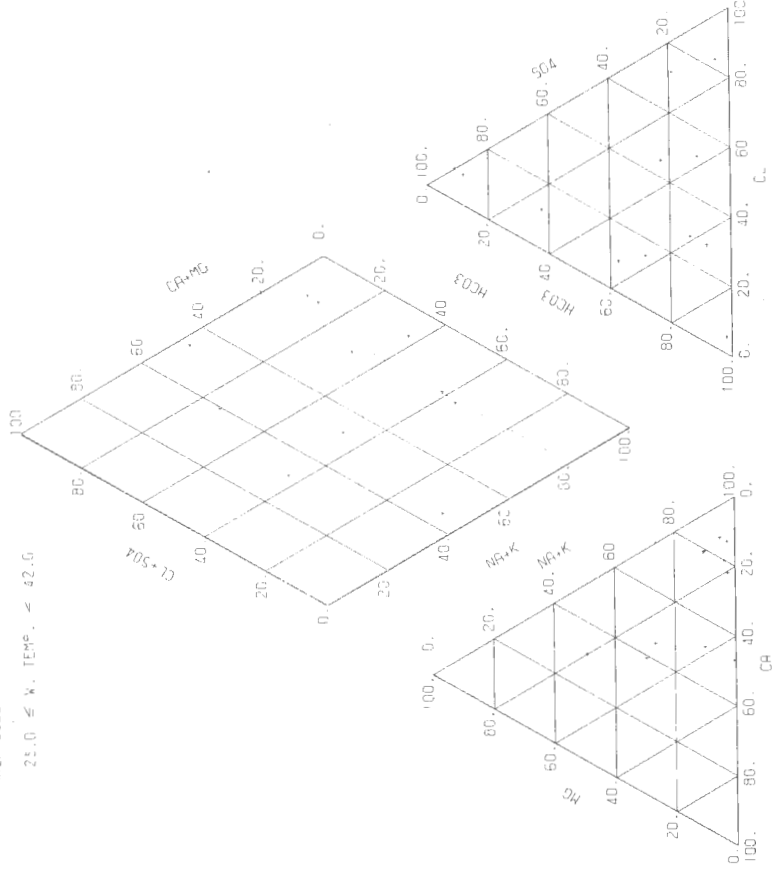


第11-7 図 栗駒南部地域水質組成図 (その1) (水温25℃以上42℃未満)

SOUTH KURIKOMA

AREA CODE KSC

25.0 ≤ W. TEMP. < 42.0

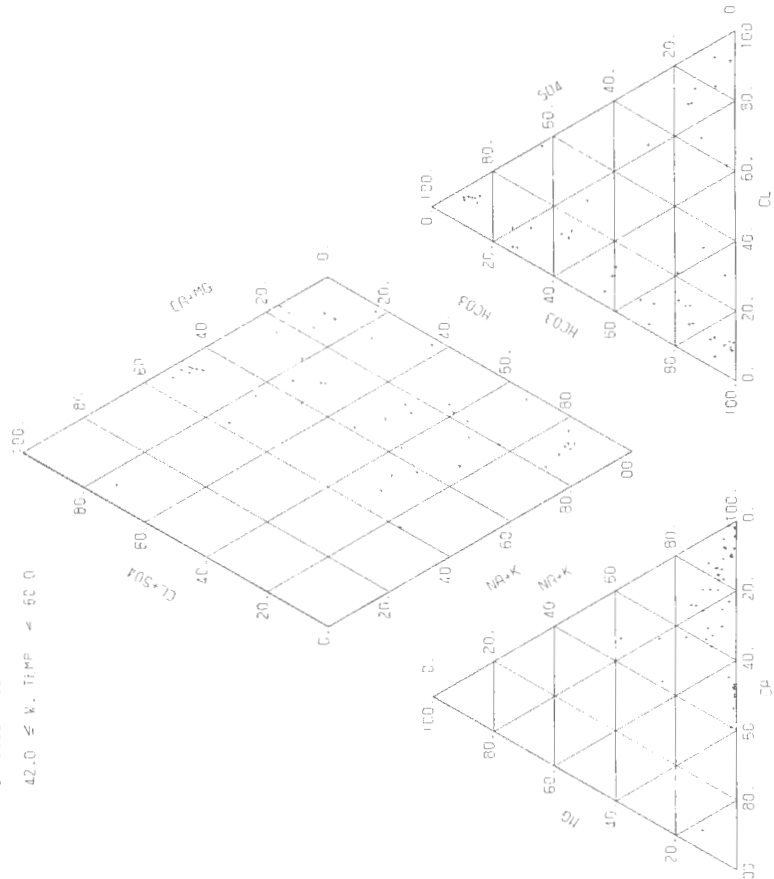


第11-7 図 栗駒南部地域水質組成図 (その2) (水温42℃以上60℃未満)

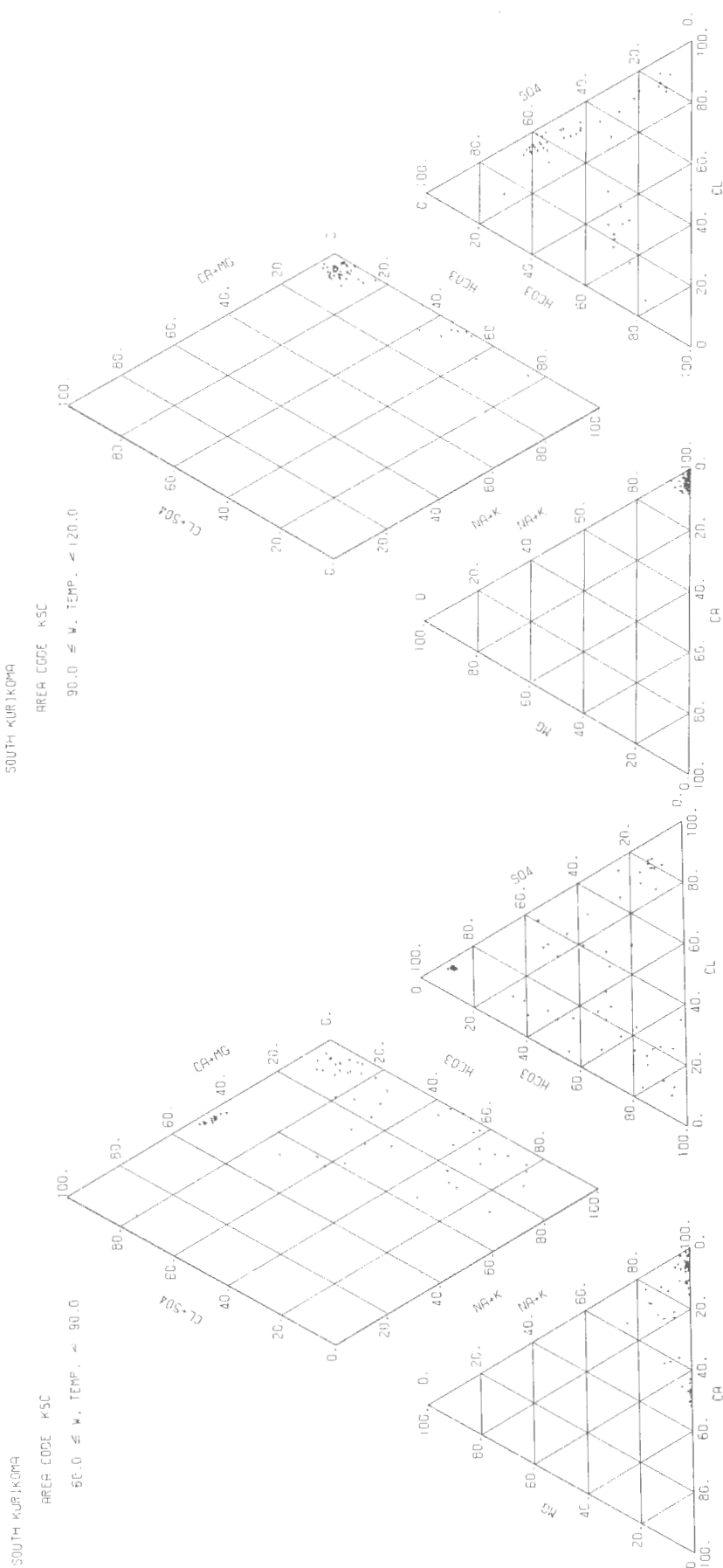
SOUTH KURIKOMA

AREA CODE KSC

42.0 ≤ W. TEMP. < 60.0

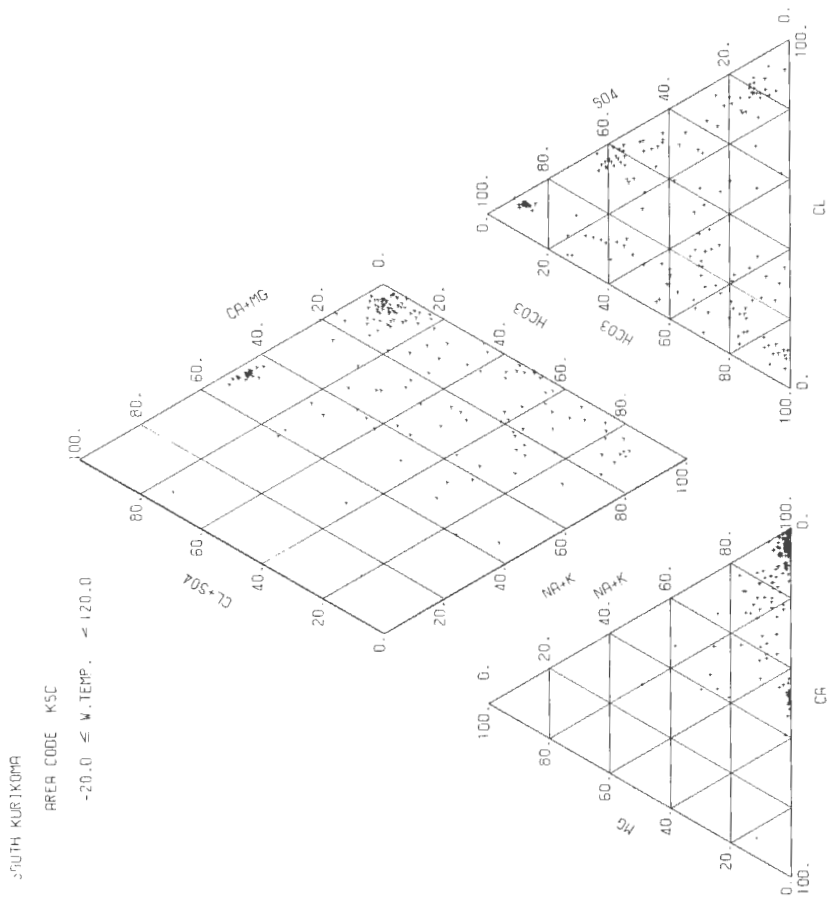


第11-7図 栗駒南部地域水質組成図（その3）（水温60℃以上90℃未満）

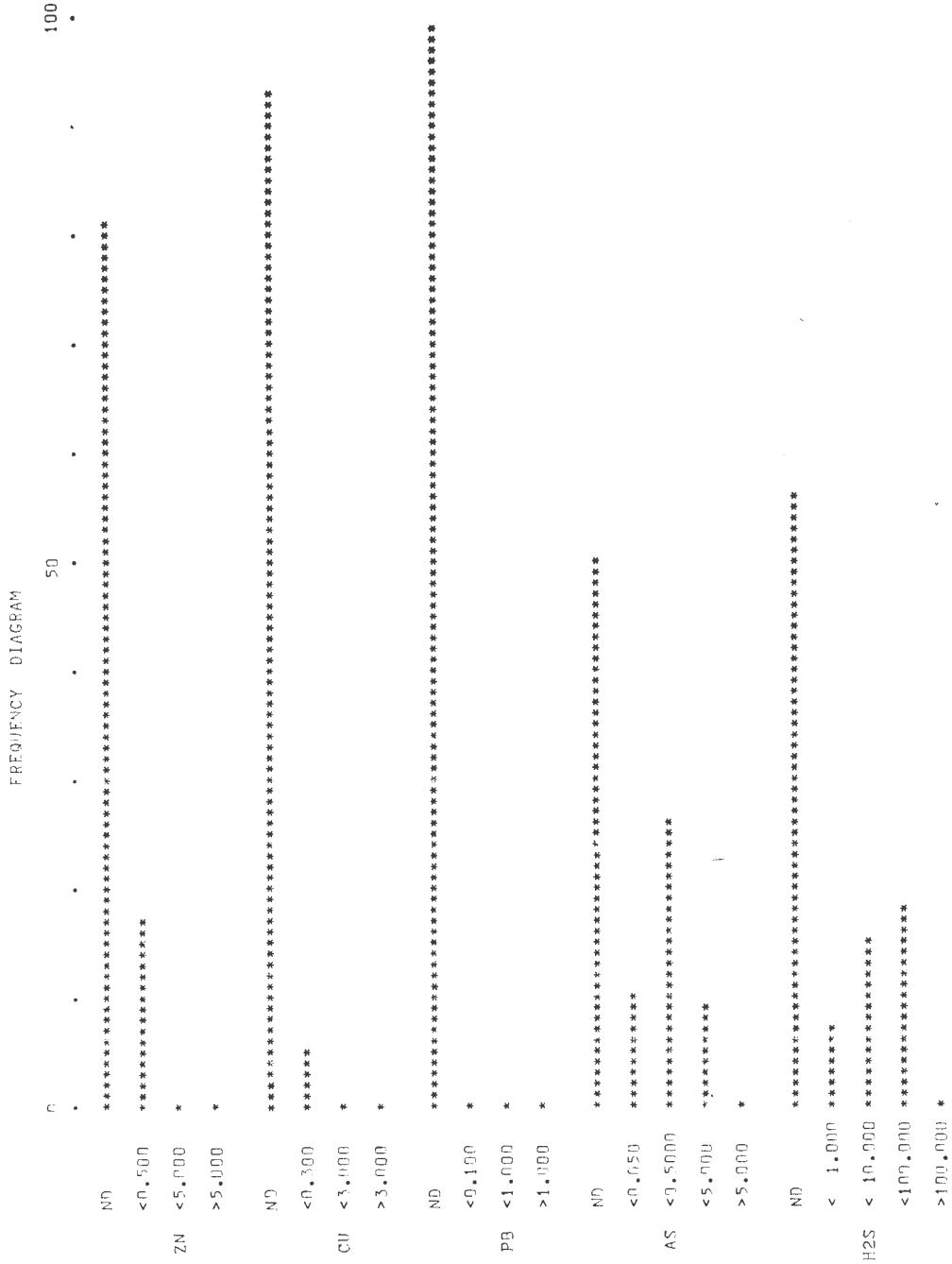


第11-7図 栗駒南部地域水質組成図（その4）（水温90℃以上120℃未満）

第11-7図 栗駒南部地域水質組成図(その5) (全試料)



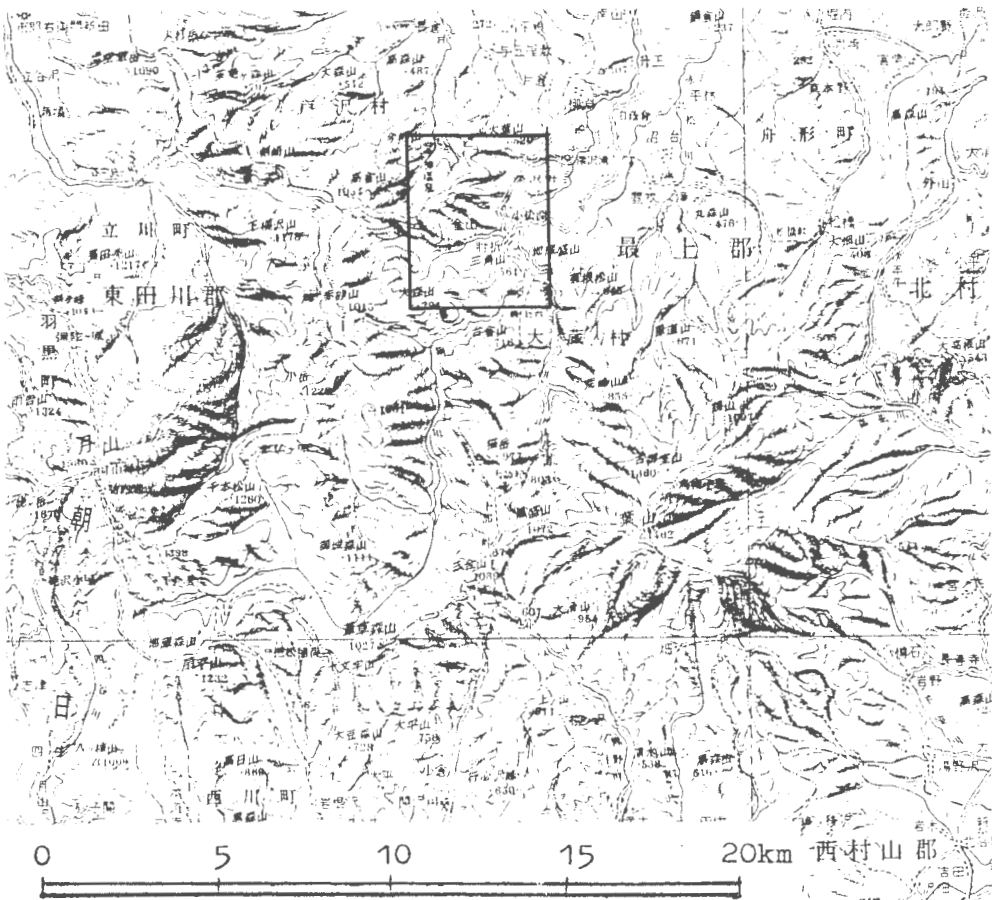
第 11-8 図 栗駒南部地域特定成分含量の頻度分布図



12. 肘折 Hijiori

| | |
|-------|-----------------|
| 位置 | 山形県最上郡大蔵村，同郡戸沢村 |
| データ数 | 23 |
| 収集・整理 | 阿部智彦・比留川 貴 |
| 協力 | 山形県衛生研究所 |

調査位置図（20万分の1地勢図 仙台）



第12-1表 肘折地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|--------------------|-----|-----|--------|------------|-------|-----------|------|
| HJC-1 | 山形県最上郡大蔵村大字南山銅山/川内 | 肘 | 折 | 三浦屋 | 1966.10.25 | 76 | 1968 | F |
| "-2 | " | " | " | 赤湯 | " 10.25 | " | 1969 | F |
| "-3 | " | " | " | 亀屋 | " 10.25 | " | 1971 | F |
| "-4 | " | " | " | 丸屋 | " 10.25 | " | 1972 | F |
| "-5 | " | " | " | 共同浴場1号 | " 10.24 | " | 1973 | F |
| "-6 | " | " | " | 共同浴場2号 | " 10.24 | " | 1974 | F |
| "-7 | " | " | " | 上の湯3号 | 1973.2.27 | " | 14465 | P, X |
| "-8 | " | " | " | 松屋3号 | 1971.11.9 | " | 9410 | F, X |
| "-9 | " | " | " | 松屋4号 | " 11.9 | " | 10292 | F, X |
| "-10 | " | " | " | 組合3号 | 1970.9.3 | " | 7661 | P, X |
| "-11 | " | " | " | 松屋1号 | 1966.10.25 | " | 1975 | F |
| "-12 | " | " | " | 松屋2号 | " 10.25 | " | 1976 | F |
| "-13 | " | " | " | 大友 | " 10.25 | " | 1977 | P |
| "-14 | " | " | " | 村井屋 | " 10.25 | " | 1978 | P |
| "-15 | " | " | " | 三春屋 | " 10.25 | " | 1979 | P |
| "-16 | " | " | " | 松井旅館 | " 10.25 | " | 1980 | F, X |
| "-17 | " | " | " | 川原共同浴場 | " 10.26 | " | 1981 | F, X |
| "-18 | " | " | " | 横山1号 | " 10.25 | " | 1982 | F |
| "-19 | " | " | " | 組合2号 | " 10.26 | " | 1970 | P |
| "-20 | " | 金山 | 山 | 黄金共同浴場 | " 10.24 | " | 1983 | P |
| "-21 | " | " | " | 黄金 | 1972.1.11 | " | 12007 | " |
| "-22 | " | " | " | 炭酸泉 | 1966.1.24 | " | 1984 | F |
| "-23 | " | 今神 | 今神 | | 1969.7.24 | " | 1983 | F |

備考のFは自噴, Pはポンプ揚水, Xは源泉位置不明を示す。

第 12-2 表 府折地域水質一覽表

| | HJC 1 | HJC 2 | HJC 3 | HJC 4 |
|----------------------------------|----------|----------|----------|----------|
| NO | | | | |
| TEMP | 42.8 | 52.0 | 53.0 | 46.2 |
| TSM | 1458.000 | 2830.000 | 2484.000 | 2164.000 |
| PH(FD) | 6.10 | 6.70 | 6.50 | 6.20 |
| PH(LLB) | 6.20 | 6.70 | 6.50 | 6.30 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 0.001 | 0.000 | 0.000 | 0.001 |
| NA | 39.570 | 79.450 | 64.910 | 56.300 |
| NH4 | 400.200 | 805.000 | 705.200 | 611.800 |
| CA | 55.670 | 95.310 | 84.330 | 75.910 |
| MG | 10.520 | 24.010 | 24.030 | 17.880 |
| FE | 4.040 | 3.790 | 5.640 | 1.471 |
| MN | 0.230 | 0.896 | 0.136 | 0.168 |
| ZN | | | 0.033 | 0.352 |
| CU | | | | |
| PB | | | | |
| AL | 1.673 | 2.004 | 1.087 | 2.055 |
| CL | 523.100 | 985.600 | 874.400 | 801.800 |
| BP | 1.851 | 1.958 | 1.808 | 1.624 |
| I | 0.129 | 0.444 | 0.234 | 0.216 |
| F | | | | |
| OH | | 0.002 | | |
| S04 | 119.800 | 196.700 | 184.400 | 163.800 |
| S2O3 | | | | |
| HC03 | 316.200 | 754.200 | 652.300 | 464.500 |
| C03 | 0.024 | 0.222 | 0.120 | 0.042 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 72.994 | 98.975 | 91.991 | 85.038 |
| H3PO4 | 14.179 | 35.435 | 70.871 | 35.435 |
| HASO2 | | | | |
| C02 | | | | |
| H2S | 608.200 | 362.600 | 502.200 | 703.700 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 17.199 | 17.230 | 18.475 | 18.479 |
| CA/(HC03+C03) | 0.536 | 0.585 | 0.593 | 0.497 |
| MG/CA | 0.312 | 0.415 | 0.470 | 0.388 |
| NA/CA | 6.267 | 7.363 | 7.290 | 7.026 |
| CL/(HC03+C03) | 2.847 | 2.248 | 2.306 | 2.970 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 65.777 | 62.808 | 62.924 | 67.230 |
| S04*100/(CL+S04+HC03+C03) | 11.118 | 9.251 | 9.794 | 10.137 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.105 | 27.941 | 27.283 | 22.633 |
| (NA+K)*100/(NA+K+CA+MG) | 83.487 | 84.624 | 83.943 | 84.212 |
| CA*100/(NA+K+CA+MG) | 12.590 | 10.863 | 10.924 | 11.371 |
| MG*100/(NA+K+CA+MG) | 3.923 | 4.513 | 5.133 | 4.417 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 76.895 | 72.059 | 72.717 | 77.367 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 23.105 | 27.941 | 27.283 | 22.633 |
| (NA+K)*100/(NA+K+CA+MG) | 83.487 | 84.624 | 83.943 | 84.212 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.513 | 15.376 | 16.057 | 15.788 |

第12-2表 府折地減水質一覽表 (つづき)

| | HJC 5 | HJC 6 | HJC 7 | HJC 8 |
|----------------------------------|---------|----------|----------|----------|
| NO | | | | |
| TEMP | 55.8 | 52.0 | 45.6 | 36.5 |
| TSM | 254.000 | 2325.000 | 1870.000 | 1433.000 |
| PH(FD) | 6.50 | 6.40 | 6.30 | 6.30 |
| PH(LB) | 6.50 | 6.50 | 6.50 | 6.60 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 62.560 | 1.600 | 0.001 | 0.001 |
| NA | 749.800 | 32.516 | 42.500 | 32.060 |
| NH4 | | 50.090 | 560.000 | 466.900 |
| CA | 24.330 | 4.208 | 58.460 | 45.850 |
| MG | 19.120 | 1.573 | 16.520 | 11.320 |
| FE | 0.344 | 0.012 | 0.184 | 0.057 |
| MN | 0.210 | 0.008 | 0.190 | 0.007 |
| ZN | | | | 0.090 |
| CU | | | | |
| PB | | | | |
| AL | 1.574 | 0.175 | 0.553 | 0.048 |
| CL | 894.700 | 25.239 | 624.100 | 496.600 |
| BR | 1.725 | 0.022 | 1.445 | 0.200 |
| I | 0.228 | 0.002 | 0.134 | 0.028 |
| F | | | | |
| OH | | | | |
| SO4 | 180.300 | 3.754 | 135.400 | 107.800 |
| S2O3 | | | | |
| HC03 | 687.700 | 11.271 | 591.700 | 500.200 |
| CO3 | 0.126 | 0.004 | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HBO2 | 101.992 | 1.698 | 81.025 | 79.990 |
| H3PO4 | 31.891 | 0.728 | 32.000 | 0.730 |
| HASO2 | | | 0.893 | 0.009 |
| CO2 | | | 0.043 | 0.000 |
| H2S | 529.000 | 12.019 | 540.000 | 409.200 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 20.382 | | | |
| CA/(HC03+CO3) | 0.373 | 22.987 | 22.407 | 24.766 |
| MG/CA | 0.374 | 0.357 | 0.466 | 0.279 |
| NA/CA | 7.751 | 7.143 | 8.351 | 0.407 |
| CL/(HC03+CO3) | 2.238 | 2.302 | 1.815 | 8.877 |
| CL/F | | | | 1.709 |
| CL*100/(CL+S04+HC03+CO3) | 62.677 | 63.063 | 58.447 | 57.293 |
| SO*100/(CL+S04+HC03+CO3) | 9.322 | 9.544 | 9.358 | 9.179 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 28.001 | 27.394 | 32.195 | 33.528 |
| (NA+K)*100/(NA+K+CA+MG) | 85.546 | 84.599 | 85.612 | 86.778 |
| CA*100/(NA+K+CA+MG) | 10.521 | 11.351 | 9.814 | 9.396 |
| MG*100/(NA+K+CA+MG) | 3.934 | 4.050 | 4.574 | 3.826 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 71.999 | 72.606 | 67.805 | 66.472 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 28.001 | 27.394 | 32.195 | 33.528 |
| (NA+K)*100/(NA+K+CA+MG) | 85.546 | 84.599 | 85.612 | 86.778 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.454 | 15.401 | 14.388 | 13.222 |

第12-2表 耐折地蔵水質一覽表 (つづき)

| NO | HJC 9 | | | HJC 10 | | | HJC 11 | | | HJC 12 | | |
|----------------------------------|---------|----------|----------|----------|----------|--------|--------|----------|----------|----------|----------|----------|
| | 31.8 | 77.3 | 41.5 | 41.5 | 1711.000 | 6.00 | 6.20 | 0.001 | 0.001 | 0.001 | 0.001 | 0.820 |
| TEMP | 861.000 | 3443.000 | 1711.000 | 1711.000 | 1711.000 | 6.00 | 6.20 | 1722.000 | 1722.000 | 1722.000 | 1722.000 | 1722.000 |
| TSM | 6.30 | 6.70 | 6.00 | 6.00 | 6.00 | 6.00 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 |
| PH(FD) | 6.60 | 6.90 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 |
| PH(LB) | 6.60 | 6.90 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 |
| H (MG/KG)(MVAL/KG) | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| K | 15.060 | 0.385 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 | 2.801 |
| NA | 287.700 | 12.515 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 | 40.220 |
| NH4 | 22.490 | 1.122 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 | 4.676 |
| CA | 4.636 | 0.381 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 |
| MG | 0.030 | 0.001 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 | 0.098 |
| FE | 0.089 | 0.003 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 | 0.045 |
| MN | - | - | - | - | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - | - | - | - | - |
| AL | 0.035 | 0.004 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 | 0.093 |
| CL | 255.300 | 7.202 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 | 3.301 |
| BR | 0.120 | 0.002 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 | 1.662 |
| I | 0.032 | 0.000 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 | 0.491 |
| F | - | - | - | - | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - | - | - | - | - |
| S04 | 58.840 | 1.225 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 | 5.449 |
| S203 | - | - | - | - | - | - | - | - | - | - | - | - |
| HC03 | 378.200 | 6.199 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 | 13.017 |
| C03 | - | - | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 |
| SI02 (MG/KG)(MMOL/KC) | 73.006 | 1.216 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 | 2.081 |
| HE02 | - | - | - | - | - | - | - | - | - | - | - | - |
| H3P04 | 0.823 | 0.008 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 | 2.689 |
| HAS02 | 0.464 | 0.004 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 | 1.727 |
| C02 | 325.600 | 7.398 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 | 8.674 |
| H2S | - | - | - | - | - | - | - | - | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - | - | - | - | - |
| NA/K | 32.487 | 14.359 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 | 17.332 |
| CA/(HC03+C03) | 0.181 | 0.359 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 |
| MG/CA | 0.340 | 0.513 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 | 0.309 |
| NA/CA | 11.152 | 8.602 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 | 5.891 |
| CL/(HC03+C03) | 1.162 | 0.254 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 | 3.725 |
| CL/F | - | - | - | - | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 49.242 | 15.163 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 | 70.220 |
| S04*100/(CL+S04+HC03+C03) | 8.376 | 25.032 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 | 10.928 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 42.392 | 59.805 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 |
| (NA+K)*100/(NA+K+CA+MG) | 89.560 | 85.877 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 |
| CA*100/(NA+K+CA+MG) | 7.791 | 9.333 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 | 13.646 |
| MG*100/(NA+K+CA+MG) | 2.649 | 4.790 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 | 4.223 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 57.613 | 40.195 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 | 81.147 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 42.392 | 59.805 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 | 18.853 |
| (NA+K)*100/(NA+K+CA+MG) | 89.560 | 85.877 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 | 82.132 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.440 | 14.123 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 | 17.868 |

第12-2表 貯折地蔵水質一覽表 (つづき)

| | HJC 13 | HJC 14 | HJC 15 | HJC 16 |
|----------------------------------|----------|----------|----------|----------|
| NO | 71.0 | 52.7 | 57.8 | 44.2 |
| TEMP | 3178.000 | 2226.000 | 2463.000 | 1890.000 |
| PH(FD) | 6.90 | 6.20 | 6.40 | 6.20 |
| PH(LB) | 7.00 | 6.40 | 6.40 | 6.50 |
| H (MG/KG) (MVAL/KG) | — | 0.001 | 0.001 | 0.001 |
| K | 78.980 | 2.020 | 1.260 | 39.880 |
| NA | 944.400 | 41.081 | 27.414 | 547.400 |
| NAH4 | — | — | — | — |
| CA | 94.430 | 4.712 | 3.510 | 57.680 |
| MG | 23.010 | 1.893 | 1.791 | 15.650 |
| FE | 2.330 | 0.083 | 0.038 | 1.148 |
| MN | 0.300 | 0.011 | 0.013 | 0.268 |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PR | — | — | — | — |
| AL | 2.365 | 0.263 | 0.136 | 2.087 |
| CL | 1077.000 | 30.382 | 21.386 | 649.600 |
| BR | 1.998 | 0.025 | 0.018 | 1.184 |
| I | 0.169 | 0.001 | 0.001 | 0.085 |
| F | — | — | — | — |
| OH | 0.002 | 0.000 | — | — |
| S04 | 230.500 | 4.799 | 3.350 | 140.500 |
| S203 | — | — | — | — |
| HC03 | 851.200 | 13.951 | 9.678 | 501.800 |
| C03 | 0.384 | 0.013 | 0.002 | 0.042 |
| SI02 (MG/KG) (MMOL/KG) | 112.036 | 1.865 | 1.465 | 76.014 |
| HR02 | 60.223 | 1.574 | 0.970 | 35.435 |
| H3P04 | — | — | — | — |
| HAS02 | — | — | — | — |
| C02 | — | — | — | — |
| H2S | 266.000 | 6.044 | 20.318 | 700.600 |
| RN (*E-10 CURIE/L) | — | — | — | — |
| NA/K | 20.334 | 21.751 | 23.801 | 23.342 |
| CA/(HC03+C03) | 0.337 | 0.363 | 0.165 | 0.350 |
| MG/CA | 0.402 | 0.510 | 0.804 | 0.447 |
| NA/CA | 8.718 | 7.810 | 17.116 | 8.273 |
| CL/(HC03+C03) | 2.176 | 2.209 | 1.894 | 2.228 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 61.821 | 62.140 | 57.759 | 62.169 |
| S04*100/(CL+S04+HC03+C03) | 9.765 | 9.734 | 11.746 | 9.924 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.414 | 28.127 | 30.495 | 27.907 |
| (NA+K)*100/(NA+K+CA+MG) | 36.711 | 84.396 | 90.815 | 85.633 |
| CA*100/(NA+K+CA+MG) | 9.480 | 10.331 | 5.092 | 9.926 |
| MG*100/(NA+K+CA+MG) | 3.809 | 5.273 | 4.093 | 4.441 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 71.586 | 71.873 | 69.505 | 72.093 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.414 | 28.127 | 30.495 | 27.907 |
| (NA+K)*100/(NA+K+CA+MG) | 36.711 | 84.396 | 90.815 | 85.633 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.289 | 15.604 | 9.185 | 14.367 |

第12-2表 折り地域水質一覧表(つづき)

| | HJC 17 | HJC 18 | HJC 19 | HJC 20 |
|----------------------------------|----------|----------|----------|----------|
| NO | | | | |
| TEMP | 38.2 | 38.7 | 86.8 | 62.2 |
| TSM | 2015.000 | 1598.000 | 4161.000 | 3572.000 |
| PH(FD) | 6.20 | 6.20 | 7.30 | 6.60 |
| PH(CLB) | 6.30 | 6.40 | 7.10 | 6.80 |
| H (MG/KG) (MVAL/KG) | 0.001 | 0.001 | 0.001 | 0.001 |
| K | 39.880 | 1.020 | 0.888 | 97.750 |
| NA | 528.300 | 22.981 | 17.130 | 993.600 |
| NH4 | | | | |
| CA | 58.200 | 2.904 | 2.820 | 90.220 |
| MG | 41.920 | 3.450 | 3.278 | 71.560 |
| FE | 3.880 | 0.139 | 1.835 | 3.670 |
| MN | 0.182 | 0.007 | 0.016 | 1.720 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 2.553 | 0.284 | 0.276 | 3.296 |
| CL | 624.100 | 17.606 | 1359.000 | 1350.000 |
| BR | 1.272 | 0.016 | 0.017 | 3.106 |
| I | 0.138 | 0.001 | 0.002 | 0.402 |
| F | | | | |
| OH | 143.600 | 112.800 | 301.700 | 143.200 |
| S04 | | 2.990 | 2.348 | 6.281 |
| S203 | | | | |
| HC03 | 621.800 | 10.191 | 9.355 | 22.143 |
| C03 | 0.060 | 0.002 | 0.002 | 0.042 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 102.992 | 1.715 | 1.665 | 167.058 |
| H3PO4 | 28.347 | 0.647 | 0.647 | 85.029 |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 942.300 | 21.409 | 19.639 | 577.900 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 22.528 | 19.288 | 17.935 | 17.286 |
| CA/(HCO3+C03) | 0.235 | 0.301 | 0.135 | 0.286 |
| MG/CA | 1.188 | 1.163 | 0.913 | 1.308 |
| NA/CA | 7.913 | 6.075 | 17.412 | 9.601 |
| CL/(HCO3+C03) | 1.727 | 1.372 | 1.728 | 2.415 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 57.132 | 52.302 | 57.388 | 67.009 |
| S04*100/(CL+S04+HC03+C03) | 9.710 | 9.570 | 9.403 | 5.246 |
| (HCO3+C03)*100/(CL+S04+HC03+C03) | 33.107 | 38.128 | 33.209 | 27.745 |
| (NA+K)*100/(NA+K+CA+MG) | 79.068 | 74.713 | 90.574 | 81.483 |
| CA*100/(NA+K+CA+MG) | 9.567 | 11.693 | 4.927 | 8.023 |
| MG*100/(NA+K+CA+MG) | 11.364 | 13.594 | 4.498 | 10.494 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 66.893 | 61.872 | 66.791 | 72.255 |
| (HCO3+C03)*100/(CL+S04+HC03+C03) | 33.107 | 38.128 | 33.209 | 27.745 |
| (NA+K)*100/(NA+K+CA+MG) | 79.068 | 74.713 | 90.574 | 81.483 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.932 | 25.287 | 9.426 | 18.517 |

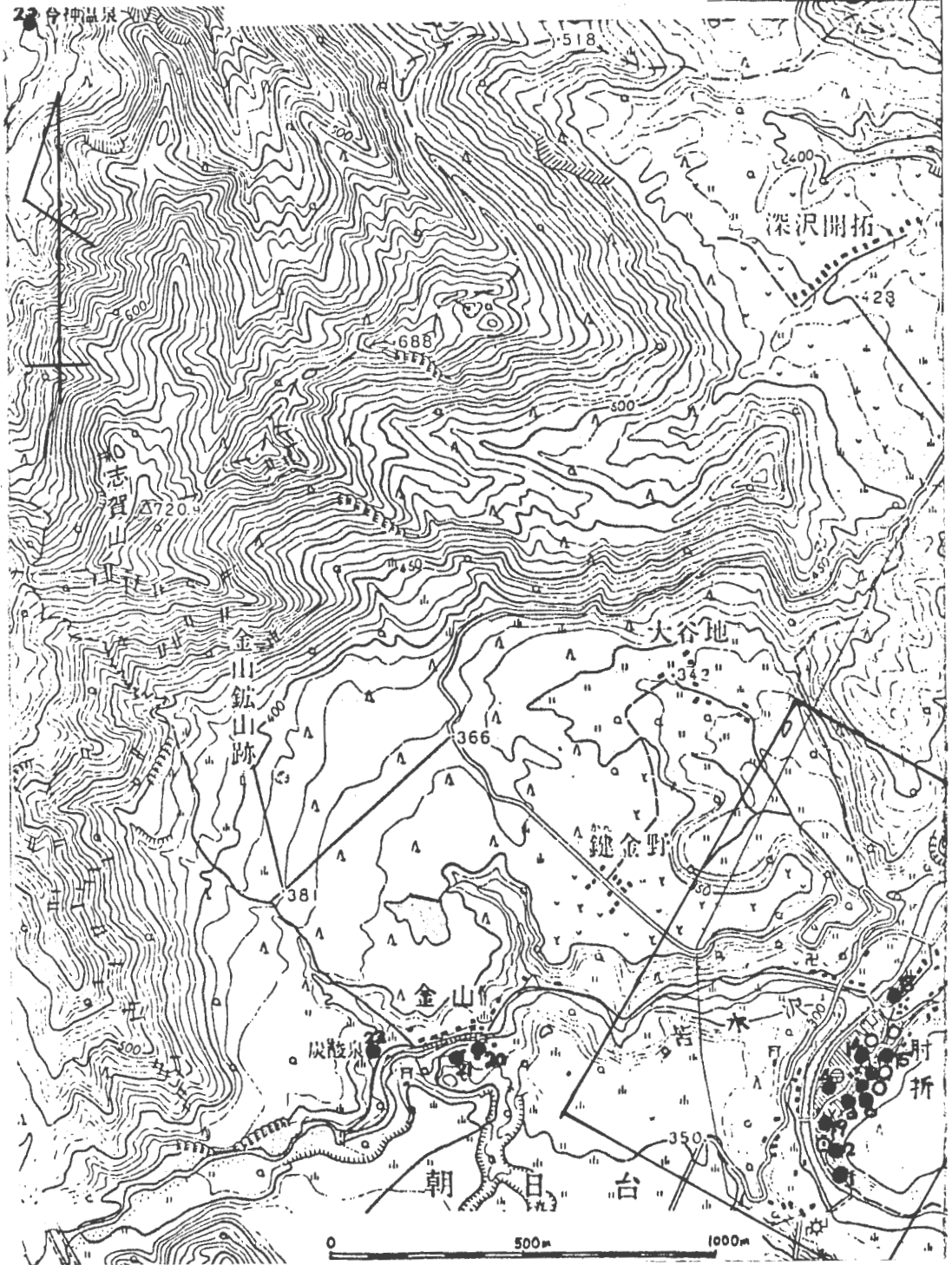
第12-2表 付折地域水質一覧表(つづき)

| NO | HJC 21 | | | HJC 22 | | | HJC 23 | | |
|----------------------------------|----------|--------|----------|---------|---------|---------|----------|--------|--------|
| | TEMP | PH(FD) | PH(LB) | TEMP | PH(FD) | PH(LB) | TEMP | PH(FD) | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | | |
| K | 215.000 | 5.500 | 0.004 | 0.004 | 0.004 | 0.004 | 30.310 | 0.775 | - |
| NA | 1783.000 | 77.561 | 8.602 | 1.603 | 0.041 | 0.374 | 55.600 | 2.419 | 0.009 |
| NH4 | 0.520 | 0.029 | - | - | - | - | 0.166 | 0.009 | 2.377 |
| CA | 30.620 | 1.523 | 1.602 | 1.602 | 0.080 | 0.080 | 47.640 | 1.860 | 0.013 |
| MG | 39.660 | 3.264 | 3.402 | 3.402 | 0.280 | 0.025 | 22.600 | 0.374 | 0.020 |
| FE | 0.211 | 0.008 | 0.703 | 0.703 | - | - | 0.550 | - | - |
| MN | - | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - | - |
| AL | 0.322 | 0.036 | - | - | - | - | 0.689 | 0.077 | - |
| CL | 2429.000 | 68.522 | 1.516 | 1.516 | 0.043 | 0.043 | 372.400 | 10.505 | 0.007 |
| BR | 2.541 | 0.032 | - | - | - | - | 0.527 | 0.002 | 0.002 |
| I | 0.271 | 0.002 | - | - | - | - | 0.305 | - | - |
| F | - | - | - | - | - | - | - | - | - |
| OH | 0.009 | 0.001 | - | - | - | - | - | - | - |
| S04 | 257.600 | 5.363 | 2.878 | 2.878 | 0.060 | 0.060 | 419.700 | 8.738 | - |
| S203 | - | - | - | - | - | - | - | - | - |
| HC03 | 855.200 | 14.017 | 9043.420 | 148.222 | 148.222 | 148.222 | 617.300 | 10.118 | 0.002 |
| C03 | 2.526 | 0.084 | - | - | - | - | 0.048 | - | - |
| SI02 (MG/KG) (MMOL/KG) | 150.054 | 2.498 | 2.100 | 2.100 | 0.035 | 0.035 | 83.032 | 1.382 | 0.097 |
| HB02 | 35.430 | 0.809 | 4.251 | 4.251 | 0.097 | 0.097 | 4.251 | 1.348 | 0.016 |
| H3P04 | - | - | - | - | - | - | - | - | - |
| HAS02 | 4.500 | 0.042 | - | - | - | - | - | - | - |
| C02 | 41.140 | 0.935 | 417.600 | 417.600 | 9.488 | 9.488 | 1188.000 | 26.991 | - |
| H2S | - | - | - | - | - | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - | - |
| NA/K | 14.103 | - | 9.125 | 9.125 | - | - | 3.119 | - | - |
| CA/(HC03+C03) | 0.108 | - | 0.001 | 0.001 | - | - | 0.235 | - | - |
| MG/CA | 2.136 | - | 3.502 | 3.502 | - | - | 0.782 | - | - |
| NA/CA | 50.762 | - | 4.681 | 4.681 | - | - | 1.017 | - | - |
| CL/(HC03+C03) | 4.859 | - | 0.000 | 0.000 | - | - | 1.038 | - | - |
| CL/F | - | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 77.878 | - | 0.029 | 0.029 | - | - | 35.778 | - | - |
| S04*100/(CL+S04+HC03+C03) | 6.096 | - | 0.040 | 0.040 | - | - | 29.759 | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 16.026 | - | 99.931 | 99.931 | - | - | 34.463 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 94.546 | - | 53.567 | 53.567 | - | - | 42.982 | - | - |
| CA*100/(NA+K+CA+MG) | 1.739 | - | 10.314 | 10.314 | - | - | 31.991 | - | - |
| MG*100/(NA+K+CA+MG) | 3.715 | - | 36.119 | 36.119 | - | - | 25.027 | - | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 83.974 | - | 0.069 | 0.069 | - | - | 65.537 | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 16.026 | - | 99.931 | 99.931 | - | - | 34.463 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 94.546 | - | 53.567 | 53.567 | - | - | 42.982 | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | 5.454 | - | 46.433 | 46.433 | - | - | 57.018 | - | - |

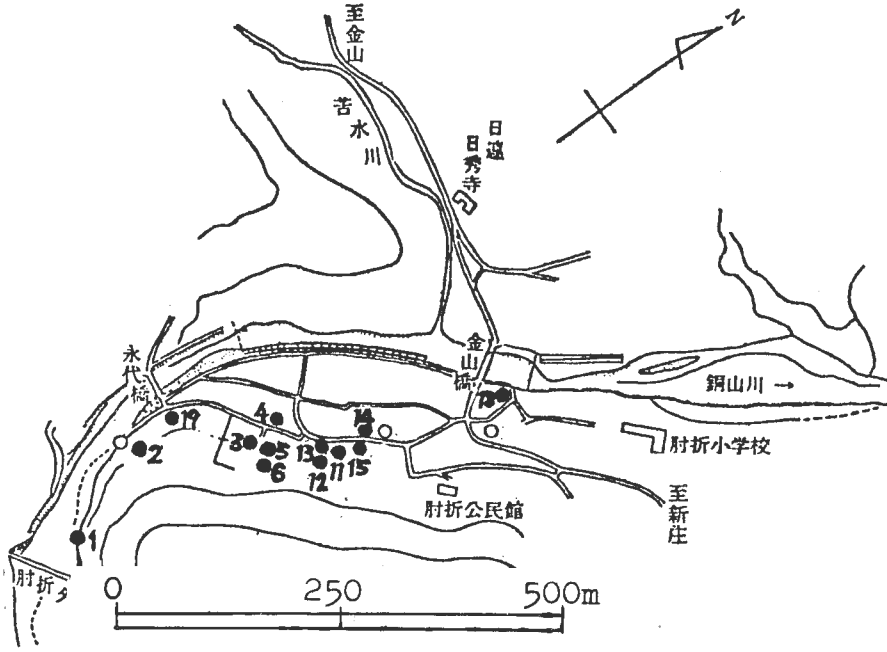
第 12-3 表 肘折地域特定成分含量の頻度分布表

| FREQUENCY DATA OF Zn, Cu, Pb, As AND H2S | | | |
|--|----|-------|-------|
| Zn | N | F(%) | F(%) |
| ND | 23 | 100.0 | 100.0 |
| <0.500 | 0 | 0. | 0. |
| <5.000 | 0 | 0. | 0. |
| >5.000 | 0 | 0. | 0. |
| TOTAL | 23 | 100.0 | 100.0 |
| | | | |
| Cu | | | |
| | N | F(%) | F(%) |
| ND | 13 | 56.5 | 78.3 |
| <0.050 | 1 | 4.3 | 4.3 |
| <0.500 | 2 | 8.7 | 8.7 |
| <5.000 | 2 | 8.7 | 8.7 |
| >5.000 | 0 | 0. | 0. |
| TOTAL | 23 | 100.0 | 100.0 |
| | | | |
| Pb | | | |
| | N | F(%) | F(%) |
| ND | 23 | 100.0 | 100.0 |
| <0.100 | 0 | 0. | 0. |
| <1.000 | 0 | 0. | 0. |
| >1.000 | 0 | 0. | 0. |
| TOTAL | 23 | 100.0 | 100.0 |
| | | | |
| As | | | |
| | N | F(%) | F(%) |
| ND | 23 | 100.0 | 100.0 |
| <0.050 | 1 | 4.3 | 4.3 |
| <0.500 | 2 | 8.7 | 8.7 |
| <5.000 | 2 | 8.7 | 8.7 |
| >5.000 | 0 | 0. | 0. |
| TOTAL | 23 | 100.0 | 100.0 |
| | | | |
| H2S | | | |
| | N | F(%) | F(%) |
| ND | 23 | 100.0 | 100.0 |
| < 1.000 | 0 | 0. | 0. |
| < 10.000 | 0 | 0. | 0. |
| <100.000 | 0 | 0. | 0. |
| >100.000 | 0 | 0. | 0. |
| TOTAL | 23 | 100.0 | 100.0 |

第12-1圖 試料採取地(肘折地域)



第12-2図 試料採取地(肘折温泉) (山形県温泉協会, 1973による拡大図)

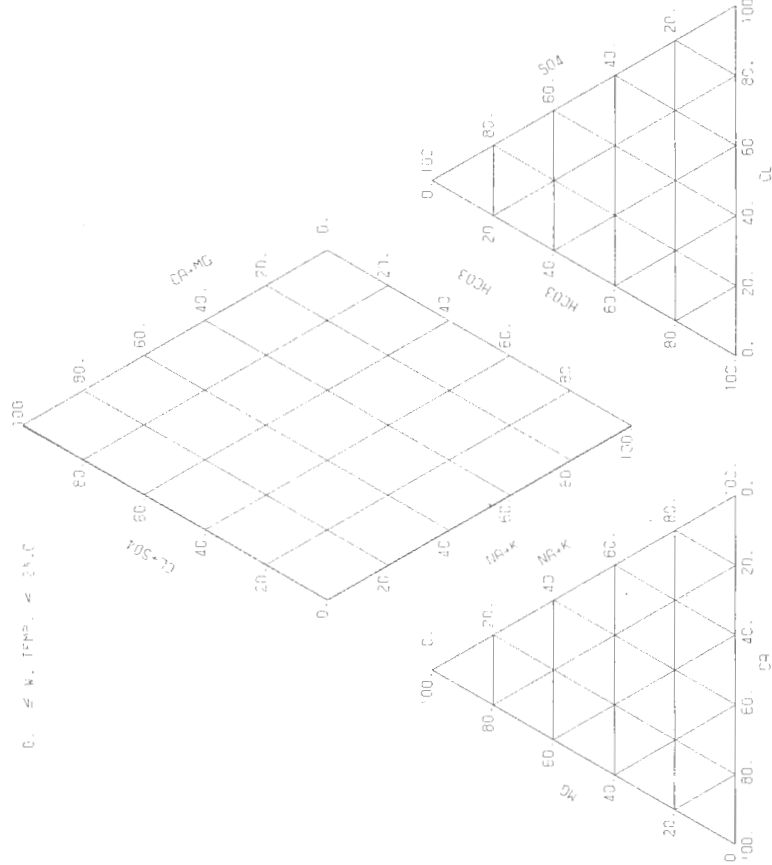


第12-3図 肘折地城水質組成図(その1) (水温25℃未満)

H1J1-0R1

AREA CODE HJC

23.0 ≦ W. TEMP. < 25.0

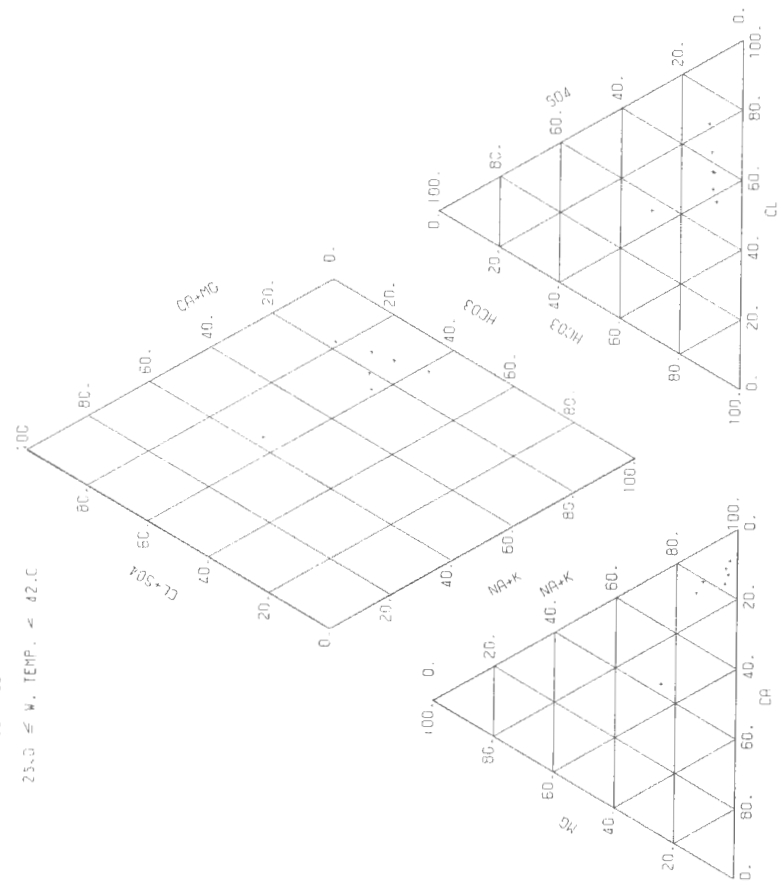


第12-3図 肘折地城水質組成図(その2) (水温25℃以上42℃未満)

H1J1-0R1

AREA CODE HJC

25.0 ≦ W. TEMP. < 42.0

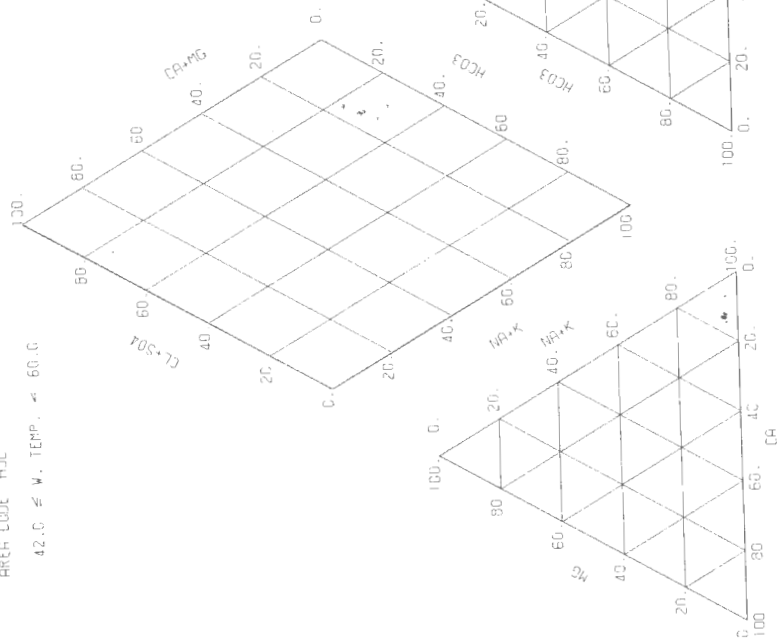


第12-3図 耐折地域水質組成図(その3) (水温42℃以上60℃未満)

HJJJ-0R1

AREA CODE HJC

42.0 ≤ W. TEMP. < 60.0

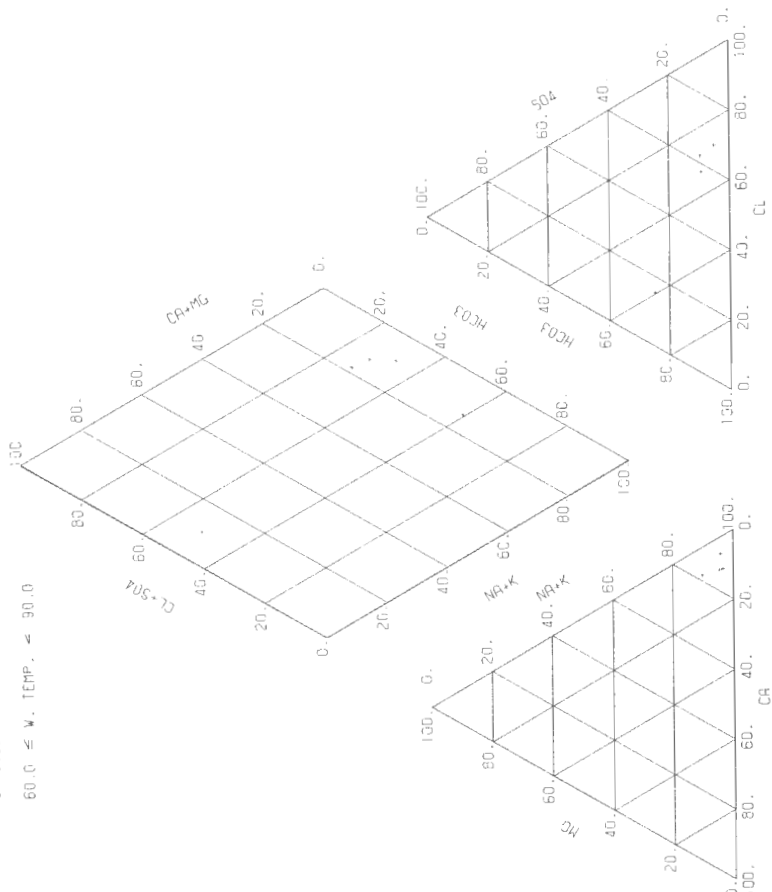


第12-3図 耐折地域水質組成図(その4) (水温60℃以上90℃未満)

HJJJ-0R1

AREA CODE HJC

60.0 ≤ W. TEMP. < 90.0

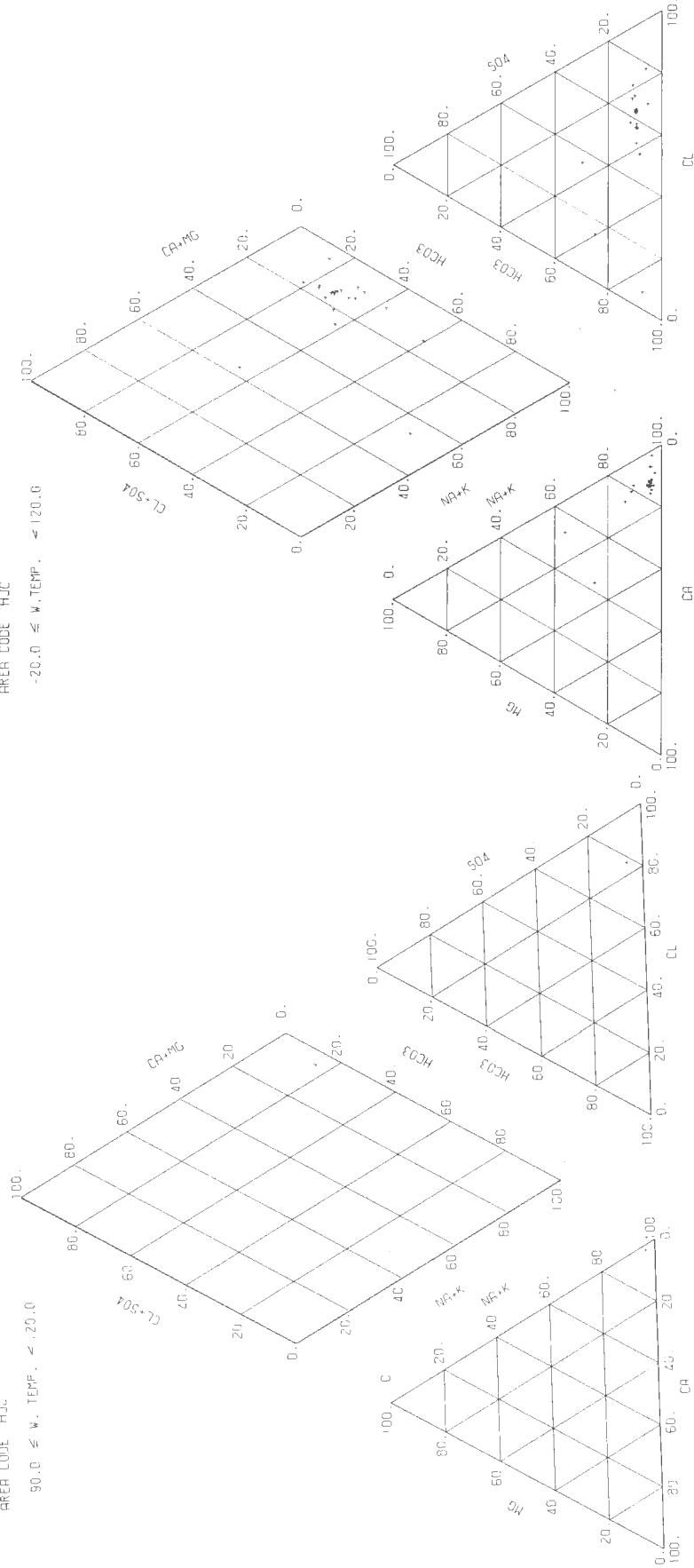


第12-3図 肘折地域水質組成図（その5）（水温90℃以上120℃未満）

H1J1-0R1

AREA CODE HJC

90.0 ≦ W. TEMP. < 120.0

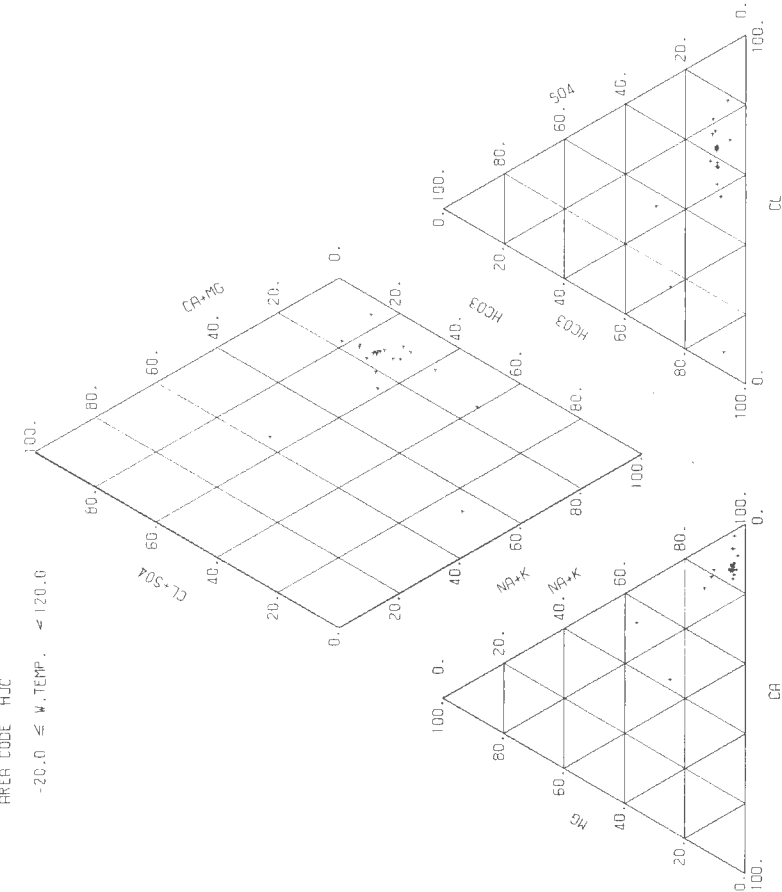


第12-3図 肘折地域水質組成図（その6）（全試料）

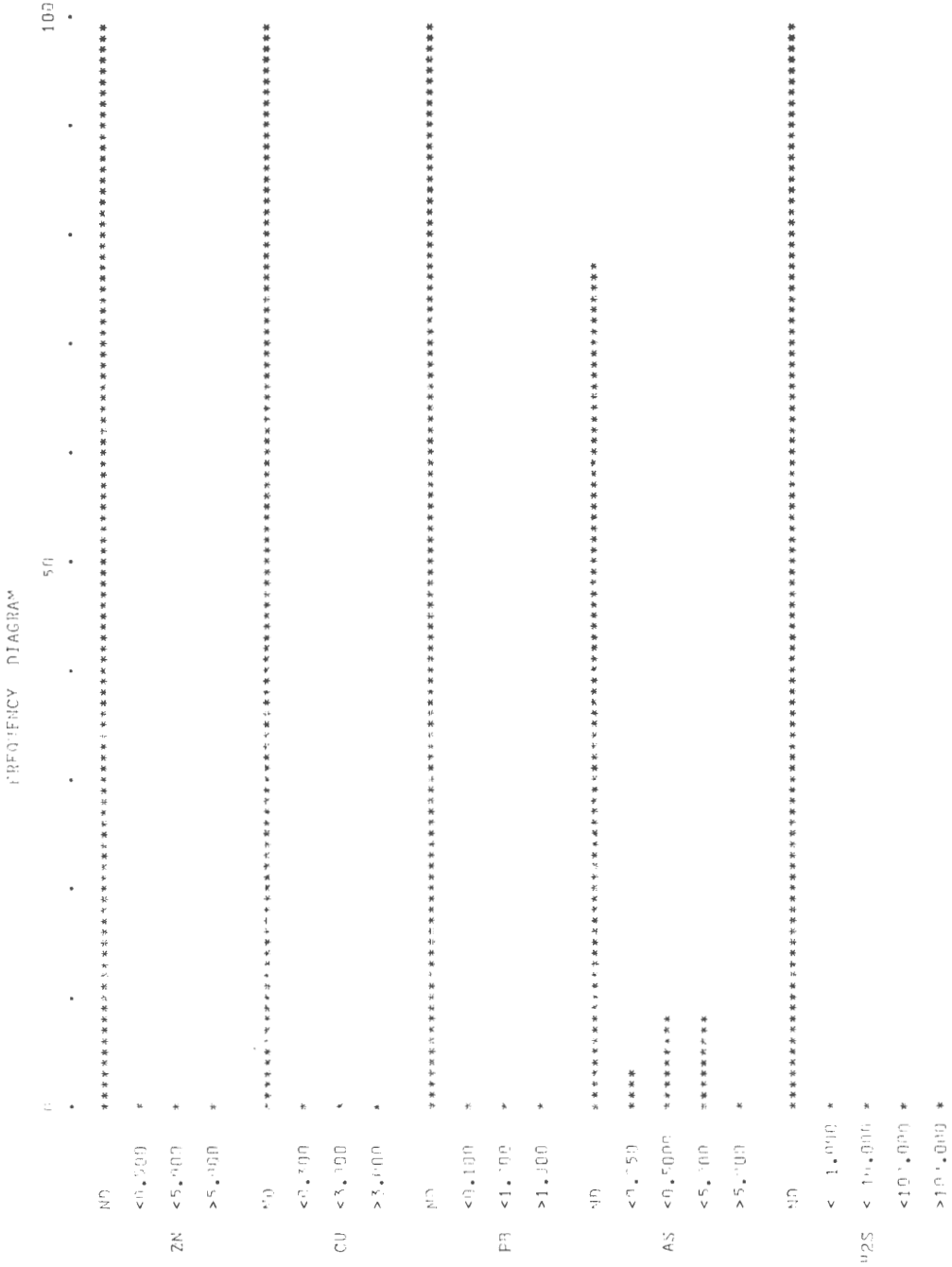
H1J1-0R1

AREA CODE HJC

-20.0 ≦ W. TEMP. < 120.0



第12-4図 肘折地域特定成分含量の頻度分布図



13. 蔵王

Zao

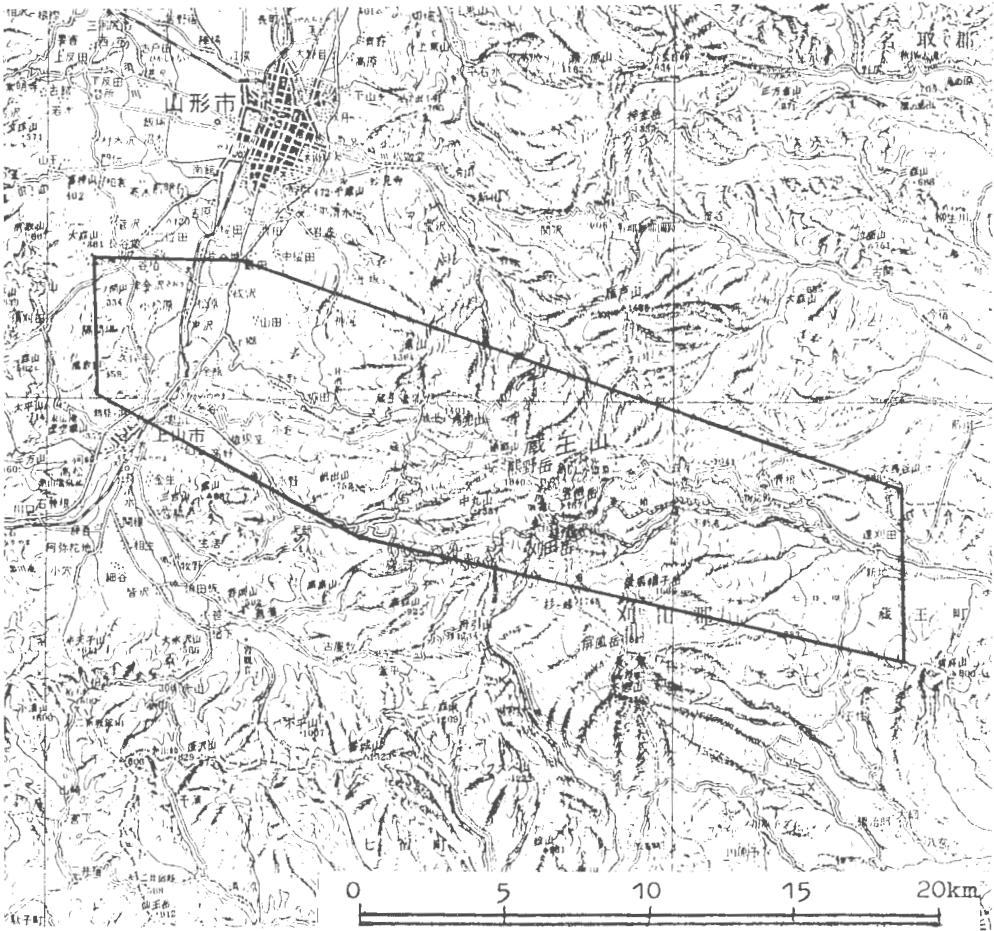
位置 宮城県刈田郡蔵王町、柴田郡川崎町、山形県山形市、
同上山市

データ数 115

収集・整理 阿部智彦・比留川 貴

協力 宮城県衛生研究所、山形県衛生研究所

調査位置図(20万分の1地勢図 仙台)



第13-1表 蔵王地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備考 |
|--------|------------------------------|-------|--------------|-----|-------------|-----------|-------------------|----------------------|
| ZOC-1 | 宮城県柴田郡川崎町上原山137噴気孔 | かもしか | 4号泉 | | 1957. 8. 30 | 38 | 117 | D=0m, Q=36.0l/m, F |
| " - 2 | " " 前川国有林仙台事業区 236林班のロ | (振子沢) | | | 1966. 4. 6 | " | 239 | D=0m, Q=91.4l/m, F |
| " - 3 | " " " " | (") | 3号泉 | | " | " | 238 | D=0m, Q=118l/m, F |
| " - 4 | " " " " | (") | 2号泉 | | " | " | 237 | D=0m, Q=375l/m, F |
| " - 5 | " " " " | (") | 1号泉 | | " | " | 236 | D=0m, Q=300l/m, F |
| " - 6 | " " " " 字青根6の1 | 青根 | 混合湯 | | 1973. 4. 5 | " | 332 | |
| " - 7 | " " " " 字沼の平山1の14 | " | 1号泉 | | 1955. 3. 24 | " | 88 | D=123m, Q=5.1l/m, F |
| " - 8 | " " " " 字青根44 | " | 新湯 | | " | " | 87 | D=37m, Q=110l/m, F |
| " - 9 | " " " " 字沼の平山1の14 | " | 大湯 | | " | " | 86 | D=2.5m, Q=84.2l/m, F |
| " - 10 | " " " " 字青根6 | " | 蔵王の湯 | | " | " | 85 | D=2.7m, Q=801l/m, F |
| " - 11 | " " " " " 61 | " | 山の湯 | | 1960. 6. 10 | " | 149 | D=60m, Q=21.6l/m, F |
| " - 12 | " " " " 字沼の平山1の3 | " | 山の湯1号 | | 1964. 1. 29 | " | 197 | Q=42.9l/m, F |
| " - 13 | " " " " " 1の1 | " | 大滝の湯 | | 1965. 7. 14 | " | 222 | Q=70l/m, F |
| " - 14 | " " " " " 1の14 | " | 山の湯4号 | | " | " | 221 | Q=50.3l/m, F |
| " - 15 | " " " " " 1の14 | " | 山の湯3号 | | " | " | 220 | Q=24l/m, F |
| " - 16 | " " " " 字青根 | " | すずらん | | 1971. 9. 28 | " | 288 | Q=720l/m, F, X |
| " - 17 | " " " " 刈田郡蔵王町遠刈田温泉字七日原1の443 | 遠刈田 | 早川 | | 1973. 4. 5 | " | 331 | Q=26l/m, F |
| " - 18 | " " " " " 字鬼石原1の61 | " | 蔵王ハイッ | | " | " | 330 | Q=8.6l/m, F |
| " - 19 | " " " " " 字上の原137の2ほか | " | 1・2号 | | " | " | 329 | P |
| " - 20 | " " " " " 字遠刈田北山37の1 | " | 蔵王郷1号 | | " | " | 327 | Q=150l/m, P |
| " - 21 | " " " " " 字西集団94 | " | 蔵王郷ホテル 1号 | | " | " | 326 | Q=130l/m, P |
| " - 22 | " " " " " 字小妻坂51の36 | " | 万有3号 | | " | " | 352 | Q=250l/m, F |
| " - 23 | " " " " " 字上の原137の2 | " | | | " | " | 353 | P |
| " - 24 | " " " " " 133の1 | " | 蔵王ハイッ2号 | | " | " | 354 | P |
| " - 25 | " " " " " 字新地東裏山34の8 | " | おせっぱ2号 | | " | " | 355 | P |
| " - 26 | " " " " " 字新地裏山34 | 遠刈田 | おせっぱ混合泉 | | " | " | 356 | D=450m, Q=20.8l/m, P |
| " - 27 | " " " " " 字清水原1の4 | " | | | " | " | 362 | Q=100l/m, F |
| " - 28 | " " " " " 字西集団99 | " | | | " | " | 363 | Q=136l/m, P |
| " - 29 | " " " " " 字小妻坂77の1 | " | | | " | " | 377 | Q=15.8l/m, F |
| " - 30 | " " " " " 字北山35の1 | " | | | 1954. 12. 2 | " | 379 | Q=19.3l/m, F |
| " - 31 | " " " " " 字遠刈田20 | " | | | " | " | 37 | Q=5.2l/m, F |
| " - 32 | " " " " " " 18 | " | 稀有の霊湯 | | " | " | 36 | Q=5.2l/m, F |
| " - 33 | " " " " " " 23 | " | 貴寿の湯 | | " | " | 35 | Q=55.1l/m, F |
| " - 34 | " " " " " " 16 | " | | | " | " | 34 | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|---------------------|-----|--------|------------|-------|-------|----------------------|----|
| ZOC-35 | 宮城県刈田郡蔵王町遠刈田温泉 | 遠刈田 | 不老長生滝湯 | 1954.12.1 | 38 | 33 | Q=40.5//m, F | |
| -36 | " | " | " | " 14 | " | 32 | Q=35.1//m, F | |
| -37 | " | " | " | " 25 | " | 31 | Q=16.2//m, F | |
| -38 | " | " | " | " 8 | " | 30 | Q=29.5//m, F | |
| -39 | " | " | " | " 11 | " | 27 | Q=36.7//m, F | |
| -40 | " | " | " | " 11 | " | 26 | Q=35.6//m, F | |
| -41 | " | " | " | " 46 | " | 25 | Q=9.0//m, F | |
| -42 | " | " | " | " 40 | " | 24 | Q=30.8//m, F | |
| -43 | " | " | " | " 24 | " | 23 | Q=13.7//m, F | |
| -44 | " | " | " | " 16 | " | 114 | Q=32.7//m, F | |
| -45 | " | " | " | " 25 | " | 125 | Q=32.4//m, F | |
| -46 | " | " | " | " 40 | " | 127 | Q=28.1//m, F | |
| -47 | " | " | " | " | " | 183 | D=264m, Q=45//m, F | |
| -48 | " | " | " | 宇上の原137の2 | " | 230 | D=300m, Q=210//m, P | |
| -49 | " | " | " | 宇新地東裏山34の8 | " | 270 | D=500m, Q=12.8//m, P | |
| -50 | " | " | " | 宇上の原3の2 | " | 279 | D=500m, Q=55//m, P | |
| -51 | " | " | " | 宇上の原3の1 | " | 297 | D=435m, Q=74//m, F | |
| -52 | " | " | " | " 3の60 | " | 300 | Q=36//m, P | |
| -53 | " | " | " | 宇七口原1の304 | " | 299 | Q=338//m, F | |
| -54 | " | " | " | 宇上の原169 | " | 305 | D=400m, Q=75//m, F | |
| -55 | " | " | " | 宇七口原575 | " | 304 | D=350m, Q=360//m, P | |
| -56 | " | " | " | 宇新地東裏山39の5 | " | 303 | Q=260//m, F | |
| -57 | " | " | " | 宇小妻坂51の36 | " | 160 | D=300m, Q=252//m, P | |
| -58 | " | " | " | 町道地区 | " | 161 | D=300m, Q=88.4//m, P | |
| -59 | " | " | " | 宇仲町34の1 | " | 181 | Q=171//m, P | |
| -60 | " | " | " | 宇袋の沢 | " | 209 | Q=3.6//m, P | |
| -61 | " | " | " | 宇遠刈田北山37の1 | " | 241 | D=300m, Q=225//m, F | |
| -62 | " | " | " | 宇遠刈田37 | " | 242 | D=350m, Q=225//m, F | |
| -63 | " | " | " | 宇東裏30 | " | 182 | D=300m, Q=300//m, P | |
| -64 | " | " | " | 町道地区 | " | 11136 | P | |
| -65 | 山形県上山市永野宇蔵王山国有林40林班 | 観音原 | ニュー蔵王 | 1972.10.28 | 76 | | P | |
| -66 | " | " | " | " 4.5 | " | 1 | P | |
| -67 | " | " | " | 金瓶宇水上187の2 | " | 21451 | P | |
| -68 | " | " | " | 山形市蔵王温泉 | " | 62 | F | |
| -69 | " | " | " | 上の川 | " | 59 | F | |
| -70 | " | " | " | 湯左の沢1号 | " | 60 | F | |
| -71 | " | " | " | 塚屋・寿屋共有 | " | 47 | F | |
| -72 | " | " | " | 栢屋 | " | 35 | F | |

| No. | 産 | 地 | 温泉名 | 温泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備 | 考 |
|---------|-------------------------|---|-----|-------|-------------|-------|-----------|----------------------|---|---|
| ZOC-109 | 宮城県刈田郡蔵王町遠刈田温泉字七日原1の349 | 遠 | 刈田 | 白交1号 | 1968. 9. 5 | 38 | 254 | D=500m, Q=86l/m, P | | |
| " | " | " | " | 友の湯2号 | 1970. 3. 11 | " | 269 | D=440m, Q=38l/m, P | | |
| " | " | " | " | 友の湯1号 | " | " | 268 | D=350m, Q=37.8l/m, P | | |
| " | " | " | " | 幸の湯 | " | " | 267 | D=398m, Q=16l/m, P | | |
| " | " | " | " | 酪電1号 | " | " | 266 | D=440m, Q=49.5l/m, P | | |
| " | " | " | " | 酪電3号 | 1971. 9. 20 | " | 296 | Q=35l/m, P | | |
| " | " | " | " | 林の湯 | 1968. 9. 5 | " | 257 | D=300m, Q=16.8l/m, F | | |

温泉名の()は角(1975)にないもの、

備考のDは深度(m), Qは湧(揚)水量(l/m), Fは白噴, Pはポンプ揚水, D=0m……Fは自然湧出, Xは源泉位置不明を示す。

第 13-2 表 藏王地咸水質一覽表

| | ZOC 1 | ZOC 2 | ZOC 3 | ZOC 4 |
|----------------------------------|---------|----------|-----------|-----------|
| NO | 91.0 | 44.0 | 68.0 | 70.6 |
| TEMP | 435.000 | 701.000 | 11605.000 | 11279.000 |
| TSM | 2.71 | 1.67 | 1.34 | 1.36 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(WVAL/KG) | 0.400 | 20.160 | 50.400 | 40.320 |
| K | 5.000 | 60.000 | 121.000 | 117.500 |
| NA | 21.000 | 268.000 | 390.000 | 380.000 |
| NH4 | 30.000 | 0.280 | 0.240 | 0.300 |
| CA | 10.300 | 494.000 | 452.000 | 428.000 |
| MG | 0.500 | 78.700 | 78.700 | 63.500 |
| FE | - | 103.828 | 213.505 | 197.713 |
| MN | - | 15.500 | 8.500 | 21.500 |
| ZN | - | 0.300 | - | - |
| CU | - | 0.009 | - | - |
| PR | - | - | - | - |
| AL | - | 425.000 | 405.000 | 470.000 |
| CL | 5.700 | 1509.000 | 2359.000 | 2296.000 |
| BR | - | 2.000 | 3.800 | 4.400 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.283 | 4362.540 | 6354.697 | 6261.902 |
| S04 | - | - | - | - |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 120.011 | 265.024 | 310.023 | 305.027 |
| HR02 | 2.100 | 11.340 | 9.222 | 15.590 |
| H3P04 | 0.202 | 2.321 | 7.222 | 7.223 |
| HAS02 | - | 0.202 | 0.546 | 0.115 |
| C02 | 31.000 | 0.704 | - | - |
| H2S | 16.200 | 0.475 | - | - |
| RN (*E-10 CURTE/L) | 4.790 | 1.359 | 1.040 | 1.214 |
| NA/K | 7.142 | 7.596 | 5.481 | 5.500 |
| CA/(HC03+C03) | - | - | - | - |
| MG/CA | 0.531 | 0.263 | 0.287 | 0.245 |
| NA/CA | 0.572 | 0.473 | 0.752 | 0.774 |
| CL/(HC03+C03) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 39.876 | 29.762 | 40.857 | 42.360 |
| CA*100/(NA+K+CA+MG) | 45.809 | 55.611 | 45.938 | 46.310 |
| MG*100/(NA+K+CA+MG) | 34.316 | 14.627 | 13.205 | 11.330 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 29.876 | 29.762 | 40.857 | 42.360 |
| (CA+MG)*100/(NA+K+CA+MG) | 70.124 | 70.238 | 57.143 | 57.640 |

第13-2表 蔵王地域水質一覧表 (つづき)

| | ZOC 5 | ZOC 6 | ZOC 7 | ZOC 8 |
|----------------------------------|-----------|---------|---------|---------|
| NO | 50.440 | 11.000 | 22.000 | 22.700 |
| TEMP | 117.500 | 3.006 | 0.281 | 0.563 |
| TSM | 364.000 | 146.500 | 6.373 | 299.000 |
| PH(FD) | 10822.000 | 0.404 | 13.137 | 13.007 |
| PH(LB) | 1.26 | 21.350 | 30.000 | 28.000 |
| H (MG/KG)(MVAL/KG) | 50.001 | 0.065 | 1.497 | 1.397 |
| K | 3.006 | 0.271 | 6.100 | 0.897 |
| NA | 15.834 | 0.005 | 12.400 | 0.021 |
| NH4 | 0.800 | 0.002 | - | - |
| CA | 412.000 | - | - | - |
| MG | 132.900 | - | - | - |
| FF | 10.936 | - | - | - |
| FE | 107.713 | - | - | - |
| MN | 22.000 | - | - | - |
| ZN | 0.801 | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 430.000 | - | - | - |
| CL | 230.000 | 65.470 | 104.105 | 109.300 |
| BR | 4.200 | - | - | - |
| I | - | 2.517 | - | - |
| F | - | 0.132 | - | - |
| OH | - | 3.933 | 6.442 | 6.510 |
| S04 | 733.302 | 188.900 | 309.400 | 312.700 |
| S203 | - | 115.600 | 412.700 | 384.900 |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 200.026 | 1.164 | 32.003 | 39.157 |
| HB02 | 17.010 | 6.477 | 5.600 | 11.200 |
| H3P04 | 7.222 | 0.328 | - | 0.204 |
| HAS02 | 0.026 | 0.216 | 0.002 | 0.002 |
| C02 | - | 11.120 | 65.600 | 50.600 |
| H2S | - | - | - | - |
| RN (*F-10 CURTE/L) | 1.145 | 3.874 | 2.215 | 2.953 |
| NA/K | 5.263 | 22.648 | 23.344 | 22.399 |
| CA/(HC03+C03) | - | 0.582 | 0.221 | 0.221 |
| MG/CA | 0.532 | 0.255 | 0.335 | 0.642 |
| NA/CA | 0.770 | 5.982 | 8.776 | 9.309 |
| CL/(HC03+C03) | - | 0.975 | 0.434 | 0.489 |
| CL/F | - | 13.939 | - | - |
| CL*100/(CL+S04+HC03+C03) | - | 24.066 | 18.192 | 19.389 |
| S04*100/(CL+S04+HC03+C03) | - | 51.246 | 39.905 | 40.940 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 24.688 | 41.903 | 39.670 |
| (NA+K)*100/(NA+K+CA+MG) | 37.429 | 83.273 | 87.267 | 85.554 |
| CA*100/(NA+K+CA+MG) | 40.844 | 13.333 | 9.536 | 8.798 |
| MG*100/(NA+K+CA+MG) | 21.727 | 3.394 | 3.198 | 5.648 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 75.312 | 58.097 | 60.330 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 24.688 | 41.903 | 39.670 |
| (NA+K)*100/(NA+K+CA+MG) | 37.429 | 83.273 | 87.267 | 85.554 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.571 | 16.727 | 12.733 | 14.446 |

第13-2表 蔵王地域水質一覧表(つづき)

| | ZOC 9 | ZOC 10 | ZOC 11 | ZOC 12 |
|----------------------------------|---------|---------|---------|---------|
| NO | 49.5 | 43.5 | 44.5 | 41.8 |
| TEMP | 631.000 | 512.000 | 630.000 | 581.000 |
| PH(CFD) | 7.20 | 7.40 | 6.90 | 7.10 |
| PH(CLR) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 16.700 | 11.000 | 0.281 | 10.700 |
| NA | 259.100 | 181.000 | 7.874 | 140.000 |
| NH4 | - | - | - | - |
| CA | 18.000 | 28.000 | 1.397 | 22.880 |
| MG | 6.100 | 2.400 | 0.157 | 1.460 |
| FE | - | - | 0.070 | 0.096 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | - |
| AL | - | - | - | - |
| CL | 77.400 | 60.500 | 1.707 | 71.920 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 244.000 | 170.700 | 3.554 | 4.532 |
| S203 | - | - | - | - |
| HCO3 | 353.200 | 273.600 | 4.484 | 259.000 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 40.000 | 40.000 | 0.666 | 47.001 |
| H3P04 | 8.400 | 8.400 | 0.192 | 10.629 |
| HAS02 | 0.613 | 0.408 | 0.074 | 0.314 |
| C02 | 16.000 | 15.700 | 0.357 | 0.324 |
| H2S | - | - | - | 49.820 |
| RN (*E-10 CURIE/L) | 8.465 | 1.476 | 14.980 | 5.327 |
| NA/K | 26.384 | 27.982 | 20.276 | 22.250 |
| CA/(HCO3+CO3) | 0.154 | 0.312 | 0.560 | 0.269 |
| MG/CA | 0.559 | 0.141 | 0.215 | 0.105 |
| NA/CA | 12.548 | 5.635 | 6.256 | 5.334 |
| CL/(HCO3+CO3) | 0.375 | 0.381 | 1.001 | 0.478 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 16.686 | 17.514 | 22.454 | 31.859 |
| S04*100/(CL+S04+HCO3+CO3) | 38.823 | 36.470 | 55.109 | 1.482 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 44.491 | 46.017 | 22.437 | 66.659 |
| (NA+K)*100/(NA+K+CA+MG) | 59.310 | 83.643 | 84.376 | 83.452 |
| CA*100/(NA+K+CA+MG) | 6.857 | 14.331 | 12.854 | 14.972 |
| MG*100/(NA+K+CA+MG) | 3.832 | 2.026 | 2.769 | 1.576 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 55.509 | 53.983 | 77.563 | 33.341 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 44.491 | 46.017 | 22.437 | 66.659 |
| (NA+K)*100/(NA+K+CA+MG) | 59.310 | 83.643 | 84.376 | 83.452 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.690 | 16.357 | 15.624 | 16.548 |

第13-2表 蔵王地域水質一覧表(つづき)

| NO | ZOC 13 | | ZOC 14 | | ZOC 15 | | ZOC 16 | |
|----------------------------------|---------|---------|---------|--------|--------|--------|--------|---------|
| | TEMP | 24.3 | 22.6 | 22.4 | 28.4 | 42.5 | 42.5 | 401.000 |
| TSM | 277.000 | 364.000 | 6.80 | 6.75 | 7.56 | 7.56 | 7.56 | 7.56 |
| PH(FD) | 6.71 | 6.80 | 6.80 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 |
| PH(LB) | 6.71 | 6.80 | 6.80 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 5.300 | 0.136 | 6.300 | 0.151 | 2.400 | 0.061 | 9.500 | 0.243 |
| NA | 55.000 | 2.393 | 82.500 | 3.589 | 15.000 | 0.653 | 90.100 | 3.919 |
| NH4 | | | | | | | | |
| CA | 9.600 | 0.479 | 14.400 | 0.719 | 11.200 | 0.559 | 10.400 | 0.519 |
| MG | 2.577 | 0.194 | 1.882 | 0.155 | 3.528 | 0.290 | 3.060 | 0.252 |
| FE | 0.100 | 0.004 | 0.060 | 0.002 | | | 0.060 | 0.002 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | | |
| CL | 26.240 | 0.740 | 34.040 | 0.960 | 7.090 | 0.200 | 37.580 | 1.060 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | 1.280 | 0.067 |
| OH | | | | | | | 88.480 | 1.842 |
| S04 | 55.210 | 1.149 | 83.640 | 1.741 | 8.650 | 0.180 | 97.810 | 1.603 |
| S2O3 | | | | | | | 0.114 | 0.004 |
| HC03 | 17.880 | 1.440 | 111.400 | 1.826 | 76.760 | 1.258 | 50.489 | 0.841 |
| CO3 | | | | | | | 27.396 | 0.625 |
| ST02 (MG/G) (MMOL/KG) | 14.987 | 0.316 | 22.001 | 0.366 | 20.003 | 0.333 | 0.274 | 0.003 |
| HS02 | 4.371 | 0.087 | 7.088 | 0.162 | 2.836 | 0.065 | 0.227 | 0.002 |
| H3PO4 | | | | | | | 5.880 | 0.134 |
| HASO2 | | | | | | | | |
| CO2 | 42.240 | 0.980 | 42.550 | 0.974 | 29.530 | 0.671 | | |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | 5.752 | 6.294 | 6.294 | 6.294 | 3.302 | 3.302 | 2.235 | 2.235 |
| NA/K | 17.647 | 22.269 | 22.269 | 22.269 | 10.628 | 10.628 | 16.128 | 16.128 |
| CA/(HC03+CO3) | 9.333 | 0.394 | 0.394 | 0.444 | 0.444 | 0.444 | 0.323 | 0.323 |
| MG/CA | 8.404 | 0.216 | 0.216 | 0.216 | 0.519 | 0.519 | 0.485 | 0.485 |
| NA/CA | 4.984 | 4.984 | 4.984 | 4.984 | 1.168 | 1.168 | 7.552 | 7.552 |
| CL/(HC03+CO3) | 4.514 | 0.526 | 0.526 | 0.526 | 0.159 | 0.159 | 0.660 | 0.660 |
| CL/F | | | | | | | 15.734 | 15.734 |
| CL*100/(CL+S04+CO3+CO3) | 22.231 | 21.210 | 21.210 | 21.210 | 12.209 | 12.209 | 23.510 | 23.510 |
| S04*100/(CL+S04+HC03+CO3) | 34.522 | 38.462 | 38.462 | 38.462 | 19.996 | 19.996 | 40.853 | 40.853 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 43.248 | 40.328 | 40.328 | 40.328 | 76.796 | 76.796 | 35.636 | 35.636 |
| (NA+K)*100/(NA+K+CA+MG) | 78.986 | 81.108 | 81.108 | 81.108 | 45.672 | 45.672 | 84.376 | 84.376 |
| CA*100/(NA+K+CA+MG) | 14.987 | 15.542 | 15.542 | 15.542 | 35.755 | 35.755 | 10.520 | 10.520 |
| MG*100/(NA+K+CA+MG) | 6.047 | 3.350 | 3.350 | 3.350 | 18.573 | 18.573 | 5.104 | 5.104 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 56.752 | 59.672 | 59.672 | 59.672 | 23.204 | 23.204 | 64.364 | 64.364 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 43.248 | 40.328 | 40.328 | 40.328 | 76.796 | 76.796 | 35.636 | 35.636 |
| (NA+K)*100/(NA+K+CA+MG) | 78.986 | 81.108 | 81.108 | 81.108 | 45.672 | 45.672 | 84.376 | 84.376 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.014 | 18.892 | 18.892 | 18.892 | 54.328 | 54.328 | 15.624 | 15.624 |

第13-2表 蔵王地域水質一覽表 (つづき)

| NO | 70C 21 | | ZOC 22 | | ZOC 23 | | ZOC 24 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|
| | TEMP | PH(FD) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 34.540 | 0.584 | 12.980 | 0.332 | 30.891 | 0.790 | 28.930 | 0.740 |
| NA | 499.200 | 21.715 | 256.600 | 11.162 | 782.000 | 34.017 | 604.300 | 26.287 |
| NH4 | | 0.499 | | 0.028 | | 0.009 | | |
| CA | 200.700 | 10.015 | 52.970 | 2.643 | 67.240 | 3.355 | 51.320 | 2.561 |
| MG | 18.430 | 1.517 | 13.590 | 1.118 | 23.370 | 1.923 | 17.090 | 1.406 |
| FE | 11.800 | 0.429 | 0.300 | 0.011 | 0.289 | 0.010 | 5.486 | 0.196 |
| MN | 0.020 | 0.001 | 0.170 | 0.006 | 0.120 | 0.004 | 0.020 | 0.001 |
| ZN | 0.040 | 0.001 | | | 0.369 | 0.011 | 0.459 | 0.014 |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | 0.499 | 0.055 |
| CL | 332.900 | 9.391 | 114.500 | 3.230 | 371.400 | 10.477 | 335.500 | 9.464 |
| BR | | | | | 0.209 | 0.003 | | |
| I | | | | | | | | |
| F | 3.155 | 0.166 | 0.140 | 0.007 | 1.136 | 0.060 | 1.895 | 0.100 |
| OH | | | | | | | | |
| S04 | 871.400 | 18.143 | 416.800 | 8.678 | 868.200 | 18.076 | 515.000 | 10.722 |
| S203 | | | | | | | | |
| HC03 | 410.200 | 6.233 | 192.600 | 3.157 | 671.800 | 11.011 | 645.600 | 10.581 |
| CO3 | 0.966 | 0.032 | 0.354 | 0.012 | 1.206 | 0.040 | 3.811 | 0.127 |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| HR02 | 52.917 | 0.331 | 132.801 | 2.311 | 72.465 | 1.207 | 83.179 | 1.385 |
| H3P04 | 40.467 | 0.233 | 14.059 | 0.321 | 32.306 | 0.737 | 44.490 | 1.015 |
| HAS02 | 0.441 | 0.004 | 0.352 | 0.004 | 1.020 | 0.010 | 1.018 | 0.010 |
| CO2 | 1.154 | 0.011 | 0.173 | 0.002 | 1.402 | 0.013 | 0.831 | 0.008 |
| H2S | 24.650 | 0.560 | 14.820 | 0.337 | 51.670 | 1.174 | 15.520 | 0.353 |
| RN (*E-10 CURIE/L) | 0.816 | | 0.554 | | 1.705 | | 0.714 | |
| NA/K | 34.578 | | 33.618 | | 43.050 | | 35.522 | |
| CA/(HC03+CO3) | 1.493 | | 0.834 | | 0.304 | | 0.239 | |
| MG/CA | 0.151 | | 0.423 | | 0.573 | | 0.549 | |
| NA/CA | 2.168 | | 4.223 | | 10.138 | | 10.265 | |
| CL/(HC03+CO3) | 1.390 | | 1.019 | | 0.948 | | 0.884 | |
| CL/F | 56.546 | | 438.293 | | 175.207 | | 94.879 | |
| CL*100/(CL+S04+HC03+CO3) | 27.368 | | 21.425 | | 26.455 | | 30.634 | |
| S04*100/(CL+S04+HC03+CO3) | 52.511 | | 57.559 | | 45.642 | | 34.705 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 19.701 | | 21.016 | | 27.904 | | 34.660 | |
| (NA+K)*100/(NA+K+CA+MG) | 66.213 | | 75.343 | | 86.832 | | 87.200 | |
| CA*100/(NA+K+CA+MG) | 29.343 | | 17.326 | | 5.370 | | 8.262 | |
| MG*100/(NA+K+CA+MG) | 4.444 | | 7.331 | | 4.798 | | 4.537 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 80.299 | | 73.984 | | 72.096 | | 65.340 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 19.701 | | 21.016 | | 27.904 | | 34.660 | |
| (NA+K)*100/(NA+K+CA+MG) | 66.213 | | 75.343 | | 86.832 | | 87.200 | |
| (CA+MG)*100/(NA+K+CA+MG) | 33.787 | | 24.657 | | 13.168 | | 12.800 | |

第13-2表 蔵王地域水質一覧表 (つづき)

| NO | ZOC 25 | | | ZOC 26 | | | ZOC 27 | | | ZOC 28 | | |
|----------------------------------|----------|----------|---------|---------|----------|---------|---------|---------|---------|---------|----------|---------|
| | TEMP | TSM | PH(F/D) | TEMP | TSM | PH(L/B) | TEMP | TSM | PH(L/B) | TEMP | TSM | PH(L/B) |
| | 64.6 | 2929.000 | 7.63 | 50.6 | 1821.000 | 7.69 | 35.0 | 279.000 | 9.45 | 59.7 | 1842.000 | 8.29 |
| | | | | | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 45.260 | 772.700 | 1.173 | 28.950 | 455.100 | 0.741 | 1.700 | 0.043 | 39.920 | 527.800 | 1.021 | |
| NA | | | 33.612 | 0.120 | 0.007 | 19.797 | 72.490 | 3.153 | 0.180 | 0.010 | 22.959 | |
| NR4 | | | | | | | 0.240 | 0.012 | 53.340 | 6.427 | 2.662 | |
| CA | 145.700 | 31.260 | 7.270 | 83.540 | 4.169 | 4.169 | 1.140 | 0.041 | 0.120 | 0.004 | 0.529 | |
| MG | 3.290 | | 2.572 | 2.096 | 2.096 | 0.075 | 0.020 | 0.001 | 0.020 | 0.001 | 0.001 | |
| FE | | | 0.118 | 0.100 | 0.100 | 0.004 | 0.530 | 0.016 | 2.096 | 0.064 | | |
| MN | | | | | | | | | | | | |
| ZN | 0.010 | | 0.000 | 0.030 | 0.001 | 0.001 | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | 0.199 | | 0.022 | 0.200 | 0.022 | 0.022 | 1.000 | 0.111 | | | | |
| CL | 380.100 | 0.160 | 10.723 | 216.200 | 6.099 | 6.099 | 8.423 | 0.238 | 328.500 | 0.180 | 9.267 | |
| BR | | | 0.002 | | | | 0.250 | 0.003 | | | 0.002 | |
| I | | | | | | | | | | | | |
| F | 2.233 | | 0.118 | 1.158 | 0.061 | 0.061 | 1.060 | 0.056 | 3.233 | 0.034 | 0.170 | |
| OH | | | | | | | 0.544 | 0.032 | 0.034 | 0.002 | 0.002 | |
| S04 | 1243.000 | | 25.870 | 717.000 | 14.928 | 14.928 | 18.000 | 0.375 | 481.200 | | 10.019 | |
| HCO3 | 472.100 | | 7.738 | 342.300 | 5.610 | 5.610 | 80.120 | 1.313 | 468.600 | | 7.680 | |
| CO3 | 1.116 | | 0.037 | 1.008 | 0.034 | 0.034 | 14.770 | 0.492 | 0.522 | | 0.017 | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HB02 | 70.411 | | 1.172 | 93.940 | 1.564 | 1.564 | 57.728 | 0.961 | 74.720 | | 1.244 | |
| H3PO4 | 40.407 | | 0.922 | 28.324 | 0.646 | 0.646 | 1.757 | 0.040 | 32.347 | | 0.738 | |
| HAS02 | 0.382 | | 0.004 | 0.745 | 0.008 | 0.008 | 0.245 | 0.003 | 0.392 | | 0.004 | |
| CO2 | 0.949 | | 0.009 | 0.389 | 0.004 | 0.004 | 0.011 | 0.000 | 0.745 | | 0.007 | |
| H2S | 28.370 | | 0.645 | 16.410 | 0.373 | 0.373 | 0.062 | 0.001 | 5.633 | | 0.128 | |
| RN (*F-10 CURIE/L) | | | 0.563 | | | | | | | | 0.563 | |
| NA/K | 28.653 | | 0.739 | 26.733 | 0.739 | 0.739 | 72.513 | 0.007 | 22.484 | | 0.346 | |
| CA/(HCO3+CO3) | 0.935 | | 0.503 | 0.503 | 0.503 | 0.503 | 263.303 | | 8.626 | | 0.199 | |
| MG/CA | 4.623 | | 1.081 | 1.081 | 1.081 | 1.081 | 0.132 | | 1.204 | | 8.626 | |
| NA/CA | 1.379 | | 100.054 | 100.054 | 100.054 | 100.054 | 4.261 | | 54.452 | | 1.204 | |
| CL/(HCO3+CO3) | 91.221 | | 24.163 | 22.868 | 22.868 | 22.868 | 9.833 | | 34.343 | | 0.563 | |
| CL/F | 58.317 | | 17.920 | 55.971 | 55.971 | 55.971 | 15.499 | | 37.129 | | 0.563 | |
| CL*100/(CL+S04+HCO3+CO3) | | | | | | | | | | | | |
| S04*100/(CL+S04+HCO3+CO3) | | | | | | | | | | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 77.945 | | 76.626 | 76.626 | 76.626 | 76.626 | | | 88.258 | | 71.472 | |
| CA*100/(NA+K+CA+MG) | 16.291 | | 15.554 | 15.554 | 15.554 | 15.554 | | | 9.796 | | 28.528 | |
| MG*100/(NA+K+CA+MG) | 5.764 | | 7.820 | 7.820 | 7.820 | 7.820 | | | 1.946 | | 88.258 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 82.480 | | 78.839 | 78.839 | 78.839 | 78.839 | 25.532 | | 71.472 | | 88.258 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 17.520 | | 21.161 | 21.161 | 21.161 | 21.161 | 74.668 | | 28.528 | | 9.796 | |
| (NA+K)*100/(NA+K+CA+MG) | 77.945 | | 76.626 | 76.626 | 76.626 | 76.626 | | | 88.258 | | 71.472 | |
| (CA+MG)*100/(NA+K+CA+MG) | 22.055 | | 23.374 | 23.374 | 23.374 | 23.374 | | | 11.742 | | 28.528 | |

地下水 観測地観測器具一覧表 (つづき)

| NO | ZOC 29 | | ZOC 30 | | ZOC 31 | | ZOC 32 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | TEMP | TSM | TEMP | TSM | TEMP | TSM | TEMP | TSM |
| TEMP | 46.9 | 62.1 | 62.1 | 62.5 | 53.0 | 53.0 | 53.0 | 53.0 |
| TSM | 2458.000 | 2250.000 | 2250.000 | 2010.000 | 1873.000 | 1873.000 | 1873.000 | 1873.000 |
| PH (FD) | 7.38 | 7.00 | 7.00 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| PH (LB) | - | - | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 36.870 | 0.943 | 30.910 | 0.791 | 27.300 | 0.698 | 22.300 | 0.570 |
| NA | 609.400 | 26.509 | 477.500 | 20.771 | 475.000 | 20.663 | 430.000 | 18.705 |
| NH4 | 1.355 | 0.075 | - | - | - | - | - | - |
| CA | 27.850 | 1.387 | 198.400 | 9.900 | 60.000 | 2.994 | 55.200 | 2.754 |
| MG | 39.710 | 3.260 | 3.453 | 0.778 | 45.200 | 3.720 | 32.600 | 2.883 |
| FE | 3.925 | 1.383 | 1.383 | 0.649 | 9.300 | 0.011 | 0.600 | 0.021 |
| MN | 0.209 | 0.008 | 0.040 | 0.001 | - | - | - | - |
| ZN | 0.010 | 0.000 | 0.020 | 0.001 | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PR | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - |
| CL | 326.600 | 9.213 | 268.500 | 7.574 | 253.800 | 7.160 | 237.200 | 6.691 |
| BR | 0.539 | 0.013 | 0.110 | 0.001 | - | - | - | - |
| T | - | - | - | - | - | - | - | - |
| F | 0.359 | 0.019 | 2.234 | 0.118 | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| SO4 | 868.800 | 18.038 | 820.200 | 17.077 | 810.600 | 16.877 | 746.900 | 15.550 |
| S2O3 | - | - | - | - | - | - | - | - |
| HC03 | 424.700 | 6.951 | 437.100 | 7.608 | 207.200 | 4.052 | 151.600 | 2.485 |
| C03 | 0.624 | 0.021 | 0.708 | 0.024 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| AB02 | 169.140 | 2.433 | 72.853 | 1.313 | 36.000 | 0.595 | 26.000 | 0.433 |
| H3P04 | 48.444 | 1.106 | 24.250 | 0.553 | 28.440 | 0.648 | 57.800 | 1.319 |
| HA502 | 1.009 | 0.010 | 0.274 | 0.003 | 0.102 | 0.001 | 0.408 | 0.004 |
| C02 | 6.591 | 3.006 | 0.924 | 0.038 | - | - | - | - |
| H2S | 40.850 | 1.928 | 25.670 | 0.583 | 112.900 | 2.565 | 86.000 | 1.954 |
| RN (*E-10 CURTE/L) | 1.156 | 0.248 | 0.248 | 0.248 | 7.830 | 7.830 | 9.662 | 9.662 |
| NA/K | 28.107 | 26.270 | 26.270 | 29.588 | 32.791 | 32.791 | 32.791 | 32.791 |
| CA/(HC03+C03) | 0.199 | 1.410 | 1.410 | 0.739 | 1.109 | 1.109 | 1.109 | 1.109 |
| MG/CA | 2.355 | 0.079 | 0.079 | 1.242 | 0.974 | 0.974 | 0.974 | 0.974 |
| NA/CA | 19.109 | 2.038 | 2.038 | 6.901 | 6.791 | 6.791 | 6.791 | 6.791 |
| CL/(HC03+C03) | 1.320 | 1.078 | 1.078 | 1.767 | 2.693 | 2.693 | 2.693 | 2.693 |
| CL/F | 487.539 | 64.409 | 64.409 | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 26.874 | 23.913 | 23.913 | 25.490 | 27.062 | 27.062 | 27.062 | 27.062 |
| S04*100/(CL+S04+HC03+C03) | 52.761 | 53.912 | 53.912 | 60.085 | 62.890 | 62.890 | 62.890 | 62.890 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.364 | 22.175 | 22.175 | 14.425 | 10.049 | 10.049 | 10.049 | 10.049 |
| (NA+K)*100/(NA+K+CA+MG) | 85.502 | 66.879 | 66.879 | 76.087 | 77.999 | 77.999 | 77.999 | 77.999 |
| CA*100/(NA+K+CA+MG) | 4.321 | 30.708 | 30.708 | 10.665 | 11.146 | 11.146 | 11.146 | 11.146 |
| MG*100/(NA+K+CA+MG) | 10.178 | 2.413 | 2.413 | 13.249 | 10.855 | 10.855 | 10.855 | 10.855 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 79.636 | 77.825 | 77.825 | 85.575 | 89.951 | 89.951 | 89.951 | 89.951 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 20.364 | 22.175 | 22.175 | 14.425 | 10.049 | 10.049 | 10.049 | 10.049 |
| (NA+K)*100/(NA+K+CA+MG) | 85.502 | 66.879 | 66.879 | 76.087 | 77.999 | 77.999 | 77.999 | 77.999 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.498 | 33.121 | 33.121 | 23.913 | 23.913 | 23.913 | 23.913 | 23.913 |

第18-2表 藤王地域水質一覽表 (つづき)

| | ZOC 33 | ZOC 34 | ZOC 35 | ZOC 36 |
|----------------------------------|----------|----------|----------|----------|
| NO | 52.0 | 45.0 | 58.8 | 56.4 |
| TEMP | 2260.000 | 1366.000 | 2185.000 | 1994.000 |
| TSM | 6.70 | 6.30 | 6.70 | 6.90 |
| PH(FD) | - | - | - | - |
| PH(CLR) | - | - | - | - |
| H (MG/KG) (MMAL/KG) | | | | |
| K | 30.000 | 0.767 | 29.700 | 0.760 |
| NA | 500.000 | 16.100 | 560.000 | 23.000 |
| NH4 | | 330.000 | | 415.000 |
| CA | 47.200 | 32.800 | 37.600 | 38.400 |
| MG | 50.000 | 4.115 | 58.800 | 4.839 |
| FF | 1.300 | 0.047 | 1.200 | 0.043 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 277.900 | 150.100 | 286.100 | 214.900 |
| RR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 720.000 | 14.990 | 846.000 | 17.614 |
| S2O3 | - | - | - | - |
| HC03 | 305.000 | 220.200 | 377.000 | 172.200 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 35.000 | 0.583 | 35.000 | 0.583 |
| H3PO4 | 34.000 | 0.776 | 28.400 | 0.648 |
| HAS02 | 0.408 | 0.004 | 0.204 | 0.002 |
| C02 | 159.300 | 3.619 | 165.600 | 3.762 |
| H2S | - | - | - | - |
| RN (*F=10 CHRT/L) | 7.100 | 9.670 | 8.900 | 13.040 |
| NA/K | 30.610 | 34.856 | 32.064 | 30.684 |
| CA/(HC03+C03) | 0.373 | 0.454 | 0.304 | 0.679 |
| MC/CA | 1.747 | 1.931 | 2.579 | 2.439 |
| NA/CA | 9.973 | 8.771 | 12.983 | 9.421 |
| CL/(HC03+C03) | 1.242 | 1.173 | 1.306 | 2.148 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 26.303 | 21.645 | 25.329 | 24.052 |
| S04*100/(CL+S04+HC03+C03) | 51.442 | 59.907 | 55.278 | 64.751 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.655 | 18.449 | 19.392 | 11.197 |
| (NA+K)*100/(NA+K+CA+MG) | 78.544 | 75.482 | 78.907 | 73.880 |
| CA*100/(CA+K+CA+MG) | 7.665 | 8.366 | 5.894 | 7.594 |
| MG*100/(NA+K+CA+MG) | 13.390 | 16.152 | 15.199 | 18.525 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 78.345 | 81.551 | 80.608 | 88.803 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.655 | 18.449 | 19.392 | 11.197 |
| (NA+K)*100/(NA+K+CA+MG) | 78.944 | 75.482 | 78.907 | 73.880 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.055 | 24.518 | 21.093 | 26.120 |

第13-2表 蔵王地域水質一覧表 (つづき)

| NO | ZOC 37 | | ZOC 38 | | ZOC 39 | | ZOC 40 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 55.0 | 52.0 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| TEMP | 2283.000 | 1868.000 | 1860.000 | 1860.000 | 1850.000 | 1850.000 | 1850.000 | 1850.000 |
| PH(FD) | 6.50 | 6.60 | 6.60 | 6.40 | 6.40 | 6.40 | 6.90 | 6.90 |
| PH(CLB) | - | - | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - | - | - | - | - |
| K | 30.700 | 0.785 | 0.394 | 0.394 | 0.532 | 0.532 | 0.532 | 0.532 |
| NA | 487.000 | 31.620 | 20.663 | 20.663 | 16.965 | 16.965 | 392.000 | 17.052 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 57.600 | 2.874 | 1.277 | 1.277 | 2.994 | 2.994 | 154.000 | 7.685 |
| MG | 51.500 | 4.238 | 4.403 | 4.403 | 4.279 | 4.279 | 40.300 | 3.316 |
| FE | 1.300 | 0.047 | 0.047 | 0.047 | - | - | - | - |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - |
| CL | 286.000 | 8.068 | 6.722 | 6.722 | 5.803 | 5.803 | 198.200 | 5.591 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| SD4 | 877.700 | 18.274 | 14.753 | 14.753 | 16.287 | 16.287 | 775.700 | 16.150 |
| S203 | 195.300 | 3.201 | 5.297 | 5.297 | 2.663 | 2.663 | 441.700 | 7.239 |
| HC03 | - | - | - | - | - | - | - | - |
| C03 | - | - | - | - | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 36.003 | 0.599 | 0.533 | 0.533 | 1.682 | 1.682 | 27.002 | 0.450 |
| HB02 | 90.800 | 2.072 | 0.712 | 0.712 | 0.648 | 0.648 | 28.400 | 0.648 |
| H3P04 | 0.613 | 0.006 | 0.001 | 0.001 | 0.004 | 0.004 | 0.613 | 0.006 |
| HAS02 | - | - | - | - | - | - | - | - |
| CO2 | 115.000 | 2.613 | 4.403 | 4.403 | 4.871 | 4.871 | 149.200 | 3.390 |
| H2S | - | - | - | - | - | - | - | - |
| RN (*F-10 CURIE/L) | 5.650 | 8.850 | 8.850 | 8.850 | 170.720 | 170.720 | 80.570 | 80.570 |
| NA/K | 27.530 | 52.452 | 52.452 | 52.452 | 31.885 | 31.885 | 32.049 | 32.049 |
| CA/(HC03+C03) | 0.898 | 0.241 | 0.241 | 0.241 | 1.124 | 1.124 | 1.061 | 1.061 |
| MG/CA | 1.474 | 3.446 | 3.446 | 3.446 | 1.429 | 1.429 | 0.432 | 0.432 |
| NA/CA | 7.522 | 16.175 | 16.175 | 16.175 | 5.666 | 5.666 | 2.219 | 2.219 |
| CL/(HC03+C03) | 2.521 | 1.269 | 1.269 | 1.269 | 2.179 | 2.179 | 0.772 | 0.772 |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 27.310 | 25.109 | 25.109 | 25.109 | 23.442 | 23.442 | 19.293 | 19.293 |
| S04*100/(CL+S04+HC03+C03) | 61.855 | 55.105 | 55.105 | 55.105 | 65.798 | 65.798 | 55.727 | 55.727 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.835 | 19.786 | 19.786 | 19.786 | 10.760 | 10.760 | 24.980 | 24.980 |
| (NA+K)*100/(NA+K+CA+MG) | 75.905 | 78.756 | 78.756 | 78.756 | 70.638 | 70.638 | 61.515 | 61.515 |
| CA*100/(NA+K+CA+MG) | 9.738 | 4.778 | 4.778 | 4.778 | 12.087 | 12.087 | 26.883 | 26.883 |
| MG*100/(NA+K+CA+MG) | 14.358 | 16.466 | 16.466 | 16.466 | 17.275 | 17.275 | 11.602 | 11.602 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 89.165 | 80.214 | 80.214 | 80.214 | 89.240 | 89.240 | 75.020 | 75.020 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.835 | 19.786 | 19.786 | 19.786 | 10.760 | 10.760 | 24.980 | 24.980 |
| (NA+K)*100/(NA+K+CA+MG) | 75.905 | 78.756 | 78.756 | 78.756 | 70.638 | 70.638 | 61.515 | 61.515 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.095 | 21.244 | 21.244 | 21.244 | 29.362 | 29.362 | 38.485 | 38.485 |

第13-2表 蔵王地域水質一覧表 (つつき)

| | 70C 41 | | 70C 42 | | 70C 43 | | 70C 44 | |
|----------------------------------|----------|--------|---------|--------|----------|--------|----------|--------|
| | 28.000 | 0.716 | 20.000 | 0.512 | 29.200 | 0.747 | 26.000 | 0.665 |
| NO | 470.010 | 20.445 | 331.000 | 14.355 | 500.000 | 21.750 | 428.700 | 18.648 |
| TEMP | 60.0 | | | | | 62.5 | 53.0 | |
| TSM | 2271.000 | | | | 2250.000 | | 1950.000 | |
| PH(FD) | 6.60 | | | | 6.30 | | 6.40 | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | | | | | | | | |
| NA | | | | | | | | |
| NH4 | | | | | | | | |
| CA | 72.000 | 2.595 | 72.000 | 3.593 | 128.000 | 6.387 | 192.000 | 9.581 |
| MG | 67.600 | 5.563 | 16.000 | 1.317 | 12.200 | 1.004 | 16.500 | 1.358 |
| FE | 2.000 | 0.072 | 0.300 | 0.011 | 1.100 | 0.039 | 1.800 | 0.064 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | | |
| CL | 206.500 | 7.518 | 155.700 | 4.392 | 280.500 | 7.913 | 233.300 | 6.581 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 803.300 | 16.725 | 580.300 | 12.123 | 792.600 | 16.502 | 786.900 | 16.383 |
| S203 | | | | | | | | |
| HC03 | 313.400 | 5.143 | 190.700 | 3.257 | 335.500 | 5.499 | 484.400 | 7.939 |
| CO3 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 25.050 | 0.415 | 70.000 | 1.166 | 36.000 | 0.599 | 45.000 | 0.749 |
| H2O2 | 42.500 | 0.972 | 22.700 | 0.518 | 28.400 | 0.648 | 56.000 | 1.278 |
| H3PO4 | 0.200 | 1.002 | 0.511 | 0.005 | 0.405 | 0.004 | 0.306 | 0.003 |
| HAS02 | | | | | | | | |
| CO2 | 148.100 | 3.365 | 98.800 | 2.245 | 137.000 | 3.113 | 6.900 | 0.157 |
| H2S | | | | | | | | |
| RN (*F-10 CURIE/L) | | 5.510 | | 6.570 | | 7.280 | | 6.140 |
| NA/K | 24.505 | | 28.059 | | 29.119 | | 28.039 | |
| CA/(HC03+CO3) | 0.505 | | 1.103 | | 1.162 | | 1.207 | |
| MG/CA | 2.144 | | 0.366 | | 0.157 | | 0.142 | |
| NA/CA | 7.879 | | 3.095 | | 3.405 | | 1.946 | |
| CL/(HC03+CO3) | 1.462 | | 1.349 | | 1.439 | | 0.829 | |
| CL/F | | | | | | | | |
| CL*100/(CL+CO4+HC03+CO3) | 25.574 | | 22.214 | | 26.452 | | 21.296 | |
| S04*100/(CL+S04+HC03+CO3) | 56.914 | | 61.315 | | 55.165 | | 53.013 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 17.500 | | 16.471 | | 18.382 | | 25.690 | |
| (NA+K)*100/(NA+K+CA+MG) | 72.175 | | 75.175 | | 75.271 | | 63.842 | |
| CA*100/(NA+K+CA+MG) | 5.350 | | 18.167 | | 21.370 | | 31.670 | |
| MG*100/(NA+K+CA+MG) | 18.973 | | 6.658 | | 3.359 | | 4.488 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 42.488 | | 83.529 | | 81.618 | | 74.310 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 17.500 | | 16.471 | | 18.382 | | 25.690 | |
| (NA+K)*100/(NA+K+CA+MG) | 72.176 | | 75.175 | | 75.271 | | 63.842 | |
| (CA+MG)*100/(NA+K+CA+MG) | 27.824 | | 24.825 | | 24.729 | | 36.158 | |

第13-2表 蔵王地域水質一覧表(つづき)

| | ZOC 45 | ZOC 46 | ZOC 47 | ZOC 48 |
|----------------------------------|----------|----------|----------|----------|
| NO | 60.0 | 58.0 | 56.3 | 60.1 |
| TEMP | 2145.000 | 2215.000 | 1832.000 | 2901.000 |
| TSM | 6.40 | 6.30 | 8.10 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 56.000 | 27.000 | 23.000 | 27.000 |
| NA | 400.000 | 420.000 | 355.000 | 860.000 |
| NH4 | - | 18.270 | 0.000 | 0.400 |
| CA | 216.000 | 10.778 | 172.800 | 76.800 |
| MG | 9.400 | 1.161 | 9.643 | 21.640 |
| FE | 1.900 | 0.068 | 1.480 | 0.760 |
| MN | - | - | - | 0.004 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | 0.300 |
| CL | 297.200 | 259.600 | 223.000 | 376.000 |
| BP | - | 7.323 | - | 10.607 |
| T | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 645.200 | 889.900 | 737.100 | 1074.000 |
| S2O3 | - | - | - | - |
| HC03 | 597.200 | 4.796 | 247.800 | 663.300 |
| C03 | - | 0.030 | 0.915 | - |
| SI02 (MG/KG)(MMOL/KG) | 37.003 | 0.616 | 39.999 | 61.993 |
| HR02 | 28.000 | 9.639 | 23.391 | 29.755 |
| H3PO4 | 0.306 | 0.093 | 0.402 | 0.724 |
| HAS02 | - | - | 0.119 | 0.001 |
| C02 | 32.800 | 0.745 | 4.766 | 159.400 |
| H2S | - | - | - | 3.622 |
| RN (*F=10 CURTE/L) | 4.976 | 4.844 | 1.876 | 3.561 |
| NA/K | 12.147 | 26.453 | 26.248 | 54.166 |
| CA/(HC03+C03) | 1.247 | 2.247 | 2.107 | 0.353 |
| MG/CA | 0.072 | 0.108 | 0.092 | 0.465 |
| NA/CA | 1.614 | 1.695 | 1.791 | 9.762 |
| CL/(HC03+C03) | 0.970 | 1.527 | 1.537 | 0.976 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 27.527 | 23.911 | 24.450 | 24.195 |
| S04*100/(CL+S04+HC03+C03) | 44.104 | 60.427 | 59.646 | 51.006 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.370 | 15.662 | 15.904 | 24.799 |
| (NA+K)*100/(NA+K+CA+MG) | 61.981 | 61.361 | 62.997 | 87.159 |
| CA*100/(NA+K+CA+MG) | 35.473 | 34.881 | 33.885 | 8.767 |
| MG*100/(NA+K+CA+MG) | 2.545 | 3.758 | 3.118 | 4.074 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 71.630 | 84.538 | 84.096 | 75.201 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 28.370 | 15.662 | 15.904 | 24.799 |
| (NA+K)*100/(NA+K+CA+MG) | 61.981 | 61.361 | 62.997 | 87.159 |
| (CA+MG)*100/(NA+K+CA+MG) | 38.019 | 38.639 | 37.003 | 12.841 |

第13-2表 蔵王地域水質一覧表(つづき)

| | ZOC 49 | ZOC 50 | ZOC 51 | ZOC 52 |
|----------------------------------|----------|----------|----------|----------|
| NO | | 38.7 | 51.4 | 85.2 |
| TEMP | 52.0 | | 1440.000 | 1449.100 |
| TSM | 3273.000 | 8.02 | 8.35 | 7.02 |
| PH(FD) | 7.53 | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 45.000 | 11.470 | 16.970 | 32.700 |
| NA | 780.000 | 892.400 | 444.300 | 432.000 |
| NH4 | 0.750 | 0.179 | | 0.180 |
| CA | 66.000 | 3.293 | 24.920 | 22.400 |
| MG | 52.680 | 14.310 | 17.090 | 0.490 |
| FE | 0.700 | 0.459 | 3.494 | 0.740 |
| MN | 0.280 | 0.070 | 0.060 | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.550 | 0.120 | 0.098 | |
| CL | 390.000 | 375.900 | 356.400 | 341.100 |
| BR | 0.500 | | 0.899 | |
| I | | | | |
| F | | | | |
| OH | | 0.017 | 0.043 | 0.277 |
| S04 | 1310.000 | 1591.000 | 271.100 | 285.600 |
| S203 | | | | |
| HCO3 | 286.200 | 234.200 | 408.800 | 247.000 |
| CO3 | | 1.380 | 6.034 | 0.201 |
| S102 (MG/KG)(MMOL/KG) | | | | |
| RP02 | 174.042 | 37.397 | 67.028 | 69.990 |
| HP04 | 45.383 | 51.197 | 63.655 | 29.839 |
| HA02 | 0.215 | 1.219 | 1.029 | 1.453 |
| CO2 | 1.079 | 0.002 | 0.012 | 0.011 |
| H2S | 22.020 | 0.992 | 1.133 | 0.011 |
| | | 5.629 | 3.934 | 0.345 |
| | | | | 59.370 |
| | | | | 1.349 |
| RN (*E-10 CURTE/L) | 0.523 | 1.011 | 0.994 | 0.511 |
| NA/K | 29.476 | 132.308 | 44.523 | 22.466 |
| CA/(HC03+CO3) | 0.702 | 1.797 | 0.180 | 0.276 |
| MG/CA | 1.316 | 0.169 | 1.131 | 0.036 |
| NA/CA | 10.302 | 5.561 | 15.542 | 16.812 |
| CL/(HC03+CO3) | 2.345 | 2.730 | 1.457 | 2.377 |
| CL/F | | | | 659.917 |
| CL*100/(CL+S04+HC03+CO3) | 25.606 | 22.271 | 44.488 | 49.052 |
| S04*100/(CL+S04+HC03+CO3) | 63.477 | 69.570 | 24.975 | 30.311 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 10.917 | 8.159 | 30.537 | 20.637 |
| (NA+K)*100/(NA+K+CA+MG) | 82.139 | 82.741 | 88.176 | 94.429 |
| CA*100/(NA+K+CA+MG) | 7.711 | 14.768 | 5.549 | 5.377 |
| MG*100/(NA+K+CA+MG) | 10.150 | 2.491 | 6.275 | 0.194 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 39.093 | 91.841 | 69.463 | 79.363 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 10.917 | 8.159 | 30.537 | 20.637 |
| (NA+K)*100/(NA+K+CA+MG) | 82.139 | 82.741 | 88.176 | 94.429 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.861 | 17.259 | 11.824 | 5.571 |

第18-2表 蔵王地域水質一覧表 (つづき)

| | ZOC 57 | ZOC 58 | ZOC 59 | ZOC 60 |
|----------------------------------|----------|----------|----------|----------|
| NO | 37.2 | 58.5 | 57.0 | 49.8 |
| TEMP | 97.5,010 | 1692.000 | 1942.000 | 1170.000 |
| TSM | 7.52 | 7.20 | 5.30 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 14.190 | 24.000 | 0.614 | 14.000 |
| NA | 221.800 | 350.000 | 0.614 | 0.767 |
| NH4 | 0.959 | 15.225 | 30.000 | 20.880 |
| CA | 39.380 | 24.000 | 1.194 | 0.011 |
| MG | 6.296 | 98.730 | 8.129 | 1.627 |
| FE | 0.442 | 0.070 | 0.003 | 6.068 |
| MN | 0.436 | - | - | 0.158 |
| ZN | 0.072 | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 111.800 | 192.900 | 5.442 | 55.100 |
| BR | - | - | 263.109 | 7.422 |
| I | - | - | - | - |
| F | 0.140 | - | - | - |
| OH | 204.100 | 729.600 | 15.190 | 10.491 |
| S04 | 302.700 | 245.500 | 4.024 | 6.187 |
| S203 | 0.558 | - | - | 204.300 |
| HCO3 | - | - | - | - |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 63.941 | 45.002 | 0.749 | 0.666 |
| HR02 | 8.657 | 3.300 | 0.075 | 0.240 |
| H3P04 | 0.323 | 0.464 | 0.005 | 0.759 |
| HAS02 | 0.561 | 0.928 | 0.009 | 0.374 |
| CO2 | 33.250 | 47.220 | 1.073 | 10.308 |
| H2S | - | - | - | 19.650 |
| RN (*E-10 CURIE/L) | 1.450 | 3.371 | 3.709 | 0.442 |
| NA/K | 76.521 | 24.800 | 27.209 | 24.294 |
| CA/(HCO3+CO3) | 0.395 | 0.298 | 0.263 | 1.814 |
| MG/CA | 0.259 | 6.787 | 3.730 | 0.064 |
| NA/CA | 4.910 | 12.713 | 12.835 | 1.433 |
| CL/(HCO3+CO3) | 0.633 | 1.352 | 1.200 | 0.447 |
| CL/F | 427.958 | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 75.469 | 22.071 | 24.874 | 9.767 |
| S04*100/(CL+S04+HCO3+CO3) | 80.316 | 61.610 | 54.390 | 68.402 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 10.215 | 16.320 | 20.736 | 21.832 |
| (NA+K)*100/(NA+K+CA+MG) | 79.810 | 62.940 | 73.776 | 58.357 |
| CA*100/(NA+K+CA+MG) | 15.666 | 4.759 | 5.544 | 39.124 |
| MG*100/(NA+K+CA+MG) | 4.524 | 32.301 | 20.680 | 2.519 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 50.755 | 93.680 | 79.264 | 78.168 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 40.215 | 16.320 | 20.736 | 21.832 |
| (NA+K)*100/(NA+K+CA+MG) | 79.810 | 62.940 | 73.776 | 58.357 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.190 | 37.060 | 26.224 | 41.643 |

第13-2表 蔵王地域水質一覽表(つづき)

| | ZOC 61 | ZOC 62 | ZOC 63 | ZOC 64 |
|----------------------------------|----------|----------|----------|----------|
| NO | 23.5 | 81.3 | 82.3 | 59.9 |
| TFMP | 1601.000 | 2255.000 | 2288.000 | 2086.000 |
| TSM | 6.91 | 6.75 | 6.75 | 7.55 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/H°C) | - | - | - | - |
| K | 13.600 | 0.548 | 0.721 | 0.734 |
| NA | 327.500 | 14.246 | 21.315 | 27.200 |
| NH4 | - | 490.000 | - | 435.000 |
| CA | 114.000 | 206.000 | 188.800 | 199.200 |
| MG | 21.170 | 13.410 | 25.400 | 7.762 |
| FE | 10.500 | 0.376 | 4.400 | 2.050 |
| MN | 0.150 | 0.005 | 0.002 | 0.004 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | - |
| CL | 220.400 | 6.217 | 8.325 | 262.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 561.900 | 11.699 | 17.970 | 838.000 |
| S203 | - | - | - | - |
| HC03 | 306.400 | 5.022 | 7.198 | 337.200 |
| C03 | - | - | 0.174 | - |
| SI02 (MG/KG)(MMP/L/KG) | 25.003 | 0.583 | 0.748 | 0.783 |
| H002 | 28.351 | 0.647 | 0.906 | 35.428 |
| H3P04 | - | - | 0.005 | 0.221 |
| HAS02 | - | - | 0.519 | 0.002 |
| C02 | 95.760 | 1.008 | 1.080 | 0.259 |
| H2S | - | 168.900 | 3.837 | 20.270 |
| RN (*E-10 CHRIE/L) | 4.235 | 2.991 | 1.163 | 2.148 |
| NA/K | 40.951 | 29.549 | 30.100 | 27.196 |
| CA/(HC03+C03) | 1.133 | 1.428 | 1.223 | 1.799 |
| MG/CA | 0.306 | 0.107 | 0.222 | 0.064 |
| NA/CA | 2.504 | 2.074 | 2.346 | 1.904 |
| CL/(HC03+C03) | 1.238 | 1.156 | 1.139 | 1.337 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 27.195 | 24.855 | 25.288 | 24.341 |
| S04*100/(CL+S04+HC03+C03) | 51.001 | 53.652 | 52.508 | 57.458 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.893 | 21.493 | 22.204 | 18.201 |
| (NA+K)*100/(NA+K+CA+MG) | 66.262 | 65.939 | 66.482 | 64.967 |
| CA*100/(NA+K+CA+MG) | 25.828 | 30.759 | 27.432 | 32.917 |
| MG*100/(NA+K+CA+MG) | 7.910 | 3.302 | 6.086 | 2.115 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 78.107 | 78.507 | 77.796 | 81.799 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.893 | 21.493 | 22.204 | 18.201 |
| (NA+K)*100/(NA+K+CA+MG) | 66.262 | 65.939 | 66.482 | 64.967 |
| (CA+MG)*100/(CA+K+CA+MG) | 33.733 | 34.061 | 33.518 | 35.033 |

第13-2表 蔵王地域水質一覽表 (つづき)

| | ZOC 65 | ZOC 66 | ZOC 67 | ZOC 68 |
|----------------------------------|---------|---------|----------|----------|
| NO | 37.0 | 39.6 | 37.3 | 55.5 |
| TEMP | 285.000 | 317.200 | 2125.000 | 2272.000 |
| TSM | 8.60 | 8.70 | 7.20 | 1.50 |
| PH(FD) | 8.50 | 8.60 | 7.40 | 1.50 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.050 | 1.814 | 18.770 | 32.260 |
| NA | 57.000 | 114.100 | 483.500 | 27.150 |
| NH4 | | 0.320 | 0.554 | 116.800 |
| CA | 1.762 | 1.910 | 104.900 | 87.140 |
| MG | 0.680 | 0.315 | 32.320 | 48.880 |
| FE | 0.215 | 0.390 | 1.518 | 15.260 |
| MN | | | 0.145 | 5.641 |
| ZN | | | | 0.016 |
| CU | | | | 0.531 |
| PB | | | | 0.018 |
| AL | 3.292 | 0.542 | 0.362 | 59.780 |
| CL | 3.582 | 4.610 | 80.140 | 581.500 |
| BR | | | | 1.183 |
| I | | | | 0.241 |
| F | | | | |
| OH | 0.068 | 0.085 | | |
| S04 | 26.540 | 25.840 | 0.538 | |
| S203 | | | | |
| HC03 | 251.910 | 4.129 | 1198.000 | 2486.580 |
| C03 | 5.946 | 7.812 | 162.700 | 39.528 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 1.054 | 25.596 | 75.973 | 125.857 |
| H3P04 | 5.316 | 0.121 | 10.630 | 2.273 |
| HAS02 | | | 0.314 | 4.399 |
| C02 | 0.022 | 0.000 | | |
| H2S | 1.514 | 0.034 | | |
| | 0.871 | 0.026 | 24.640 | 288.200 |
| RN (*E-10 CURIE/L) | | | | 36.560 |
| NA/K | 50.465 | 106.964 | 43.805 | 7.316 |
| CA/(HC03+C03) | 0.020 | 0.021 | 1.963 | |
| MG/CA | 0.636 | 0.445 | 0.508 | 0.925 |
| NA/CA | 47.990 | 52.076 | 4.018 | 1.168 |
| CL/(HC03+C03) | 0.023 | 0.028 | 0.848 | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 2.029 | 2.468 | 7.569 | |
| S04*100/(CL+S04+HC03+C03) | 11.102 | 10.211 | 83.504 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.869 | 87.320 | 8.928 | |
| (NA+K)*100/(NA+K+CA+MG) | 96.742 | 97.325 | 73.155 | 40.827 |
| CA*100/(NA+K+CA+MG) | 1.991 | 1.852 | 17.801 | 30.739 |
| MG*100/(NA+K+CA+MG) | 1.267 | 0.823 | 9.044 | 28.435 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 13.131 | 12.680 | 91.072 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.869 | 87.320 | 8.928 | |
| (NA+K)*100/(NA+K+CA+MG) | 96.742 | 97.325 | 73.155 | 40.827 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.258 | 2.675 | 26.845 | 59.173 |

第13-2表 蔵王地域水質一覧表 (つづき)

| NO | ZOC 69 | | ZOC 70 | | ZOC 71 | | ZOC 72 | |
|----------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|
| | TEMP | PH(FD) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| H (MG/KG) (MVAL/KG) | 32.260 | 32.005 | 20.160 | 20.001 | 32.260 | 32.005 | 25.200 | 25.001 |
| K | 28.150 | 0.720 | 24.550 | 0.628 | 46.280 | 1.184 | 43.800 | 1.120 |
| NA | 122.000 | 5.307 | 120.100 | 5.224 | 96.600 | 4.202 | 92.000 | 4.002 |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 75.760 | 3.780 | 68.540 | 3.420 | 90.000 | 4.491 | 95.720 | 4.776 |
| MG | 49.430 | 4.068 | 38.440 | 3.163 | 30.180 | 2.484 | 17.330 | 1.426 |
| FE | 15.423 | 0.552 | 15.914 | 0.570 | 32.400 | 1.160 | 30.260 | 1.084 |
| MN | 5.797 | 0.208 | 4.824 | 0.176 | 4.485 | 0.163 | 3.406 | 0.124 |
| ZN | 0.522 | 0.016 | 0.383 | 0.012 | 0.505 | 0.015 | 0.485 | 0.015 |
| CU | 0.586 | 0.018 | 0.498 | 0.016 | 0.607 | 0.019 | 0.614 | 0.019 |
| PB | - | - | - | - | - | - | - | - |
| AL | 74.170 | 8.247 | 73.900 | 8.217 | 148.900 | 16.556 | 202.700 | 22.538 |
| CL | 588.600 | 16.604 | 415.300 | 11.716 | 602.800 | 17.005 | 567.400 | 16.006 |
| BR | 1.239 | 0.016 | 0.879 | 0.011 | 0.759 | 0.010 | 0.703 | 0.009 |
| I | 0.241 | 0.002 | 0.074 | 0.001 | 0.292 | 0.002 | 0.267 | 0.002 |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - |
| S04 | 2559.133 | 53.281 | 1800.288 | 37.482 | 3066.667 | 63.848 | 2827.962 | 58.878 |
| S203 | 42.042 | 0.750 | 40.657 | 0.725 | 12.200 | 0.218 | 12.614 | 0.225 |
| HC03 | - | - | - | - | - | - | - | - |
| C03 | - | - | - | - | - | - | - | - |
| SI02 | 121.857 | 2.029 | 58.067 | 0.967 | 127.858 | 2.129 | 119.857 | 1.996 |
| HR02 | 2.238 | 0.051 | 2.294 | 0.052 | 3.854 | 0.088 | 3.449 | 0.079 |
| H3P04 | 4.458 | 0.046 | 5.046 | 0.052 | 10.681 | 0.109 | 11.132 | 0.114 |
| HAS02 | - | - | - | - | - | - | - | - |
| C02 | 291.800 | 6.630 | 218.400 | 4.962 | 339.800 | 7.720 | 372.000 | 8.461 |
| H2S | 39.720 | 1.166 | 35.800 | 1.051 | 28.540 | 0.838 | 27.270 | 0.800 |
| RM (*F-10 CURIE/L) | - | - | - | - | - | - | - | - |
| NA/K | 7.370 | 8.319 | - | - | 3.550 | - | - | - |
| CA/(HC03+C03) | - | - | - | - | - | - | - | - |
| MG/CA | 1.076 | 0.925 | - | - | 0.553 | - | 0.299 | - |
| NA/CA | 1.404 | 1.528 | - | - | 0.936 | - | 0.838 | - |
| CL/(HC03+C03) | - | - | - | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 43.438 | 47.061 | 47.061 | 47.061 | 43.574 | 45.231 | 45.231 | 45.231 |
| CA*100/(NA+K+CA+MG) | 27.246 | 27.503 | 27.503 | 27.503 | 36.334 | 36.334 | 42.176 | 42.176 |
| MG*100/(NA+K+CA+MG) | 29.316 | 25.437 | 25.437 | 25.437 | 20.092 | 20.092 | 12.592 | 12.592 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 43.438 | 47.061 | 47.061 | 47.061 | 43.574 | 45.231 | 45.231 | 45.231 |
| (CA+MG)*100/(NA+K+CA+MG) | 56.562 | 52.939 | 52.939 | 52.939 | 56.426 | 56.426 | 54.769 | 54.769 |

第13-2表 藤王地域水質一覧表(つづき)

| | 70C 73 | 70C 74 | 70C 75 | 70C 76 |
|----------------------------------|----------|----------|----------|----------|
| NO | 45.1 | 44.8 | 42.8 | 43.2 |
| TEMP | 2664.000 | 2836.000 | 2846.000 | 2786.000 |
| TSM | 1.50 | 1.50 | 1.60 | 1.50 |
| PH(FD) | 1.50 | 1.50 | 1.60 | 1.50 |
| PH(LB) | 1.50 | 1.50 | 1.60 | 1.50 |
| H (MG/KG)(WIAL/KG) | 32.360 | 32.260 | 25.200 | 32.260 |
| K | 46.890 | 48.040 | 49.800 | 42.800 |
| NA | 45.130 | 96.600 | 98.840 | 92.000 |
| NR4 | — | — | — | — |
| CA | 65.770 | 84.000 | 97.140 | 84.290 |
| MG | 18.050 | 36.120 | 46.220 | 34.050 |
| FF | 32.500 | 34.450 | 32.310 | 35.070 |
| MN | 4.308 | 3.621 | 0.132 | 3.452 |
| ZN | 0.499 | 0.444 | 0.455 | 0.477 |
| CU | 1.614 | 0.553 | 0.661 | 0.584 |
| PB | — | — | — | — |
| AL | 146.500 | 164.300 | 210.700 | 160.700 |
| CL | 50.300 | 617.000 | 585.100 | 595.700 |
| BR | 0.773 | 1.303 | 0.767 | 0.887 |
| I | 0.214 | 0.406 | 0.292 | 0.317 |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 2986.101 | 3164.977 | 3024.512 | 3152.550 |
| S2O3 | 15.421 | 13.322 | 7.602 | 2.400 |
| HCO3 | — | — | — | — |
| CO3 | — | — | — | — |
| STO2 (MG/KG)(MMOL/KG) | 121.857 | 131.858 | 135.853 | 125.857 |
| HB02 | 3.587 | 3.833 | 3.296 | 3.742 |
| H3PO4 | 11.053 | 10.329 | 10.054 | 10.368 |
| HAS02 | — | — | — | — |
| CO2 | 653.500 | 412.200 | 115.300 | 216.500 |
| H2S | 31.530 | 27.690 | 16.610 | 21.730 |
| RN (*F-10 CURTIE/L) | — | — | — | — |
| NA/K | 3.467 | 3.420 | 3.375 | 3.655 |
| CA/(HC03+CO3) | — | — | — | — |
| MG/CA | 1.311 | 0.709 | 0.683 | 0.666 |
| NA/CA | 0.846 | 1.003 | 0.887 | 0.951 |
| CL/(HC03+CO3) | — | — | — | — |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | — | — | — | — |
| (NA+K)*100/(NA+S+CA+MG) | 46.018 | 43.120 | 40.592 | 42.106 |
| CA*100/(NA+S+CA+MG) | 41.177 | 33.280 | 35.303 | 34.747 |
| MG*100/(NA+S+CA+MG) | 12.805 | 23.599 | 24.105 | 23.147 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | — | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 46.018 | 43.120 | 40.592 | 42.106 |
| (CA+MG)*100/(NA+K+CA+MG) | 53.982 | 56.880 | 59.408 | 57.894 |

第13-2表 蔵王地域水質一覽表(つづき)

| | ZOC 77 | ZOC 78 | ZOC 79 | ZOC 80 |
|----------------------------------|----------|----------|----------|---------|
| NO | 38.7 | 43.1 | 45.2 | 23.5 |
| TEMP | 1813.000 | 3022.000 | 3274.000 | 314.000 |
| TSM | 7.80 | 7.90 | 8.00 | 7.70 |
| PH(FD) | 8.00 | 7.80 | 7.90 | 7.80 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 15.030 | 0.410 | 0.380 | 0.100 |
| NA | 1173.000 | 51.026 | 38.471 | 3.910 |
| NH4 | | 0.016 | 0.001 | 77.280 |
| CA | 57.260 | 2.857 | 2.777 | 0.330 |
| MG | 34.820 | 1.220 | 0.260 | 6.607 |
| FE | 0.464 | 0.017 | 0.016 | 2.066 |
| MN | | 0.090 | 0.003 | 0.073 |
| ZN | | | 0.180 | 0.007 |
| CU | 0.020 | 0.001 | | |
| PR | | | | |
| AL | 3.783 | 0.421 | 0.182 | 0.438 |
| CL | 172.300 | 4.861 | 4.200 | 0.470 |
| BR | 0.200 | 0.003 | 0.002 | 16.670 |
| I | 0.212 | 0.002 | 0.000 | |
| F | | | 0.063 | |
| OH | | | | |
| S04 | 2123.000 | 44.201 | 34.478 | 77.360 |
| S203 | | | | |
| HC03 | 421.300 | 6.905 | 3.625 | 37.622 |
| C03 | 1.542 | 0.051 | 0.034 | 124.100 |
| SI02 (MG/KG)(MMOL/KC) | | | | 0.013 |
| HB02 | 39.007 | 0.649 | 0.566 | 38.005 |
| H3P04 | 31.186 | 0.712 | 1.717 | 2.126 |
| HAS04 | | | 0.002 | 0.049 |
| C02 | | | | 0.002 |
| H2S | 15.210 | 0.368 | 0.157 | 5.971 |
| RN (*F=10 CHLIE/L) | | | | 0.136 |
| NA/K | 104.438 | | 141.621 | 33.611 |
| CA/(HC03+C03) | 0.411 | 0.759 | 0.798 | 0.161 |
| MG/CA | 0.427 | 0.094 | 0.105 | 0.516 |
| NA/CA | 17.858 | 13.851 | 13.681 | 10.197 |
| CL/(HC03+C03) | 0.699 | 1.148 | 1.361 | 0.230 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 8.677 | 9.921 | 11.322 | 11.393 |
| S04*100/(CL+S04+HC03+C03) | 78.905 | 81.436 | 80.359 | 39.022 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.413 | 8.643 | 8.319 | 49.585 |
| (NA+K)*100/(NA+K+CA+MG) | 92.656 | 92.749 | 92.572 | 87.386 |
| CA*100/(NA+K+CA+MG) | 5.147 | 6.630 | 6.719 | 8.323 |
| MG*100/(NA+K+CA+MG) | 2.197 | 0.621 | 0.709 | 4.292 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.592 | 91.357 | 91.681 | 50.415 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.413 | 8.643 | 8.319 | 49.585 |
| (NA+K)*100/(NA+K+CA+MG) | 90.656 | 92.749 | 92.572 | 87.386 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.344 | 7.251 | 7.428 | 12.614 |

第13-2表 蔵王地蔵水質一覽表 (つづき)

| NO | ZOC 81 | | ZOC 82 | | ZOC 83 | | ZOC 84 | |
|----------------------------------|----------|----------|----------|---------|---------|-------|----------|----------|
| | 34.5 | 52.3 | 52.3 | 29.0 | 29.0 | 44.5 | 44.5 | 2608.000 |
| TEMP | 2556.000 | 4551.000 | 4551.000 | 114.000 | 114.000 | 7.80 | 7.80 | 1.50 |
| TSM | 7.20 | 7.30 | 7.30 | 7.40 | 7.40 | 7.60 | 7.60 | 1.50 |
| PH(FD) | | | | | | | | |
| PH(CLB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 14.050 | 0.560 | 32.820 | 0.840 | 0.870 | 0.022 | 32.260 | 32.005 |
| NA | 524.400 | 22.811 | 1180.000 | 51.330 | 31.100 | 1.353 | 48.040 | 1.229 |
| NH4 | 0.040 | 0.002 | 0.160 | 0.009 | | | 98.840 | 4.300 |
| CA | 259.100 | 14.426 | 147.700 | 3.368 | 2.545 | 0.127 | 98.570 | 4.919 |
| MG | 4.372 | 0.360 | 71.830 | 5.911 | 0.250 | 0.021 | 21.460 | 1.766 |
| FE | 0.401 | 0.014 | 5.550 | 0.199 | 0.036 | 0.001 | 32.190 | 1.153 |
| MN | 0.144 | 0.005 | 0.170 | 0.006 | | | 3.881 | 0.141 |
| ZN | | | | | | | 0.501 | 0.015 |
| CU | | | | | | | 0.620 | 0.020 |
| PB | | | | | | | | |
| AL | 0.388 | 0.043 | 13.680 | 1.521 | | | 162.400 | 18.057 |
| CL | 381.200 | 10.754 | 341.800 | 9.642 | 8.510 | 0.240 | 617.000 | 17.406 |
| BR | 0.713 | 0.009 | 2.238 | 0.028 | | | 1.135 | 0.014 |
| I | | | 0.169 | 0.001 | | | 0.381 | 0.003 |
| F | | | | | | | | |
| OH | | | | | | | | |
| SO4 | 1281.000 | 26.670 | 2522.000 | 52.308 | 8.050 | 0.168 | 2960.128 | 61.630 |
| S2O3 | | | | | | | 15.421 | 0.275 |
| HC03 | 50.370 | 0.826 | 386.500 | 6.335 | 69.850 | 1.145 | | |
| C03 | | | | | | | | |
| ST02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HR02 | 20.407 | 0.340 | 31.001 | 0.516 | 13.500 | 0.225 | 133.858 | 2.229 |
| H3P04 | 7.057 | 0.162 | | | | | 3.926 | 0.090 |
| HAS02 | 0.059 | 0.001 | | | | | 12.044 | 0.123 |
| C02 | | | 9.572 | 0.005 | 0.032 | 0.000 | | |
| H2S | 7.630 | 0.173 | 46.460 | 1.056 | 2.684 | 0.061 | 699.300 | 15.888 |
| BN (*F-10 CURIE/L) | | | | | | | 31.530 | 0.925 |
| NA/K | | | | | | | | |
| CA/(HC03+C02) | 63.336 | 1.321 | 61.141 | 60.790 | 3.499 | | | |
| MG/CA | 17.474 | 0.111 | 17.474 | 0.111 | 0.111 | | | |
| NA/CA | 0.025 | 0.162 | 0.706 | 0.162 | 0.162 | | | |
| CL/(HC03+C03) | 1.541 | 10.653 | 6.134 | 10.653 | 10.653 | | | |
| CL/F | 13.026 | 0.210 | 1.522 | 0.210 | 0.210 | | | |
| CL*100/(CL+S04+HC03+C03) | | | | | | | | |
| S04*100/(CL+S04+HC03+C03) | 28.114 | 14.079 | 14.079 | 15.463 | 15.463 | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 69.727 | 76.671 | 76.671 | 10.795 | 10.795 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 2.158 | 9.250 | 9.250 | 73.741 | 73.741 | | | |
| CA*100/(NA+K+CA+MG) | 61.046 | 78.511 | 78.511 | 90.309 | 90.309 | | | |
| MG*100/(NA+K+CA+MG) | 38.006 | 12.594 | 12.594 | 8.340 | 8.340 | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 0.908 | 8.895 | 8.895 | 1.351 | 1.351 | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 97.842 | 90.750 | 90.750 | 26.259 | 26.259 | | | |
| (NA+K)*100/(NA+K+CA+MG) | 2.158 | 9.250 | 9.250 | 73.741 | 73.741 | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 61.046 | 78.511 | 78.511 | 90.309 | 90.309 | | | |
| | 38.954 | 21.489 | 21.489 | 9.691 | 9.691 | | | |

第 13-2 表 蔵王地域水質一覧表 (つづき)

| | ZOC 85 | ZOC 86 | ZOC 87 | ZOC 88 |
|--|----------|----------|----------|----------|
| NO | 41.0 | 47.5 | 44.5 | 44.3 |
| TEMP | 2654.000 | 1913.000 | 1898.000 | 1812.000 |
| TSM | 1.50 | 1.70 | 1.70 | 1.70 |
| PH(FD) | 1.50 | 1.70 | 1.70 | 1.70 |
| PH(LB) | 1.50 | 1.70 | 1.70 | 1.70 |
| H (MG/KG) (VAL/KG) | 32.260 | 20.160 | 20.160 | 20.160 |
| K | 43.800 | 14.260 | 23.880 | 13.530 |
| NA | 63.240 | 62.780 | 122.300 | 61.470 |
| NH4 | — | 0.650 | — | 0.638 |
| CA | 97.140 | 64.100 | 67.770 | 59.740 |
| MG | 13.550 | 40.960 | 37.380 | 42.470 |
| FE | 20.470 | 13.500 | 16.152 | 14.100 |
| MN | 2.744 | 3.800 | 4.483 | 3.800 |
| ZN | 0.352 | — | 0.400 | — |
| CU | 0.406 | TR. | 0.466 | — |
| PR | — | — | — | — |
| AL | 133.500 | 99.070 | 67.250 | 88.170 |
| CL | 574.500 | 442.500 | 401.700 | 420.500 |
| BP | 0.631 | — | 0.791 | — |
| I | 0.146 | — | 0.076 | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 2878.103 | 1735.006 | 1770.023 | 1695.142 |
| SO3 | 7.288 | — | 41.770 | — |
| HC03 | — | — | — | — |
| CO3 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 105.856 | 63.006 | 55.497 | 57.005 |
| HB02 | 3.016 | 26.810 | 2.307 | 27.550 |
| H3P04 | 9.799 | 14.105 | 14.473 | 13.519 |
| HAS02 | — | — | — | — |
| CO2 | 104.600 | 268.500 | 229.100 | 254.300 |
| H2S | 15.220 | 40.800 | 37.320 | 56.100 |
| RN (*E-10 CURIE/L) | — | — | — | — |
| NA/K | 3.622 | 7.487 | 8.709 | 7.726 |
| CA/(HC03+CO ³) | — | — | — | — |
| MG/CA | 0.230 | 1.054 | 0.910 | 1.172 |
| NA/CA | 0.837 | 0.854 | 1.573 | 0.897 |
| CL/(HC03+CO ³) | — | — | — | — |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+CO ³) | — | — | — | — |
| SO4*100/(CL+S04+HC03+CO ³) | — | — | — | — |
| (HC03+CO ³)*100/(CL+S04+HC03+CO ³) | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 46.480 | 32.030 | 47.874 | 31.804 |
| CA*100/(NA+K+CA+MG) | 43.511 | 33.095 | 27.297 | 31.393 |
| MG*100/(NA+K+CA+MG) | 10.009 | 34.875 | 24.829 | 36.804 |
| (CL+S04)*100/(CL+S04+HC03+CO ³) | — | — | — | — |
| (HC03+CO ³)*100/(CL+S04+HC03+CO ³) | — | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 46.480 | 32.030 | 47.874 | 31.804 |
| (CA+MG)*100/(NA+K+CA+MG) | 53.520 | 67.970 | 52.126 | 68.196 |

第 13-2 表 蔵王地蔵水質一覽表 (つづき)

| NO | TEMP | ZOC 89 | | ZOC 90 | | ZOC 91 | | ZOC 92 | |
|----------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| | | 43.3 | 51.8 | 43.2 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| TSM | 20.50 | 0.70 | 2.110 | 0.000 | 2.986 | 0.000 | 2.986 | 0.000 | 2.986 |
| PH(F/D) | 1.70 | 1.60 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| PH(C/LB) | 1.70 | 1.70 | 1.60 | 1.60 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| H (MG/KG) (MVAL/KG) | 20.150 | 20.001 | 25.200 | 25.001 | 32.280 | 32.005 | 32.280 | 32.005 | 32.260 |
| K | 28.780 | 0.736 | 23.770 | 9.608 | 48.040 | 1.229 | 48.040 | 1.229 | 42.800 |
| NA | 95.120 | 4.138 | 107.600 | 4.681 | 102.300 | 4.450 | 102.300 | 4.450 | 92.000 |
| NH4 | 71.830 | 4.063 | 82.860 | 4.135 | 98.570 | 4.919 | 98.570 | 4.919 | 94.290 |
| CA | 38.550 | 3.172 | 42.170 | 4.046 | 18.900 | 1.555 | 18.900 | 1.555 | 13.540 |
| MC | 15.014 | 0.538 | 18.116 | 0.649 | 30.231 | 1.083 | 30.231 | 1.083 | 30.710 |
| FE | 4.668 | 0.179 | 5.185 | 0.189 | 3.840 | 0.140 | 3.840 | 0.140 | 4.004 |
| MN | 0.316 | 0.010 | 0.526 | 0.016 | 0.521 | 0.016 | 0.521 | 0.016 | 0.493 |
| ZN | 0.406 | 0.014 | 0.581 | 0.018 | 0.681 | 0.021 | 0.681 | 0.021 | 0.622 |
| CU | 114.690 | 12.742 | 89.720 | 9.976 | 155.200 | 17.257 | 155.200 | 17.257 | 139.800 |
| AL | 4.59 | 7.00 | 510.600 | 14.404 | 609.900 | 17.205 | 609.900 | 17.205 | 574.500 |
| CL | 0.835 | 0.012 | 1.055 | 0.013 | 0.743 | 0.009 | 0.743 | 0.009 | 0.703 |
| BR | 0.089 | 0.001 | 0.127 | 0.001 | 0.241 | 0.002 | 0.241 | 0.002 | 0.279 |
| I | 0.089 | 0.001 | 0.127 | 0.001 | 0.241 | 0.002 | 0.241 | 0.002 | 0.279 |
| F | 0.089 | 0.001 | 0.127 | 0.001 | 0.241 | 0.002 | 0.241 | 0.002 | 0.279 |
| OH | 2019.280 | 42.054 | 2219.064 | 46.201 | 3074.919 | 64.020 | 3074.919 | 64.020 | 2791.996 |
| SO4 | 24.951 | 0.445 | 39.954 | 0.713 | 10.233 | 0.183 | 10.233 | 0.183 | 16.125 |
| HC03 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CO3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| SI02 (MG/KG) (MMOL/KC) | 1.01 | 8.55 | 117.857 | 1.962 | 127.858 | 2.129 | 127.858 | 2.129 | 125.857 |
| RE02 | 2.354 | 0.065 | 2.242 | 0.051 | 3.793 | 0.087 | 3.793 | 0.087 | 3.552 |
| H3PO4 | 13.435 | 0.137 | 17.341 | 0.177 | 10.456 | 0.107 | 10.456 | 0.107 | 10.946 |
| HAS02 | 282.700 | 6.423 | 265.400 | 6.030 | 296.600 | 6.739 | 296.600 | 6.739 | 383.700 |
| C02 | 28.120 | 0.825 | 29.400 | 0.863 | 19.600 | 0.575 | 19.600 | 0.575 | 31.950 |
| H2S | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| RN (*E-10 CURIE/L) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| NA/K | 5.620 | 7.698 | 0.000 | 0.000 | 3.621 | 3.655 | 3.621 | 3.655 | 3.655 |
| CA/(HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.316 | 0.237 | 0.316 | 0.237 | 0.237 |
| MG/CA | 3.731 | 0.979 | 0.000 | 0.000 | 0.905 | 0.851 | 0.905 | 0.851 | 0.851 |
| NA/CA | 1.018 | 1.132 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL/(HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL/F | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL*100/(CL+S04+HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| S04*100/(CL+S04+HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (NA+K)*100/(NA+K+CA+MG) | 41.209 | 39.264 | 46.729 | 46.729 | 46.729 | 46.691 | 46.729 | 46.691 | 46.691 |
| CA*100/(NA+K+CA+MG) | 33.555 | 30.697 | 30.473 | 30.473 | 30.473 | 30.473 | 30.473 | 30.473 | 30.473 |
| MG*100/(NA+K+CA+MG) | 26.177 | 30.040 | 12.798 | 12.798 | 12.798 | 12.798 | 12.798 | 12.798 | 12.798 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (NA+K)*100/(NA+K+CA+MG) | 60.209 | 39.264 | 46.729 | 46.729 | 46.729 | 46.691 | 46.729 | 46.691 | 46.691 |
| (CA+MG)*100/(NA+K+CA+MG) | 59.751 | 60.736 | 53.309 | 53.309 | 53.309 | 53.309 | 53.309 | 53.309 | 53.309 |

第13-2表 蔵王地蔵水質一覧表(つづき)

| | ZOC 93 | ZOC 94 | ZOC 95 | ZOC 96 |
|----------------------------------|----------|----------|----------|----------|
| NO | 41.8 | 41.6 | 44.2 | 36.2 |
| TEMP | 2438.000 | 2554.000 | 2886.000 | 2104.000 |
| TSM | 1.50 | 1.50 | 1.50 | 1.70 |
| PH(FD) | 1.50 | 1.50 | 1.50 | 1.70 |
| PH(CLR) | | | | |
| H (MG/KG)(MIVAL/KG) | 32.260 | 32.005 | 32.260 | 20.160 |
| K | 43.270 | 1.136 | 49.800 | 0.890 |
| NA | 91.070 | 4.002 | 96.600 | 3.657 |
| NH4 | | | | |
| CA | 98.570 | 4.919 | 82.860 | 80.110 |
| MG | 22.170 | 1.824 | 2.730 | 30.230 |
| FE | 32.010 | 1.146 | 33.680 | 2.488 |
| MN | 3.840 | 0.140 | 4.143 | 2.560 |
| ZN | 0.476 | 0.015 | 0.538 | 3.271 |
| CU | 0.606 | 0.019 | 0.679 | 0.272 |
| PR | | | | 0.396 |
| AL | 124.100 | 13.799 | 169.200 | 197.800 |
| CL | 564.300 | 15.806 | 617.000 | 609.900 |
| BR | 0.647 | 0.008 | 1.151 | 0.943 |
| I | 0.292 | 0.002 | 0.393 | 0.419 |
| F | | | | |
| OH | | | | |
| S04 | 2913.336 | 60.657 | 3198.172 | 2284.584 |
| S203 | 2.337 | 0.051 | 12.761 | 12.896 |
| HC03 | | | | |
| CO3 | | | | |
| ST02 (MG/KG)(RMOL/KG) | 123.957 | 2.062 | 133.858 | 2.229 |
| HR02 | 3.683 | 0.079 | 3.835 | 0.088 |
| H3P04 | 10.946 | 0.112 | 11.112 | 0.113 |
| HAS02 | | | | |
| CO2 | 355.800 | 8.084 | 405.300 | 132.900 |
| H2S | 29.400 | 0.863 | 26.840 | 18.560 |
| RN (*E-10 CURTE/L) | | | | |
| NA/K | 3.579 | 3.524 | 3.299 | 4.111 |
| CA/(HC03+CO3) | | | | |
| MG/CA | 0.371 | 0.638 | 0.680 | 0.622 |
| NA/CA | 0.876 | 0.936 | 1.016 | 0.915 |
| CL/(HC03+CO3) | | | | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | | | | |
| S04*100/(CL+S04+HC03+CO3) | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 42.914 | 42.301 | 44.078 | 41.217 |
| CA*100/(NA+K+CA+MG) | 41.601 | 35.218 | 33.282 | 36.235 |
| MG*100/(NA+K+CA+MG) | 15.445 | 22.480 | 22.640 | 22.549 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 42.914 | 42.301 | 44.078 | 41.217 |
| (CA+MG)*100/(NA+K+CA+MG) | 57.036 | 57.699 | 55.922 | 58.783 |

第 13-2 表 蔵王地域水質一覽表 (つづき)

| NO | ZOC101 | | ZOC102 | | ZOC103 | | ZOC104 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 42.8 | 44.0 | 43.3 | 44.6 | 43.3 | 44.6 | 44.6 | 44.6 |
| TEMP | 2644.000 | 2618.000 | 2622.000 | 2664.000 | 2622.000 | 2664.000 | 2664.000 | 2664.000 |
| TSM | 1.50 | 1.60 | 1.60 | 1.50 | 1.60 | 1.50 | 1.50 | 1.50 |
| PH(FD) | 1.50 | 1.60 | 1.60 | 1.50 | 1.60 | 1.50 | 1.50 | 1.50 |
| PH(CLB) | 1.50 | 1.60 | 1.60 | 1.50 | 1.60 | 1.50 | 1.50 | 1.50 |
| H (MG/KG) (MVAL/KG) | 32.260 | 32.005 | 25.200 | 25.001 | 25.200 | 25.001 | 32.260 | 32.005 |
| K | 45.680 | 1.168 | 46.920 | 1.200 | 47.560 | 1.217 | 48.040 | 1.229 |
| NA | 56.600 | 4.202 | 96.600 | 4.202 | 97.880 | 4.258 | 98.840 | 4.300 |
| NH4 | 52.560 | 4.634 | 110.000 | 5.489 | 105.700 | 5.274 | 104.300 | 5.205 |
| CA | 38.190 | 3.143 | 19.020 | 1.565 | 20.220 | 1.664 | 35.410 | 2.914 |
| MG | 31.100 | 1.114 | 31.360 | 1.123 | 33.480 | 1.199 | 33.840 | 1.212 |
| FE | 4.069 | 0.148 | 3.962 | 0.144 | 4.130 | 0.150 | 3.812 | 0.139 |
| MN | 0.487 | 0.015 | 0.500 | 0.015 | 0.498 | 0.015 | 0.504 | 0.015 |
| ZN | 0.603 | 0.019 | 0.684 | 0.022 | 0.644 | 0.020 | 0.698 | 0.022 |
| CU | 1.0.800 | 14.344 | 235.100 | 26.141 | 216.300 | 24.050 | 156.000 | 17.346 |
| AL | 588.600 | 16.604 | 601.000 | 16.954 | 588.600 | 16.604 | 631.200 | 17.806 |
| CL | 0.711 | 0.009 | 0.991 | 0.012 | 0.687 | 0.009 | 1.247 | 0.016 |
| BR | 0.305 | 0.002 | 0.317 | 0.002 | 0.216 | 0.002 | 0.495 | 0.004 |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | 3008.618 | 62.639 | 2933.112 | 61.067 | 2828.494 | 58.889 | 3147.385 | 65.529 |
| S04 | 11.213 | 0.200 | 16.126 | 0.288 | 12.335 | 0.220 | 12.615 | 0.225 |
| S203 | - | - | - | - | - | - | - | - |
| HC03 | - | - | - | - | - | - | - | - |
| C03 | - | - | - | - | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 119.857 | 1.996 | 119.857 | 1.996 | 121.857 | 2.029 | 121.857 | 2.029 |
| HB02 | 3.648 | 0.083 | 3.899 | 0.089 | 3.834 | 0.087 | 3.888 | 0.089 |
| H3P04 | 10.995 | 0.112 | 11.083 | 0.113 | 11.847 | 0.121 | 11.528 | 0.116 |
| HAS02 | 288.400 | 6.552 | 704.200 | 15.999 | 421.800 | 9.583 | 454.900 | 10.335 |
| C02 | 25.560 | 0.750 | 31.950 | 0.938 | 30.670 | 0.900 | 27.270 | 0.800 |
| H2S | - | - | - | - | - | - | - | - |
| RN (*F-10 CURIE/L) | 3.596 | 3.501 | 3.501 | 3.500 | 3.500 | 3.499 | 3.499 | 3.499 |
| NA/K | - | - | - | - | - | - | - | - |
| CA/(HC03+C03) | 0.678 | 0.285 | 0.285 | 0.315 | 0.807 | 0.560 | 0.826 | 0.560 |
| MG/CA | 0.907 | 0.766 | 0.766 | 0.807 | 0.807 | 0.826 | 0.826 | 0.826 |
| NA/CA | - | - | - | - | - | - | - | - |
| CL/(HC03+C03) | - | - | - | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 40.850 | 43.370 | 43.370 | 44.103 | 44.103 | 40.510 | 40.510 | 40.510 |
| CA*100/(NA+K+CA+MG) | 35.246 | 44.065 | 44.065 | 42.492 | 42.492 | 38.137 | 38.137 | 38.137 |
| MG*100/(NA+K+CA+MG) | 23.904 | 12.565 | 12.565 | 13.405 | 13.405 | 21.352 | 21.352 | 21.352 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 40.850 | 43.370 | 43.370 | 44.103 | 44.103 | 40.510 | 40.510 | 40.510 |
| (CA+MG)*100/(NA+K+CA+MG) | 59.150 | 56.630 | 56.630 | 55.897 | 55.897 | 59.490 | 59.490 | 59.490 |

第13-2表 蔵王地域水質一覧表(つづき)

| NO | 70C105 | | 70C106 | | 70C107 | | 70C108 | |
|----------------------------------|-----------|-----------|---------|---------|---------|---------|---------|---------|
| | 42.5 | 44.2 | 40.3 | 48.5 | 40.3 | 48.5 | 40.3 | 48.5 |
| TEMP | 2,400.000 | 2,924.000 | 716.000 | 476.000 | 716.000 | 476.000 | 716.000 | 476.000 |
| TSM | 1.50 | 1.50 | 8.22 | 8.10 | 8.22 | 8.10 | 8.22 | 8.10 |
| PH(FD) | 1.50 | 1.50 | - | - | - | - | - | - |
| PH(LB) | 1.50 | 1.50 | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | 32.005 | 32.260 | 32.005 | 32.005 | 9.992 | 7.000 | 0.179 | 0.179 |
| K | 1.217 | 46.920 | 1.200 | 1.200 | 164.300 | 131.000 | 5.699 | 5.699 |
| NA | 4.258 | 94.400 | 4.106 | 4.106 | - | - | - | - |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 4.847 | 101.400 | 5.060 | 5.060 | 15.510 | 10.400 | 0.519 | 0.519 |
| MG | 3.080 | 36.110 | 2.971 | 2.971 | 0.251 | 0.941 | 0.077 | 0.077 |
| FE | 1.156 | 31.130 | 1.117 | 1.117 | 2.318 | 0.050 | 0.002 | 0.002 |
| MN | 0.144 | 4.193 | 0.153 | 0.153 | 0.060 | - | - | - |
| ZN | 0.015 | 0.483 | 0.015 | 0.015 | - | - | - | - |
| CU | 0.020 | 0.559 | 0.019 | 0.019 | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 16.212 | 149.800 | 16.656 | 16.656 | - | - | - | - |
| CL | 16.006 | 617.000 | 17.406 | 17.406 | 105.500 | 51.770 | 1.460 | 1.460 |
| BR | 0.310 | 0.999 | 0.013 | 0.013 | 0.600 | - | - | - |
| I | 0.093 | 0.305 | 0.302 | 0.302 | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | 0.027 | 0.022 | 0.001 | 0.001 |
| S04 | 64.560 | 1092.676 | 64.514 | 64.514 | 87.610 | 87.340 | 1.818 | 1.818 |
| S203 | 1.210 | 9.678 | 0.173 | 0.173 | - | - | - | - |
| HC03 | - | - | - | - | 248.500 | 200.600 | 3.288 | 3.288 |
| C03 | - | - | - | - | 2.325 | 1.476 | 0.049 | 0.049 |
| SI02 (MG/%G) (MMP/L/KG) | 119.857 | 129.858 | 2.162 | 2.162 | 59.957 | 89.970 | 1.498 | 1.498 |
| HR02 | 3.737 | 3.921 | 0.089 | 0.089 | 30.452 | 10.628 | 0.243 | 0.243 |
| H3P04 | 11.827 | 12.044 | 0.123 | 0.123 | 0.764 | 0.519 | 0.005 | 0.005 |
| HAS02 | - | - | - | - | 0.485 | 0.005 | 0.009 | 0.009 |
| C02 | 283.600 | 143.200 | 3.254 | 3.254 | 3.763 | 0.386 | 0.009 | 0.009 |
| H2S | 26.410 | 24.710 | 0.725 | 0.725 | - | - | - | - |
| RN (*E-10 CHRT/E/L) | - | - | - | - | 0.149 | 3.992 | - | - |
| NA/K | 3.590 | 3.421 | 27.962 | 27.962 | 31.825 | 31.825 | 0.156 | 0.156 |
| CA/(HC03+C03) | 0.635 | 0.587 | 0.665 | 0.665 | 10.981 | 10.981 | 0.438 | 0.438 |
| NA/CA | 0.878 | 0.812 | 9.235 | 9.235 | 0.717 | 0.717 | - | - |
| CL/(HC03+C03) | - | - | - | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - | 33.251 | 22.075 | 22.075 | 22.075 |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - | 20.379 | 27.686 | 27.686 | 27.686 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - | 46.370 | 50.440 | 50.440 | 50.440 |
| (NA+K)*100/(NA+K+CA+MG) | 40.848 | 39.786 | 85.176 | 85.176 | 85.176 | 90.788 | 90.788 | 90.788 |
| CA*100/(NA+K+CA+MG) | 56.159 | 37.936 | 8.905 | 8.905 | 8.905 | 8.016 | 8.016 | 8.016 |
| MG*100/(NA+K+CA+MG) | 2.983 | 22.278 | 5.919 | 5.919 | 5.919 | 1.196 | 1.196 | 1.196 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | 53.630 | 53.630 | 53.630 | 49.560 | 49.560 | 49.560 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | 46.370 | 46.370 | 46.370 | 50.440 | 50.440 | 50.440 |
| (NA+K)*100/(NA+K+CA+MG) | 40.848 | 39.786 | 85.176 | 85.176 | 85.176 | 90.788 | 90.788 | 90.788 |
| (CA+MG)*100/(NA+K+CA+MG) | 59.152 | 60.214 | 14.824 | 14.824 | 14.824 | 9.212 | 9.212 | 9.212 |

第13-2表 蔵王地域水質一覽表 (つづき)

| NO | ZOC109 | | | ZOC110 | | | ZOC111 | | | ZOC112 | | |
|----------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| | TEMP | TSM | PH(LR) | TEMP | TSM | PH(LR) | TEMP | TSM | PH(LR) | TEMP | TSM | PH(LR) |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 10.000 | 0.256 | - | 15.000 | 0.384 | - | 12.000 | 0.307 | - | 36.400 | 0.931 | - |
| NA | 315.700 | 13.703 | - | 212.500 | 9.244 | - | 152.500 | 6.634 | - | 553.000 | 24.056 | - |
| NH4 | 0.800 | 0.044 | - | - | - | - | 0.300 | 0.017 | - | - | - | - |
| CA | 12.400 | 1.617 | - | 27.000 | 1.347 | - | 9.600 | 0.479 | - | 32.600 | 1.627 | - |
| MG | 3.763 | 0.310 | - | 9.643 | 0.794 | - | 3.058 | 0.252 | - | 25.400 | 2.090 | - |
| FE | 2.200 | 0.079 | - | 0.580 | 0.021 | - | 0.440 | 0.016 | - | 6.000 | 0.215 | - |
| MN | - | - | - | 0.000 | 0.003 | - | - | - | - | - | - | - |
| ZN | 9.230 | 0.007 | - | - | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | - | - | - | - | 0.320 | 0.036 | - |
| CL | 154.300 | 4.635 | - | 115.600 | 3.261 | - | 57.440 | 1.620 | - | 336.800 | 9.501 | - |
| BR | - | - | - | - | - | - | - | - | - | 1.200 | 0.015 | - |
| I | - | - | - | - | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - | - | - | - | - |
| OH | 0.007 | 0.002 | - | 0.054 | 0.003 | - | 0.043 | 0.003 | - | - | - | - |
| S04 | 120.000 | 2.498 | - | 12.350 | 0.257 | - | 79.010 | 1.645 | - | 759.200 | 15.807 | - |
| S203 | - | - | - | - | - | - | - | - | - | - | - | - |
| HC03 | 554.700 | 9.092 | - | 468.600 | 7.680 | - | 237.400 | 3.891 | - | 221.300 | 3.627 | - |
| CO3 | 5.101 | 0.170 | - | 5.533 | 0.184 | - | 3.499 | 0.117 | - | 1.002 | 0.033 | - |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | | | | | |
| HR02 | 64.014 | 1.066 | - | 84.008 | 1.399 | - | 110.016 | 1.832 | - | 40.002 | 0.666 | - |
| H3PO4 | 1.260 | 0.485 | - | 10.628 | 0.243 | - | 11.338 | 0.259 | - | 34.734 | 0.793 | - |
| HAS02 | 0.411 | 0.004 | - | 0.892 | 0.009 | - | 0.470 | 0.005 | - | - | - | - |
| CO2 | 0.168 | 0.001 | - | - | - | - | 0.226 | 0.002 | - | 0.259 | 0.002 | - |
| H2S | 3.252 | 0.187 | - | 5.633 | 0.128 | - | 2.264 | 0.052 | - | 6.914 | 0.157 | - |
| RN (*E-10 CHPIE/L) | 0.192 | 2.325 | - | - | - | - | - | 0.557 | - | 0.465 | - | - |
| NA/K | 53.567 | 24.091 | - | 24.091 | 21.611 | - | 21.611 | 25.835 | - | 25.835 | - | - |
| CA/(HC03+CO3) | 0.175 | 0.171 | - | 0.171 | 0.120 | - | 0.120 | 0.444 | - | 0.444 | - | - |
| MG/CA | 0.192 | 0.589 | - | 0.589 | 0.525 | - | 0.525 | 1.285 | - | 1.285 | - | - |
| NA/CA | 3.475 | 6.861 | - | 6.861 | 13.848 | - | 13.848 | 14.788 | - | 14.788 | - | - |
| CL/(HC03+CO3) | 0.500 | 0.415 | - | 0.415 | 0.404 | - | 0.404 | 2.596 | - | 2.596 | - | - |
| CL/F | - | - | - | - | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 38.270 | 28.649 | - | 28.649 | 22.279 | - | 22.279 | 32.799 | - | 32.799 | - | - |
| S04*100/(CL+S04+HC03+CO3) | 15.239 | 11.449 | - | 11.449 | 22.618 | - | 22.618 | 54.565 | - | 54.565 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 56.491 | 69.092 | - | 69.092 | 53.103 | - | 53.103 | 12.636 | - | 12.636 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 87.873 | 81.809 | - | 81.809 | 90.475 | - | 90.475 | 87.051 | - | 87.051 | - | - |
| CA*100/(NA+K+CA+MG) | 10.178 | 11.449 | - | 11.449 | 6.244 | - | 6.244 | 5.667 | - | 5.667 | - | - |
| MG*100/(NA+K+CA+MG) | 1.919 | 6.743 | - | 6.743 | 3.280 | - | 3.280 | 7.282 | - | 7.282 | - | - |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 43.509 | 30.908 | - | 30.908 | 44.897 | - | 44.897 | 87.364 | - | 87.364 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 56.491 | 69.092 | - | 69.092 | 53.103 | - | 53.103 | 12.636 | - | 12.636 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 87.873 | 81.809 | - | 81.809 | 90.475 | - | 90.475 | 87.051 | - | 87.051 | - | - |
| (CA+MG)*100/(NA+K+CA+MG) | 12.127 | 18.191 | - | 18.191 | 9.525 | - | 9.525 | 12.949 | - | 12.949 | - | - |

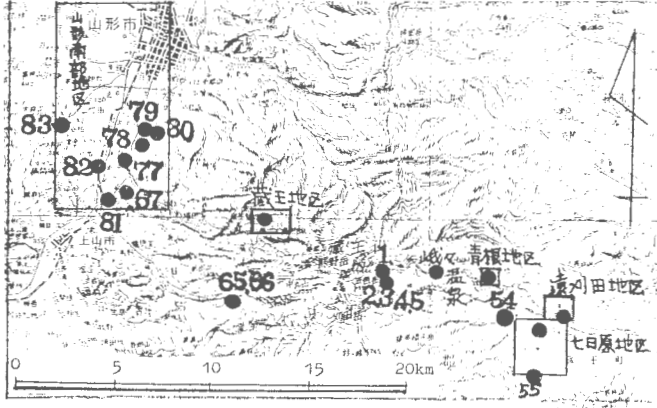
第13-2表 蔵王地域水質一覽表 (つづき)

| | ZOC113 | ZOC114 | ZOC115 |
|---|----------|---------|----------|
| NO | 55.1 | 41.0 | 61.8 |
| TEMP | 534.000 | 558.000 | 1618.000 |
| TSM | 8.51 | 8.49 | 6.50 |
| PH(FD) | - | - | - |
| PH(CB) | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - |
| K | 12.0000 | 4.020 | 37.600 |
| NA | 140.0000 | 158.500 | 516.000 |
| NH4 | - | 0.220 | 0.012 |
| CA | 2.6000 | 86.400 | 35.600 |
| MG | 1.764 | 3.888 | 5.880 |
| FE | 0.356 | 5.400 | 1.025 |
| MN | - | 0.038 | 0.001 |
| ZN | - | 1.331 | 0.041 |
| CU | - | - | - |
| PR | - | - | - |
| AL | - | - | - |
| CL | 56.730 | 16.310 | 328.600 |
| BR | - | - | - |
| I | - | - | - |
| F | 0.054 | 0.370 | 0.046 |
| SO4 | 3.820 | 0.136 | 0.008 |
| S203 | - | 327.100 | 6.810 |
| HCO3 | 1.9.750 | - | 308.000 |
| CO3 | 3.499 | 11.280 | 590.500 |
| SI02 (MG/KG) (MMOL/KG) | 1.9.071 | 22.498 | 54.002 |
| HR02 | 9.923 | 3.896 | 42.519 |
| H3PO4 | 1.136 | 0.012 | 0.186 |
| HASO2 | 0.172 | 0.602 | 1.411 |
| CO2 | 1.417 | 0.032 | 454.200 |
| H2S | - | - | - |
| RN (*F=10 CUR/F/L) | 0.120 | 1.617 | 2.916 |
| NA/K | 18.423 | 67.049 | 23.337 |
| CA/(HCO3+CO3) | 0.133 | 0.969 | 0.184 |
| MG/CA | 0.338 | 0.074 | 0.272 |
| NA/CA | 17.178 | 1.599 | 12.635 |
| CL/(HCO3+CO3) | 0.495 | 0.103 | 0.958 |
| CL/F | - | 10.047 | - |
| CL*10 ⁰ /(CL+SO4+HCO3+CO3) | 0.3.969 | 3.926 | 36.552 |
| SO4*10 ⁰ /(CL+SO4+HCO3+CO3) | 27.716 | 58.104 | 25.285 |
| (HCO3+CO3)*10 ⁰ /(CL+SO4+HCO3+CO3) | 48.315 | 37.971 | 33.163 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 91.214 | 60.174 | 91.194 |
| CA*10 ⁰ /(NA+K+CA+MG) | 6.556 | 37.075 | 6.921 |
| MG*10 ⁰ /(NA+K+CA+MG) | 2.221 | 2.751 | 1.885 |
| (CL+SO4)*10 ⁰ /(CL+SO4+HCO3+CO3) | 51.635 | 62.029 | 61.837 |
| (HCO3+CO3)*10 ⁰ /(CL+SO4+HCO3+CO3) | 48.315 | 37.971 | 38.163 |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | 91.214 | 60.174 | 91.194 |
| (CA+MG)*10 ⁰ /(NA+K+CA+MG) | 8.786 | 39.826 | 8.806 |

第13-3表 特定成分含量の頻度分布表

| FREQUENCY DATA OF Zn, Cu, Pb, As AND H2S | | | | | |
|--|-------|----------------------|--------|-------|-----------------|
| Zn | N | F(%) | Cu | N | F(%) |
| ND | 55 | 56.5 | ND | 80 | 69.6 |
| <0.500 | 34 | 29.5 | <0.300 | 4 | 3.5 |
| <5.000 | 16 | 13.9 | <3.000 | 31 | 27.0 |
| >5.000 | 3 | 0. | >3.000 | 1 | 0. |
| TOTAL | 115 | 100.0 | TOTAL | 115 | 100.0 |
| Pb | | | | | |
| N | F(%) | AS | N | F(%) | |
| 115 | 100.0 | ND | 66 | 57.4 | |
| <0.100 | 0 | <0.050 | 6 | 5.2 | |
| <1.000 | 0 | <0.500 | 24 | 20.9 | |
| >1.000 | 0 | <5.000 | 19 | 16.5 | |
| TOTAL | 115 | 100.0 | >5.000 | 0 | 0. |
| H2S | | | | | |
| N | F(%) | NE NUMBER OF SAMPLES | N | F(%) | F= FREQUENCY(%) |
| 80 | 69.6 | < 1.000 | 1 | 0.0 | |
| <10.000 | 1 | < 10.000 | 1 | 0.0 | |
| <100.000 | 33 | <100.000 | 33 | 28.7 | |
| >100.000 | 0 | >100.000 | 0 | 0. | |
| TOTAL | 115 | TOTAL | 115 | 100.0 | |

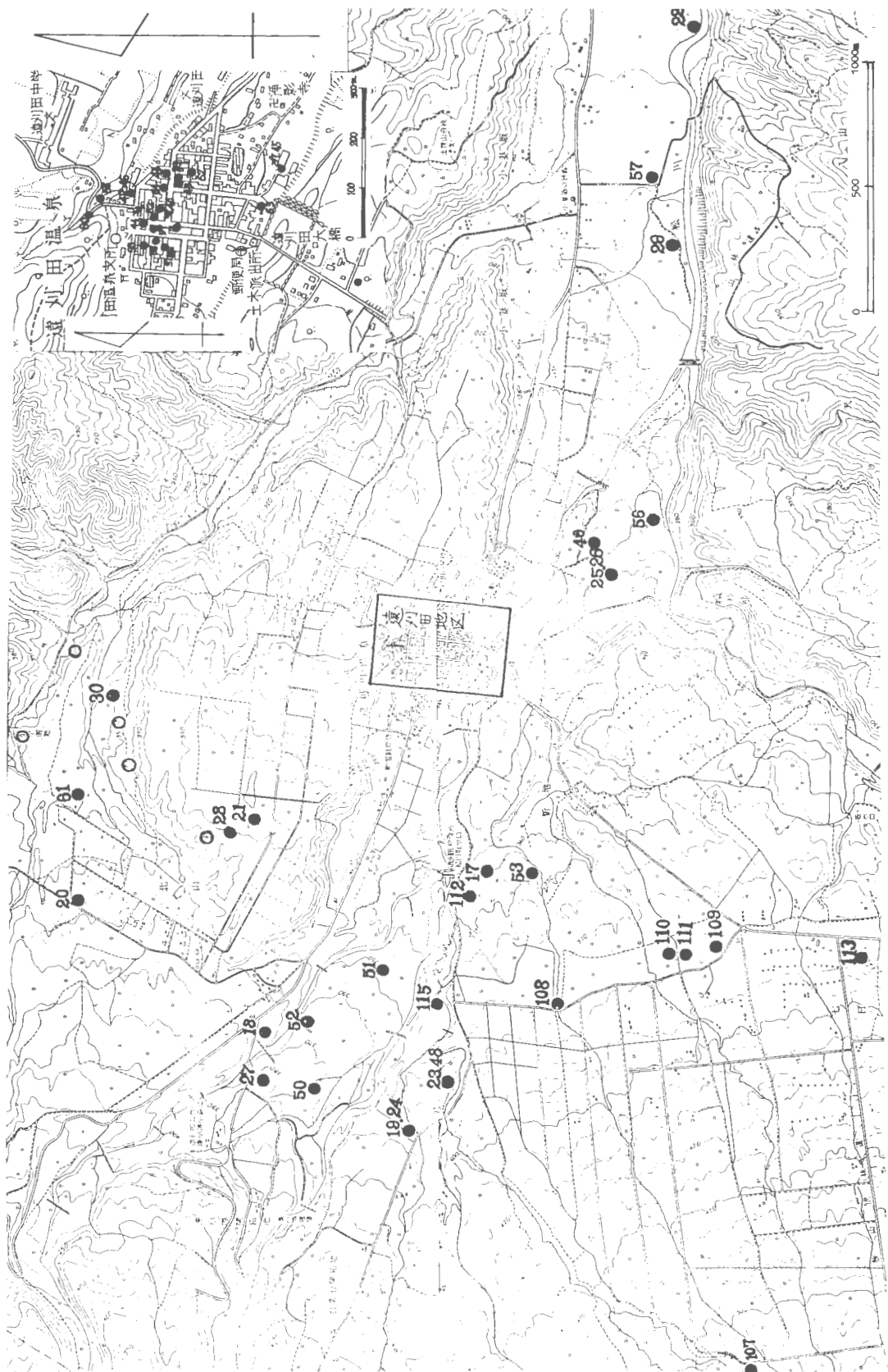
第13-1図 蔵王地域における温泉の分布および試料採取地



第13-2図 試料採取地（青根地区）



第13-314 試料採取地(遠刈田周辺) (右上は遠刈田地区拡大図)

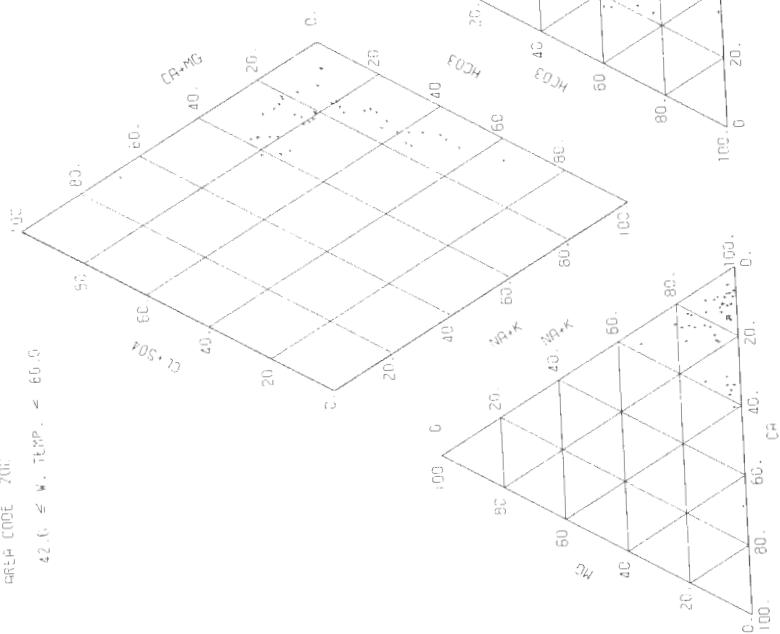


第13-7図 蔵王地蔵水質組成図（その3）（水温42℃以上60℃未満）

ZF5

AREA CODE Z0C

42.0 ≤ W. TEMP. < 60.0

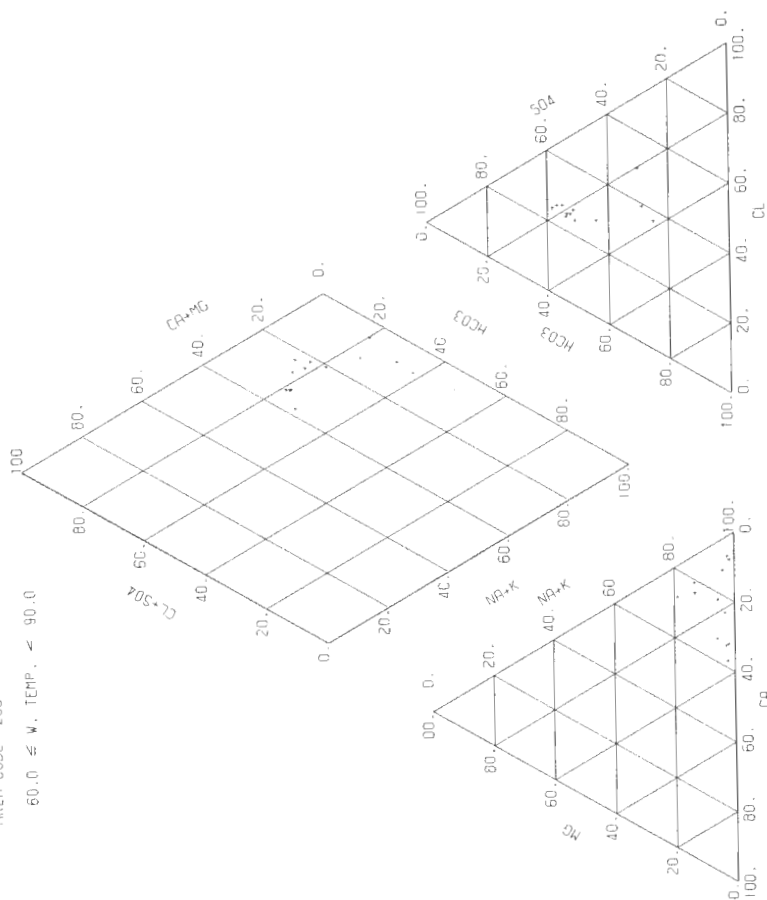


第13-7図 蔵王地蔵水質組成図（その4）（水温60℃以上90℃未満）

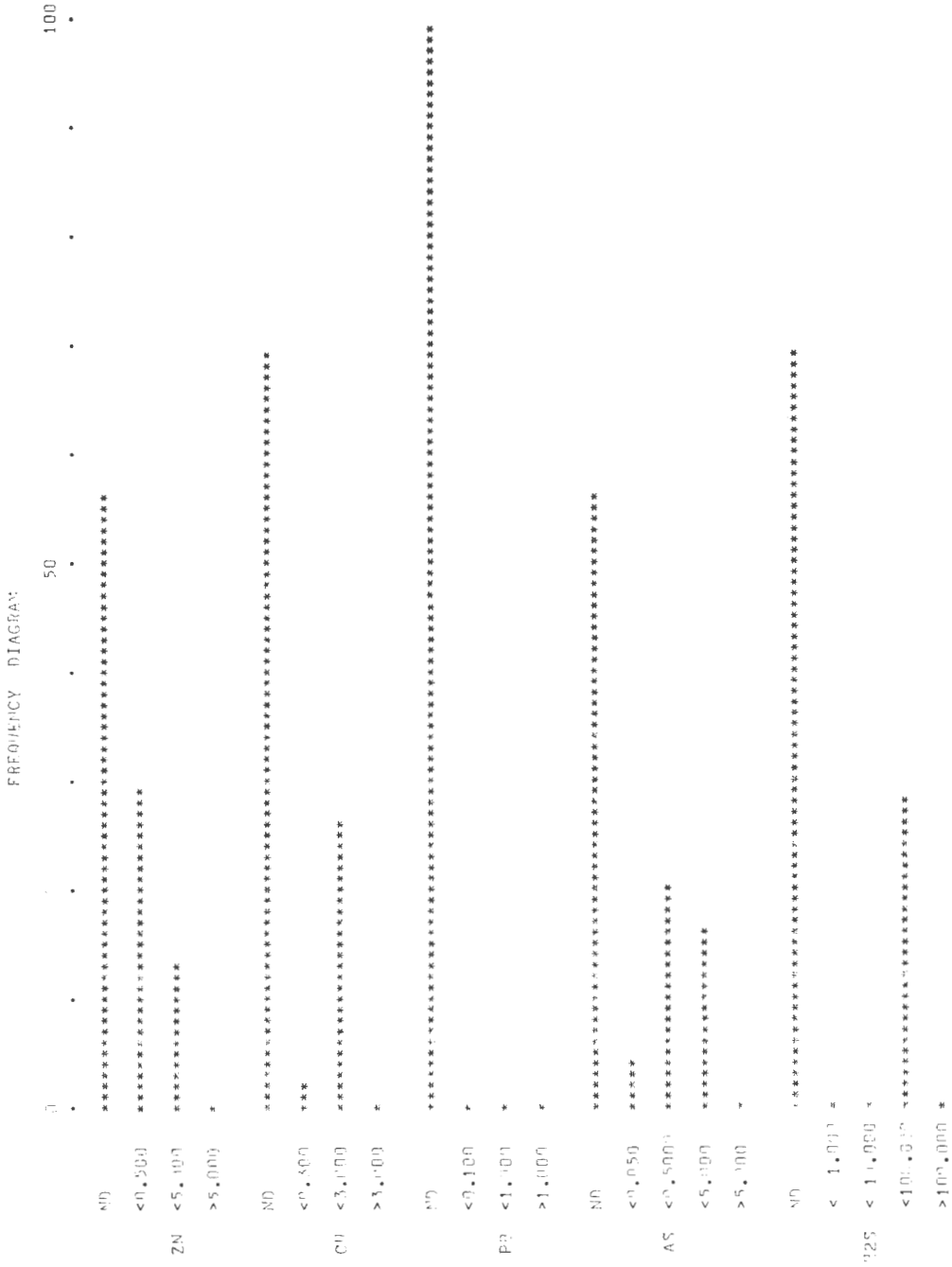
ZF0

AREA CODE Z0C

60.0 ≤ W. TEMP. < 90.0



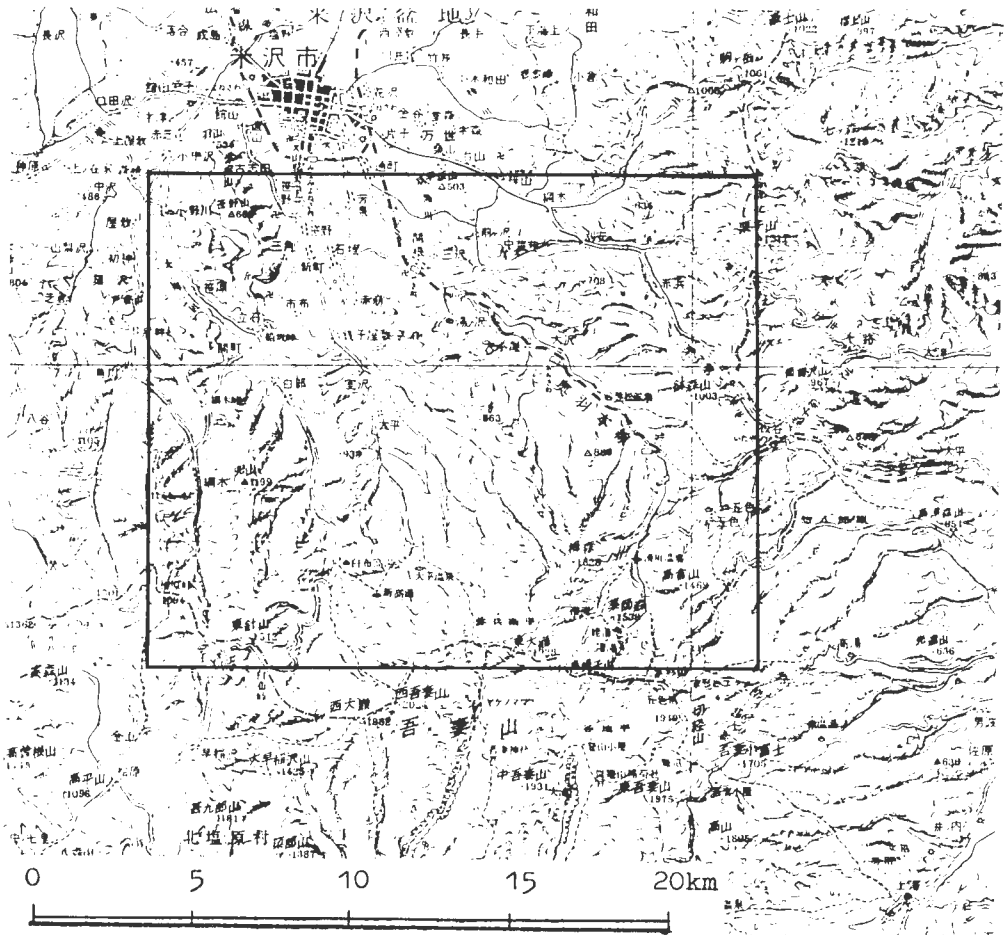
第13-8図 蔵王地域特定成分含量の頻度分布図



14. 吾妻北部 Northern part of Azuma

位置 山形県米沢市
 データ数 60
 収集・整理 阿部智彦・比留川 貴
 協力 山形県衛生研究所

調査位置図 (20万分の1地勢図 福島)



第14-1表 吾妻北部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備 | 考 |
|-------|----------------|-------|--------------|-------------|-------|-----------|---------|-----------------|
| ANC-1 | 山形県米沢市小野川町2430 | 小野川温泉 | 河鹿荘 | 1959. 1. 26 | 76 | 衛研第1559号 | | Q=21.6l/m, P, X |
| " -2 | " | " | つる | 1950.11. 9 | " | 衛試 68号 | | |
| " -3 | " | " | 扇屋 | " 11. 9 | " | " 70号 | | Q=33.0l/m, P |
| " -4 | " | " | (山口秀一) | 1961. 6. 23 | " | 衛研第 818号 | D=0m, | Q=18.0l/m, F |
| " -5 | " | " | 山小屋 | 1950.11.10 | " | 衛試 78号 | | Q=50.0l/m, F |
| " -6 | " | " | 旭屋(新) | 1959. 1. 26 | " | 衛研第1598号 | | Q=13.5l/m, F |
| " -7 | " | " | 滝湯共同浴場 | 1950.11.11 | " | 衛試 88号 | | Q=22.0l/m, F |
| " -8 | " | " | 旭屋 | " 11.10 | " | " 79号 | | Q=18.0l/m, F |
| " -9 | " | " | 協組 1号 | 1968. 5. 22 | " | 衛研第1174号 | D=3.6m, | Q=657l/m, P, X |
| " -10 | " | " | 協組 3号 | 1972.11.29 | " | " 13007号 | | P, X |
| " -11 | " | " | 坂本屋 | 1950.11. 9 | " | 衛試 66号 | | Q=40.0l/m, P |
| " -12 | " | " | 尾湯共同浴場 | " 11. 9 | " | " 69号 | | Q=28.0l/m, P |
| " -13 | " | " | 界屋(新) | 1961. 6. 23 | " | 衛研第 819号 | | Q=20.0l/m, P |
| " -14 | " | " | 春木屋 | 1950.11.10 | " | 衛試 71号 | | Q=25.0l/m, P |
| " -15 | " | " | 春木屋2号 | 1959. 9. 14 | " | 衛研第1532号 | D=0m, | F, X |
| " -16 | " | " | 亀屋 | 1950.11.10 | " | 衛試 72号 | | Q=9.0l/m, F |
| " -17 | " | " | 龟屋(新) | 1959. 1. 26 | " | 衛研第1600号 | | Q=23.6l/m, P |
| " -18 | " | " | 穴戸屋 | 1950.11.10 | " | 衛試 73号 | | Q=20.0l/m, F |
| " -19 | " | " | 芳賀 | 1961. 6. 24 | " | 衛研第 817号 | D=0m, | Q=3.6l/m, F |
| " -20 | " | " | 塚屋 | 1950.11.10 | " | 衛試 74号 | | |
| " -21 | " | " | やながはま屋 | " 11.10 | " | " 75号 | | Q=36.0l/m, F |
| " -22 | " | " | 八木沢 | 1961. 6. 24 | " | 衛研第 814号 | D=0m, | Q=10.0l/m, F |
| " -23 | " | " | (関谷三男) | " 6. 23 | " | " 815号 | D=0m, | F |
| " -24 | " | " | 協組 2号 | 1968. 5. 22 | " | 衛研第1175号 | D=1.8m, | Q=50.0l/m, F, X |
| " -25 | " | " | 丸宮屋 | 1950.11.10 | " | 衛試 77号 | | Q=13.0l/m, F |
| " -26 | " | " | 豆腐屋2号 | 1961.12.14 | " | 衛研第1694号 | D=0m, | F, X |
| " -27 | " | " | 梅屋 | 1950.11.10 | " | 衛試 81号 | | Q=37.0l/m, P |
| " -28 | " | " | 不二の湯 | " 11.10 | " | " 82号 | | X |
| " -29 | " | " | 登府屋 | " 11.10 | " | " 80号 | | Q=25.0l/m, P |
| " -30 | " | " | (丸山信一) | " 11.11 | " | " 84号 | | X |
| " -31 | " | " | 小野川ホテル | " 11.10 | " | " 76号 | | Q=27.0l/m, P |
| " -32 | " | " | (加藤又雄) | 1961. 6. 24 | " | 衛研第 816号 | D=0m, | Q=9.0l/m, F |
| " -33 | " | " | 高砂屋 | 1950.11. 9 | " | 衛試 67号 | | Q=19.0l/m, P |
| " -34 | " | " | 湯の沢温泉 | 1969. 5. 20 | " | 衛研第 668号 | | F |
| " -35 | " | " | 笠松温泉 | 1950.11.27 | " | 衛試 100号 | | F |
| " -36 | " | " | " | 1969. 5. 20 | " | 衛研第 667号 | | F |
| " -37 | " | " | 赤滝温泉 (江川喜兵衛) | 1961. 7. 25 | " | " 896号 | | Q=54l/m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|--------|-------------|-------|----------|----------|------------|-------|-----------|--------------------|
| ANC-38 | 山形県米沢市板谷498 | 五色温泉 | 五色1号 | 五色1号 | 1951.10.18 | 76 | 衛試 34号 | Q=37l/m, F |
| " | " | " | " | " | 1968. 8.26 | " | 衛研第1167号 | D=0m, F |
| " | " | " | 五色2号 | 五色2号 | 1951.10.18 | " | 衛試 35号 | Q=18.5l/m, F |
| " | " | " | " | " | 1968. 8.26 | " | 衛研第1168号 | D=0m, F |
| " | " | " | 新五色 | 新五色 | " 8.26 | " | " 1169号 | D=0m, F |
| " | " | " | " | " | 1951.10.18 | " | 衛試 36号 | Q=73.0l/m, F |
| " | " | 滑川温泉 | 上の湯 | 上の湯 | 1968. 6.20 | " | 衛研第1170号 | D=0m, F |
| " | " | " | " | " | 1949. 8.30 | " | 衛試 1480号 | Q=143l/m, F |
| " | " | " | 下の湯 | 下の湯 | 1968. 6.20 | " | 衛研第1171号 | D=0m, F |
| " | " | " | " | " | 1949. 8.31 | " | 衛試 1481号 | Q=44.4l/m, F |
| " | " | 姥湯温泉 | 利用泉 | 利用泉 | 1968. 6.19 | " | 衛研第1172号 | Q=990l/m, F |
| " | " | " | (遠藤金太郎) | (遠藤金太郎) | 1949. 9. 2 | " | 衛試 1842号 | F |
| " | " | 吾妻温泉 | (安部はつ)号 | (安部はつ)号 | 1950. 7.20 | " | " 902号 | Q=41.5l/m, F |
| " | " | 白布温泉 | 1号 | 1号 | 1967.12. 7 | " | 衛研第 31号 | Q=950l/m, F |
| " | " | " | " | " | 1950. 7.17 | " | 衛試 691号 | |
| " | " | " | 2号 | 2号 | 1967.12. 7 | " | 衛研第 32号 | Q=1040l/m, F |
| " | " | " | " | " | 1950. 7.17 | " | 衛試 692号 | |
| " | " | " | 3号 | 3号 | 1967.12. 7 | " | 衛研第 33号 | D=0m, Q=333l/m, F |
| " | " | " | " | " | 1950. 7.17 | " | 衛試 693号 | |
| " | " | 新高湯温泉 | (安部又右エ門) | (安部又右エ門) | 1967.12. 7 | " | 衛研第 34号 | D=0m, F |
| " | " | " | " | " | 1950. 7.18 | " | 衛試 694号 | |
| " | " | 大平温泉 | 大平 | 大平 | 1968. 7.26 | " | 衛研第1173号 | D=0m, F |
| " | " | " | 瀧見屋 | 瀧見屋 | 1950. 9.16 | " | 衛試 901号 | D=0m, Q=38.5l/m, F |

源泉名の()は申請者名,

備考欄のDは深度(m), Qは湧・湧水量(l/m), Pはポンプ揚水, Fは自噴, D=0m……Fは源泉位置不明を示す.

第14-2表 吾妻北部地域水質一覽表

| NO | ANC 1 | ANC 2 | ANC 3 | ANC 4 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 73.3 | 65.0 | 64.1 | 69.1 |
| TSM | 5480.000 | 5557.000 | 5846.000 | 5899.000 |
| PH(FD) | 7.00 | 6.90 | 6.80 | 6.90 |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 124.400 | 120.900 | 129.500 | 138.100 |
| NA | 1467.000 | 1468.000 | 1572.000 | 1580.000 |
| NH4 | - | - | - | - |
| CA | 478.600 | 504.200 | 508.600 | 504.700 |
| MG | 9.828 | 10.670 | 8.402 | 9.861 |
| FF | 0.869 | 1.340 | 1.787 | 2.127 |
| MN | 0.550 | 0.539 | 0.549 | 0.801 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.053 | 1.593 | 1.616 | 2.075 |
| CL | 3145.000 | 3161.000 | 3337.000 | 3348.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 82.300 | 108.600 | 91.350 | 100.600 |
| S2O3 | 0.627 | 0.194 | 0.190 | 0.401 |
| HC03 | 98.030 | 103.800 | 116.300 | 118.900 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMDL/KG) | - | - | - | - |
| H802 | 94.855 | 104.163 | 107.856 | 109.010 |
| H3P04 | 16.200 | 16.190 | 17.030 | 22.560 |
| HAS02 | - | - | - | - |
| CO2 | 50.910 | 19.510 | 26.410 | 65.120 |
| H2S | 7.760 | 4.676 | 5.328 | 5.650 |
| RN (*F-10 CURIE/L) | - | 12.875 | 11.153 | - |
| NA/K | 20.054 | 20.648 | 20.643 | 19.456 |
| CA/(HC03+CO3) | 14.564 | 14.789 | 13.314 | 12.923 |
| MG/CA | 0.034 | 0.035 | 0.027 | 0.032 |
| NA/CA | 2.672 | 2.538 | 2.694 | 2.729 |
| CL/(HC03+CO3) | 55.219 | 52.414 | 49.386 | 48.465 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 96.393 | 95.746 | 96.112 | 95.895 |
| S04*100/(CL+S04+HC03+CO3) | 1.862 | 2.428 | 1.942 | 2.127 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.746 | 1.827 | 1.946 | 1.979 |
| (NA+K)*100/(NA+K+CA+MG) | 73.071 | 71.999 | 73.334 | 73.543 |
| CA*100/(NA+K+CA+MG) | 26.047 | 27.057 | 25.959 | 25.631 |
| MG*100/(NA+K+CA+MG) | 0.882 | 0.944 | 0.707 | 0.826 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 98.254 | 98.173 | 98.054 | 98.021 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.746 | 1.827 | 1.946 | 1.979 |
| (NA+K)*100/(NA+K+CA+MG) | 73.071 | 71.999 | 73.334 | 73.543 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.929 | 28.001 | 26.666 | 26.437 |

第14-2表 吾妻北部地域水質一覧表(つづき)

| NO | ANC 5 | ANC 6 | ANC 7 | ANC 8 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 57.5 | 65.2 | 69.5 | 62.4 |
| TSM | 5614.000 | 5887.000 | 5732.000 | 5660.000 |
| PH(FD) | 7.00 | 6.60 | 6.90 | 7.00 |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 121.300 | 3.103 | 3.458 | 3.162 |
| NA | 1501.000 | 65.294 | 135.200 | 123.600 |
| NH4 | - | - | 1588.000 | 1553.000 |
| CA | 47.060 | 24.301 | 519.300 | 491.201 |
| MG | 10.070 | 0.429 | 5.897 | 0.485 |
| FE | 1.633 | 0.058 | 0.845 | 0.030 |
| MN | 0.695 | 0.025 | 0.716 | 1.787 |
| ZN | - | - | 0.550 | 0.659 |
| CU | - | - | - | 0.024 |
| PB | - | - | - | - |
| AL | 1.593 | 0.177 | - | - |
| CL | - | 1.230 | - | - |
| BR | 3193.000 | 90.075 | 1.719 | 0.191 |
| I | - | - | 3286.000 | 3232.000 |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 79.420 | 1.654 | 2.313 | 1.686 |
| S203 | 9.183 | 0.003 | 0.011 | 0.003 |
| HC03 | 118.680 | 1.944 | 1.513 | 1.803 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 123.857 | 2.062 | 101.855 | 112.702 |
| HB02 | 16.190 | 0.369 | 17.030 | 14.350 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 26.000 | 0.591 | 26.310 | 29.480 |
| H2S | 5.273 | 0.155 | 8.310 | 5.478 |
| RN (*F-10 CURIE/L) | 23.653 | - | 26.506 | 30.773 |
| NA/K | 21.043 | 19.974 | 21.367 | 20.350 |
| CA/(HC03+CO3) | 12.502 | 17.131 | 13.595 | 13.960 |
| MG/CA | 0.034 | 0.019 | 0.033 | 0.030 |
| NA/CA | 2.687 | 2.666 | 2.756 | 2.588 |
| CL/(HC03+CO3) | 46.338 | 62.942 | 51.416 | 50.388 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 96.160 | 96.137 | 96.362 | 96.210 |
| S04*100/(CL+S04+HC03+CO3) | 1.765 | 2.336 | 1.763 | 1.880 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.075 | 1.527 | 1.874 | 1.909 |
| (NA+K)*100/(NA+K+CA+MG) | 73.131 | 73.317 | 73.642 | 72.502 |
| CA*100/(NA+K+CA+MG) | 25.985 | 26.192 | 25.524 | 26.699 |
| MG*100/(NA+K+CA+MG) | 0.886 | 0.490 | 0.834 | 0.799 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97.925 | 98.473 | 98.126 | 98.091 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.075 | 1.527 | 1.874 | 1.909 |
| (NA+K)*100/(NA+K+CA+MG) | 73.131 | 73.317 | 73.642 | 72.502 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.869 | 26.683 | 26.358 | 27.498 |

第14-2表 吉妻北部地域水質一覧表 (つづき)

| | ANC 9 | ANC 10 | ANC 11 | ANC 12 |
|----------------------------------|----------|----------|----------|----------|
| NO | 74.3 | 75.0 | 72.9 | 74.1 |
| TEMP | 5594.000 | 5473.000 | 5439.000 | 5557.000 |
| TSM | 6.80 | 7.00 | 6.70 | 6.90 |
| PH(FD) | 6.80 | 7.00 | 6.70 | 6.90 |
| PH(CLB) | 6.80 | 7.00 | 6.70 | 6.90 |
| H (MG/KG) (MIVAL/KG) | | | | |
| K | 130.300 | 136.000 | 133.000 | 129.300 |
| NA | 1530.000 | 1519.000 | 1563.000 | 1548.000 |
| NH4 | 1.150 | 0.064 | 0.064 | 0.064 |
| CA | 432.600 | 402.800 | 505.700 | 526.300 |
| MG | 18.470 | 0.850 | 0.070 | 0.813 |
| FE | 0.045 | 0.240 | 1.787 | 0.064 |
| MN | 0.490 | 0.368 | 0.659 | 0.024 |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 1.542 | 2.500 | 1.616 | 1.616 |
| CL | 3209.000 | 3079.000 | 3317.000 | 3316.000 |
| BR | 7.232 | 9.310 | 0.117 | 93.573 |
| I | 0.885 | 0.444 | 0.003 | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 83.120 | 74.500 | 100.800 | 107.400 |
| S2O3 | 1.053 | 1.110 | 0.154 | 0.215 |
| HC03 | 70.030 | 100.400 | 118.200 | 135.800 |
| CO3 | — | — | — | — |
| ST02 (MG/KG) (MMOL/KG) | 78.973 | 107.456 | 113.087 | 108.625 |
| HB02 | 34.017 | 21.257 | 17.030 | 14.350 |
| H3P04 | — | — | — | — |
| HAS02 | — | 0.291 | 0.003 | — |
| CO2 | 26.930 | 24.130 | 27.240 | 28.820 |
| H2S | 5.253 | 4.101 | 4.942 | 5.620 |
| RN (*F-I) CURIE/L) | — | — | 13.355 | 14.935 |
| NA/K | 19.968 | 18.994 | 19.985 | 20.359 |
| CA/(HC03+CO3) | 18.798 | 12.215 | 13.026 | 11.799 |
| MG/CA | 0.070 | 0.003 | 0.032 | 0.030 |
| NA/CA | 3.085 | 3.287 | 2.694 | 2.564 |
| CL/(HC03+CO3) | 78.870 | 52.784 | 48.301 | 42.028 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 96.818 | 96.450 | 95.865 | 95.447 |
| S04*100/(CL+S04+HC03+CO3) | 1.853 | 1.722 | 2.150 | 2.282 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.229 | 1.827 | 1.985 | 2.271 |
| (NA+K)*100/(NA+K+CA+MG) | 75.161 | 77.521 | 73.268 | 72.304 |
| CA*100/(NA+K+CA+MG) | 23.205 | 22.401 | 25.897 | 26.879 |
| MG*100/(NA+K+CA+MG) | 1.635 | 0.078 | 0.834 | 0.817 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 98.771 | 98.173 | 98.015 | 97.729 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.229 | 1.827 | 1.985 | 2.271 |
| (NA+K)*100/(NA+K+CA+MG) | 75.161 | 77.521 | 73.268 | 72.304 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.839 | 22.479 | 26.732 | 27.696 |

第14-2表 音楽北部地域水質一覽表(つづき)

| | ANC 13 | ANC 14 | ANC 15 | ANC 16 |
|----------------------------------|----------|----------|----------|----------|
| NO | 67.5 | 71.5 | 71.8 | 61.0 |
| TEMP | 5834.000 | 5759.000 | 5755.000 | 4912.000 |
| TSM | 6.92 | 7.20 | 6.90 | 6.90 |
| PH(FD) | | | | |
| PH(CLB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 136.400 | 3.489 | 115.300 | 2.949 |
| NA | 1571.000 | 66.139 | 1515.000 | 65.903 |
| NH4 | | | | |
| CA | 509.700 | 25.434 | 525.500 | 26.222 |
| MG | 10.250 | 0.843 | 8.350 | 0.687 |
| FE | 2.078 | 0.074 | 1.780 | 0.064 |
| MN | 0.772 | 0.028 | 0.550 | 0.020 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 2.248 | 0.250 | 1.620 | 0.180 |
| CL | 3319.000 | 93.629 | 3227.000 | 91.034 |
| BR | | | | |
| T | | | | |
| F | | | | |
| OH | | | | |
| S04 | 125.600 | 2.815 | 90.240 | 1.879 |
| S203 | 0.206 | 0.004 | 0.207 | 0.004 |
| HC03 | 128.100 | 2.100 | 179.600 | 2.944 |
| C03 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 104.933 | 1.747 | 116.549 | 1.901 |
| H3P04 | 20.770 | 0.474 | 17.000 | 0.388 |
| HAS02 | | | | |
| C02 | 70.400 | 1.599 | 50.820 | 1.155 |
| H2S | 6.290 | 0.125 | 8.501 | 0.250 |
| RN (*F=10 CURIE/L) | | 12.503 | | 17.348 |
| NA/K | 19.586 | 22.473 | 22.345 | 20.569 |
| CA/(HC03+C03) | 12.114 | 13.552 | 8.908 | 12.310 |
| MG/CA | 0.033 | 0.026 | 0.026 | 0.023 |
| NA/CA | 2.687 | 2.535 | 2.513 | 2.664 |
| CL/(HC03+C03) | 44.595 | 47.890 | 30.926 | 45.106 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 95.206 | 95.999 | 94.969 | 95.792 |
| S04*100/(CL+S04+HC03+C03) | 2.659 | 1.996 | 1.960 | 2.085 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.135 | 2.005 | 3.071 | 2.124 |
| (NA+K)*100/(NA+K+CA+MG) | 73.215 | 72.072 | 71.899 | 73.194 |
| CA*100/(NA+K+CA+MG) | 25.925 | 27.214 | 27.383 | 26.199 |
| MC*100/(NA+K+CA+MG) | 0.860 | 0.714 | 0.718 | 0.607 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.865 | 97.995 | 96.929 | 97.876 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.135 | 2.005 | 3.071 | 2.124 |
| (NA+K)*100/(NA+K+CA+MG) | 73.215 | 72.072 | 71.899 | 73.194 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.785 | 27.928 | 28.101 | 26.806 |

第14-2表 吾妻北部地域水質一覽表(つづき)

| | ANC 17 | ANC 18 | ANC 19 | ANC 20 |
|----------------------------------|----------|----------|----------|----------|
| NO | 54.0 | 65.9 | 45.5 | 62.5 |
| TEMP | 4355.000 | 5804.000 | 5194.000 | 5713.000 |
| TSM | 6.60 | 7.00 | 7.00 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 101.600 | 138.000 | 107.800 | 135.400 |
| NA | 1165.000 | 1549.000 | 1391.000 | 1509.000 |
| NH4 | - | - | - | - |
| CA | 3*2.200 | 507.200 | 451.600 | 510.600 |
| MG | 6.552 | 10.400 | 8.720 | 10.190 |
| FF | 0.895 | 2.234 | 1.974 | 2.234 |
| MN | 0.330 | 0.549 | 0.706 | 0.659 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 1.020 | 1.482 | 2.037 | 1.701 |
| CL | 2496.000 | 3301.000 | 2956.000 | 3265.000 |
| BR | - | - | - | - |
| T | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 76.130 | 107.800 | 86.240 | 84.360 |
| S203 | 0.656 | 0.180 | 0.247 | 0.229 |
| HCO3 | 59.770 | 114.100 | 97.600 | 106.600 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 64.921 | 103.856 | 101.086 | 111.087 |
| HB02 | 18.050 | 16.150 | 18.260 | 17.030 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 35.560 | 25.530 | 32.120 | 26.150 |
| H2S | 5.103 | 4.195 | 5.114 | 6.286 |
| RN (*F-10 CURIE/L) | - | 14.243 | - | 15.903 |
| NA/K | 19.499 | 19.088 | 21.943 | 18.952 |
| CA/(HCO3+CO3) | 19.468 | 13.534 | 14.087 | 14.583 |
| MG/CA | 0.028 | 0.034 | 0.032 | 0.033 |
| NA/CA | 2.657 | 2.662 | 2.685 | 2.576 |
| CL/(HCO3+CO3) | 71.876 | 49.795 | 52.129 | 52.717 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 96.486 | 95.769 | 96.088 | 96.336 |
| S04*100/(CL+S04+HCO3+CO3) | 2.172 | 2.308 | 2.069 | 1.837 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.342 | 1.923 | 1.843 | 1.827 |
| (NA+K)*100/(NA+K+CA+MG) | 73.094 | 73.047 | 73.124 | 72.420 |
| CA*100/(NA+K+CA+MG) | 26.166 | 26.071 | 26.046 | 26.701 |
| MG*100/(NA+K+CA+MG) | 0.740 | 0.882 | 0.829 | 0.879 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.658 | 98.077 | 98.157 | 98.173 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.342 | 1.923 | 1.843 | 1.827 |
| (NA+K)*100/(NA+K+CA+MG) | 73.094 | 73.047 | 73.124 | 72.420 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.506 | 26.953 | 26.876 | 27.580 |

第14-2表 古妻北部地域水質一覽表 (つづき)

| NO | ANC 21 | | ANC 22 | | ANC 23 | | ANC 24 | |
|----------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|
| | TEMP | PH(FD) | TEMP | PH(LB) | TEMP | PH(LB) | TEMP | PH(LB) |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 120.500 | 3.082 | 81.380 | 2.022 | 120.700 | 3.088 | 102.800 | 2.630 |
| NA | 1471.000 | 63.989 | 1004.000 | 43.674 | 1441.000 | 62.864 | 1277.000 | 55.550 |
| NH4 | | | | | | | 1.400 | 0.078 |
| CA | 514.300 | 25.664 | 322.700 | 16.103 | 486.400 | 24.271 | 366.000 | 18.263 |
| MG | 8.850 | 0.728 | 6.004 | 0.494 | 8.421 | 0.693 | 5.346 | 0.440 |
| FE | 1.787 | 0.064 | 1.085 | 0.039 | 1.462 | 0.052 | 0.084 | 0.003 |
| MN | 0.659 | 0.024 | 0.381 | 0.014 | 0.591 | 0.022 | 0.425 | 0.015 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 1.466 | 0.163 | 1.563 | 0.174 | 1.672 | 0.186 | 1.445 | 0.161 |
| CL | 3201.000 | 90.300 | 2124.000 | 59.918 | 3087.000 | 87.084 | 2623.000 | 73.995 |
| BR | | | | | | | 6.537 | 0.082 |
| I | | | | | | | 0.609 | 0.005 |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 33.120 | 1.731 | 65.030 | 1.354 | 98.710 | 2.055 | 73.660 | 1.534 |
| S203 | 0.199 | 0.004 | 0.127 | 0.002 | 0.381 | 0.007 | 1.120 | 0.020 |
| HCO3 | 97.050 | 1.591 | 75.030 | 1.230 | 106.800 | 1.750 | 92.350 | 1.514 |
| CO3 | | | | | | | | |
| S102 (MG/KG)(MMOL/KG) | | | | | | | | |
| HR02 | 99.086 | 1.650 | 93.392 | 1.388 | 98.778 | 1.645 | 84.034 | 1.399 |
| H3P04 | 16.130 | 0.369 | 14.070 | 0.321 | 15.630 | 0.357 | 31.184 | 0.712 |
| HAS02 | | | | | | | | |
| C02 | 14.470 | 0.556 | 22.440 | 0.510 | 48.400 | 1.100 | 22.210 | 0.505 |
| H2S | 5.424 | 0.161 | 3.537 | 0.104 | 6.437 | 0.189 | 6.393 | 0.188 |
| RN (*F-10 CURIE/L) | 18.378 | | | | | | | |
| NA/K | 20.759 | | 20.980 | | 20.302 | | 21.125 | |
| CA/(HCO3+CO3) | 16.134 | | 13.094 | | 13.866 | | 12.066 | |
| MG/CA | 0.078 | | 0.031 | | 0.029 | | 0.024 | |
| NA/CA | 2.493 | | 2.712 | | 2.583 | | 3.042 | |
| CL/(HCO3+CO3) | 56.769 | | 48.724 | | 49.750 | | 48.886 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 96.453 | | 95.866 | | 95.813 | | 96.045 | |
| S04*100/(CL+S04+HCO3+CO3) | 1.808 | | 2.166 | | 2.261 | | 1.991 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.699 | | 1.968 | | 1.926 | | 1.965 | |
| (NA+K)*100/(NA+K+CA+MG) | 71.752 | | 73.382 | | 72.487 | | 75.673 | |
| CA*100/(NA+K+CA+MG) | 27.459 | | 25.825 | | 26.750 | | 23.755 | |
| MG*100/(NA+K+CA+MG) | 0.779 | | 0.792 | | 0.764 | | 0.572 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.301 | | 98.032 | | 98.074 | | 98.035 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.699 | | 1.968 | | 1.926 | | 1.965 | |
| (NA+K)*100/(NA+K+CA+MG) | 71.752 | | 73.382 | | 72.487 | | 75.673 | |
| (CA+MG)*100/(NA+K+CA+MG) | 28.233 | | 26.618 | | 27.513 | | 24.327 | |

第14-2表 青森北部地域水質一覧表(つつき)

| | ANC 25 | ANC 26 | ANC 27 | ANC 28 |
|----------------------------------|----------|----------|----------|----------|
| NO | 54.0 | 46.4 | 50.6 | 51.3 |
| TEMP | 5174.000 | 4841.000 | 5307.000 | 5095.000 |
| TSM | 6.90 | 7.00 | 6.80 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(PVAL/KG) | - | - | - | - |
| K | 109.900 | 102.500 | 111.600 | 109.700 |
| NA | 1398.000 | 1295.000 | 1410.000 | 1373.000 |
| NH4 | - | - | - | - |
| CA | 438.600 | 420.700 | 472.200 | 441.600 |
| MG | 11.590 | 8.251 | 10.070 | 8.139 |
| FF | 1.528 | 2.247 | 3.330 | 1.815 |
| MN | 0.549 | 0.664 | 0.549 | 0.659 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 1.411 | 2.145 | 1.233 | 1.716 |
| CL | 2948.000 | 2748.000 | 3018.000 | 2911.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 93.120 | 84.540 | 89.300 | 78.190 |
| S04 | 0.154 | 0.413 | 0.229 | 0.207 |
| S203 | 103.100 | 97.060 | 106.400 | 102.400 |
| HC03 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 105.856 | 1.629 | 109.856 | 95.855 |
| H02P | 16.190 | 0.369 | 17.030 | 17.030 |
| H3P04 | - | - | - | - |
| H4S02 | - | - | - | - |
| C02 | 23.610 | 0.536 | 25.520 | 23.710 |
| H2S | 4.672 | 0.137 | 6.285 | 6.094 |
| RN (#F-10 CURIE/L) | 74.904 | - | 93.366 | 112.200 |
| NA/K | 21.632 | 21.485 | 21.485 | 21.284 |
| CA/(HC03+C03) | 12.952 | 13.196 | 13.512 | 13.130 |
| MG/CA | 0.004 | 0.032 | 0.035 | 0.030 |
| NA/CA | 2.779 | 2.883 | 2.603 | 2.710 |
| CL/(HC03+C03) | 40.214 | 48.730 | 48.820 | 48.929 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 95.050 | 95.856 | 95.940 | 96.130 |
| S04*100/(CL+S04+HC03+C03) | 1.939 | 2.176 | 2.095 | 1.906 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.932 | 1.967 | 1.965 | 1.965 |
| (NA+K)*100/(NA+K+CA+MG) | 73.585 | 73.121 | 72.464 | 73.362 |
| CA*100/(NA+K+CA+MG) | 25.312 | 26.037 | 26.600 | 25.852 |
| MG*100/(NA+K+CA+MG) | 1.103 | 0.842 | 0.935 | 0.786 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.042 | 98.033 | 98.035 | 98.035 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.932 | 1.967 | 1.965 | 1.965 |
| (NA+K)*100/(NA+K+CA+MG) | 73.585 | 73.121 | 72.464 | 73.362 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.415 | 26.879 | 27.536 | 26.638 |

第14-2表 青森北部地域水質一覽表(つづき)

| *NO | ANC 29 | | | | ANC 30 | | | | ANC 31 | | | | ANC 32 | | | | | | |
|----------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|------|----------|------|
| | 118,600 | 5,034 | 101,360 | 2,591 | 119,800 | 3,054 | 98,410 | 2,517 | 1436,000 | 62,466 | 1297,000 | 52,505 | 1426,000 | 62,031 | 1126,000 | 48,981 | 54,7 | 4245,000 | 6,80 |
| TEMP | 52.3 | | 44.3 | | 60.6 | | 54.7 | | 5507.000 | | 7.00 | | | | | | | | |
| TSM | 5431,000 | | 4534,000 | | | | | | | | | | | | | | | | |
| PH(FD) | 6.80 | | 5.90 | | | | | | | | | | | | | | | | |
| PH(LB) | | | | | | | | | | | | | | | | | | | |
| H (MG/KG) (M/L/PG) | | | | | | | | | | | | | | | | | | | |
| K | 118,600 | 5,034 | 101,360 | 2,591 | 119,800 | 3,054 | 98,410 | 2,517 | 1436,000 | 62,466 | 1297,000 | 52,505 | 1426,000 | 62,031 | 1126,000 | 48,981 | 54,7 | 4245,000 | 6,80 |
| NA | | | | | | | | | | | | | | | | | | | |
| NH4 | | | | | | | | | | | | | | | | | | | |
| CA | 492,900 | 24,596 | 397,200 | 19,820 | 517,000 | 25,798 | 360,200 | 17,974 | | | | | | | | | | | |
| MG | 8,314 | 0,684 | 7,103 | 0,667 | 8,925 | 0,734 | 7,624 | 0,627 | | | | | | | | | | | |
| FE | 1,560 | 0,049 | 1,528 | 0,033 | 1,490 | 0,053 | 1,407 | 0,050 | | | | | | | | | | | |
| MN | 0,569 | 0,020 | 0,439 | 0,016 | 0,659 | 0,024 | 0,483 | 0,018 | | | | | | | | | | | |
| ZN | | | | | | | | | | | | | | | | | | | |
| CU | | | | | | | | | | | | | | | | | | | |
| PB | | | | | | | | | | | | | | | | | | | |
| AL | 1,593 | 0,177 | 1,727 | 0,192 | 1,561 | 0,174 | 2,071 | 0,230 | | | | | | | | | | | |
| CL | 30~1,000 | 46,915 | 2578,000 | 72,725 | 3177,000 | 88,213 | 2384,000 | 67,253 | | | | | | | | | | | |
| BR | | | | | | | | | | | | | | | | | | | |
| I | | | | | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | | | | | |
| OH | | | | | | | | | | | | | | | | | | | |
| S04 | 99,580 | 2,073 | 72,580 | 1,511 | 81,070 | 1,688 | 70,830 | 1,475 | | | | | | | | | | | |
| S203 | 0,235 | 0,004 | 0,141 | 0,003 | 0,200 | 0,004 | 0,158 | 0,003 | | | | | | | | | | | |
| HC03 | 117,100 | 1,919 | 94,570 | 1,550 | 113,000 | 1,852 | 98,210 | 1,610 | | | | | | | | | | | |
| CO3 | | | | | | | | | | | | | | | | | | | |
| SI02 (MG/PG) (MMOL/PG) | 105,950 | 1,762 | 95,025 | 1,583 | 129,858 | 2,142 | 93,393 | 1,555 | | | | | | | | | | | |
| HS02 | 14,350 | 0,327 | 16,190 | 0,369 | 17,030 | 0,389 | 16,260 | 0,371 | | | | | | | | | | | |
| H3PO4 | | | | | | | | | | | | | | | | | | | |
| HAS02 | | | | | | | | | | | | | | | | | | | |
| CO2 | 29,410 | 0,668 | 23,190 | 0,527 | 24,060 | 0,547 | 55,000 | 1,250 | | | | | | | | | | | |
| H2S | 6,510 | 0,151 | 3,645 | 0,101 | 5,478 | 0,161 | 4,000 | 0,117 | | | | | | | | | | | |
| BN (*F=10 CURT/L) | 61,734 | | 107,198 | | | | | | | | | | | | | | | | |
| NA/K | 20,590 | | 20,262 | | 20,242 | | 19,458 | | | | | | | | | | | | |
| CA/(HC03+CO3) | 12,815 | | 12,787 | | 13,929 | | 11,166 | | | | | | | | | | | | |
| MG/CA | 0,038 | | 0,034 | | 0,028 | | 0,035 | | | | | | | | | | | | |
| NA/CA | 2,560 | | 2,649 | | 2,404 | | 2,725 | | | | | | | | | | | | |
| CL/(HC03+CO3) | 45,285 | | 46,920 | | 47,629 | | 41,781 | | | | | | | | | | | | |
| CL/F | | | | | | | | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 95,608 | | 95,961 | | 96,142 | | 95,615 | | | | | | | | | | | | |
| S04*100/(CL+S04+HC03+CO3) | 2,251 | | 1,994 | | 1,840 | | 2,097 | | | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2,111 | | 2,045 | | 2,019 | | 2,289 | | | | | | | | | | | | |
| (NA+K)*100/(NA+P+CA+MG) | 72,152 | | 72,595 | | 71,043 | | 73,464 | | | | | | | | | | | | |
| CA*100/(NA+K+CA+MG) | 17,004 | | 26,223 | | 28,155 | | 25,641 | | | | | | | | | | | | |
| MG*100/(NA+K+CA+MG) | 0,754 | | 0,882 | | 0,802 | | 0,895 | | | | | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97,829 | | 97,955 | | 97,981 | | 97,712 | | | | | | | | | | | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2,111 | | 2,045 | | 2,019 | | 2,289 | | | | | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 72,152 | | 72,595 | | 71,043 | | 73,464 | | | | | | | | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 27,542 | | 27,105 | | 28,937 | | 26,536 | | | | | | | | | | | | |

第14-2表 吉妻北部地域水質一覽表 (つづき)

| | ANC 33 | ANC 34 | ANC 35 | ANC 36 |
|----------------------------------|----------|---------|---------|---------|
| NO | 62.7 | 27.0 | 25.0 | 23.0 |
| TEMP | 5696.000 | 422.000 | 232.600 | 220.000 |
| TSM | 7.00 | 7.20 | 7.50 | 7.50 |
| PH(FD) | - | 7.00 | - | 7.40 |
| PH(LR) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 131.800 | 4.459 | 6.112 | 1.173 |
| NA | 1512.000 | 99.000 | 55.940 | 55.840 |
| NH4 | - | 0.040 | 0.002 | 0.100 |
| CA | 510.600 | 16.620 | 8.143 | 0.380 |
| MG | 8.040 | 1.094 | 1.838 | 0.729 |
| FF | 1.340 | 0.048 | 1.736 | 0.826 |
| MN | 0.659 | 0.024 | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.411 | 0.628 | 0.947 | 0.644 |
| CL | 3245.000 | 91.130 | 68.080 | 45.390 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 97.940 | 93.410 | 49.380 | 28.810 |
| S203 | 0.081 | 0.001 | - | - |
| HC03 | 111.800 | 1.832 | 26.930 | 79.790 |
| C03 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 105.856 | 71.177 | 25.572 | 16.798 |
| HR02 | 14.350 | 2.125 | - | 0.049 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 23.180 | 11.440 | 1.534 | 6.138 |
| H2S | 2.430 | 0.071 | 0.409 | 0.012 |
| RM (*F-10 CURIE/L) | 12.183 | - | - | - |
| NA/K | 19.509 | 37.756 | 15.564 | 80.954 |
| CA/(HC03+C03) | 13.905 | 0.670 | 0.921 | 0.250 |
| MG/CA | 0.026 | 0.109 | 0.372 | 0.158 |
| NA/CA | 2.581 | 5.193 | 5.989 | 6.398 |
| CL/(HC03+C03) | 49.957 | 2.077 | 4.351 | 0.979 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 95.942 | 44.683 | 56.653 | 40.164 |
| S04*100/(CL+S04+HC03+C03) | 2.137 | 33.803 | 30.327 | 18.815 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.920 | 21.514 | 13.020 | 41.021 |
| (NA+K)*100/(NA+K+CA+MG) | 72.566 | 82.783 | 82.284 | 84.833 |
| CA*100/(NA+K+CA+MG) | 26.740 | 15.531 | 12.911 | 13.097 |
| MG*100/(NA+K+CA+MG) | 0.694 | 1.686 | 4.806 | 2.070 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.090 | 78.486 | 86.980 | 58.979 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.920 | 21.514 | 13.020 | 41.021 |
| (NA+K)*100/(NA+K+CA+MG) | 72.566 | 82.783 | 82.284 | 84.833 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.434 | 17.217 | 17.716 | 15.167 |

第14-2表 吾妻北部地域水質一覧表(つづき)

| | ANC 37 | ANC 38 | ANC 39 | ANC 40 |
|----------------------------------|----------|---------|---------|---------|
| NO | 31.5 | 42.8 | 45.2 | 41.7 |
| TEMP | 1550.000 | 865.200 | 887.000 | 825.200 |
| TSM | 5.60 | 6.45 | 6.50 | 6.60 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 17.440 | 0.446 | 0.288 | 0.750 |
| NA | 114.800 | 4.994 | 29.330 | 10.050 |
| NA4 | - | - | 189.800 | 176.500 |
| CA | 245.700 | 14.256 | 0.020 | 0.331 |
| MG | 32.320 | 2.363 | 3.436 | 2.916 |
| FF | 0.768 | 0.028 | 0.194 | 0.330 |
| MN | 3.500 | 0.120 | 0.205 | 2.101 |
| ZN | - | - | 0.415 | 3.217 |
| CU | - | - | 1.950 | 1.597 |
| PR | - | - | - | - |
| AL | 3.740 | 0.416 | - | - |
| CL | 13.470 | 0.380 | 0.047 | 0.426 |
| BR | - | - | 170.200 | 158.500 |
| I | - | - | 0.320 | 0.004 |
| F | - | - | 0.063 | 0.000 |
| OH | - | - | - | - |
| S04 | 938.200 | 19.533 | 0.878 | 0.811 |
| S203 | 14.180 | 0.253 | - | - |
| HC03 | 165.200 | 2.708 | 51.440 | 38.970 |
| C03 | - | - | 398.500 | 386.000 |
| SI02 (MG/KG)(MMOL/KG) | 70.006 | 1.166 | 54.002 | 66.521 |
| HR02 | 4.260 | 0.097 | 61.861 | 49.750 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 158.000 | 3.590 | 306.500 | 106.700 |
| H2S | 27.198 | 0.798 | - | - |
| RN (*E-10 CURIE/L) | - | 5.607 | - | 9.371 |
| NA/K | 11.194 | 27.704 | 11.005 | 29.865 |
| CA/(HC03+C03) | 5.265 | 0.512 | 0.446 | 0.517 |
| MG/CA | 0.187 | 0.057 | 0.113 | 0.053 |
| NA/CA | 0.350 | 2.324 | 2.831 | 2.347 |
| CL/(HC03+C03) | 0.140 | 0.693 | 0.735 | 0.707 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 1.630 | 36.007 | 38.709 | 38.515 |
| S04*100/(CL+S04+HC03+C03) | 86.351 | 7.170 | 8.634 | 6.989 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.970 | 54.823 | 52.657 | 54.496 |
| (NA+K)*100/(NA+K+CA+MG) | 24.333 | 69.505 | 73.507 | 69.728 |
| CA*100/(NA+K+CA+MG) | 63.770 | 28.862 | 23.800 | 28.753 |
| MG*100/(NA+K+CA+MG) | 11.897 | 1.633 | 2.693 | 1.519 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 88.030 | 45.177 | 47.343 | 45.504 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 11.970 | 54.823 | 52.657 | 54.496 |
| (NA+K)*100/(NA+K+CA+MG) | 24.333 | 69.505 | 73.507 | 69.728 |
| (CA+MG)*100/(NA+K+CA+MG) | 75.657 | 30.495 | 26.493 | 30.272 |

第14-2表 吾妻北部地域水質一覽表(つづき)

| | ANC 41 | ANC 42 | ANC 43 | ANC 44 |
|----------------------------------|---------|---------|---------|---------|
| NO | 40.5 | 40.7 | 40.5 | 53.0 |
| TEMP | 799.000 | 905.000 | 909.600 | 988.000 |
| TSM | 6.60 | 6.70 | 6.50 | 6.90 |
| PH(FD) | 6.80 | 6.80 | - | 6.85 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 27.760 | 25.030 | 13.090 | 9.580 |
| NA | 173.000 | 179.900 | 184.800 | 242.400 |
| NH4 | 0.348 | 0.392 | 0.422 | 0.012 |
| CA | 53.110 | 94.170 | 84.860 | 48.450 |
| MG | 4.277 | 3.988 | 0.320 | 3.402 |
| FE | 0.622 | 0.665 | 4.616 | 0.151 |
| MN | 1.000 | 2.300 | 1.973 | 0.380 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.424 | 0.504 | 0.493 | 0.186 |
| CL | 153.900 | 156.000 | 174.500 | 45.920 |
| BR | 0.240 | 0.296 | - | - |
| I | 0.063 | 0.032 | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 48.970 | 48.560 | 43.110 | 316.900 |
| S203 | - | - | - | 0.931 |
| HC03 | 365.930 | 485.700 | 446.600 | 340.400 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 65.068 | 57.017 | 74.907 | 47.999 |
| H3P04 | 61.665 | 55.971 | 57.120 | 31.184 |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 175.910 | 282.000 | 151.800 | 106.400 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 10.598 | 12.222 | 24.008 | 43.028 |
| CA/(HC03+C03) | 6.442 | 0.528 | 0.579 | 0.433 |
| MG/CA | 0.133 | 0.076 | 0.051 | 0.116 |
| NA/CA | 2.840 | 1.863 | 1.898 | 4.361 |
| CL/(HC03+C03) | 0.724 | 0.553 | 0.673 | 0.232 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 38.224 | 32.809 | 37.463 | 9.615 |
| S04*100/(CL+S04+HC03+C03) | 8.976 | 7.560 | 6.831 | 48.973 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 52.800 | 59.530 | 55.706 | 41.412 |
| (NA+K)*100/(NA+K+CA+MG) | 73.255 | 65.193 | 65.295 | 79.999 |
| CA*100/(NA+K+CA+MG) | 23.583 | 32.343 | 33.020 | 17.926 |
| MG*100/(NA+K+CA+MG) | 3.132 | 2.464 | 1.685 | 2.076 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 47.200 | 40.470 | 44.294 | 58.588 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 52.800 | 59.530 | 55.706 | 41.412 |
| (NA+K)*100/(NA+K+CA+MG) | 73.255 | 65.193 | 65.295 | 79.999 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.715 | 34.807 | 34.705 | 20.001 |

第14-2表 高妻北部地域水質一覽表 (つづき)

| | ANC 45 | ANC 46 | ANC 47 | ANC 48 |
|----------------------------------|----------|---------|---------|---------|
| NO | 53.9 | 48.0 | 44.5 | 51.5 |
| TEMP | 1013.000 | 886.000 | 879.500 | 795.000 |
| TSM | 6.90 | 6.90 | 6.70 | 2.40 |
| PH(FD) | - | 7.20 | - | 2.40 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 19.660 | 8.210 | 0.210 | 3.226 |
| NA | 233.100 | 207.500 | 9.026 | 20.490 |
| NH4 | - | 0.024 | 0.001 | 57.500 |
| CA | 57.720 | 45.650 | 2.278 | - |
| MG | 5.472 | 3.888 | 0.320 | 53.600 |
| FE | 1.724 | 0.130 | 0.005 | 15.080 |
| MN | 0.403 | 0.342 | 0.012 | 30.770 |
| ZN | - | - | - | 0.495 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 3.001 | 1.037 | 0.115 | 16.370 |
| CL | 51.030 | 41.130 | 1.160 | 16.490 |
| BR | - | - | - | 0.465 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 352.200 | 296.300 | 6.169 | 658.123 |
| S203 | 11.110 | 1.486 | 0.027 | 0.215 |
| HCO3 | 385.700 | 276.500 | 4.532 | 0.953 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 31.777 | 60.003 | 0.299 | 70.037 |
| H002 | 5.251 | 28.351 | 0.647 | 3.546 |
| H3P04 | - | - | - | 0.010 |
| HAS02 | - | - | - | - |
| C02 | 25.660 | 36.420 | 1.963 | 154.600 |
| H2S | 3.000 | 6.121 | 0.180 | 23.120 |
| BN (*E-10 CURT/L) | 5.417 | - | - | - |
| NA/K | 20.163 | 42.980 | 23.649 | 4.772 |
| CA/(HCO3+C03) | 0.540 | 0.503 | 0.564 | - |
| MG/CA | 0.156 | 0.140 | 0.126 | 0.464 |
| NA/CA | 3.521 | 3.962 | 3.463 | 0.935 |
| CL/(HCO3+C03) | 0.270 | 0.256 | 0.282 | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 10.211 | 9.782 | 10.503 | - |
| S04*100/(CL+S04+HCO3+C03) | 51.962 | 52.010 | 52.266 | - |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 37.828 | 38.208 | 37.231 | - |
| (NA+K)*100/(NA+K+CA+MG) | 76.165 | 78.048 | 76.226 | 43.587 |
| CA*100/(NA+K+CA+MG) | 20.612 | 19.249 | 21.118 | 38.534 |
| MG*100/(NA+K+CA+MG) | 3.223 | 2.704 | 2.655 | 17.878 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 52.172 | 61.792 | 62.769 | - |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 37.628 | 38.208 | 37.231 | - |
| (NA+K)*100/(NA+K+CA+MG) | 76.165 | 78.048 | 76.226 | 43.587 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.835 | 21.952 | 23.774 | 56.413 |

第14-2表 沓斐北部地域水質一覽表 (つづき)

| | ANC 49 | ANC 50 | ANC 51 | ANC 52 |
|----------------------------------|----------|-----------|-----------|-----------|
| NO | 51.9 | 58.7 | 57.7 | 61.0 |
| TEMP | 848.3/10 | 1228.0/00 | 1223.0/00 | 1336.0/00 |
| TSM | 2.30 | 6.60 | 7.10 | 6.80 |
| PH(CFD) | - | - | 7.70 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 3.447 | 9.347 | 6.256 | 8.262 |
| K | 12.570 | 0.239 | 0.160 | 0.211 |
| NA | 51.180 | 3.517 | 2.989 | 51.400 |
| NH4 | 0.823 | 80.850 | 68.720 | - |
| CA | 44.860 | 13.019 | 13.248 | 292.300 |
| MG | 6.990 | 2.407 | 4.374 | 4.945 |
| FE | 23.030 | 0.883 | 0.005 | 0.392 |
| MN | 1.054 | 0.881 | 0.144 | 0.014 |
| ZN | - | 0.038 | 0.660 | 2.220 |
| CU | 0.399 | - | - | - |
| PB | - | - | - | - |
| AL | 9.953 | 0.724 | 0.457 | 1.612 |
| CL | 7.666 | 0.216 | 0.407 | 11.390 |
| BR | - | 14.430 | 11.330 | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 1000.944 | 709.000 | 718.500 | 762.100 |
| SZ03 | - | 14.761 | 14.959 | - |
| HC03 | - | 1.211 | 0.022 | - |
| CO3 | - | 114.900 | 115.500 | 97.810 |
| ST02 (MG/KG)(MMOL/KG) | 44.050 | 0.733 | 1.116 | 1.839 |
| HB02 | 2.748 | 0.063 | 0.212 | 0.233 |
| H3P04 | - | - | 7.797 | - |
| HAS02 | - | - | - | - |
| CO2 | - | 19.960 | 0.453 | 0.282 |
| H2S | 12.580 | 3.189 | 22.220 | 4.597 |
| RN (*E-10 CURTE/L) | - | 32.550 | - | 9.921 |
| NA/K | 6.924 | 14.709 | 18.680 | 10.580 |
| CA/(HC03+CO3) | - | 6.913 | 6.998 | 9.098 |
| MG/CA | 0.257 | 0.015 | 0.027 | 0.028 |
| NA/CA | 0.995 | 0.270 | 0.226 | 0.153 |
| CL/(HC03+CO3) | - | 0.216 | 0.169 | 0.200 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | - | 2.387 | 1.861 | 1.806 |
| S04*100/(CL+S04+HC03+CO3) | - | 86.569 | 87.115 | 89.183 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 11.044 | 11.024 | 9.011 |
| (NA+K)*100/(NA+K+CA+MG) | 47.528 | 22.130 | 18.793 | 14.032 |
| CA*100/(NA+K+CA+MG) | 41.757 | 76.703 | 79.059 | 83.634 |
| MG*100/(NA+K+CA+MG) | 10.715 | 1.167 | 2.148 | 2.333 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | 88.956 | 88.976 | 90.989 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 11.044 | 11.024 | 9.011 |
| (NA+K)*100/(NA+K+CA+MG) | 47.528 | 22.130 | 18.793 | 14.032 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.472 | 77.870 | 81.207 | 85.968 |

第14-3表 高妻北部地域水質一覽表 (つづき)

| | ANC 53 | ANC 54 | ANC 55 | ANC 56 |
|----------------------------------|-----------|----------|----------|----------|
| NO | 59.6 | 59.7 | 61.3 | 57.8 |
| TEMP | 12.45.000 | 1278.000 | 1293.000 | 1246.000 |
| TSM | 7.10 | 6.90 | 7.20 | 6.80 |
| PH(FD) | 7.70 | - | 7.70 | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 6.566 | 8.054 | 6.322 | 7.903 |
| NA | 68.720 | 49.920 | 67.800 | 48.390 |
| NH4 | - | - | - | - |
| CA | 271.100 | 283.600 | 273.500 | 277.200 |
| MG | 4.960 | 4.545 | 7.290 | 4.263 |
| FF | 0.166 | 0.448 | 0.142 | 0.005 |
| MN | 0.865 | 0.354 | 0.608 | 0.470 |
| ZN | - | - | - | 0.092 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.488 | 1.146 | 0.459 | 1.129 |
| CL | 11.850 | 16.340 | 12.090 | 12.050 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 740.700 | 732.500 | 751.400 | 727.200 |
| S203 | 1.211 | - | 1.283 | 0.023 |
| HC03 | 110.700 | 84.850 | 194.400 | 1.711 |
| C03 | 0.132 | 0.004 | 0.192 | 0.006 |
| SI02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HR02 | 7.032 | 1.116 | 78.033 | 84.315 |
| H3P04 | 7.036 | 0.162 | 14.920 | 19.830 |
| HAS02 | - | - | - | - |
| C02 | 21.290 | 0.484 | 20.080 | 18.170 |
| H2S | 4.251 | 0.125 | 4.704 | 4.264 |
| RN (*E-10 CURIE/L) | - | 8.184 | - | 9.053 |
| NA/K | 17.793 | 10.540 | 18.066 | 10.412 |
| CA/(HC03+C03) | 7.438 | 10.176 | 7.946 | 11.510 |
| MG/CA | 0.030 | 0.026 | 0.044 | 0.025 |
| NA/CA | 0.221 | 0.153 | 0.216 | 0.152 |
| CL/(HC03+C03) | 0.114 | 0.331 | 0.199 | 0.283 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 1.902 | 2.695 | 1.927 | 2.038 |
| SO4*100/(CL+S04+HC03+C03) | 87.749 | 89.173 | 88.371 | 90.759 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.349 | 8.132 | 9.702 | 7.204 |
| (NA+K)*100/(NA+K+CA+MG) | 14.480 | 14.066 | 17.929 | 13.991 |
| CA*100/(NA+K+CA+MG) | 79.179 | 83.722 | 78.615 | 83.882 |
| MG*100/(NA+K+CA+MG) | 2.341 | 2.213 | 3.456 | 2.127 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 89.651 | 91.868 | 90.298 | 92.796 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.349 | 8.132 | 9.702 | 7.204 |
| (NA+K)*100/(NA+K+CA+MG) | 14.480 | 14.066 | 17.929 | 13.991 |
| (CA+MG)*100/(NA+K+CA+MG) | 81.520 | 85.934 | 82.071 | 86.009 |

第14-2表 吉妻北部越域水質一覽表 (つづき)

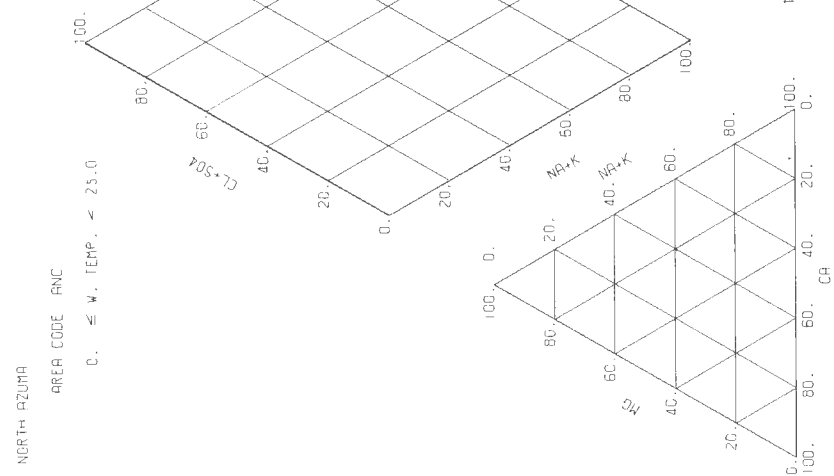
| | ANC 57 | ANC 58 | ANC 59 | ANC 60 |
|----------------------------------|----------|----------|----------|----------|
| NO | 56.0 | 56.2 | 52.7 | 53.7 |
| TEMP | 1403.000 | 1414.000 | 1122.000 | 1154.000 |
| TSM | 6.90 | 7.10 | 7.20 | 7.20 |
| PH(CFD) | 7.50 | - | 7.00 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 6.490 | 9.860 | 0.252 | 0.144 |
| NA | 65.410 | 56.330 | 2.450 | 3.202 |
| NH4 | - | - | 5.630 | 0.144 |
| CA | 301.600 | 323.600 | 73.600 | 78.920 |
| MG | 7.776 | 3.982 | 9.720 | 240.700 |
| FE | 0.100 | 0.025 | 0.800 | 1.532 |
| MN | 0.741 | 1.962 | 0.020 | 1.760 |
| ZN | - | 0.027 | 0.494 | 0.494 |
| CU | - | - | 0.018 | 0.018 |
| PB | - | - | - | - |
| AL | 0.563 | 1.154 | - | - |
| CL | 11.060 | 0.312 | 0.118 | 0.933 |
| BR | - | 10.990 | 4.610 | 6.028 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 823.000 | 826.700 | 673.900 | 687.200 |
| S203 | 1.354 | - | 0.981 | - |
| HC03 | 96.990 | 107.600 | 79.610 | 88.450 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 64.026 | 72.914 | 62.004 | 67.914 |
| RB02 | 4.252 | 7.915 | 1.135 | 9.082 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 30.320 | 11.890 | 0.270 | 12.280 |
| H2S | 5.505 | 6.777 | 0.199 | 2.177 |
| RN (*F-10 CURIE/L) | - | 6.986 | - | 21.130 |
| NA/K | 17.139 | 9.715 | 22.231 | 14.965 |
| CA/(HC03+CO3) | 9.467 | 9.156 | 8.421 | 8.285 |
| MG/CA | 0.043 | 0.020 | 0.073 | 0.010 |
| NA/CA | 0.189 | 0.152 | 0.291 | 0.286 |
| CL/(HC03+CO3) | 0.196 | 0.176 | 0.100 | 0.117 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 1.639 | 1.608 | 0.841 | 1.068 |
| S04*100/(CL+S04+HC03+CO3) | 90.010 | 89.248 | 90.722 | 85.830 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.351 | 9.145 | 9.437 | 9.102 |
| (NA+K)*100/(NA+K+CA+MG) | 16.103 | 14.092 | 22.107 | 23.181 |
| CA*100/(NA+K+CA+MG) | 80.476 | 84.199 | 72.607 | 76.021 |
| MG*100/(NA+K+CA+MG) | 3.422 | 1.709 | 5.285 | 0.798 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 91.649 | 90.855 | 91.563 | 90.898 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.351 | 9.145 | 9.437 | 9.102 |
| (NA+K)*100/(NA+K+CA+MG) | 16.103 | 14.092 | 22.107 | 23.181 |
| (CA+MG)*100/(NA+K+CA+MG) | 83.897 | 85.908 | 77.893 | 76.819 |

第14-3表 吾妻北部地域特定成分含量の頻度分布表

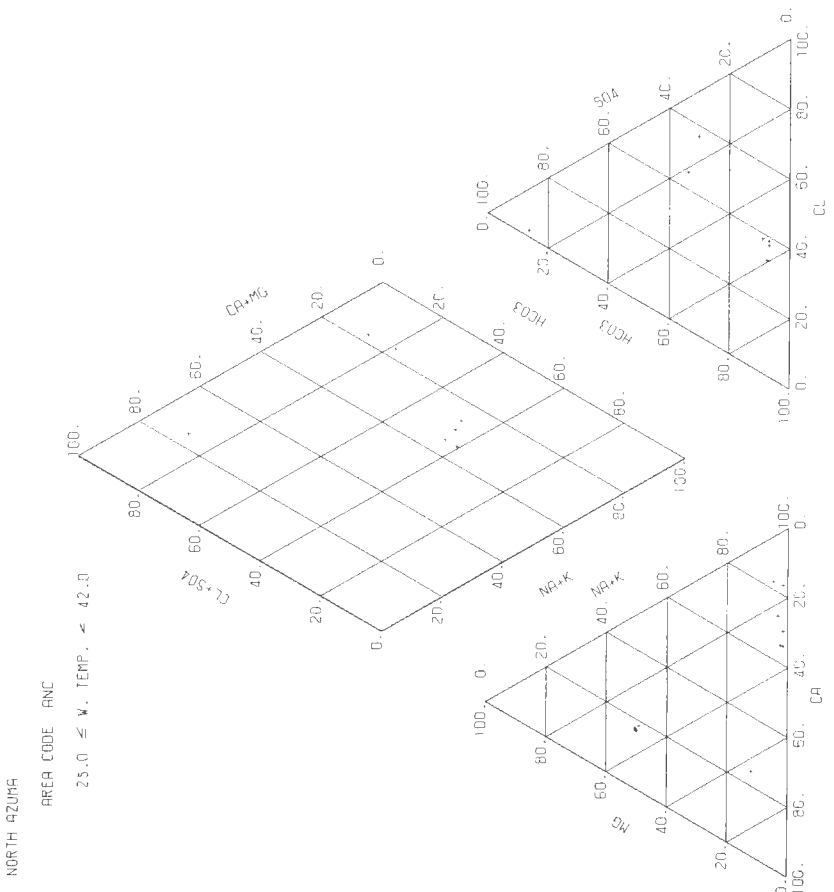
FREQUENCY DATA OF Zn, Cu, Pb, As AND H2S

| Zn | N | F(%) | Cu | N | F(%) |
|----------|----|-------|----------------------|----|-------|
| ND | 59 | 100.0 | ND | 59 | 98.3 |
| <0.500 | 0 | 0. | <0.300 | 0 | 0. |
| <5.000 | 0 | 0. | <3.000 | 1 | 1.7 |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 60 | 100.0 | TOTAL | 60 | 100.0 |
| Pb | N | F(%) | As | N | F(%) |
| ND | 60 | 100.0 | ND | 59 | 98.3 |
| <0.100 | 0 | 0. | <0.050 | 0 | 0. |
| <1.000 | 0 | 0. | <0.500 | 1 | 1.7 |
| >1.000 | 0 | 0. | <5.000 | 0 | 0. |
| | | | >5.000 | 0 | 0. |
| TOTAL | 60 | 100.0 | TOTAL | 60 | 100.0 |
| H2S | N | F(%) | N= NUMBER OF SAMPLES | | |
| ND | 8 | 13.3 | F= FREQUENCY(%) | | |
| < 1.000 | 1 | 1.7 | | | |
| < 10.000 | 47 | 78.3 | | | |
| <100.000 | 4 | 6.7 | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 60 | 100.0 | | | |

第14-2図 吾妻北部地域成水質組成図（その1）（水温25℃未満）



第14-2図 吾妻北部地域成水質組成図（その2）（水温25℃以上42℃未満）

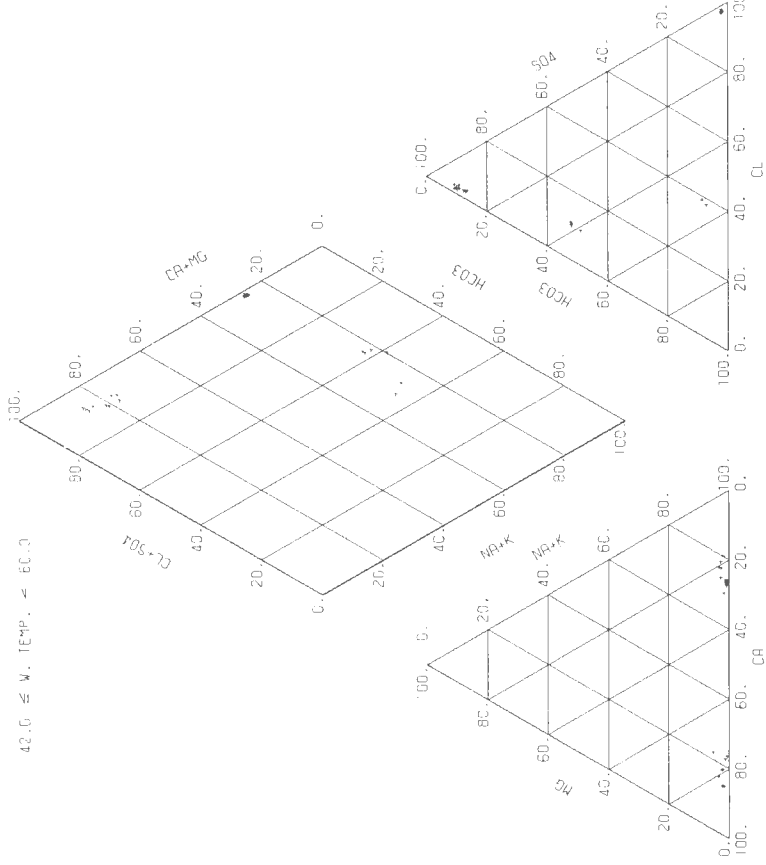


第14-2図 吾妻北部地域水質組成図 (その3) (水温42℃以上60℃未満)

NORTH AZUMA

AREA CODE ANC

42.0 ≦ W. TEMP. < 60.0

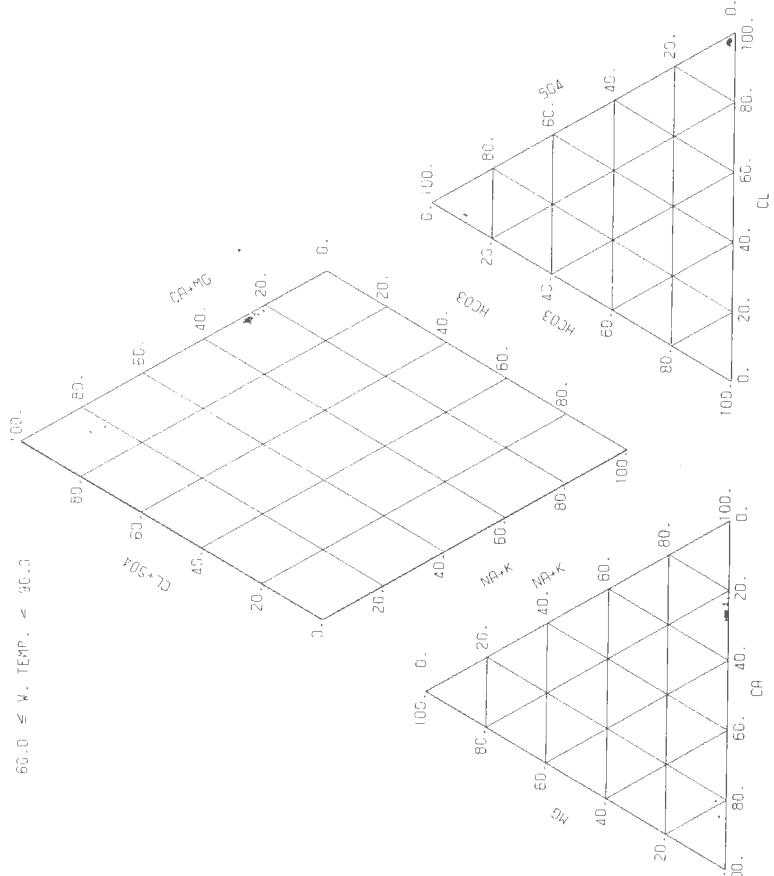


第14-2図 吾妻北部地域水質組成図 (その4) (水温60℃以上90℃未満)

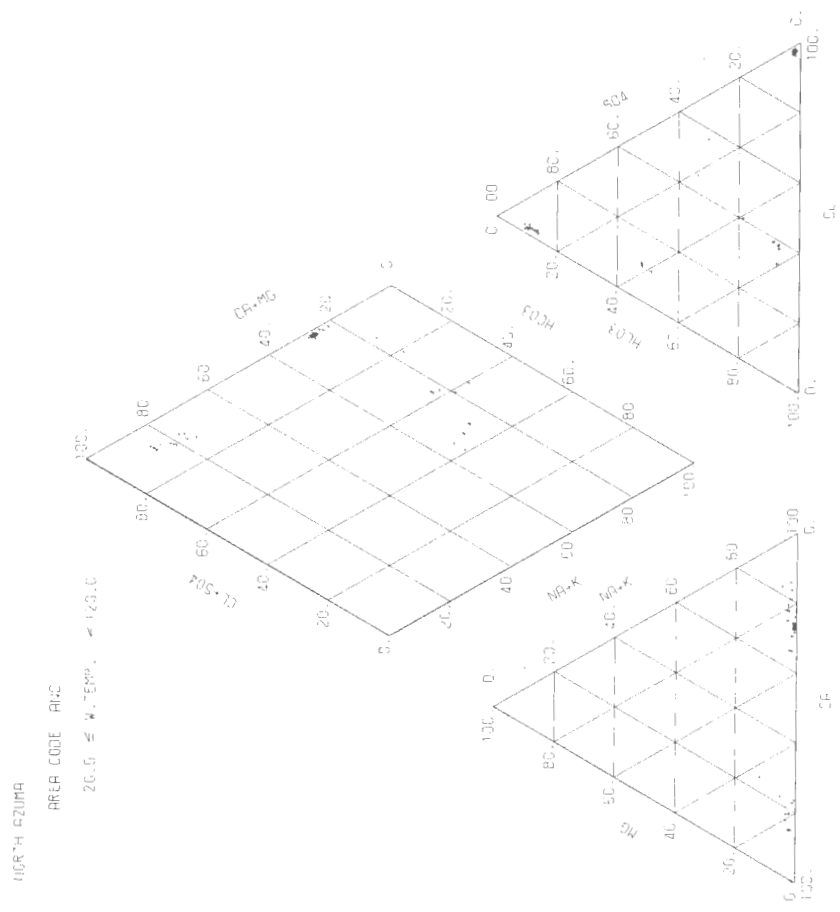
NORTH AZUMA

AREA CODE ANC

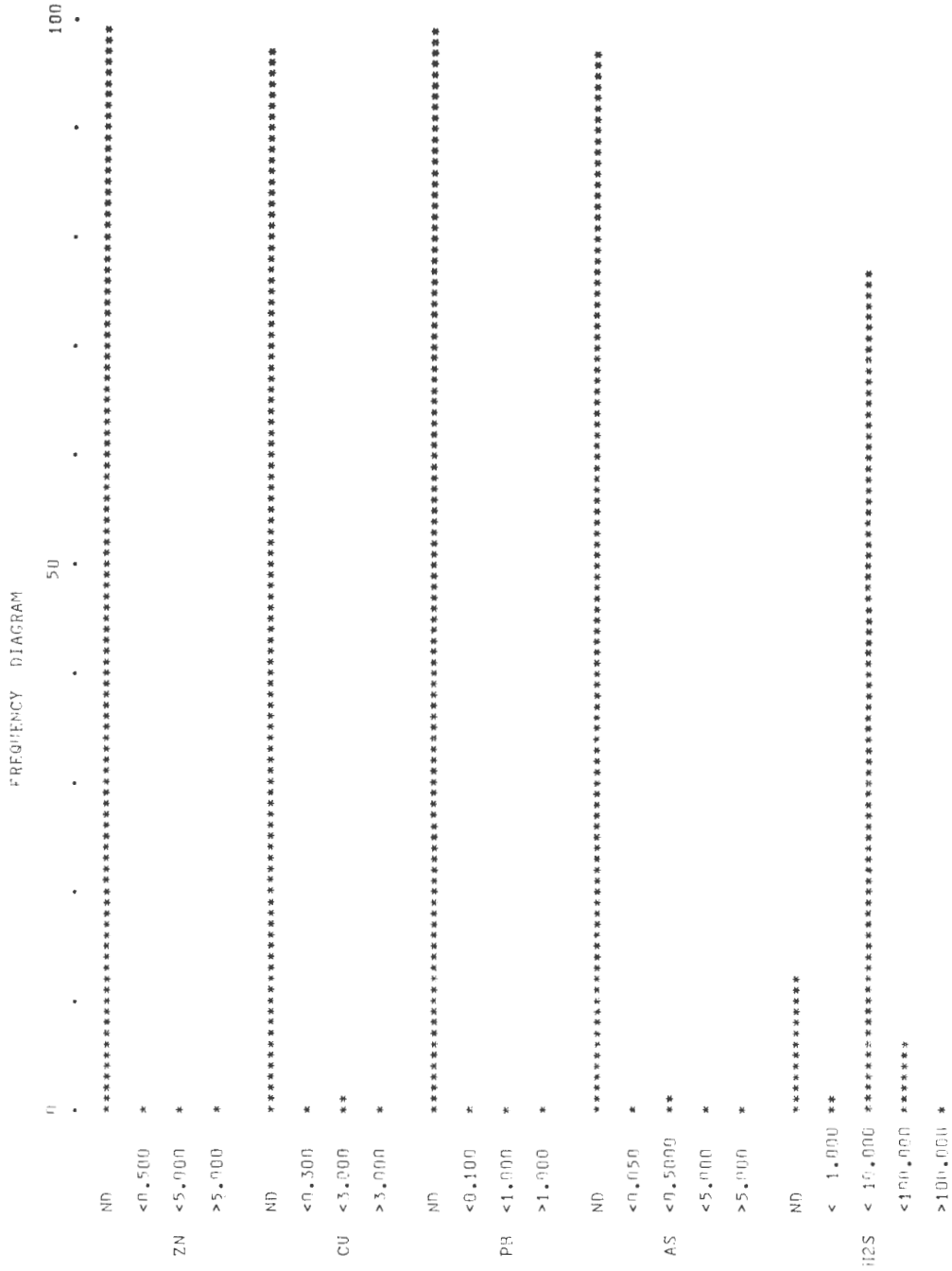
60.0 ≦ W. TEMP. < 90.0



第14-2図 吾妻北部地域水質組成図 (その5) (全試料)



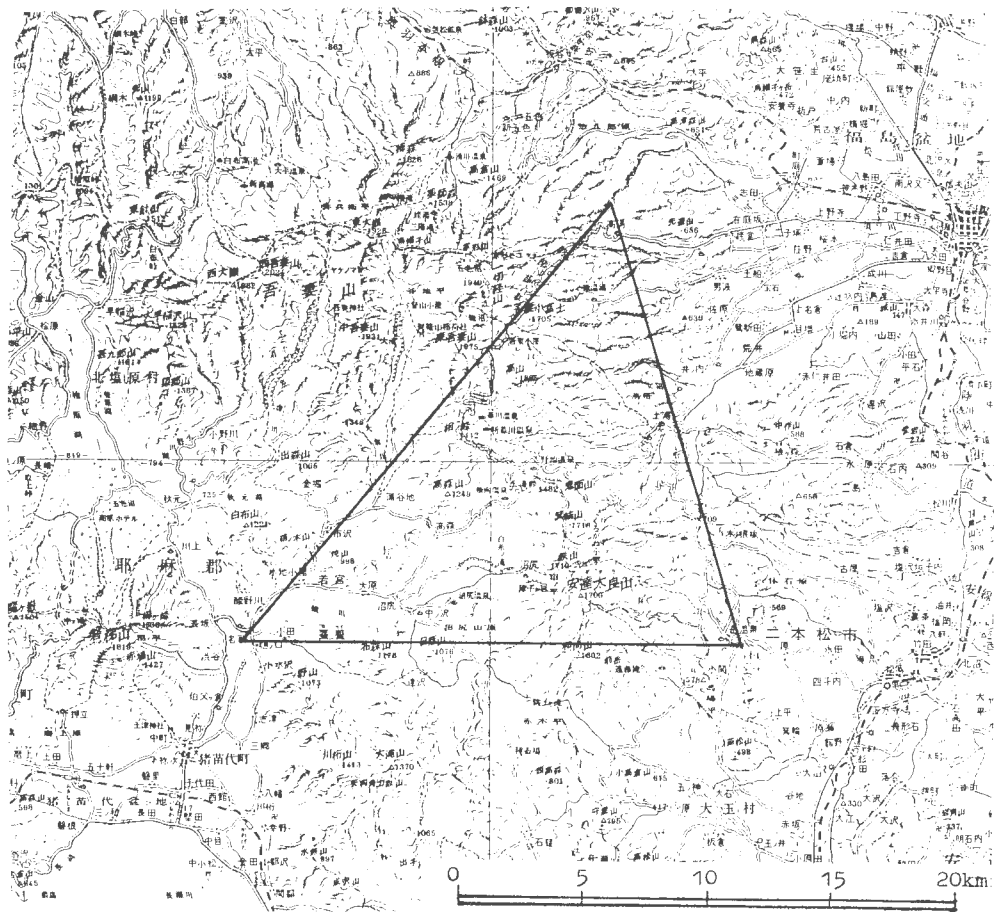
第14-3图 吾妻北部地域特定成分含量の頻度分布図



15. 吾妻南部 Southern part of Azuma

位置 福島県福島市，二本松市，耶麻郡猪苗代町
 データ数 52
 収集・整理 阿部智彦
 協力 福島県衛生研究所

調査位置図（20万分の1地勢図「福島」）



| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|--------------------|-----|-----|-------------------|------------|-------|---------------|-----------------------|
| TYC-36 | 福島県福島市土湯温泉町下の町18の2 | 土湯 | 土湯 | 星村 | 1952.12.25 | 6 | 75 | P |
| " | " | " | " | 星村 | " | " | 76 | D=0m, F |
| " | " | " | " | 下隠台32の(イ) | " | " | 77 | D=0m, Q=39.6l/m, F |
| " | " | " | " | 鷲倉山 | " | " | 78 | D=0m, Q=22l/m, F |
| " | " | " | " | 二本松市永田元湯1の1 | 1950.3.27 | " | 79 | D=0m, Q=900l/m, F |
| " | " | " | " | 塩沢ぐみ塚60の(ハ) | 1957.12.12 | " | 80 | Q=40l/m, P |
| " | " | " | " | 福島市土湯温泉町鷲倉山国有林引林班 | 1952.12.24 | " | 81 | D=0m, Q=48.3l/m, F |
| " | " | " | " | " | 1960.7.14 | " | 82 | D=0m, Q=23.4l/m, F |
| " | " | " | " | " | 1955.10.1 | " | 83 | D=0m, Q=19.4l/m, F |
| " | " | " | " | 耶麻郡猪苗代町若宮横向甲2985 | 1952.1.7 | " | 84 | Q=83l/m, P |
| " | " | " | " | " | 1951.11.16 | " | 85 | D=0m, Q=13.5l/m, F |
| " | " | " | " | 中の湯甲2980の2 | " | " | 86 | D=0m, Q=17.5l/m, F |
| " | " | " | " | " | 11.16 | " | 87 | Q=31.4l/m, P |
| " | " | " | " | 横向2970 | 1956.11.15 | " | 88 | D=0m, Q=118l/m, F |
| " | " | " | " | 横向山 | 1963.2.3 | " | 89 | D=0m, Q=9000l/m, F |
| " | " | " | " | " | 1952.1.16 | " | | |
| " | " | " | " | 中の沢・尻沼 | | | | |
| " | " | " | " | 温湯13の口 | 1957.1.23 | " | 57 | D=0m, Q=642l/m, F |
| " | " | " | " | 山根屋(御殿の湯) | 1952.12.25 | " | 68 | D=0m, F |

温泉名の()は角(1975)にないもの。

備考のDは深度(m)、Qは湧(揚)水量(l/m)、Fは自噴、Pはポンプ揚水、D=0m……Fは自然湧出、Xは源泉位置不明。

第15-2表 吾妻南部地域水質一覽表

| NO | TYC 1 | TYC 2 | TYC 3 | TYC 4 |
|----------------------------------|----------|----------|----------|---------|
| TEMP | 33.5 | 33.2 | 43.5 | 58.0 |
| TSM | 2054.000 | 2077.000 | 1181.800 | 911.600 |
| PH(FD) | 6.40 | 6.40 | 2.80 | 6.60 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | TR. | TR. | TR. | TR. |
| K | 0.644 | 0.016 | 0.428 | 0.425 |
| NA | 216.100 | 9.400 | 16.090 | 0.412 |
| NH4 | 0.292 | 0.016 | 53.020 | 2.306 |
| CA | 156.700 | 7.819 | - | 0.838 |
| MG | 101.400 | 2.344 | 94.040 | 4.693 |
| FE | 32.000 | 1.146 | 12.210 | 83.430 |
| MN | 1.800 | 0.066 | 2.797 | 23.940 |
| ZN | - | - | 1.297 | 20.000 |
| CU | 0.004 | 0.000 | - | 2.000 |
| PB | - | - | - | 0.073 |
| AL | 27.050 | 3.008 | 56.810 | - |
| CL | 261.500 | 7.377 | 41.250 | 10.920 |
| BR | 5.154 | 0.065 | - | 5.937 |
| I | - | - | - | 2.642 |
| F | 3.000 | 0.158 | - | 0.033 |
| OH | - | - | - | 0.016 |
| SO4 | 978.000 | 20.362 | 694.911 | 0.300 |
| S2O3 | - | - | - | - |
| HC03 | 152.200 | 2.495 | - | 404.100 |
| CO3 | 0.042 | 0.001 | - | 52.010 |
| SI02 (MG/KG)(MMOL/KG) | 79.490 | 1.324 | 134.935 | 0.012 |
| HPO4 | 1.135 | 0.026 | - | 177.006 |
| HAS02 | 0.119 | 0.001 | - | 2.947 |
| CO2 | - | - | - | - |
| H2S | 0.041 | 0.001 | - | 0.011 |
| RN (*F-10 CURIE/L) | - | - | - | 31.260 |
| NA/K | 570.634 | 9.629 | - | - |
| CA/(HC03+CO3) | 3.133 | 6.082 | 5.604 | 10.193 |
| MG/CA | 1.067 | 0.560 | 0.214 | 4.882 |
| NA/CA | 1.202 | 0.748 | 0.491 | 0.473 |
| CL/(HC03+CO3) | 2.956 | 3.679 | - | 0.485 |
| CL/F | 46.713 | 45.534 | - | 0.196 |
| CL*100/(CL+SO4+HC03+CO3) | 24.399 | 23.396 | - | 10.606 |
| SO4*100/(CL+SO4+HC03+CO3) | 67.346 | 70.246 | - | 1.775 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 8.255 | 6.358 | - | 89.184 |
| (NA+K)*100/(NA+K+CA+MG) | 36.813 | 34.615 | 32.298 | 9.040 |
| CA*100/(NA+K+CA+MG) | 30.568 | 41.920 | 55.763 | 26.533 |
| MG*100/(NA+K+CA+MG) | 32.620 | 23.464 | 11.940 | 49.869 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 91.745 | 93.642 | - | 23.598 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 8.255 | 6.358 | - | 90.960 |
| (NA+K)*100/(NA+K+CA+MG) | 36.813 | 34.615 | 32.298 | 9.040 |
| (CA+MG)*100/(NA+K+CA+MG) | 63.187 | 65.385 | 67.702 | 26.533 |

第15-2表 吾妻南部地域水質一覧表(つづき)

| | TYC 5 | TYC 6 | TYC 7 | TYC 8 |
|----------------------------------|--------|---------|----------|---------|
| NO | | | | |
| TEMP | 64.0 | 67.0 | 92.0 | 75.0 |
| TSM | 45.200 | 353.200 | 1527.300 | 683.600 |
| PH(FD) | 4.60 | 6.30 | 7.20 | 7.40 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 0.025 | - | - | - |
| K | 0.693 | 3.860 | 36.040 | 20.360 |
| NA | 11.140 | 25.920 | 443.100 | 122.800 |
| NH4 | 0.032 | - | - | 3.219 |
| CA | 1.463 | 2.273 | 43.290 | 36.840 |
| MG | 14.630 | 10.360 | 4.457 | 4.635 |
| FE | 0.663 | 2.300 | 1.479 | 0.247 |
| MN | - | - | 0.082 | 0.009 |
| ZN | - | - | 0.059 | 0.004 |
| CU | 0.005 | - | - | - |
| PR | - | - | - | - |
| AL | - | 0.340 | 0.010 | 2.781 |
| CL | 32.990 | 0.370 | 0.010 | 82.720 |
| BR | - | - | 193.000 | 5.445 |
| I | - | - | - | - |
| F | 0.200 | - | - | - |
| OH | - | - | - | - |
| S04 | 11.030 | 83.590 | 212.700 | 138.100 |
| S203 | - | - | - | - |
| HC03 | - | - | 4.428 | 2.875 |
| C03 | 1.585 | 163.570 | 775.300 | 211.600 |
| SI02 (MG/KG)(MMOL/KG) | 10.001 | 143.590 | 115.703 | 121.165 |
| HB02 | - | - | - | 2.267 |
| H3PO4 | 0.039 | - | 9.476 | 0.021 |
| HAS02 | 0.005 | - | - | - |
| C02 | 91.520 | 24.970 | 40.630 | 0.923 |
| H2S | 38.876 | 2.230 | 0.996 | 4.734 |
| RN (*F=10 CURIE/L) | - | - | - | - |
| NA/K | 27.336 | 11.419 | 20.908 | 10.257 |
| CA/(HC03+C03) | 2.810 | 0.375 | 0.170 | 0.559 |
| MG/CA | 16.491 | 0.496 | 0.170 | 0.197 |
| NA/CA | 6.638 | 0.004 | 8.923 | 2.756 |
| CL/(HC03+C03) | 35.824 | - | 0.428 | 0.673 |
| CL/F | 88.397 | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 78.452 | 0.236 | 24.112 | 26.894 |
| S04*100/(CL+S04+HC03+C03) | 19.358 | 39.270 | 19.612 | 33.137 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.190 | 60.494 | 56.276 | 39.970 |
| (NA+K)*100/(NA+K+CA+MG) | 28.232 | 28.175 | 88.880 | 71.651 |
| CA*100/(NA+K+CA+MG) | 4.103 | 52.236 | 9.506 | 23.687 |
| MG*100/(NA+K+CA+MG) | 67.665 | 19.588 | 1.614 | 4.662 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.810 | 39.506 | 43.724 | 60.030 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.190 | 60.494 | 56.276 | 39.970 |
| (NA+K)*100/(NA+K+CA+MG) | 28.232 | 28.175 | 88.880 | 71.651 |
| (CA+MG)*100/(NA+K+CA+MG) | 71.768 | 71.825 | 88.880 | 28.349 |

第15-2表 舌葉南部地域水質一覽表 (つづき)

| NO | TYC 9 | TYC 10 | TYC 11 | TYC 12 |
|----------------------------------|---------|-----------|-----------|-----------|
| TEMP | 83.0 | 52.0 | - | - |
| TSM | 833.300 | 1,637.000 | 1,418.800 | 1,446.100 |
| PH(FD) | 8.00 | 6.90 | 2.80 | 2.80 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | 1.015 | 1.202 |
| K | 12.100 | 60.400 | 1.545 | 14.800 |
| NA | 176.200 | 283.300 | 12.750 | 0.379 |
| NH4 | - | 9.020 | 50.920 | 54.040 |
| CA | 51.600 | 103.800 | 92.220 | 88.870 |
| MG | 5.400 | 31.610 | 2.601 | 18.500 |
| FE | 3.000 | 0.444 | 23.200 | 1.522 |
| MN | - | 0.452 | 0.016 | 0.499 |
| ZN | - | 0.148 | 1.296 | 1.096 |
| CU | - | - | - | - |
| PB | - | 0.028 | 0.001 | - |
| AL | 2.500 | - | 44.250 | 52.070 |
| CL | 103.900 | 17.940 | 43.950 | 35.930 |
| BR | - | - | 1.240 | 1.014 |
| I | - | - | - | - |
| F | - | 1.612 | - | - |
| OH | - | - | - | - |
| S04 | 213.800 | 160.600 | 60.790 | 644.300 |
| S203 | - | - | - | - |
| HCO3 | 243.361 | 1.079 | 0.018 | - |
| CO3 | 0.102 | 0.492 | 0.016 | - |
| SI02 (MG/KG) (MMOL/KG) | 106.856 | 45.343 | 136.397 | 136.474 |
| HB02 | - | 4.514 | 0.103 | 2.272 |
| H3PO4 | - | 1.970 | 0.020 | 1.423 |
| HAS02 | - | - | 1.526 | 0.015 |
| CO2 | - | 116.200 | - | - |
| H2S | - | - | 150.500 | 211.400 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 24.765 | 7.976 | 6.792 | 6.209 |
| CA/(HCO3+CO3) | 0.645 | 151.970 | - | - |
| MG/CA | 0.173 | 0.502 | 0.415 | 0.343 |
| NA/CA | 2.977 | 2.379 | 0.481 | 0.530 |
| CL/(HCO3+CO3) | 0.734 | 14.849 | - | - |
| CL/F | - | 5.964 | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 25.768 | 13.031 | - | - |
| S04*100/(CL+S04+HCO3+CO3) | 39.133 | 86.092 | - | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 35.099 | 0.878 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 72.536 | 64.060 | 28.073 | 31.421 |
| CA*100/(NA+K+CA+MG) | 23.422 | 23.925 | 50.837 | 51.053 |
| MG*100/(NA+K+CA+MG) | 4.042 | 12.015 | 21.091 | 17.526 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 64.901 | 99.122 | - | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 35.099 | 0.878 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 72.536 | 64.060 | 28.073 | 31.421 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.464 | 35.940 | 71.927 | 68.579 |

第15-2表 吾妻南部地域水質一覧表(つづき)

| | TYC 13 | TYC 14 | TYC 15 | TYC 16 |
|----------------------------------|----------|----------|----------|----------|
| NO | | | | |
| TEMP | | | | |
| TSM | 1174.000 | 1498.000 | 1288.900 | 1424.000 |
| PH(FD) | 2.60 | 2.50 | 2.80 | 2.80 |
| PH(LLB) | | | | |
| H (MG/KG)(MVAL/KG) | 2.250 | 3.226 | 0.577 | 1.074 |
| K | 29.850 | 23.730 | 14.160 | 13.180 |
| NA | 76.650 | 115.200 | 64.610 | 61.700 |
| NH4 | | 12.890 | 81.410 | 80.590 |
| CA | 111.200 | 101.300 | 18.710 | 12.360 |
| MG | 20.550 | 1.691 | 0.599 | 0.617 |
| FE | 0.300 | 0.217 | 0.049 | 1.198 |
| MN | 1.598 | 2.400 | 1.496 | 1.296 |
| ZN | | | | |
| CU | | 0.125 | | |
| PH | | | | |
| AL | 8.513 | 25.670 | 53.820 | 50.780 |
| CL | 81.250 | 117.600 | 51.010 | 41.480 |
| BR | 0.503 | 0.288 | | |
| I | | | | |
| F | 1.199 | 2.951 | | |
| OH | | 0.155 | | |
| S04 | 584.700 | 763.200 | 637.000 | 616.100 |
| S203 | | | | |
| HC03 | | | | |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 136.397 | 148.629 | 145.936 | 133.858 |
| HB02 | 7.992 | 12.760 | | |
| H3P04 | 1.297 | 0.013 | | |
| HAS02 | 0.072 | 0.029 | | |
| C02 | | | | |
| H2S | 107.700 | 28.560 | 235.900 | 219.800 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | | 8.256 | 7.759 | 7.961 |
| CA/(HC03+C03) | 4.367 | | | |
| MG/CA | 0.305 | 0.540 | 0.053 | 0.160 |
| NA/CA | 0.601 | 0.991 | 3.010 | 4.352 |
| CL/(HC03+C03) | | | | |
| CL/F | 36.315 | 21.356 | | |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 36.143 | 41.911 | 76.347 | 80.855 |
| CA*100/(NA+K+CA+MG) | 48.942 | 37.709 | 22.466 | 16.507 |
| MG*100/(NA+K+CA+MG) | 14.915 | 20.380 | 1.186 | 2.638 |
| (CL+S04)*100/(CL+S04+HC03+C03) | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 36.143 | 41.911 | 76.347 | 80.855 |
| (CA+MG)*100/(NA+K+CA+MG) | 63.857 | 58.089 | 23.653 | 19.145 |

第15-2表 吾妻南部地域水質一覽表(つづき)

| | TYC 17 | TYC 18 | TYC 19 | TYC 20 |
|----------------------------------|----------|---------|-----------|----------|
| NO | | | | |
| TEMP | | | | |
| TSM | 1141.800 | 509.500 | 1042.000 | 1405.000 |
| PH(FD) | 2.80 | 8.03 | 2.40 | 6.80 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | 0.428 | | 4.032 | |
| K | 16.090 | 10.140 | 26.560 | 42.180 |
| NA | 53.020 | 164.700 | 26.560 | 302.900 |
| NH4 | | | 0.283 | 16.750 |
| CA | 94.040 | 6.640 | 0.331 | 103.230 |
| MG | 12.210 | 12.770 | 1.051 | 31.510 |
| FF | 2.797 | 0.149 | 0.005 | 1.030 |
| MN | 1.297 | | 1.800 | 0.007 |
| ZN | | | | 0.008 |
| CU | | | | 0.001 |
| PB | | | | |
| AL | 56.810 | 2.200 | 0.245 | 0.054 |
| CL | 41.250 | 128.400 | 85.760 | 25.350 |
| BR | | | 0.684 | |
| I | | | | |
| F | | | 0.500 | 4.918 |
| OH | | | | |
| SO4 | 654.100 | 17.760 | 457.500 | 331.400 |
| SO3 | | | | 6.900 |
| HC03 | | 117.500 | 0.006 | 809.300 |
| CO3 | | 59.320 | 1.977 | 1.660 |
| SI02 (MG/KG)(MMOL/KG) | 1.34.935 | 23.744 | 0.395 | 107.548 |
| HB02 | | | 3.402 | 0.078 |
| H3PO4 | 1.259 | | 0.167 | 0.002 |
| HAS02 | | | | 1.528 |
| CO2 | | | | |
| H2S | 183.200 | 19.270 | 52.350 | 78.100 |
| RN (*E-10 CUR/IE/L) | | | 0.273 | 1.774 |
| NA/K | 5.604 | 27.621 | 1.700 | |
| CA/(HC03+CO3) | | 0.085 | 18267.236 | 12.212 |
| MG/CA | 0.214 | 3.172 | 0.294 | 0.387 |
| NA/CA | 0.491 | 21.623 | 0.643 | 0.503 |
| CL/(HC03+CO3) | | 0.928 | 24601.277 | 2.538 |
| CL/F | | | 91.918 | 0.054 |
| CL*100/(CL+SO4+HC03+CO3) | | 45.880 | 20.254 | 2.762 |
| SO4*100/(CL+SO4+HC03+CO3) | | 4.684 | 79.745 | 3.416 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | | 49.437 | 0.001 | 32.959 |
| (NA+K)*100/(NA+K+CA+MG) | | 84.304 | 44.104 | 63.625 |
| CA*100/(NA+K+CA+MG) | 32.298 | 3.763 | 43.192 | 64.798 |
| MG*100/(NA+K+CA+MG) | 11.940 | 11.933 | 12.704 | 23.415 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | | 50.563 | 99.999 | 11.787 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | | 49.437 | 0.001 | 36.375 |
| (NA+K)*100/(NA+K+CA+MG) | 32.298 | 84.304 | 44.104 | 63.625 |
| (CA+MG)*100/(NA+K+CA+MG) | 67.702 | 15.696 | 55.896 | 64.798 |

第15-2表 吾妻南部地域水質一覧表 (つづき)

| | TYC 21 | TYC 22 | TYC 23 | TYC 24 |
|----------------------------------|-------------|---------|---------|---------|
| NO | | | | |
| TEMP | 11.32, 5.00 | 989.400 | 616.000 | 100.000 |
| TSM | 6.60 | 8.20 | 5.80 | 6.70 |
| PH(FD) | | | | |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | TR. |
| K | 16.100 | 0.412 | 92.670 | 34.810 |
| NA | 287.400 | 12.502 | 125.670 | 275.200 |
| NH4 | | | | 1.933 |
| CA | 107.900 | 5.384 | 49.170 | 53.430 |
| MG | 2.000 | 0.165 | 1.147 | 2.666 |
| FE | 2.910 | 0.104 | 2.220 | 10.380 |
| MN | | | 1.590 | 0.285 |
| ZN | | | | 0.034 |
| CU | | | | 0.001 |
| PP | | | | |
| AL | 1.500 | 0.167 | 1.640 | 2.330 |
| CL | 145.800 | 4.113 | 116.770 | 179.800 |
| BR | | | 79.200 | 0.201 |
| I | | | | 0.003 |
| F | | | | 1.500 |
| OH | | | | 0.079 |
| SD4 | 147.100 | 3.479 | 202.570 | 116.500 |
| S203 | | | | 2.426 |
| HC03 | 250.706 | 4.110 | 255.740 | |
| C03 | | | | 495.000 |
| ST02 (MG/KG) (MMGL/KG) | | | | |
| HR02 | 5.762 | 0.096 | 84.692 | 70.614 |
| H3P04 | 2.300 | 0.032 | | 14.182 |
| HAS02 | | | | 0.019 |
| C02 | 92.623 | 1.877 | 10.710 | 0.032 |
| H2S | 1.499 | 0.044 | 5.251 | 77.650 |
| RN (*E-10 CURTE/L) | | | | 6.738 |
| NA/K | 30.356 | 25.881 | 2.324 | 13.444 |
| CA/(HC03+C03) | 1.310 | 0.301 | 0.585 | |
| MG/CA | 0.031 | 0.396 | 0.074 | 0.320 |
| NA/CA | 2.322 | 3.974 | 2.246 | 4.490 |
| CL/(HC03+C03) | 1.001 | 0.343 | 0.533 | |
| CL/F | | | | 64.237 |
| CL*100/(CL+S04+HC03+C03) | 35.147 | 20.457 | 20.992 | |
| S04*100/(CL+S04+HC03+C03) | 29.729 | 19.901 | 39.626 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 35.124 | 59.641 | 39.382 | |
| (NA+K)*100/(NA+K+CA+MG) | 69.946 | 74.725 | 74.933 | 78.511 |
| CA*100/(NA+K+CA+MG) | 29.163 | 18.103 | 23.330 | 16.275 |
| MG*100/(NA+K+CA+MG) | 0.891 | 7.173 | 1.737 | 5.214 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 64.876 | 40.359 | 60.618 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 35.124 | 59.641 | 39.382 | |
| (NA+K)*100/(NA+K+CA+MG) | 69.946 | 74.725 | 74.933 | 78.511 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.034 | 25.275 | 25.067 | 21.489 |

第15-2表 吾妻南部地域水質一覧表 (つづき)

| | TYC 25 | TYC 26 | TYC 27 | TYC 28 |
|----------------------------------|---------|---------|---------|----------|
| NO | | | | |
| TEMP | 827.400 | 617.500 | 921.200 | 1378.000 |
| TSM | 8.30 | 7.00 | 6.80 | 6.60 |
| PH(PD) | | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | TR. |
| K | 14.300 | 0.366 | 18.800 | 38.020 |
| NA | 131.900 | 5.720 | 237.700 | 374.900 |
| NH4 | | | 5.200 | 0.387 |
| CA | 68.000 | 3.393 | 1.307 | 65.000 |
| MG | 13.700 | 1.127 | 42.900 | 3.244 |
| FE | 21.300 | 5.576 | 7.900 | 14.750 |
| MN | | 0.763 | 2.800 | 0.650 |
| ZN | | 1.057 | 0.100 | 0.003 |
| CU | | | | |
| PB | | | | |
| AL | 3.000 | 0.334 | 2.400 | 0.462 |
| CL | 76.900 | 2.158 | 115.500 | 209.900 |
| BR | | | | 0.337 |
| I | | | | 2.000 |
| F | | | | 178.100 |
| OH | 221.500 | 5.461 | 131.700 | 735.600 |
| S2O3 | 240.700 | 3.945 | 501.179 | 0.156 |
| HC03 | | | | 0.462 |
| C03 | | | | 5.921 |
| S102 (MG/KG)(MMOL/KG) | 127.935 | 1.372 | 1.442 | 2.157 |
| HB02 | 4.500 | 0.103 | | 94.508 |
| H3P04 | | | | 0.059 |
| HAS02 | | 6.323 | | 0.001 |
| C02 | | | | 0.216 |
| H2S | | 38.450 | 142.800 | 180.100 |
| | | 1.912 | 3.843 | 3.547 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 15.638 | 9.535 | 21.501 | 16.768 |
| CA/(HC03+C03) | 0.4630 | 0.269 | 0.261 | 0.269 |
| MG/CA | 0.332 | 0.351 | 0.304 | 0.374 |
| NA/CA | 1.826 | 3.866 | 4.830 | 5.028 |
| CL/(HC03+C03) | 0.547 | 0.728 | 0.397 | 0.491 |
| CL/F | | | | 56.243 |
| CL*100/(CL+S04+HC03+C03) | 18.038 | 27.721 | 22.922 | 27.298 |
| S04*100/(CL+S04+HC03+C03) | 68.987 | 34.201 | 19.290 | 17.095 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 32.975 | 38.078 | 57.788 | 55.607 |
| (NA+K)*100/(NA+K+CA+MG) | 57.350 | 76.435 | 79.497 | 79.495 |
| CA*100/(NA+K+CA+MG) | 31.991 | 17.443 | 15.727 | 14.921 |
| MG*100/(NA+K+CA+MG) | 10.629 | 6.122 | 4.776 | 5.584 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 67.025 | 61.922 | 42.212 | 44.393 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 32.975 | 38.078 | 57.788 | 55.607 |
| (NA+K)*100/(NA+K+CA+MG) | 57.340 | 76.435 | 79.497 | 79.495 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.620 | 23.565 | 20.503 | 20.505 |

第15-2表 吾妻南部地域水質一覧表(つづき)

| NO | TYC 29 | TYC 30 | TYC 31 | TYC 32 |
|----------------------------------|----------|---------|---------|---------|
| TEMP | 1332.000 | 861.000 | 862.400 | 927.800 |
| TSM | 8.80 | 7.80 | 8.60 | 7.10 |
| PH(FD) | - | - | - | - |
| PH(FLP) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 26.000 | 16.740 | 0.428 | 0.411 |
| NA | 429.400 | 269.920 | 11.742 | 11.813 |
| NH4 | - | - | - | - |
| CA | 6.300 | 51.370 | 2.563 | 2.017 |
| MG | 4.600 | 12.600 | 1.037 | 0.657 |
| FE | 0.400 | 1.590 | 0.057 | 0.064 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.700 | 2.020 | 0.225 | 0.454 |
| CL | 261.100 | 87.840 | 2.478 | 3.123 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 179.900 | 90.120 | 1.876 | 2.358 |
| S203 | - | - | - | - |
| HC03 | 503.515 | 711.800 | 11.666 | 9.739 |
| C03 | 44.827 | 1.494 | - | - |
| SI02 (MG/KG)(MMOL/KG) | 132.473 | 77.130 | 1.284 | 1.485 |
| HB02 | 18.101 | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | - | 24.340 | 0.553 | 1.784 |
| H2S | 0.999 | 1.015 | 0.030 | 0.064 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 28.085 | 27.420 | 28.773 | 8.361 |
| CA/(HC03+C03) | 0.032 | 0.220 | 0.207 | 2.293 |
| MG/CA | 1.204 | 0.404 | 0.326 | 0.249 |
| NA/CA | 59.417 | 4.581 | 5.857 | 0.231 |
| CL/(HC03+C03) | 0.756 | 0.212 | 0.321 | 0.473 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 35.313 | 15.467 | 20.522 | 13.366 |
| S04*100/(CL+S04+HC03+C03) | 17.957 | 11.712 | 15.491 | 58.392 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 46.729 | 72.821 | 63.987 | 28.242 |
| (NA+K)*100/(NA+K+CA+MG) | 96.542 | 77.170 | 82.053 | 17.129 |
| CA*100/(NA+K+CA+MG) | 1.569 | 16.255 | 13.539 | 66.333 |
| MG*100/(NA+K+CA+MG) | 1.889 | 6.575 | 4.408 | 16.538 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 53.271 | 27.179 | 36.013 | 71.758 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 46.729 | 72.821 | 63.987 | 28.242 |
| (NA+K)*100/(NA+K+CA+MG) | 96.542 | 77.170 | 82.053 | 17.129 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.458 | 22.830 | 17.947 | 82.871 |

第15-2表 吾妻南部地域水質一覽表(つづき)

| | TYC 33 | TYC 34 | TYC 35 | TYC 36 |
|----------------------------------|---------|---------|----------|----------|
| NO | | | | |
| TEMP | | | | |
| TSM | 746.400 | 886.800 | 1672.000 | 1625.600 |
| PH(FD) | 7.90 | 7.60 | 6.60 | 8.40 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 60.190 | 16.000 | 43.320 | 1.650 |
| NA | 166.500 | 74.000 | 246.600 | 435.250 |
| NH4 | 0.155 | 0.009 | 10.940 | 0.607 |
| CA | 59.930 | 2.991 | 6.826 | 6.312 |
| MG | 3.059 | 0.663 | 37.610 | 31.520 |
| FE | 0.940 | 0.001 | 1.882 | 6.330 |
| MN | 0.025 | 0.001 | 0.026 | 3.610 |
| ZN | | | | 0.129 |
| CU | 0.016 | 0.001 | 0.022 | |
| PB | | | | |
| AL | 0.712 | 0.700 | 0.175 | 0.970 |
| CL | 99.030 | 2.512 | 55.170 | 181.300 |
| BR | 0.216 | 0.003 | | 5.114 |
| I | | | | |
| F | 2.398 | 0.126 | 1.878 | |
| OH | | | | |
| SO4 | 221.500 | 4.612 | 275.300 | 155.800 |
| S2O3 | | | | 3.244 |
| HC03 | 205.200 | 3.363 | 880.500 | 787.800 |
| CO3 | 0.930 | 0.031 | 0.220 | 12.912 |
| SI02 (MG/KG)(MMBL/KG) | | | | |
| HB02 | 52.411 | 0.873 | 105.248 | 117.672 |
| H3P04 | 3.997 | 0.091 | 17.011 | 1.959 |
| HAS02 | 0.392 | 0.004 | 1.333 | |
| CO2 | 0.290 | 0.003 | | |
| H2S | 6.412 | 0.146 | 196.900 | 37.530 |
| | | | 1.523 | 1.086 |
| RN (*E-10 CURP/L) | | | | |
| NA/K | 4.704 | 7.865 | 9.680 | 448.584 |
| CA/(HC03+CO3) | 0.881 | 2.260 | 0.437 | 0.122 |
| MG/CA | 0.222 | 0.149 | 0.480 | 0.331 |
| NA/CA | 2.422 | 0.472 | 1.699 | 12.038 |
| CL/(HC03+CO3) | 0.740 | 0.827 | 0.108 | 0.396 |
| CL/F | 19.896 | | 15.743 | |
| CL*100/(CL+S04+HC03+CO3) | 23.880 | 21.436 | 7.163 | 24.045 |
| SO4*100/(CL+S04+HC03+CO3) | 43.848 | 52.658 | 26.381 | 15.250 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 32.272 | 25.907 | 66.456 | 60.705 |
| (NA+K)*100/(NA+Y+CA+MG) | 70.620 | 31.619 | 55.715 | 90.063 |
| CA*100/(NA+Y+CA+MG) | 24.047 | 59.489 | 29.716 | 7.865 |
| MG*100/(NA+K+CA+MG) | 5.333 | 8.892 | 14.570 | 2.472 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 67.728 | 74.093 | 33.544 | 39.295 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 32.272 | 25.907 | 66.456 | 60.705 |
| (NA+K)*100/(NA+Y+CA+MG) | 70.620 | 31.619 | 55.715 | 90.063 |
| (CA+MG)*100/(NA+K+CA+MG) | 29.380 | 68.381 | 44.285 | 9.937 |

第15-2表 吾妻南部地域水質一覽表 (つづき)

| | TYC 37 | TYC 38 | TYC 39 | TYC 40 |
|----------------------------------|----------|---------|---------|----------|
| NO | — | — | — | — |
| TEMP | 1136.000 | 820.800 | 353.200 | 1159.200 |
| TSM | 7.80 | 8.20 | 6.30 | 2.40 |
| PH(FD) | — | — | — | — |
| PH(CLR) | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — |
| K | 19.310 | 0.494 | 0.247 | 4.800 |
| NA | 358.100 | 15.577 | 7.870 | 0.400 |
| NH4 | — | 9.650 | 3.860 | 10.600 |
| CA | 37.590 | 180.920 | 25.920 | 0.461 |
| MG | 9.590 | 92.650 | 45.560 | 48.500 |
| FE | 1.590 | 6.030 | 10.360 | 2.420 |
| MN | — | 2.830 | 2.300 | 0.853 |
| ZN | — | — | — | 10.900 |
| CU | — | — | — | — |
| AL | 2.020 | 0.225 | 0.095 | — |
| CL | 201.720 | 92.830 | 0.370 | 15.700 |
| BR | — | — | — | 6.000 |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 96.670 | 230.680 | 4.803 | 239.500 |
| S203 | — | — | — | — |
| HC03 | 683.020 | 325.180 | 5.330 | — |
| C03 | — | 16.150 | 0.538 | — |
| SI02 (MG/KG)(MMOL/KG) | 109.941 | 79.238 | 1.319 | 134.858 |
| HR02 | — | — | — | — |
| H3PO4 | — | — | — | — |
| HAS02 | — | — | — | — |
| C02 | 60.900 | — | — | — |
| H2S | 7.208 | — | — | — |
| RN (*F-10 CURIE/L) | — | — | — | — |
| NA/K | 31.536 | 31.882 | 11.419 | 45.065 |
| CA/(HC03+C03) | 0.168 | 0.788 | 0.848 | — |
| MG/GA | 0.438 | 0.107 | 0.375 | 0.054 |
| NA/GA | 8.305 | 1.702 | 0.496 | 0.191 |
| CL/(HC03+C03) | 0.508 | 0.446 | 0.004 | — |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 30.112 | 19.705 | 0.236 | — |
| S04*100/(CL+S04+HC03+C03) | 10.650 | 36.140 | 39.270 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 59.238 | 44.155 | 60.494 | — |
| (NA+K)*100/(NA+K+CA+MG) | 85.626 | 61.323 | 28.175 | 15.591 |
| CA*100/(NA+K+CA+MG) | 9.994 | 34.928 | 52.236 | 80.054 |
| MG*100/(NA+K+CA+MG) | 4.380 | 3.749 | 19.588 | 4.355 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 40.762 | 55.845 | 39.506 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 59.238 | 44.155 | 60.494 | — |
| (NA+K)*100/(NA+K+CA+MG) | 85.626 | 61.323 | 28.175 | 15.591 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.374 | 38.677 | 71.823 | 84.409 |

第15-2表 吾妻南部地域水質一覽表 (つづき)

| NO | TYC 41 | TYC 42 | TYC 43 | TYC 44 |
|----------------------------------|---------|---------|----------|----------|
| TEMP | 240.400 | 452.900 | 1244.000 | 1306.200 |
| TSM | 4.60 | - | 2.45 | - |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG) (MVAI /%) | - | - | - | - |
| K | 6.445 | 1.100 | 2.016 | 3.000 |
| NA | 75.370 | 3.279 | 8.153 | 2.976 |
| NH4 | 0.515 | 0.029 | 33.000 | 2.500 |
| CA | 4.360 | 0.218 | 0.128 | 0.064 |
| MG | 0.480 | 0.040 | 21.090 | 1.052 |
| FE | 0.019 | 0.395 | 10.200 | 0.839 |
| MN | - | 0.448 | 77.540 | 2.777 |
| ZN | - | - | 0.500 | 0.018 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.728 | 0.934 | 4.964 | 61.200 |
| CL | 14.020 | 0.186 | 27.050 | 6.800 |
| BR | - | - | 0.052 | 0.001 |
| I | 0.910 | - | 1.073 | - |
| OH | - | - | - | - |
| S04 | 39.710 | 2.655 | 406.400 | 546.200 |
| S203 | 65.650 | 0.742 | - | - |
| HC03 | 51.600 | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMPL/KG) | - | - | - | - |
| HB02 | 33.080 | 0.634 | 448.194 | 7.462 |
| H3P04 | 0.285 | 0.006 | - | 220.404 |
| HAS02 | 0.687 | 0.007 | 2.920 | 2.300 |
| CO2 | - | - | 0.029 | - |
| H2S | - | 31.400 | - | - |
| | - | 3.287 | 11.980 | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 19.887 | 30.919 | 6.883 | 10.271 |
| CA/(HC03+CO3) | 0.102 | 1.083 | - | - |
| MG/CA | 0.182 | 0.492 | 0.798 | 0.116 |
| NA/CA | 15.070 | 1.083 | 1.364 | 0.264 |
| CL/(HC03+CO3) | 0.186 | 0.251 | - | - |
| CL/F | 3.256 | - | 13.510 | - |
| CL*100/(CL+S04+HC03+CO3) | 11.801 | 5.197 | - | - |
| S04*100/(CL+S04+HC03+CO3) | 24.668 | 74.094 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 63.531 | 20.710 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 93.053 | 42.839 | 46.497 | 20.601 |
| CA*100/(NA+K+CA+MG) | 5.879 | 38.320 | 29.764 | 71.167 |
| MG*100/(NA+K+CA+MG) | 1.067 | 18.840 | 23.739 | 8.232 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 36.469 | 79.290 | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 63.531 | 20.710 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 93.053 | 42.839 | 46.497 | 20.601 |
| (CA+MG)*100/(NA+K+CA+MG) | 6.947 | 57.161 | 53.503 | 79.399 |

第15-2表 吾妻南部地域水質一覽表(つづき)

| NO | TYC 45 | TYC 46 | TYC 47 | TYC 48 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 472.800 | 314.100 | 717.700 | 498.200 |
| TSM | 6.40 | 6.50 | 6.60 | 6.48 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 15.200 | 75.700 | 66.000 | 9.788 |
| NA | 67.700 | 58.700 | 113.900 | 3.242 |
| NH4 | - | - | - | 0.799 |
| CA | 35.600 | 32.400 | 33.200 | 1.766 |
| MG | 8.400 | 13.200 | 13.700 | 35.390 |
| FE | 2.000 | 7.600 | 11.400 | 13.010 |
| MN | - | - | - | 1.587 |
| ZN | - | - | - | 0.200 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.300 | 0.800 | 0.400 | 3.397 |
| CL | 4.700 | 15.200 | 15.200 | 4.627 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 1.500 | 5.300 | 87.700 | 2.302 |
| S203 | - | - | - | - |
| HCO3 | - | - | - | - |
| CO3 | 350.300 | 532.200 | 465.000 | 403.800 |
| ST02 (MG/KG)(MMOL/KG) | 177.785 | 174.400 | 169.323 | 166.861 |
| HB02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | 0.900 |
| CO2 | - | - | - | - |
| H2S | 56.000 | 106.300 | 110.600 | 158.300 |
| PN (*E=10 CURIE/L) | - | - | - | - |
| NA/K | 7.574 | 2.217 | 2.935 | 12.950 |
| CA/(HCO3+CO3) | 0.309 | 0.185 | 0.217 | 0.267 |
| MG/CA | 0.389 | 0.672 | 0.681 | 0.606 |
| NA/CA | 1.658 | 2.656 | 2.991 | 1.836 |
| CL/(HCO3+CO3) | 0.023 | 0.049 | 0.056 | 0.020 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 2.245 | 4.630 | 4.342 | 1.920 |
| S04*100/(CL+S04+HCO3+CO3) | 0.529 | 1.191 | 18.488 | 0.705 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 97.226 | 94.179 | 77.170 | 97.374 |
| (NA+K)*100/(NA+K+CA+MG) | 57.464 | 69.741 | 70.467 | 55.185 |
| CA*100/(NA+K+CA+MG) | 30.621 | 18.099 | 17.574 | 27.901 |
| MG*100/(NA+K+CA+MG) | 11.915 | 12.160 | 11.959 | 16.915 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 2.774 | 5.821 | 22.830 | 2.626 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 97.226 | 94.179 | 77.170 | 97.374 |
| (NA+K)*100/(NA+K+CA+MG) | 57.464 | 69.741 | 70.467 | 55.185 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.536 | 30.259 | 29.533 | 44.815 |

第15-2表 吾妻南部地域水質一覽表(つづき)

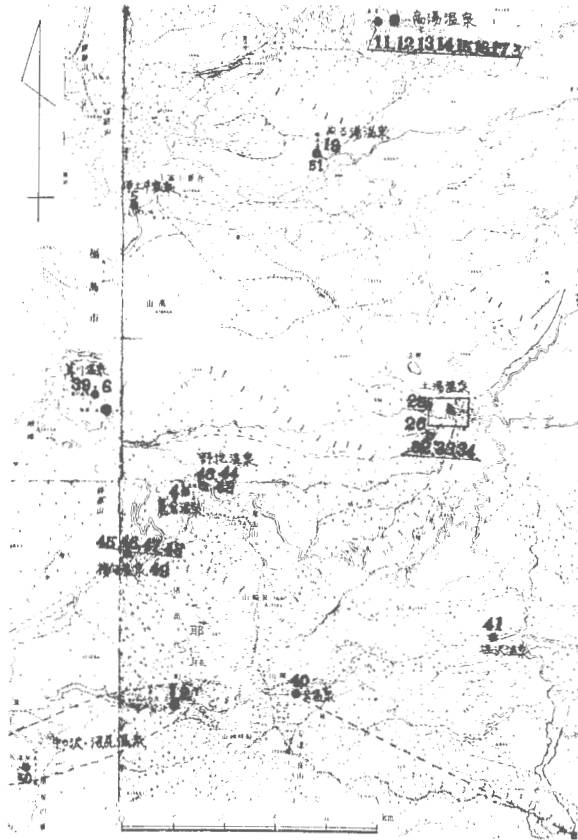
| NO | TYC 49 | TYC 50 | TYC 51 | TYC 52 |
|----------------------------------|---------|----------|----------|----------|
| TEMP | 361.600 | 3499.200 | 1011.000 | 1102.400 |
| TSM | 7.00 | 1.70 | 2.80 | 8.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | 13.300 | 1.613 | 1.600 |
| K | 23.080 | 27.700 | 25.530 | 19.310 |
| NA | 41.290 | 1.796 | 32.690 | 337.220 |
| NH4 | 0.515 | 1.700 | 0.296 | 0.016 |
| CA | 39.570 | 223.000 | 37.430 | 32.820 |
| MG | 8.518 | 20.200 | 4.434 | 7.160 |
| FE | 1.063 | 45.200 | 100.000 | 3.830 |
| MN | - | - | 2.000 | 0.073 |
| ZN | - | - | - | - |
| CU | - | - | 0.020 | 0.001 |
| PB | - | - | - | - |
| AL | 1.050 | 149.100 | 30.920 | 0.100 |
| CL | 34.630 | 244.200 | 89.060 | 112.770 |
| BR | 0.063 | - | 4.103 | 0.051 |
| I | - | - | - | - |
| F | - | - | 0.600 | 0.032 |
| OH | - | - | - | - |
| S04 | 3.736 | 1300.200 | 481.500 | 114.940 |
| S203 | - | - | - | - |
| HCO3 | 200.100 | - | 0.073 | 0.001 |
| C03 | 0.120 | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 100.745 | 106.548 | 122.934 | 76.230 |
| HB02 | - | 13.600 | 2.835 | 0.065 |
| H3P04 | - | 1.736 | 0.039 | 0.000 |
| HAS02 | - | - | - | - |
| C02 | 48.030 | - | 271.700 | 31.280 |
| H2S | - | 2.200 | 0.204 | 7.004 |
| RN (*F-10 CURTIE/L) | - | - | - | - |
| NA/K | 3.042 | 3.100 | 2.177 | 29.697 |
| CA/(HCO3+C03) | 0.601 | - | 1561.056 | 0.137 |
| MG/CA | 0.355 | 0.149 | 0.195 | 0.360 |
| NA/CA | 0.910 | 0.197 | 0.761 | 8.957 |
| CL/(HCO3+C03) | 0.298 | - | 2099.829 | 0.267 |
| CL/F | - | - | 79.546 | - |
| CL*100/(CL+S04+HCO3+C03) | 22.518 | - | 20.044 | 18.171 |
| S04*100/(CL+S04+HCO3+C03) | 1.793 | - | 79.946 | 13.669 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 75.689 | - | 0.010 | 68.160 |
| (NA+K)*100/(NA+K+CA+MG) | 67.106 | 18.511 | 48.171 | 87.194 |
| CA*100/(NA+K+CA+MG) | 39.007 | 70.898 | 43.559 | 9.418 |
| MG*100/(NA+K+CA+MG) | 13.847 | 10.591 | 8.470 | 3.388 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 24.311 | - | 99.990 | 31.840 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 75.689 | - | 0.010 | 68.160 |
| (NA+K)*100/(NA+K+CA+MG) | 47.146 | 18.511 | 48.171 | 87.194 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.854 | 81.489 | 51.829 | 12.806 |

第15-3表 吾妻南部地域特定成分含量の頻度分布表

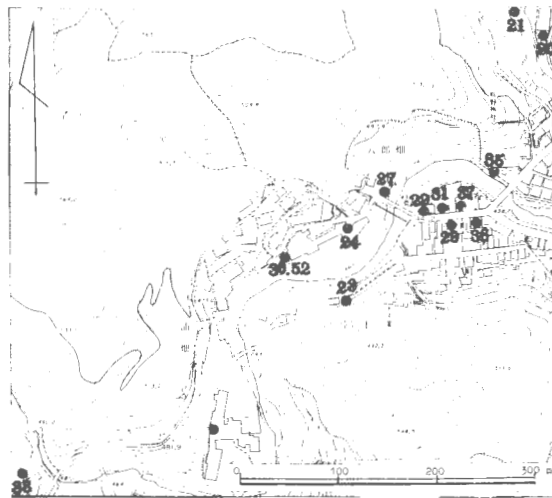
| FREQUENCY DATA OF Zn, Cu, Pb, AS, AME, H2S | |
|--|-------|
| Zn | Cu |
| N | N |
| 52 | 52 |
| F(%) | F(%) |
| 100.0 | 100.0 |
| 0 | 43 |
| 0 | 9 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| TOTAL | TOTAL |
| 52 | 52 |
| 100.0 | 100.0 |
| Pb | AS |
| N | N |
| 52 | 42 |
| F(%) | F(%) |
| 100.0 | 80.8 |
| 0 | 7 |
| 0 | 3 |
| 0 | 0 |
| 0 | 0 |
| TOTAL | TOTAL |
| 52 | 42 |
| 100.0 | 80.8 |
| H2S | |
| N | |
| 21 | |
| F(%) | |
| 41.4 | |
| 5 | |
| 9.5 | |
| 16 | |
| 31 | |
| 4 | |
| 7.7 | |
| 6 | |
| 11.0 | |
| TOTAL | |
| 52 | |
| 100.0 | |

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

第15-1図 吾妻南部地域における温泉の分布および試料採取地



第15-2図 試料採取地（上湯温泉中心部）

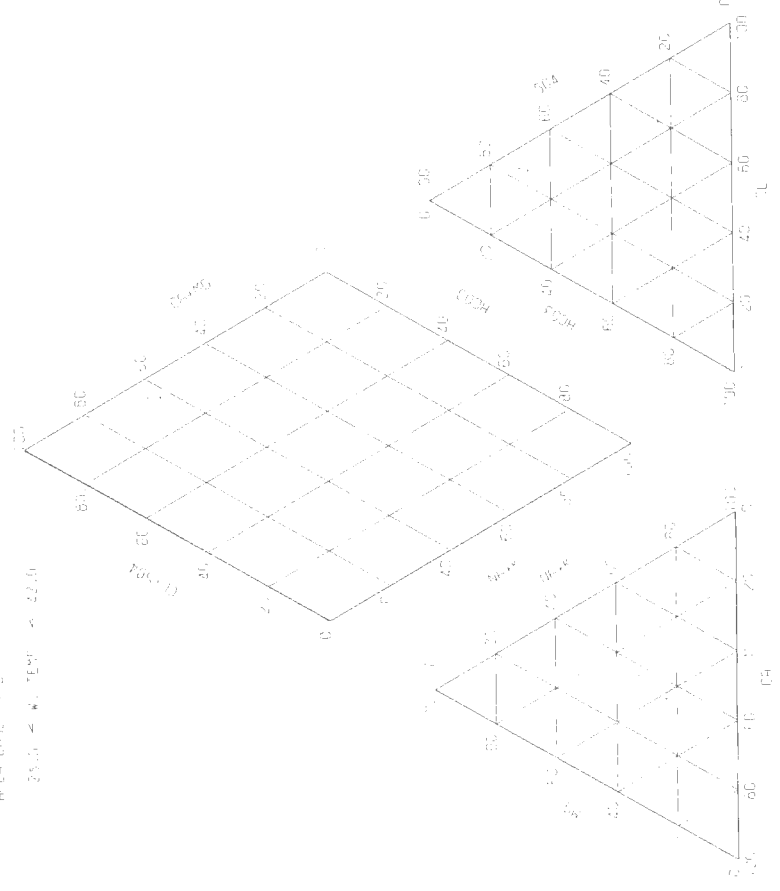


第15-3図 吾妻南部地域水質組成図(その1) (水温25℃以上42℃未満)

水質組成図

PPH4 (HCO₃⁻) 11%

25.0 ≤ W. TEMP. < 42.0

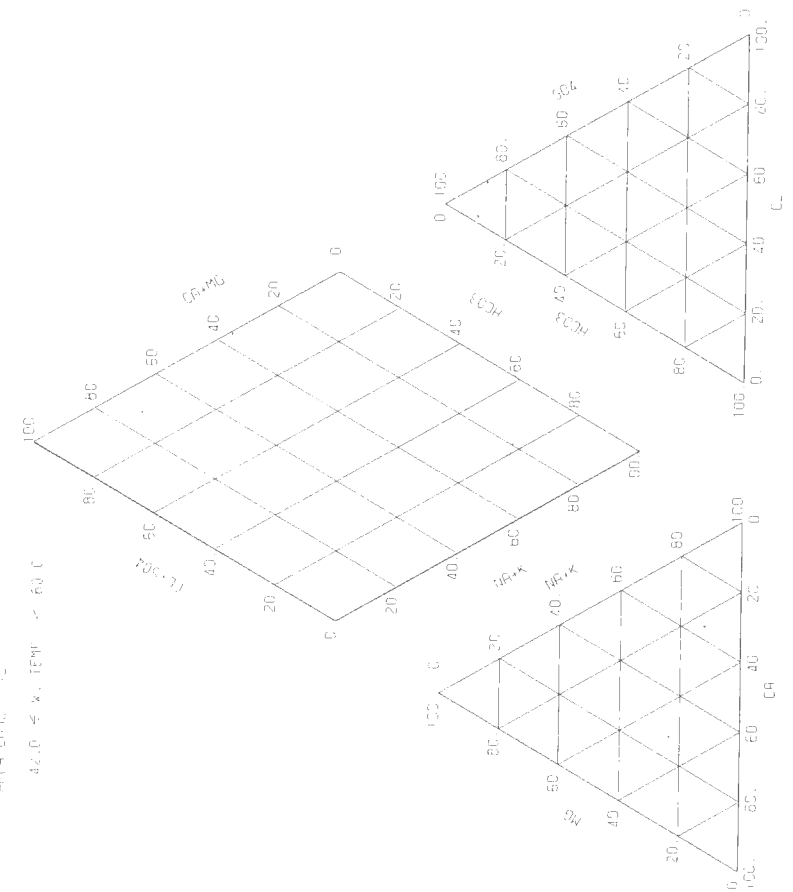


第15-3図 吾妻南部地域水質組成図(その2) (水温42℃以上60℃未満)

水質組成図

PPH4 (HCO₃⁻) 11%

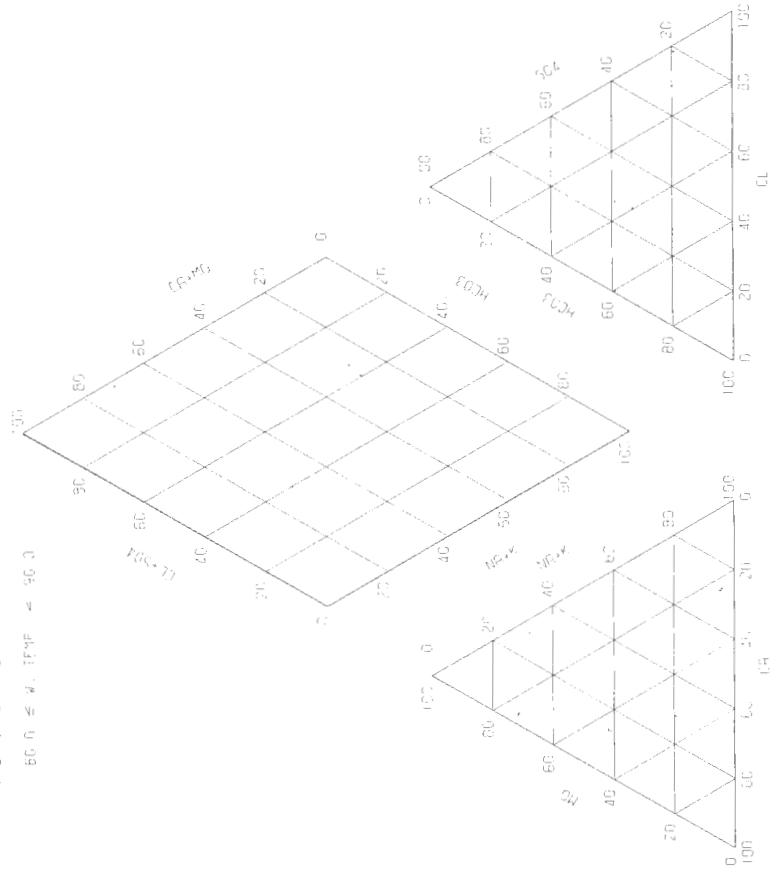
42.0 ≤ W. TEMP. < 60.0



第 15-3 図 吾妻南部地域水質組成図 (その 3) (水温60℃以上90℃未満)

30.14-42.0MP AREA CODE 14

60.0 ≤ W. TEMP < 90.0

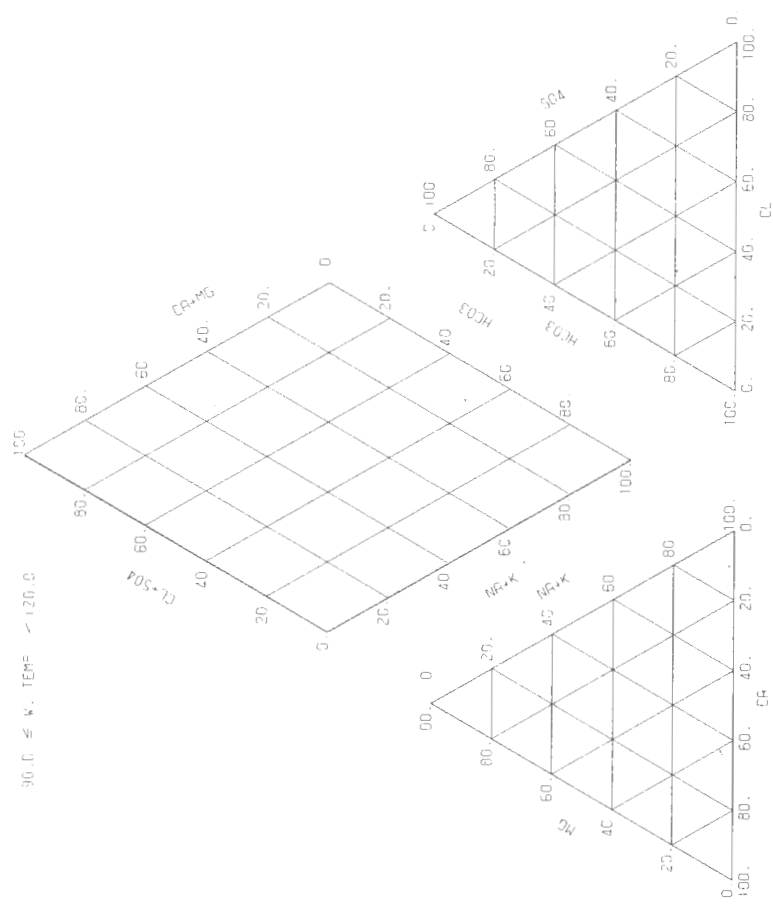


第 15-3 図 吾妻南部地域水質組成図 (その 4) (水温90℃以上120℃未満)

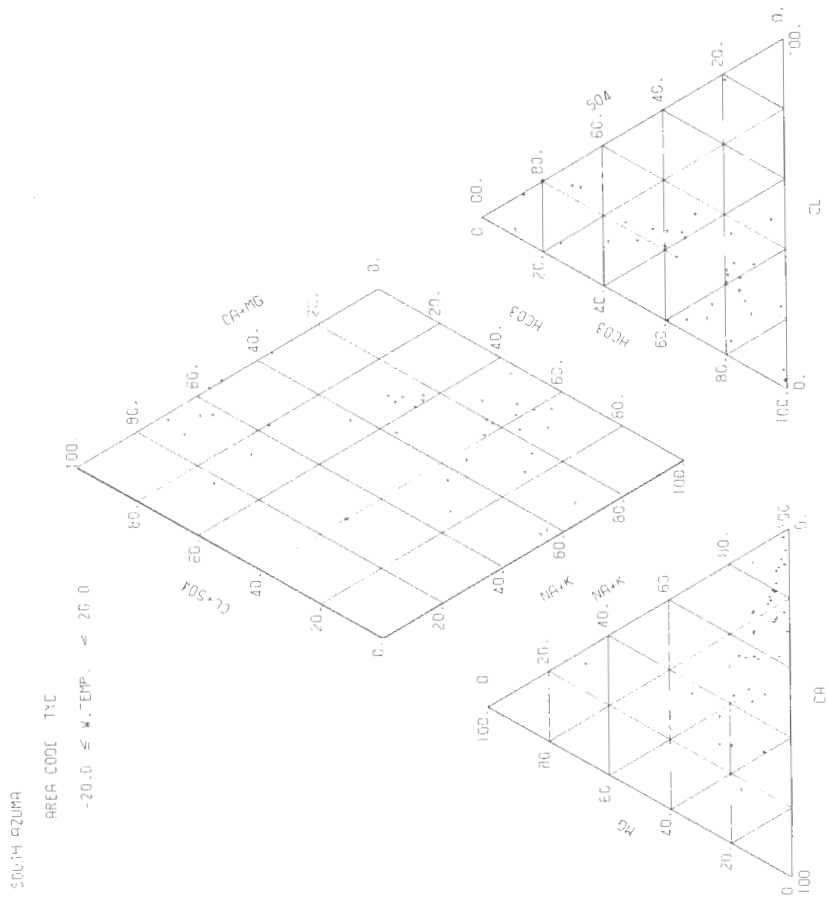
30.14-42.0MP

AREA CODE 14

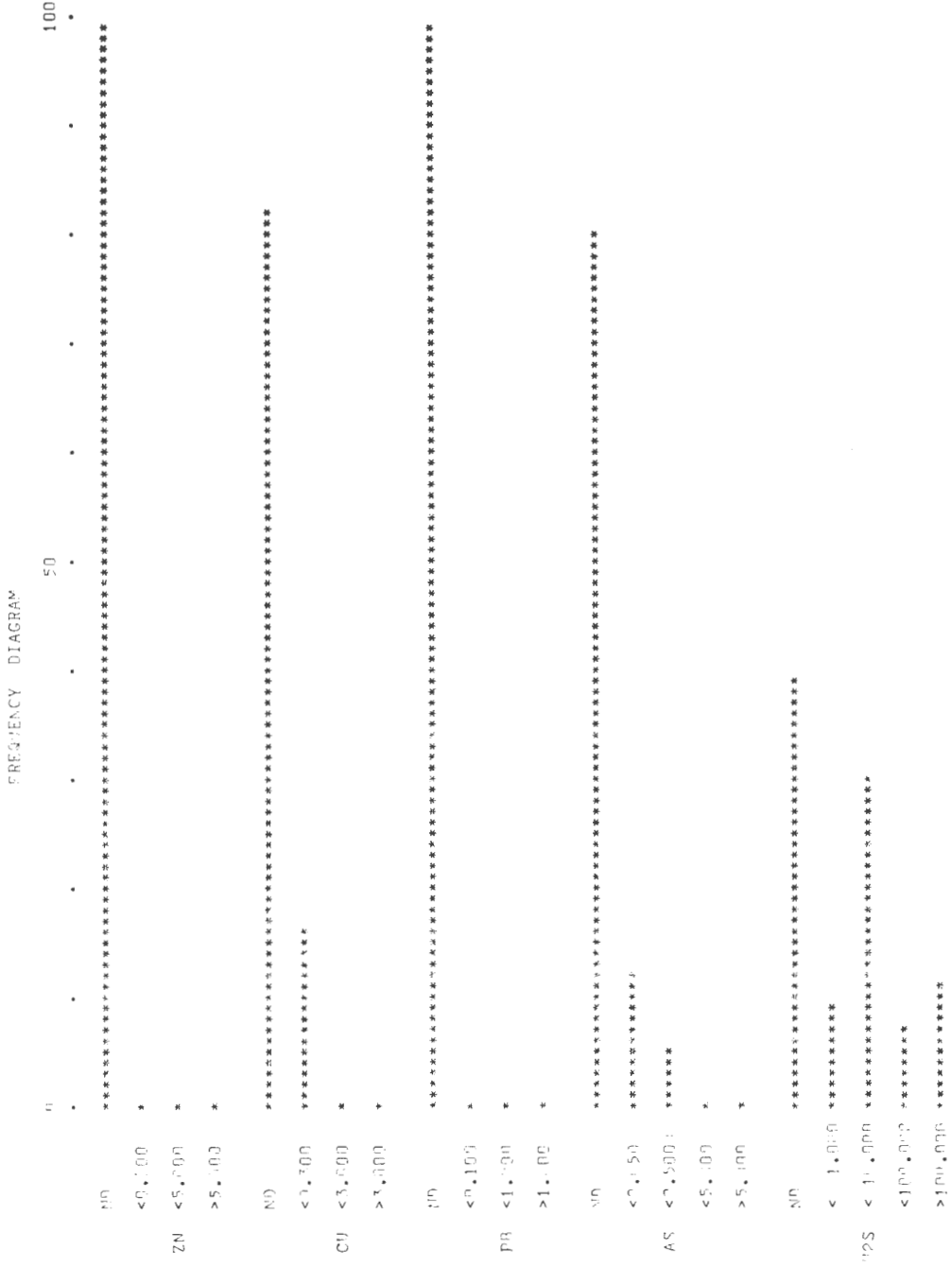
90.0 ≤ W. TEMP < 120.0



第15-4図 吾妻南部地域水質組成図(その5) (全試料)



第15-4図 吾妻南部地域特定成分含量の頻度分布図

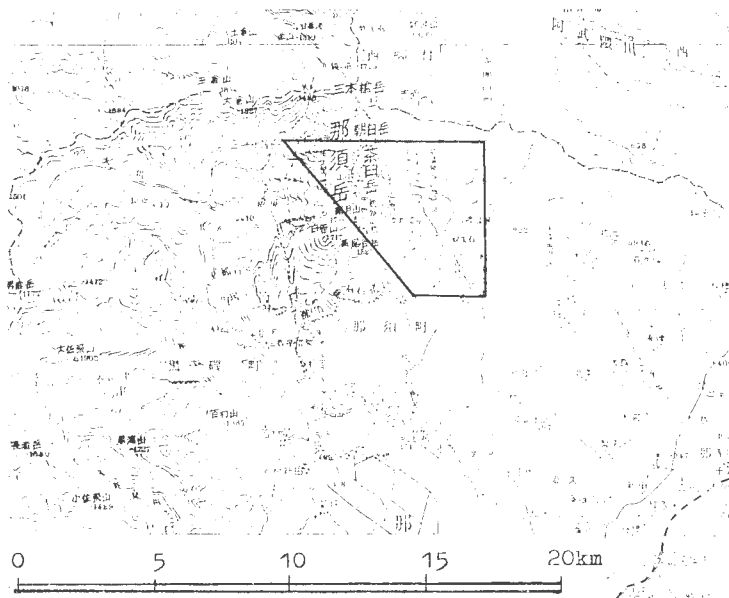


16. 那 須

Nasu

| | |
|-------|---------------|
| 位置 | 栃木県黒磯市，那須郡那須町 |
| データ数 | 60 |
| 収集・整理 | 阿部喜久男 |
| 協 力 | 栃木県衛生環境部，同電気局 |

調査位置図（20万分の1地勢図「白河，日光」）



第16-1表 那須地域試験料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|-------|-------------|-----------|----------|------------|------------|-------|---------------|----------------------|
| NSC-1 | 栃木県磯市高林三斗小屋 | 三斗小屋 | 噴 | 三本 | 1963.10 | 67 | | |
| "-2 | " | " | " | 檜 | " 10 | " | | |
| "-3 | " | 那須郡那須町 | (昆沙門沢) | 上下 | " 10 | " | | |
| "-4 | " | " | " | " | " 10 | " | | |
| "-5 | " | " | 那須岳国有林内 | 白湯 2号 | " 10 | " | | |
| "-6 | " | " | " | 白湯 上部 | " 10 | " | | |
| "-7 | " | " | " | 白湯 下部 | " 10 | " | | |
| "-8 | " | " | 湯本大丸上河川敷 | 明ばん沢最上流 | " 10 | " | | |
| "-9 | " | " | " | 明ばん上流ボーリング | " 10 | " | | |
| "-10 | " | " | " | 明ばん下流ボーリング | " 10 | " | | |
| "-11 | " | " | " | 室井ボーリング | " 10 | " | | |
| "-12 | " | " | " | 郭公 | " 10 | " | | D=0m, Q=24.6//m, F |
| "-13 | " | " | " | ケーブル下ボーリング | " 10 | " | | |
| "-14 | " | " | " | 上 | " 10 | " | | |
| "-15 | " | " | " | 下 | " 10 | " | | |
| "-16 | " | " | " | 地蔵の湯 | " 10 | " | | D=40.3m, Q=9.4//m, F |
| "-17 | " | " | " | 泉ボーリング | " 10 | " | | |
| "-18 | " | " | " | 弁天 | " 10 | " | | |
| "-19 | " | " | " | 下平 1号 | " 10 | " | | D=30.0m, Q=8.7//m, F |
| "-20 | " | 那須岳国有林215 | (飯盛) | 飯盛ボーリング | " 10 | " | | D=100m, Q=163//m, F |
| "-21 | " | " | (大丸) | 飯盛下噴気 | " 10 | " | | |
| "-22 | " | 湯本大丸上河川敷 | 大丸 | 稲川ボーリング | " 10 | " | | D=100m, Q=60//m, P |
| "-23 | " | " | " | 菅戸川関東 | " 10 | " | | D=0m, Q=60//m, F |
| "-24 | " | " | " | 湯の花採取所 | " 10 | " | | |
| "-25 | " | " | " | (高雄) | " 10 | " | | D=9m, Q=900//m, F |
| "-26 | " | " | " | (大丸) | " 10 | " | | D=100m, F |
| "-27 | " | " | " | 湯本大丸 | " 10 | " | | D=0m, Q=39.1//m, F |
| "-28 | " | " | " | 那須湯本 | " 10 | " | | |
| "-29 | " | " | " | " | " 10 | " | | |
| "-30 | " | " | " | 行人の湯(上流) | " 10 | " | | D=0m, Q=333//m, F |
| "-31 | " | " | " | 鹿の湯 | " 10 | " | | D=0m, Q=488//m, F |
| "-32 | " | " | " | 御所の湯 | " 10 | " | | D=0m, Q=24//m, F |
| "-33 | " | " | " | 小松滝の湯 | " 10 | " | | D=0m, Q=324//m, F |
| "-34 | " | " | " | 喜楽の湯 | " 10 | " | | D=0m, Q=10.3//m, F |
| "-35 | " | " | " | 回帰の湯 | " 10 | " | | D=0m, Q=14.4//m, F |
| "-36 | " | " | 那須岳国有林内 | 3, 4号混合 | 1972. 6. 9 | 69 | 甲1367 | Q=780//m, P |
| "-37 | " | " | " | 那須ロイヤルセンター | 1969.11.18 | " | | |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献中の no. | 文献中の 試料no. | 備考 |
|--------|-------------------------|-----|-------------------------|------------|-------------|---------------|--------------------|
| NSC-38 | 栃木県那須郡那須町湯本大丸上河川敷 | 大丸 | 稲川1号 | 1961.11.2 | 69 | 環 162 | D=100m, Q=40l/m, P |
| "-39 | " " " " " " " " " " " " | " | 奥の沢 | 1963.6.4 | " | " | " |
| "-40 | " " " " " " " " " " " " | " | 奥の沢混合 | " 6.4 | " | " | Q=1087l/m |
| "-41 | " " " " " " " " " " " " | " | 高久西原御用邸付属地内 | 1962.4.24 | " | " | Q=216l/m, F |
| "-42 | " " " " " " " " " " " " | " | 湯本大丸299の1 | " 4.24 | " | " | " |
| "-43 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | 1972.11.22 | " | " | D=0m, F |
| "-44 | " " " " " " " " " " " " | " | 湯本270の1 | 1964.7.29 | " | " | D=0m, F |
| "-45 | " " " " " " " " " " " " | " | 湯本西原地区御用料地内 | 1962.6.27 | " | " | D=0m, F |
| "-46 | " " " " " " " " " " " " | " | 高久西原御用邸付属地内 | 1956.6.27 | " | " | " |
| "-47 | " " " " " " " " " " " " | " | 湯本奥の沢147 | 1961.1.26 | " | " | Q=0.2l/m |
| "-48 | " " " " " " " " " " " " | " | 那須岳国有林215 | 1963.3.5 | " | " | Q=203l/m |
| "-49 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | " 9.4 | " | " | Q=112l/m |
| "-50 | " " " " " " " " " " " " | " | 湯本ツムジ平212の83河川敷地 | " 9.2 | " | " | " |
| "-51 | " " " " " " " " " " " " | " | 那須岳国有林136のろ小班 | 1968.5.30 | 50 | 甲 252 | D=0m, F |
| "-52 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | " 5.30 | " | 甲 251 | D=0m, F |
| "-53 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | " 5.30 | " | 甲 250 | D=0m, F |
| "-54 | " " " " " " " " " " " " | " | 湯本212 | 1963.12.18 | " | " | D=9.0m, F |
| "-55 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | 1961.11.1 | " | " | Q=320l/m |
| "-56 | " " " " " " " " " " " " | " | おだん下河川敷 | 1974.12.3 | " | 甲 1594 | Q=121l/m, F |
| "-57 | " " " " " " " " " " " " | " | ツムジ平213 | 1970.11.20 | " | " | Q=488l/m, F |
| "-58 | " " " " " " " " " " " " | " | " " " " " " " " " " " " | " 11.20 | " | " | Q=17.3l/m, F |
| "-59 | " " " " " " " " " " " " | " | 鹿の湯 | " 11.20 | " | " | D=0m, F |
| "-60 | " " " " " " " " " " " " | " | 御所の湯 | 1958.11.19 | " | " | D=0m, Q=31.7l/m, F |

温泉名の()は角(1975)にないもの、備考のDは深度(m)、Qは湧(揚)水量(l/m)、Fは自噴、Pはポンプ揚水、D=0m……Fは自然湧出を示す。さらに、備考の一部は文献19により原資料に加筆した。

第16-2表 那須地域水質一覽表

| | NSC 1 | NSC 2 | NSC 3 | NSC 4 |
|----------------------------------|---------|---------|---------|---------|
| NO | 99.8 | 96.0 | 13.5 | 19.5 |
| TEMP | 196.000 | - | - | - |
| TSM | 4.00 | 3.20 | 3.40 | 3.20 |
| PH(FD) | - | - | - | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(NYAL/KG) | - | - | - | - |
| K | 0.800 | 2.100 | 4.600 | 5.400 |
| NA | 1.900 | 4.000 | 15.100 | 17.200 |
| NH4 | - | - | - | - |
| CA | 3.600 | 22.800 | 158.800 | - |
| MG | 0.200 | 5.300 | 15.300 | - |
| FE | 0.300 | - | - | - |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 1.400 | 0.156 | - | - |
| CL | 3.500 | 2.700 | 8.000 | 7.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 2.500 | 134.000 | 522.500 | 619.200 |
| S203 | - | - | - | - |
| HC03 | 0.0 | 0.0 | 0.0 | 0.0 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 21.003 | 0.516 | - | - |
| H02 | 1.000 | 0.023 | - | - |
| H3PO4 | - | - | - | - |
| H2SO2 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 25.900 | 0.760 | - | 7.100 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 4.039 | 3.239 | 5.582 | 5.417 |
| CA/(HC03+C03) | - | - | - | - |
| MG/CA | 0.092 | 0.382 | 0.159 | - |
| NA/CA | 0.460 | 0.152 | 0.083 | - |
| CL/(HC03+C03) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 65.481 | 2.658 | 2.032 | 1.530 |
| S04*100/(CL+S04+HC03+C03) | 34.519 | 97.342 | 97.968 | 98.470 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 34.462 | 12.605 | 7.778 | - |
| CA*100/(NA+K+CA+MG) | 60.038 | 63.253 | 79.578 | - |
| MG*100/(NA+K+CA+MG) | 5.500 | 24.142 | 12.644 | - |
| (CL+S04)*100/(CL+S04+HC03+C03) | 100.000 | 100.000 | 100.000 | 100.000 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 34.462 | 12.605 | 7.778 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 65.538 | 27.395 | 92.222 | - |

第16-2表 那須地域水質一覧表 (つづき)

| NO | NSC 5 | NSC 6 | NSC 7 | NSC 8 |
|----------------------------------|----------|---------|----------|---------|
| TEMP | 33.0 | 39.0 | 41.0 | 30.0 |
| TSM | 187.200 | - | - | - |
| PH(FD) | 3.00 | 3.00 | 3.00 | 3.60 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 7.900 | 0.202 | 8.800 | 0.225 |
| NA | 102.100 | 4.441 | 102.100 | 4.000 |
| NH4 | - | - | - | 65.800 |
| CA | 172.700 | 8.618 | 215.500 | 10.753 |
| MG | 135.000 | 11.109 | 140.300 | 219.100 |
| FE | 0.800 | 0.029 | 10.895 | 67.900 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 36.400 | 4.047 | - | - |
| CL | 306.700 | 8.652 | 280.100 | 25.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 1124.400 | 23.410 | 1149.200 | 23.926 |
| S203 | - | - | - | - |
| HCO3 | 0.0 | 0.0 | 0.0 | 0.0 |
| CO3 | - | - | - | - |
| SiO2 (MG/KG)(MMOL/KG) | 144.013 | 2.398 | - | - |
| HR02 | 38.200 | 0.895 | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | 23.400 | 0.687 | 28.400 | 0.834 |
| RN (*F=10 CURIE/L) | - | - | - | - |
| NA/K | 21.978 | 20.189 | 19.730 | 27.974 |
| CA/(HCO3+CO3) | - | - | - | - |
| MG/CA | 1.289 | 1.160 | 1.074 | 0.511 |
| NA/CA | 0.515 | 0.473 | 0.413 | 0.262 |
| CL/(HCO3+CO3) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 26.585 | 25.168 | 24.826 | 3.147 |
| S04*100/(CL+S04+HCO3+CO3) | 73.015 | 74.832 | 75.174 | 96.853 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.0 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 19.054 | 18.681 | 17.305 | 15.215 |
| CA*100/(NA+K+CA+MG) | 35.362 | 37.656 | 39.879 | 56.110 |
| MG*100/(NA+K+CA+MG) | 45.585 | 43.663 | 42.816 | 28.676 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 100.000 | 100.000 | 100.000 | 100.000 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.0 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 19.054 | 18.681 | 17.305 | 15.215 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.946 | 31.319 | 32.695 | 84.785 |

第16-2表 那須地獄水質一覧表 (つづき)

| | NSC 21 | NSC 22 | NSC 23 | NSC 24 |
|----------------------------------|---------|---------|---------|----------|
| NO | 33.5 | 28.0 | 28.5 | 30.5 |
| TEMP | — | 563.000 | — | 1142.000 |
| TSM | 4.80 | 6.20 | 5.90 | 6.00 |
| PH(FD) | — | — | — | — |
| PH(LR) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | — | 8.900 | 11.400 | 9.800 |
| NA | — | 25.300 | 49.800 | 54.800 |
| NH4 | — | — | — | — |
| CA | — | 72.900 | 116.600 | 140.600 |
| MG | — | 31.500 | 41.400 | 6.180 |
| FE | — | 0.200 | — | 0.200 |
| MN | — | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | — | 2.500 | — | 0.400 |
| CL | 106.400 | 3.002 | 37.200 | 109.900 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | — | 161.700 | 374.400 | 440.300 |
| S203 | — | — | — | — |
| HCO3 | 18.300 | 216.500 | 207.700 | 170.800 |
| CO3 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | — | 87.546 | — | 118.549 |
| HB02 | — | — | — | 7.800 |
| H3PO4 | — | — | — | — |
| HAS02 | — | — | — | — |
| CO2 | — | — | — | — |
| H2S | 162.800 | 4.778 | — | — |
| RN (*E-10 CURIE/L) | — | — | — | — |
| NA/K | — | 4.834 | 7.429 | 9.509 |
| CA/(HCO3+CO3) | — | 1.025 | 1.709 | 2.506 |
| MG/CA | — | 0.713 | 0.586 | 0.072 |
| NA/CA | — | 0.303 | 0.372 | 0.340 |
| CL/(HCO3+CO3) | 10.007 | 0.197 | 0.308 | 1.107 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | — | 9.188 | 8.568 | 20.577 |
| S04*100/(CL+S04+HCO3+CO3) | — | 44.212 | 63.640 | 60.803 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 46.600 | 27.793 | 18.580 |
| (NA+K)*100/(NA+K+CA+MG) | — | 17.573 | 21.038 | 25.933 |
| CA*100/(NA+K+CA+MG) | — | 48.130 | 49.802 | 69.061 |
| MG*100/(NA+K+CA+MG) | — | 34.296 | 29.160 | 5.006 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | — | 53.400 | 72.207 | 81.420 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | 46.600 | 27.793 | 18.580 |
| (NA+K)*100/(NA+K+CA+MG) | — | 17.573 | 21.038 | 25.933 |
| (CA+MG)*100/(NA+K+CA+MG) | — | 82.427 | 78.962 | 74.067 |

第16-2表 那須地域水質一覧表 (つづき)

| | NSC 25 | NSC 26 | NSC 27 | NSC 28 |
|----------------------------------|----------|---------|---------|---------|
| NO | 41.0 | 94.0 | 35.0 | 46.0 |
| TEMP | 1218.000 | 999.000 | - | - |
| TSM | 5.80 | 5.60 | 6.40 | 3.10 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 15.400 | 10.100 | 15.100 | 5.900 |
| NA | 61.700 | 35.800 | 57.000 | 10.300 |
| NH4 | - | - | - | - |
| CA | 161.000 | 130.900 | 63.000 | 21.300 |
| MG | 6.140 | 39.800 | 3.275 | 1.063 |
| FE | 0.200 | 0.170 | 0.006 | 1.103 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 1.000 | 0.400 | - | - |
| CL | 54.900 | 1.400 | 19.500 | 8.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 463.000 | 540.200 | 11.247 | 417.200 |
| S203 | - | - | - | - |
| HCO3 | 187.600 | 6.100 | 260.400 | 0.0 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 149.013 | 104.009 | - | - |
| HR02 | - | 5.900 | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 64.200 | 1.884 | - | 0.800 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 6.813 | 6.028 | 6.419 | 2.969 |
| CA/(HCO3+C03) | 2.613 | 65.333 | 0.737 | - |
| MG/CA | 0.063 | 0.501 | 0.657 | 1.037 |
| NA/CA | 0.334 | 0.238 | 0.789 | 0.422 |
| CL/(HCO3+C03) | 0.871 | 0.395 | 0.129 | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 17.393 | 0.347 | 6.461 | 2.532 |
| S04*100/(CL+S04+HCO3+C03) | 62.630 | 98.775 | 43.408 | 97.468 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 19.977 | 0.878 | 50.131 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 26.487 | 15.622 | 35.490 | 21.666 |
| CA*100/(NA+K+CA+MG) | 69.137 | 56.200 | 38.932 | 38.447 |
| MG*100/(NA+K+CA+MG) | 4.376 | 28.179 | 25.579 | 39.887 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 80.023 | 99.122 | 49.869 | 100.000 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 19.977 | 0.878 | 50.131 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 26.487 | 15.622 | 35.490 | 21.666 |
| (CA+MG)*100/(NA+K+CA+MG) | 73.513 | 84.378 | 64.510 | 78.334 |

第16-2表 那須地蔵水質一覧表(つづき)

| | NSC 29 | | NSC 30 | | NSC 31 | | NSC 32 | |
|----------------------------------|----------|----------|----------|----------|---------|--------|---------|--------|
| NO | 60.5 | 59.3 | 78.0 | 73.0 | | | | |
| TEMP | 1139.000 | 1163.000 | 1308.000 | 1375.000 | | | | |
| TSM | 2.10 | 2.10 | 2.00 | 2.00 | | | | |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 6.640 | 0.169 | 6.500 | 0.166 | 8.100 | 0.207 | 8.600 | 0.220 |
| NA | 23.100 | 1.005 | 22.700 | 0.587 | 28.200 | 1.227 | 30.300 | 1.318 |
| NH4 | | | | | | | | |
| CA | 55.000 | 2.745 | 53.500 | 2.670 | 63.200 | 3.154 | 62.700 | 3.129 |
| MG | 20.500 | 1.627 | 20.100 | 1.654 | 24.900 | 2.049 | 23.200 | 1.909 |
| FE | 4.500 | 0.304 | 8.500 | 0.304 | 8.500 | 0.304 | 17.000 | 0.609 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | 24.800 | 2.758 | 24.700 | 2.746 | 32.700 | 3.636 | 24.100 | 2.680 |
| CL | 55.100 | 2.401 | 53.300 | 2.350 | 111.700 | 3.151 | 111.700 | 3.151 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 719.500 | 14.980 | 717.900 | 14.947 | 868.100 | 18.074 | 869.700 | 18.107 |
| S203 | | | | | | | | |
| HC03 | 0.0 | | 0.0 | | 0.0 | | 0.0 | |
| C03 | | | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 14.017 | 3.064 | 203.018 | 3.380 | 237.021 | 3.946 | 243.022 | 4.046 |
| HRO2 | 13.700 | 0.313 | | | | | 19.600 | 0.447 |
| H3PO4 | | | | | | | | |
| HAS02 | | | | | | | | |
| C02 | | | | | | | | |
| H2S | 15.000 | 0.440 | 15.000 | 0.440 | 6.700 | 0.197 | 3.300 | 0.097 |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 5.952 | 5.939 | | | 5.920 | | 5.991 | |
| CA/(HC03+C03) | | | | | | | | |
| MG/CA | 0.615 | 0.620 | | | 0.650 | | 0.610 | |
| NA/CA | 0.366 | 0.370 | | | 0.389 | | 0.421 | |
| CL/(HC03+C03) | | | | | | | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 13.812 | 13.586 | | | 14.846 | | 14.823 | |
| S04*100/(CL+S04+HC03+C03) | 86.183 | 86.414 | | | 85.154 | | 85.177 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | | | 0.0 | | 0.0 | |
| (NA+K)*100/(NA+K+CA+MG) | 20.939 | 21.063 | | | 21.606 | | 23.389 | |
| CA*100/(NA+K+CA+MG) | 48.964 | 48.739 | | | 47.520 | | 47.579 | |
| MG*100/(NA+K+CA+MG) | 30.096 | 30.197 | | | 30.875 | | 29.032 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 100.000 | 100.000 | | | 100.000 | | 100.000 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | | | 0.0 | | 0.0 | |
| (NA+K)*100/(NA+K+CA+MG) | 20.939 | 21.063 | | | 21.606 | | 23.389 | |
| (CA+MG)*100/(NA+K+CA+MG) | 79.061 | 78.937 | | | 78.394 | | 76.611 | |

第10-2表 那須地蔵水質一覧表 (つづき)

| | NSC 33 | NSC 34 | NSC 35 | NSC 36 |
|----------------------------------|---------|---------|---------|----------|
| NO | 38.0 | 26.0 | 29.5 | 32.0 |
| TEMP | 785.000 | — | — | 1714.000 |
| TSM | 2.50 | 3.00 | — | 2.60 |
| PH(FD) | — | — | — | 2.80 |
| PH(CLB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | 5.630 | 0.143 | — | 2.520 |
| NA | 15.760 | 0.683 | — | 8.400 |
| NH4 | — | — | 5.460 | 0.215 |
| CA | 37.700 | 1.881 | 15.100 | 3.002 |
| MG | 14.600 | 1.201 | — | — |
| FE | 5.700 | 0.204 | 35.600 | 149.900 |
| MN | — | — | 13.400 | 46.200 |
| ZN | — | — | — | 0.800 |
| CU | — | — | — | 2.192 |
| PB | — | — | — | — |
| AL | 14.800 | 1.606 | — | — |
| CL | 55.720 | 1.600 | 47.900 | 91.000 |
| BR | — | — | 56.700 | 222.700 |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 412.500 | 3.500 | 323.300 | 852.660 |
| S203 | — | — | 0.0 | — |
| HC03 | — | — | — | — |
| C03 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 12.011 | 2.031 | — | — |
| H802 | 11.800 | 0.269 | — | 100.086 |
| H3P04 | — | — | — | 8.307 |
| HAS02 | — | — | — | — |
| C02 | — | — | — | — |
| H25 | 9.200 | 0.270 | 0.800 | — |
| RN (*F=10 CURIE/L) | — | — | — | — |
| NA/K | 4.768 | 4.500 | 4.755 | 13.969 |
| CA/(HC03+C03) | — | 0.572 | 0.650 | 0.508 |
| MG/CA | 0.639 | 0.388 | 0.363 | 0.401 |
| NA/CA | 0.363 | — | — | — |
| CL/(HC03+C03) | — | — | — | — |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 15.697 | 16.506 | 16.018 | — |
| S04*100/(CL+S04+HC03+C03) | 34.373 | 83.494 | 83.982 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | 0.0 | — |
| (NA+K)*100/(NA+K+CA+MG) | 31.137 | 23.190 | 21.014 | 22.185 |
| CA*100/(NA+K+CA+MG) | 48.127 | 48.846 | 47.881 | 51.593 |
| MG*100/(NA+K+CA+MG) | 30.736 | 27.964 | 31.105 | 26.223 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 100.000 | 100.000 | 100.000 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.0 | 0.0 | 0.0 | — |
| (NA+K)*100/(NA+K+CA+MG) | 21.137 | 23.190 | 21.014 | 22.185 |
| (CA+MG)*100/(NA+K+CA+MG) | 78.863 | 76.810 | 78.986 | 77.815 |

第16-2表 那須地域水質一覧表(つづき)

| | NSC 37 | NSC 38 | NSC 39 | NSC 40 |
|----------------------------------|-----------|----------|---------|---------|
| NO | 32.3 | 62.3 | — | 54.9 |
| TEMP | 1546.000 | 1128.700 | 18.030 | 377.500 |
| TSM | 3.05 | 6.83 | 4.30 | 4.00 |
| PH(FD) | 2.95 | 7.75 | 4.40 | 4.20 |
| PH(LB) | — | — | — | — |
| H (MG/KG)(MVAL/KC) | 0.907 | — | 0.051 | 0.101 |
| K | 8.000 | 15.640 | — | 1.752 |
| NA | 95.680 | 57.030 | — | 10.260 |
| NH4 | — | — | — | — |
| CA | 197.200 | 332.000 | — | 46.900 |
| MG | 123.500 | 15.260 | — | 5.373 |
| FE | 7.223 | 0.881 | — | 2.138 |
| MN | 3.467 | — | — | 0.158 |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 22.340 | 10.660 | — | 4.015 |
| CL | 190.400 | 5.575 | — | 3.693 |
| RP | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 1051.744 | 573.100 | — | 179.296 |
| S203 | — | — | 0.520 | 1.313 |
| HC03 | 0.012 | 593.800 | 1.995 | 0.976 |
| CO3 | — | 0.228 | — | — |
| SI02 (MG/KG)(MMOL/KC) | 122.242 | 135.166 | — | 102.163 |
| HB02 | — | — | — | — |
| H3PO4 | 0.548 | — | — | 0.534 |
| HAS02 | — | — | — | — |
| C02 | 27.490 | 215.600 | 239.900 | 233.100 |
| H2S | — | 0.566 | 94.150 | 38.514 |
| RN (*E=10 CURIE/L) | 0.039 | — | — | — |
| NA/K | 18.196 | 6.206 | — | 9.959 |
| CA/(HC03+CO3) | 50031.930 | 1.701 | — | 146.300 |
| MG/CA | 1.033 | 0.076 | — | 0.189 |
| NA/CA | 0.372 | 0.150 | — | 0.191 |
| CL/(HC03+CO3) | 27309.254 | 0.016 | — | 6.513 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 19.697 | 0.720 | — | 2.704 |
| S04*100/(CL+S04+HC03+CO3) | 40.302 | 54.660 | — | 96.881 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.001 | 44.619 | — | 0.415 |
| (NA+K)*100/(NA+K+CA+MG) | 16.415 | 13.924 | — | 15.003 |
| CA*100/(NA+K+CA+MG) | 41.119 | 80.011 | — | 71.491 |
| MG*100/(NA+K+CA+MG) | 42.467 | 6.065 | — | 13.506 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.999 | 55.381 | — | 99.585 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.001 | 44.619 | — | 0.415 |
| (NA+K)*100/(NA+K+CA+MG) | 16.415 | 13.924 | — | 15.003 |
| (CA+MG)*100/(NA+K+CA+MG) | 83.585 | 86.076 | — | 84.997 |

第16-2表 那須地域水質一覽表 (つづき)

| | NSC 41 | | NSC 42 | | NSC 43 | | NSC 44 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| NO | 66.9 | 58.8 | 69.2 | 61.8 | 69.2 | 61.8 | 69.2 | 61.8 |
| TEMP | 8.5.910 | 794.800 | 766.800 | 765.000 | 766.800 | 765.000 | 766.800 | 765.000 |
| TSM | 7.47 | 6.10 | 6.45 | 6.50 | 6.10 | 6.50 | 6.45 | 6.50 |
| PH(FD) | 7.44 | 6.40 | 7.40 | 6.92 | 7.40 | 6.92 | 7.40 | 6.92 |
| PH(LR) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 18.470 | 0.472 | 0.467 | 17.520 | 0.599 | 17.520 | 0.448 | 0.448 |
| NA | 41.870 | 1.821 | 1.826 | 68.610 | 2.894 | 68.610 | 2.985 | 2.985 |
| NH4 | | | | | | | | |
| CA | 41.930 | 4.088 | 3.761 | 69.670 | 3.882 | 69.670 | 3.477 | 3.477 |
| MG | 26.120 | 2.149 | 2.063 | 23.370 | 2.105 | 23.370 | 1.923 | 1.923 |
| FE | 0.352 | 0.013 | 0.047 | 1.001 | 0.068 | 1.001 | 0.036 | 0.036 |
| MN | | | 0.005 | 1.362 | 0.033 | 1.362 | 0.050 | 0.050 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.023 | 0.003 | 0.015 | 0.040 | 0.004 | 0.0757 | 0.084 | 0.084 |
| CL | 4.863 | 3.137 | 0.081 | 4.769 | 0.140 | 4.769 | 0.135 | 0.135 |
| BR | | | | | | | | |
| T | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 393.100 | 3.184 | 7.553 | 269.800 | 5.619 | 269.800 | 5.617 | 5.617 |
| S203 | 1.207 | 0.022 | | | | | | |
| HC03 | 12.070 | 0.198 | 0.366 | 204.200 | 3.747 | 204.200 | 3.347 | 3.347 |
| C03 | 0.018 | 0.001 | 0.000 | 0.002 | 0.002 | | | |
| SI02 (MG/KG) (MML/KG) | 140.966 | 3.180 | 2.951 | 163.938 | 2.668 | 163.938 | 2.730 | 2.730 |
| HB02 | | | | | | | | |
| H3P04 | 0.686 | 0.007 | 0.006 | 0.221 | 0.001 | 0.221 | 0.002 | 0.002 |
| HAS02 | | | | | | | | |
| C02 | 1.161 | 0.026 | 9.763 | 157.100 | 4.496 | 157.100 | 3.569 | 3.569 |
| H25 | | | | | | | | |
| RN (*F-10 CURIE/L) | | | 3.139 | | | | | |
| NA/K | 3.855 | 3.914 | 4.831 | 6.660 | 4.831 | 6.660 | 4.831 | 6.660 |
| CA/K (HC03+C03) | 20.604 | 10.270 | 1.035 | 1.039 | 1.039 | 1.039 | 1.039 | 1.039 |
| MG/CA | 0.526 | 0.548 | 0.542 | 0.553 | 0.542 | 0.553 | 0.553 | 0.553 |
| NA/CA | 0.445 | 0.485 | 0.746 | 0.858 | 0.746 | 0.858 | 0.858 | 0.858 |
| CL/(HC03+C03) | 0.691 | 0.221 | 0.037 | 0.040 | 0.037 | 0.040 | 0.037 | 0.040 |
| CL/F | | | | 8.519 | | 8.519 | | 8.519 |
| CL*100/(CL+S04+HC03+C03) | | | | | | | | |
| S04*100/(CL+S04+HC03+C03) | 1.610 | 1.010 | 1.472 | 1.479 | 1.472 | 1.479 | 1.479 | 1.479 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 96.051 | 94.413 | 59.101 | 61.737 | 59.101 | 61.737 | 61.737 | 61.737 |
| (NA+K)*100/(NA+K+CA+MG) | 2.329 | 4.578 | 39.427 | 36.784 | 39.427 | 36.784 | 36.784 | 36.784 |
| CA*100/(NA+K+CA+MG) | 26.886 | 28.245 | 36.848 | 38.865 | 36.848 | 38.865 | 38.865 | 38.865 |
| MG*100/(NA+K+CA+MG) | 47.920 | 46.340 | 40.947 | 39.361 | 40.947 | 39.361 | 39.361 | 39.361 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 25.194 | 25.415 | 22.205 | 21.774 | 22.205 | 21.774 | 21.774 | 21.774 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 97.671 | 95.422 | 60.573 | 63.216 | 60.573 | 63.216 | 63.216 | 63.216 |
| (NA+K)*100/(NA+K+CA+MG) | 2.329 | 4.578 | 39.427 | 36.784 | 39.427 | 36.784 | 36.784 | 36.784 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.886 | 28.245 | 36.848 | 38.865 | 36.848 | 38.865 | 38.865 | 38.865 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 47.920 | 46.340 | 40.947 | 39.361 | 40.947 | 39.361 | 39.361 | 39.361 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 25.194 | 25.415 | 22.205 | 21.774 | 22.205 | 21.774 | 21.774 | 21.774 |
| (NA+K)*100/(NA+K+CA+MG) | 97.671 | 95.422 | 60.573 | 63.216 | 60.573 | 63.216 | 63.216 | 63.216 |
| (CA+MG)*100/(NA+K+CA+MG) | 2.329 | 4.578 | 39.427 | 36.784 | 39.427 | 36.784 | 36.784 | 36.784 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 26.886 | 28.245 | 36.848 | 38.865 | 36.848 | 38.865 | 38.865 | 38.865 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 47.920 | 46.340 | 40.947 | 39.361 | 40.947 | 39.361 | 39.361 | 39.361 |
| (NA+K)*100/(NA+K+CA+MG) | 25.194 | 25.415 | 22.205 | 21.774 | 22.205 | 21.774 | 21.774 | 21.774 |
| (CA+MG)*100/(NA+K+CA+MG) | 97.671 | 95.422 | 60.573 | 63.216 | 60.573 | 63.216 | 63.216 | 63.216 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 2.329 | 4.578 | 39.427 | 36.784 | 39.427 | 36.784 | 36.784 | 36.784 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 26.886 | 28.245 | 36.848 | 38.865 | 36.848 | 38.865 | 38.865 | 38.865 |
| (NA+K)*100/(NA+K+CA+MG) | 47.920 | 46.340 | 40.947 | 39.361 | 40.947 | 39.361 | 39.361 | 39.361 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.194 | 25.415 | 22.205 | 21.774 | 22.205 | 21.774 | 21.774 | 21.774 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.671 | 95.422 | 60.573 | 63.216 | 60.573 | 63.216 | 63.216 | 63.216 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.329 | 4.578 | 39.427 | 36.784 | 39.427 | 36.784 | 36.784 | 36.784 |
| (NA+K)*100/(NA+K+CA+MG) | 26.886 | 28.245 | 36.848 | 38.865 | 36.848 | 38.865 | 38.865 | 38.865 |
| (CA+MG)*100/(NA+K+CA+MG) | 73.114 | 71.755 | 63.152 | 61.135 | 63.152 | 61.135 | 61.135 | 61.135 |

第16-2表 那須地域水質一覧表 (つづき)

| NO | NSC 45 | NSC 46 | NSC 47 | NSC 48 |
|----------------------------------|---------|---------|---------|----------|
| TEMP | 49.4 | 65.6 | 53.0 | 80.2 |
| TSM | 686,800 | 732,700 | 400,000 | 2486,000 |
| PH(5D) | 6.40 | 5.70 | 3.40 | 2.40 |
| PH(LR) | 6.40 | 5.70 | 3.45 | 2.40 |
| H (MG/KG)(MVAL/KG) | - | - | 0.504 | 4.032 |
| K | 23,530 | 49,100 | 3,800 | 0.097 |
| NA | 55,620 | 121,800 | 11,000 | 1,762 |
| NR4 | - | 0.407 | 0.023 | 24,650 |
| CA | 64,480 | 4,919 | 2,861 | 4,625 |
| MG | 23,980 | 15,750 | 0.426 | 3,471 |
| FE | 2,342 | 0.084 | 0.043 | 104,700 |
| MN | 0.773 | 0.028 | 1,200 | 3,749 |
| ZN | - | - | - | 0.708 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.094 | 59,880 | - | 151,900 |
| CL | 16,790 | 10,790 | 0.116 | 27,560 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S203 | 236,600 | 367,200 | 4,249 | 1646,734 |
| HC03 | 178,400 | 417,200 | - | 0.560 |
| C03 | 0.027 | 0.001 | - | TR. |
| SI02 (MG/KG)(MMOL/KG) | 153,737 | 145,705 | 36,003 | 266,562 |
| HB02 | - | - | 5,010 | - |
| H3P04 | 0.132 | 0.894 | 0.114 | - |
| HAS02 | 0.014 | 0.000 | 0.050 | - |
| C02 | 171,600 | 46,600 | - | 0.011 |
| H2S | - | - | - | 14,850 |
| RN (*F-10 CURIE/L) | - | - | 18,060 | 0.337 |
| NA/K | 4,020 | 4,218 | - | 0.678 |
| CA/(HC03+C03) | 1,100 | 0.036 | 4,923 | 23,790 |
| MG/CA | 0.613 | 5,280 | - | - |
| NA/CA | 0.752 | 21,585 | 0.167 | 0.751 |
| CL/(HC03+C03) | 0.162 | 0.045 | - | 0.232 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 5,690 | 2,053 | - | - |
| S04*100/(CL+S04+HC03+C03) | 59,175 | 51,700 | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 35,136 | 46,241 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 36,791 | 80,959 | 14,903 | 12,128 |
| CA*100/(NA+K+CA+MG) | 39,180 | 3,032 | 74,067 | 50,198 |
| MG*100/(NA+K+CA+MG) | 24,029 | 16,009 | 11,030 | 37,675 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 64,864 | 53,759 | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 35,136 | 46,241 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 36,791 | 80,959 | 14,903 | 12,128 |
| (CA+MG)*100/(NA+K+CA+MG) | 53,209 | 19,041 | 85,097 | 87,872 |

第16-2表 那須地域水質一覽表 (つづき)

| NO | NSC 49 | NSC 50 | NSC 51 | NSC 52 |
|----------------------------------|----------|----------|-----------|----------|
| | | | | |
| TEMP | 1129.000 | 1144.000 | 1285.000 | 1149.000 |
| TSM | 5.80 | 6.20 | 2.50 | 6.30 |
| PH(FD) | 7.00 | 6.90 | 7.60 | 6.30 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 6.834 | 12.740 | 3.200 | 3.175 |
| NA | 104.800 | 65.370 | 11.000 | 0.281 |
| NH4 | | 2.844 | 63.500 | 2.175 |
| CA | 114.400 | 148.800 | 140.900 | 136.800 |
| MG | 57.300 | 57.280 | 4.714 | 61.340 |
| FE | 3.312 | 0.211 | 70.260 | 0.250 |
| MN | 0.923 | 3.488 | | |
| ZN | | | | |
| CU | | | | |
| PP | | | | |
| AL | | | | |
| CL | 98.610 | 113.800 | 270.800 | 189.400 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 556.779 | 441.600 | 650.450 | 394.200 |
| S203 | | 3.644 | | |
| HC03 | 19.300 | 133.500 | 0.006 | 41.200 |
| C03 | | TR | | 0.003 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 152.722 | 120.047 | 59.237 | 58.491 |
| H3P04 | | | 21.040 | 16.567 |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 74.110 | 202.200 | | 49.500 |
| | | 66.070 | 3.600 | 90.000 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 26.078 | 8.726 | 9.817 | 7.730 |
| CA/(HC03+C03) | 13.046 | 3.393 | 71493.932 | 10.108 |
| MG/CA | 0.826 | 0.635 | 0.822 | 0.739 |
| NA/CA | 0.799 | 0.383 | 0.393 | 0.319 |
| CL/(HC03+C03) | 8.794 | 1.467 | 77682.205 | 7.911 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 18.938 | 22.000 | 36.065 | 37.559 |
| S04*100/(CL+S04+HC03+C03) | 78.909 | 63.006 | 63.934 | 57.694 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.153 | 14.994 | 0.000 | 4.748 |
| (NA+K)*100/(NA+K+CA+MG) | 31.230 | 20.705 | 19.195 | 17.141 |
| CA*100/(NA+K+CA+MG) | 37.662 | 48.504 | 44.342 | 47.635 |
| MG*100/(NA+K+CA+MG) | 31.108 | 30.791 | 36.463 | 35.224 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.847 | 85.006 | 100.000 | 95.252 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.153 | 14.994 | 0.000 | 4.748 |
| (NA+K)*100/(NA+K+CA+MG) | 31.230 | 20.705 | 19.195 | 17.141 |
| (CA+MG)*100/(NA+K+CA+MG) | 68.770 | 79.295 | 80.805 | 82.859 |

第16-2表 那須地域水質一覧表 (つづき)

| NO | NSC 57 | NSC 58 | NSC 59 | NSC 60 |
|----------------------------------|---------|---------|----------|----------|
| TEMP | 59.5 | 75.8 | 72.2 | 26.7 |
| TSM | 857.800 | 992.800 | 1021.000 | 1042.000 |
| PH(FD) | 2.30 | 2.20 | 2.30 | 3.60 |
| PH(LB) | 2.40 | 2.38 | 2.40 | 3.60 |
| H (MG/KG)(MVAL/XG) | 5.040 | 6.350 | 5.040 | 0.252 |
| K | 9.258 | 6.768 | 0.173 | 0.058 |
| NA | 32.030 | 36.430 | 35.830 | 26.370 |
| NH4 | - | - | - | 1.147 |
| CA | 56.140 | 61.370 | 3.062 | 66.380 |
| MC | 27.870 | 32.720 | 33.120 | 15.170 |
| FE | 8.140 | 5.494 | 0.197 | 2.719 |
| MN | 9.463 | 0.512 | 0.019 | 3.080 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 20.640 | 16.770 | 18.370 | 59.420 |
| CL | 64.210 | 71.520 | 70.740 | 89.270 |
| BR | - | - | - | 2.518 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SD4 | 666.364 | 744.263 | 688.228 | 497.711 |
| SZ03 | 1.481 | 1.906 | 2.075 | 10.362 |
| HC03 | - | - | - | 0.079 |
| C03 | - | - | - | - |
| ST02 (MG/G)(MMOL/KG) | 190.479 | 220.712 | 227.713 | 133.089 |
| HB02 | 3.550 | 1.775 | 1.775 | 2.216 |
| H3P04 | 0.550 | 0.041 | 0.041 | - |
| HAS02 | 0.540 | 0.010 | 1.137 | - |
| CO2 | 11.900 | 1.166 | 1.079 | - |
| H2S | 14.390 | 148.800 | 61.090 | 50.020 |
| H2S | - | 28.550 | 7.154 | - |
| RN (*F=10 C/RIE/L) | 0.363 | 0.553 | 0.250 | - |
| NA/K | 5.833 | 9.154 | 14.549 | 19.642 |
| CA/(HC03+C03) | - | - | - | 2558.184 |
| MG/CA | 0.312 | 0.879 | 0.873 | 0.377 |
| NA/CA | 0.497 | 0.517 | 0.499 | 0.346 |
| CL/(HC03+C03) | - | - | - | 1944.924 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | 19.549 |
| S04*100/(CL+S04+HC03+C03) | - | - | - | 80.441 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 0.010 |
| (NA+K)*100/(NA+Y+CA+MG) | 24.236 | 23.398 | 22.170 | 20.906 |
| CA*100/(NA+K+CA+MG) | 41.665 | 40.762 | 41.556 | 57.444 |
| MG*100/(NA+Y+CA+MG) | 34.098 | 35.840 | 36.274 | 21.649 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | 99.990 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 0.010 |
| (NA+K)*100/(NA+K+CA+MG) | 24.236 | 23.398 | 22.170 | 20.906 |
| (CA+MG)*100/(NA+Y+CA+MG) | 75.764 | 76.602 | 77.830 | 79.094 |

第16-3表 那須地域特定成分含量の頻度分布表

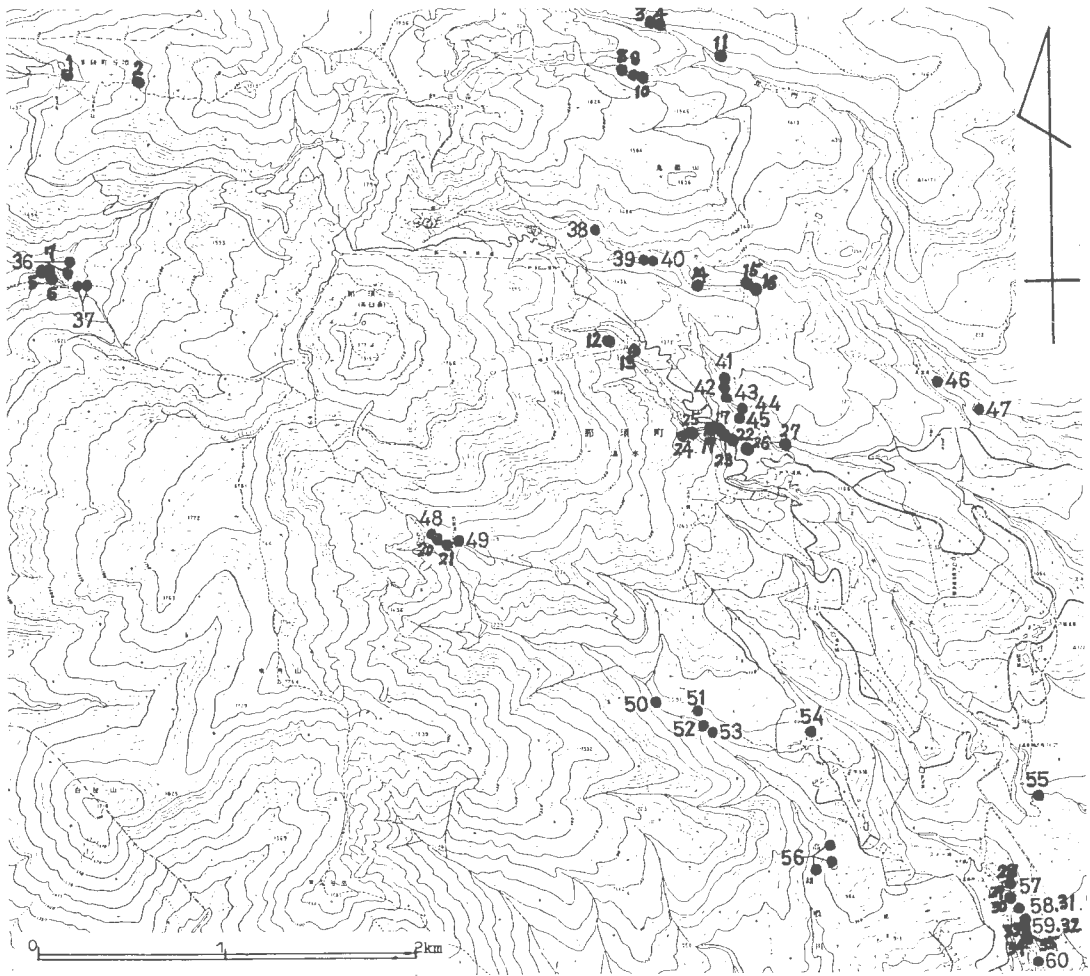
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 60 | 100.0 | ND | 60 | 100.0 |
| <0.576 | 0 | 0. | <0.300 | 0 | 0. |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 60 | 100.0 | TOTAL | 60 | 100.0 |

| PB | N | F(%) | AS | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 60 | 100.0 | ND | 52 | 86.7 |
| <0.100 | 0 | 0. | <0.050 | 5 | 8.3 |
| <1.000 | 0 | 0. | <0.500 | 1 | 1.7 |
| >1.000 | 0 | 0. | <5.000 | 2 | 3.3 |
| | | | >5.000 | 0 | 0. |
| TOTAL | 60 | 100.0 | TOTAL | 60 | 100.0 |

| H2S | N | F(%) | N= NUMBER OF SAMPLES | F= FREQUENCY(%) |
|----------|----|-------|----------------------|-----------------|
| ND | 24 | 40.0 | | |
| < 1.000 | 10 | 16.7 | | |
| < 10.000 | 7 | 11.7 | | |
| <100.000 | 17 | 28.3 | | |
| >100.000 | 2 | 3.3 | | |
| TOTAL | 60 | 100.0 | | |

第16-1圖 試料採取地(那須地域)

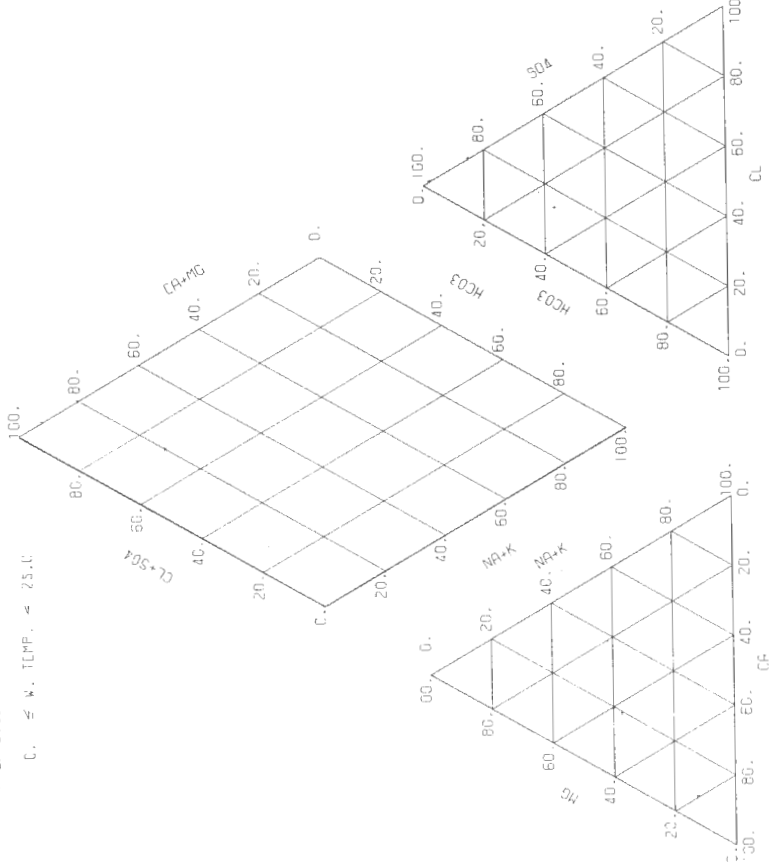


第16-2図 那須地域水質組成図(その1) (水温25℃未満)

NASU

AREA CODE NSC

C. ≦ N. TEMP. ≦ 25.0

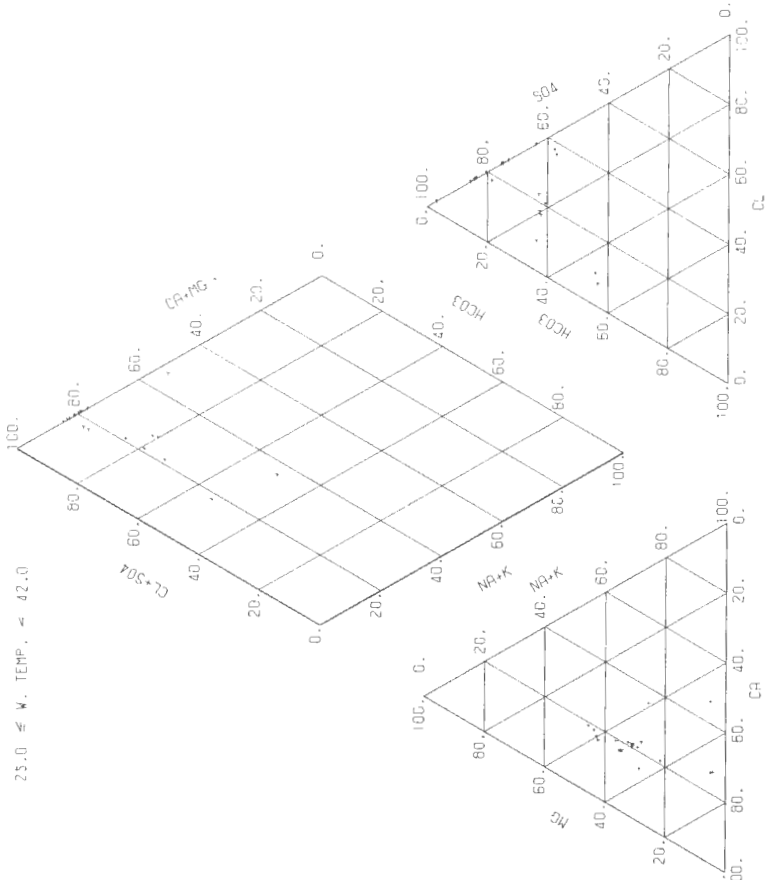


第16-2図 那須地域水質組成図(その2) (水温25℃以上42℃未満)

NASU

AREA CODE NSC

25.0 ≦ N. TEMP. ≦ 42.0

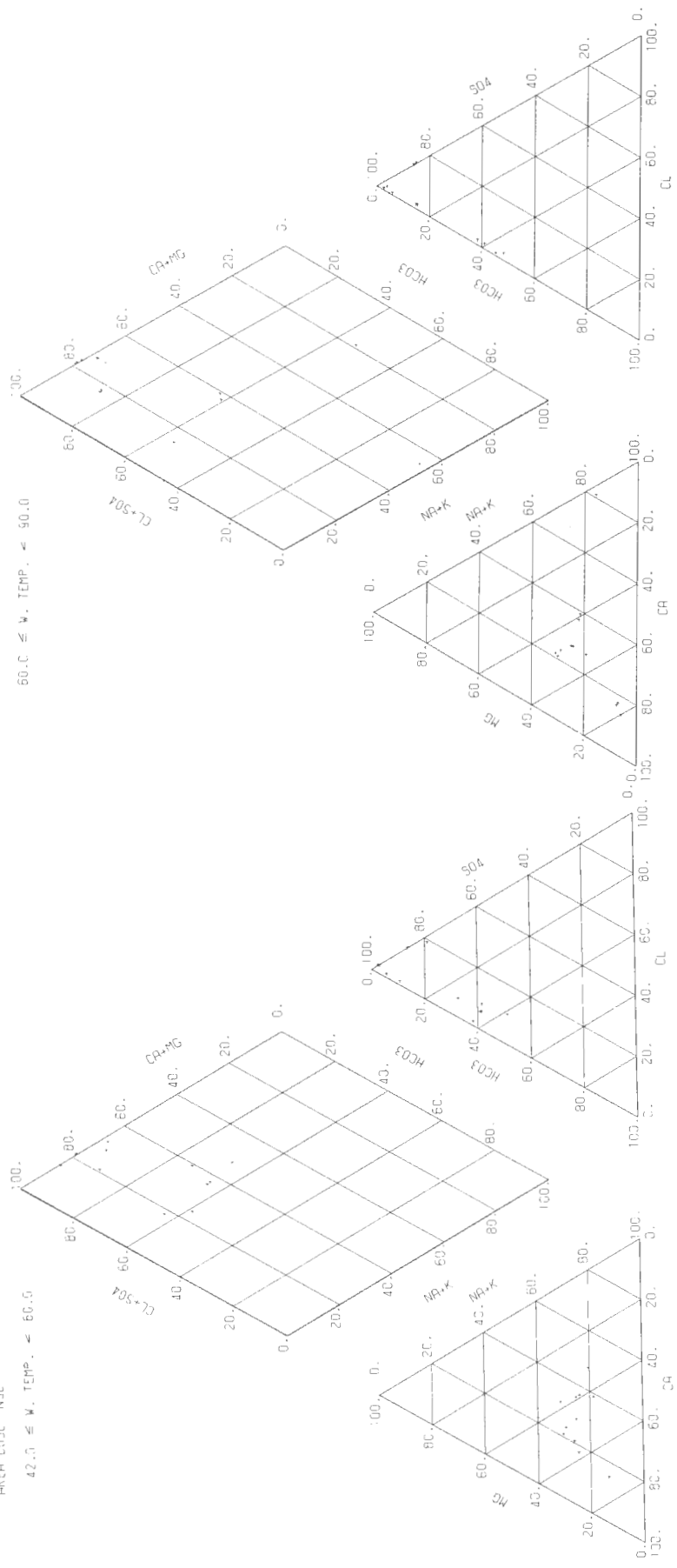


第 16-2 図 那須地域水質組成図 (その 3) (水温 42℃ 以上 60℃ 未満)

NR3U

AREA CODE NSC

42.0 ≤ W. TEMP. < 60.0

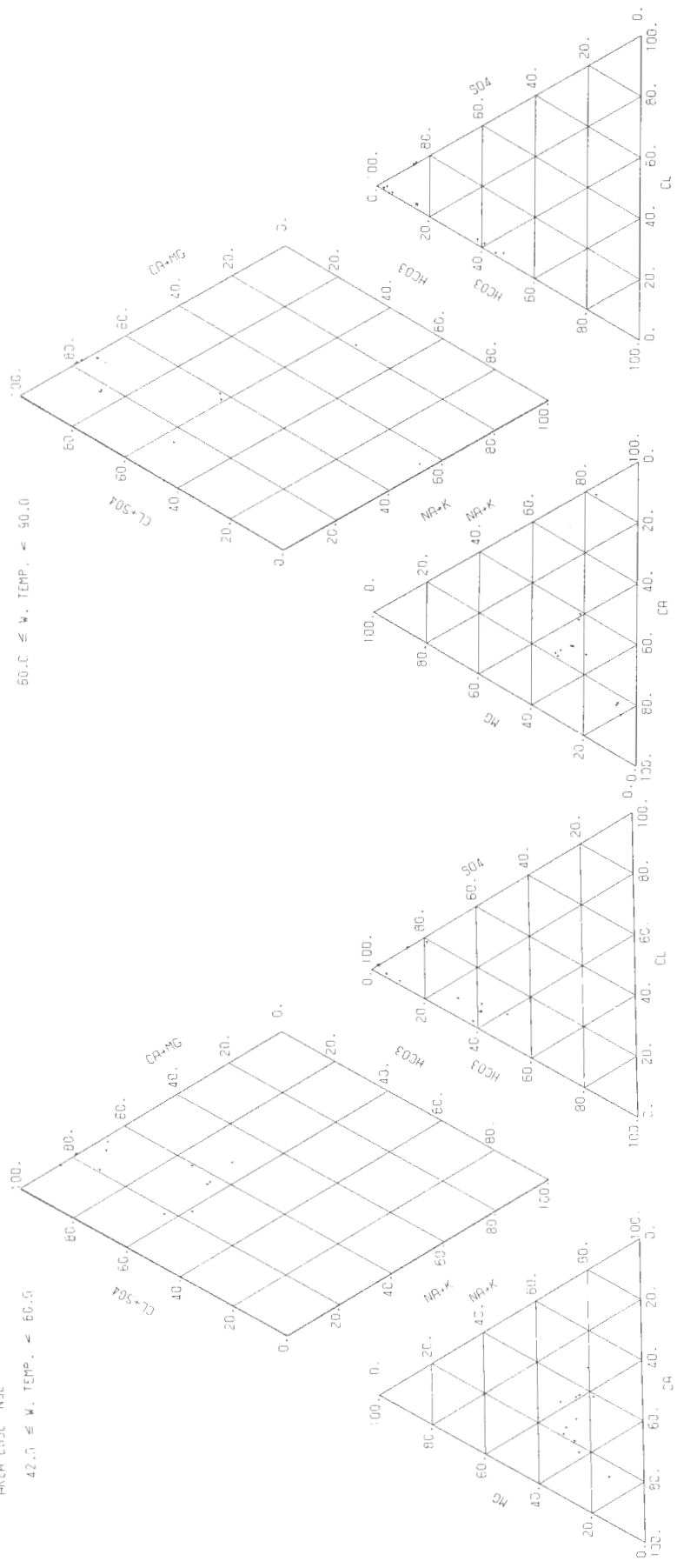


第 16-2 図 那須地域水質組成図 (その 4) (水温 60℃ 以上 90℃ 未満)

NR3U

AREA CODE NSC

60.0 ≤ W. TEMP. < 90.0

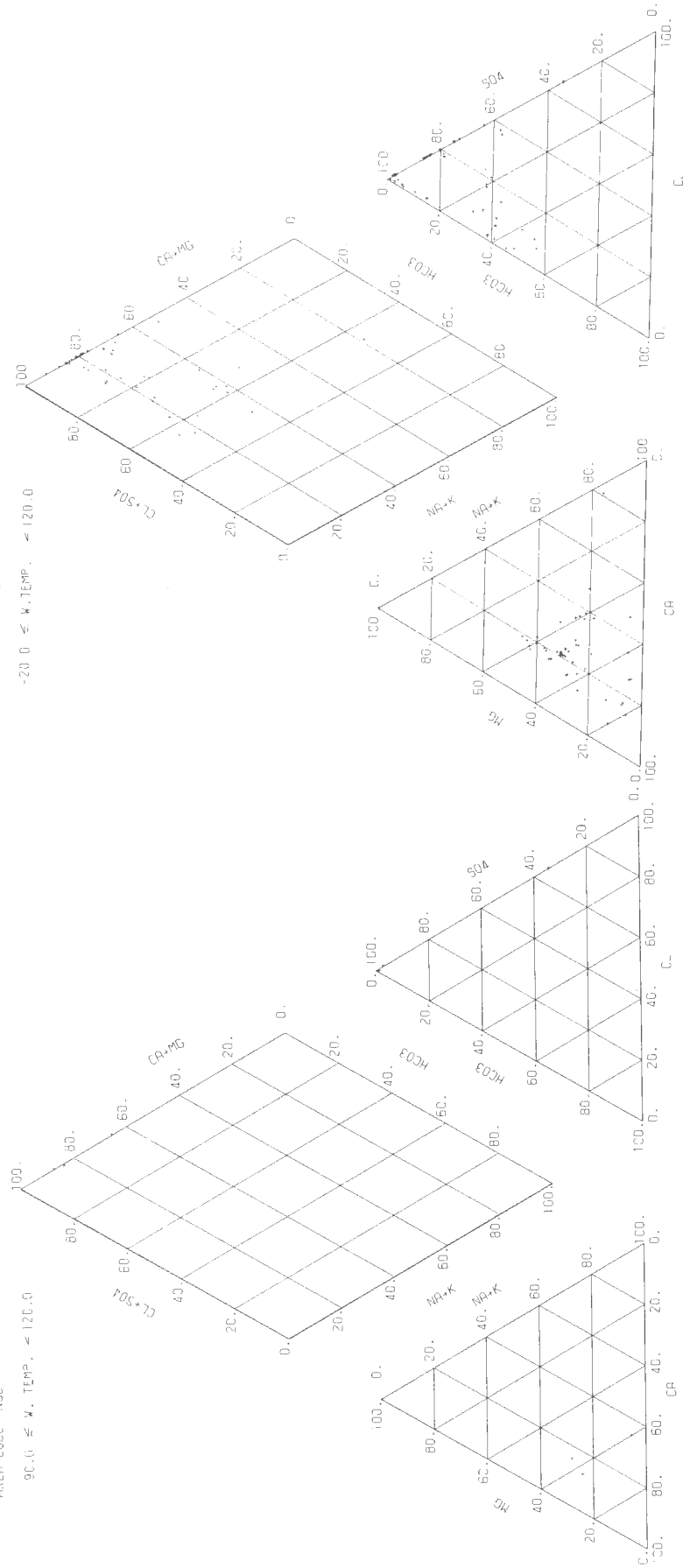


第16-2図 那須地域水質組成図 (その5) (水温90℃以上120℃未満)

NR50

AREA CODE NSC

90.0 ≦ W. TEMP. < 120.0

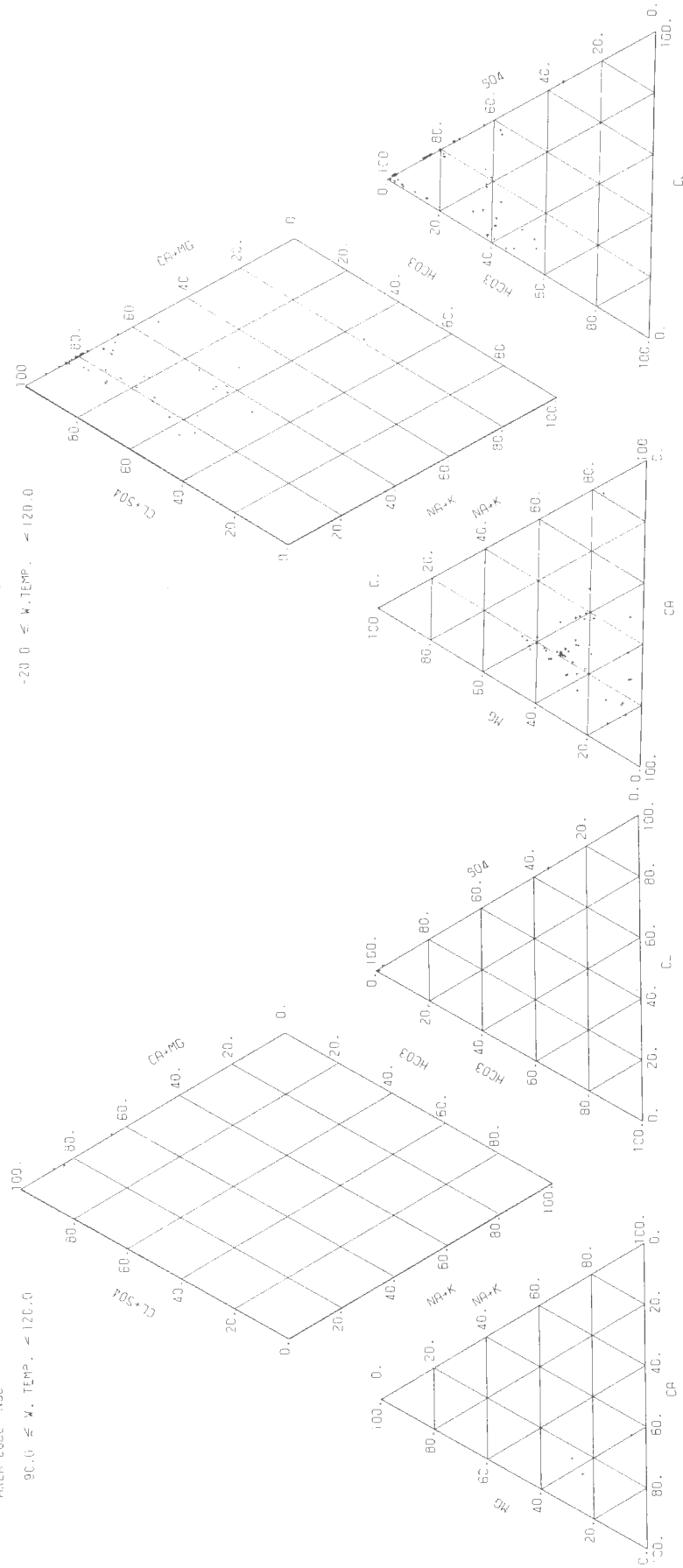


第16-2図 那須地域水質組成図 (その6) (全試料)

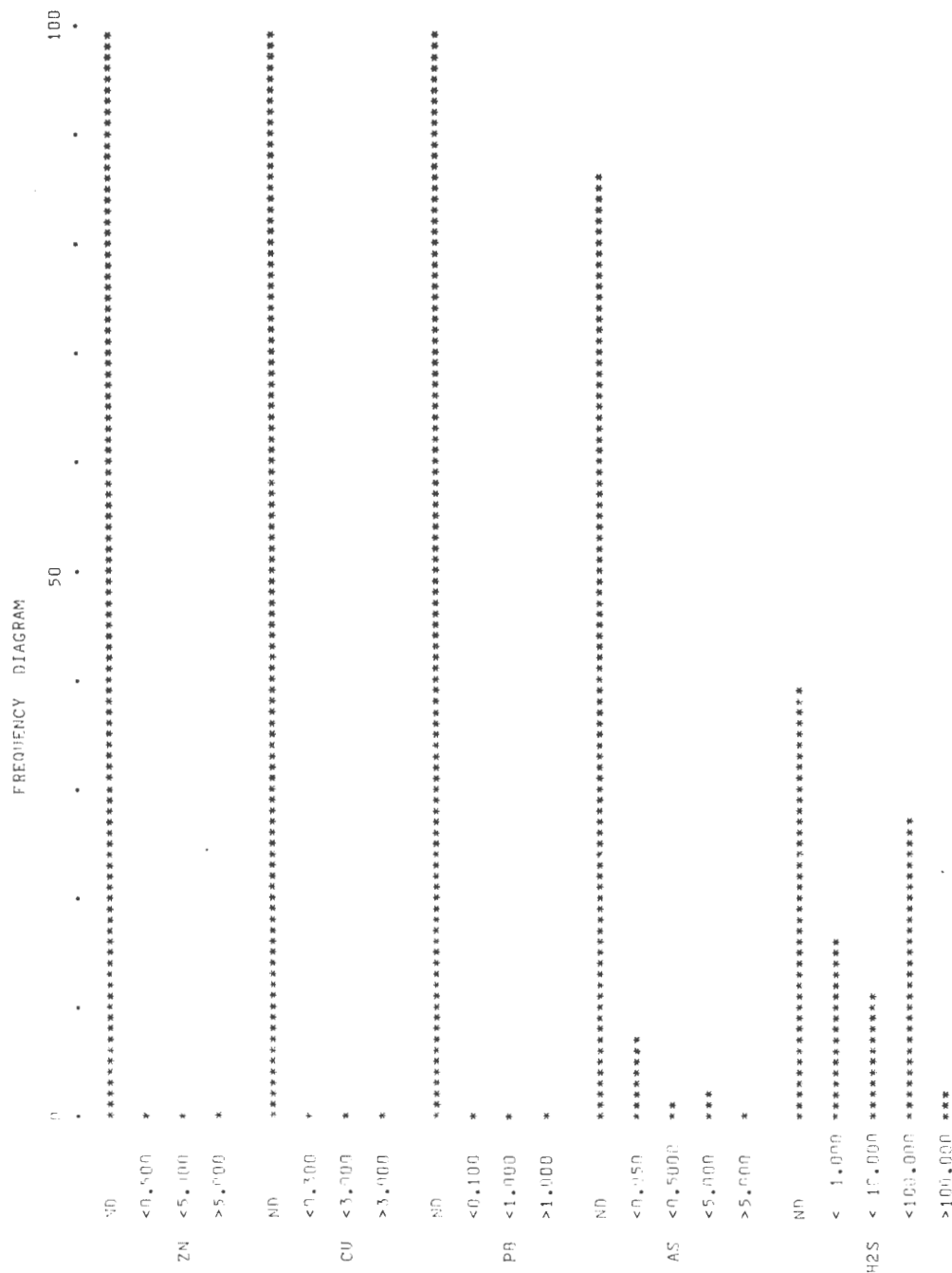
JP50

AREA CODE NSC

20.0 ≦ W. TEMP. < 120.0



第16-3図 那須地域特定成分含量の頻度分布図

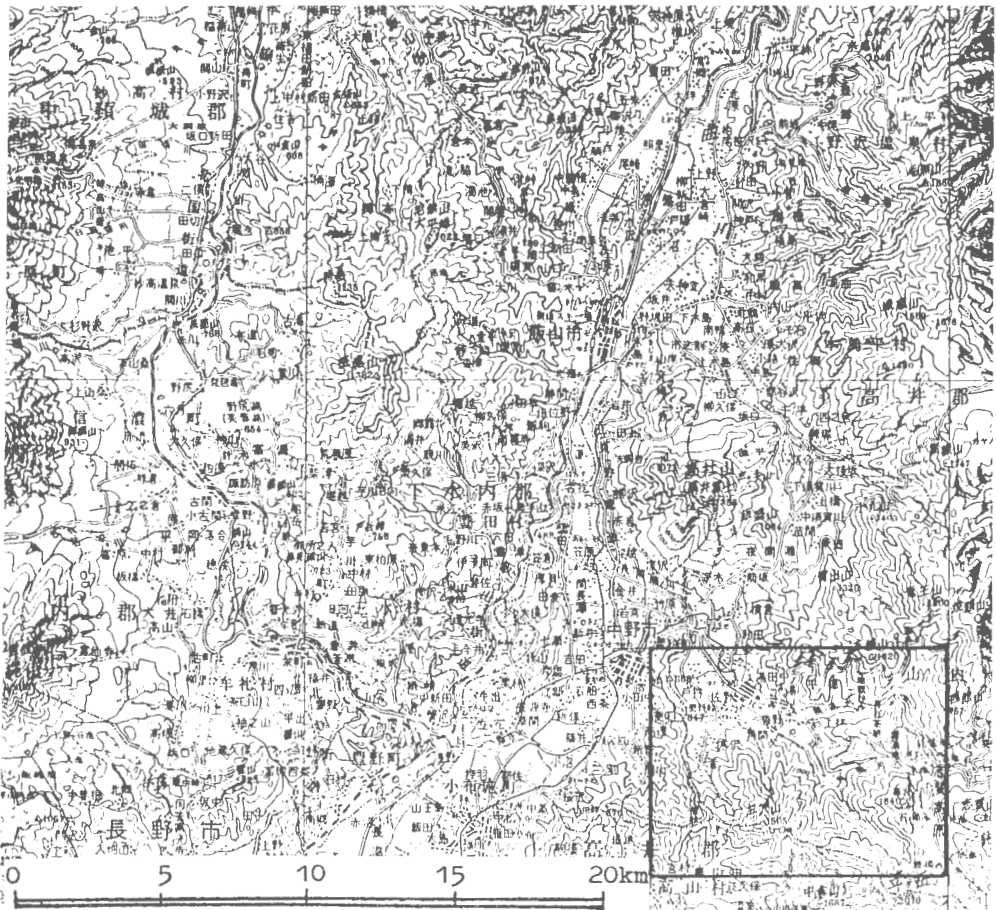


17. 白根北部

Northern part of Shirane

| | |
|-------|-------------|
| 位置 | 長野県下高井郡山ノ内町 |
| データ数 | 103 |
| 収集・整理 | 池田喜代治 |
| 協力 | 長野県衛生公害研究所 |

調査位置図(20万分の1地勢図 高田)



第17-1表 白根北部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 温泉名 | 依頼年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-----------------|----------|--------|--------|-----|--------------|-------|-----------|------------|
| SNC-1 | 長野県下高井郡山ノ内町平穩岩菅 | 7154 | 天狗1号 | 天狗1号 | 発 | 1957.12.23 | 40 | 98 | |
| "-2 | " | 7149 | 館上 | 館上 | 発 | " 7.22 | " | 31 | D=0.5m, |
| "-3 | " | 7149 | 館下 | 館下 | 発 | " 7.22 | " | 32 | D=0.5m, |
| "-4 | " | 7149の16 | 日大湯 | 日大湯 | 発 | 1962.12.28 | " | 29 | |
| "-5 | " | 7149の16 | 西発岬1号 | 西発岬1号 | 発 | (1961.12.25) | " | | D=1.7m, |
| "-6 | " | 7149の16 | 西発岬2号 | 西発岬2号 | 発 | (" 12.25) | " | | |
| "-7 | " | 7149 | 西発岬3号 | 西発岬3号 | 発 | (" 12.25) | " | | |
| "-8 | " | 7149の16 | 火地獄1号 | 火地獄1号 | 発 | (1962. 5.18) | " | | |
| "-9 | " | 7148 | 丸池河原小屋 | 丸池河原小屋 | 発 | 1961. 7.17 | " | 15 | D=300m, |
| "-10 | " | 7148の1 | 木戸池1号 | 木戸池1号 | 発 | (1954.11.15) | " | | D=160m, |
| "-11 | " | 7148の22 | 熊の湯 | 熊の湯 | 発 | 1971.12.16 | " | 67 | D=220m, |
| "-12 | " | 7148 | 熊の湯 | 熊の湯 | 発 | 1957. 7.22 | " | 33 | Q=108l/m, |
| "-13 | " | 志賀 | 熊の湯 | 熊の湯 | 発 | 1969. 9.10 | " | 28 | D=200m, |
| "-14 | " | 坊平 | 山本1号 | 山本1号 | 発 | 1967. 8.24 | " | 35 | D=300m, |
| "-15 | " | 松尾根 | 旧湯 | 旧湯 | 発 | 1958. 4.17 | " | 11 | Q=50l/m, |
| "-16 | " | 細木 | 新湯 | 新湯 | 発 | (" 5.13) | " | | Q=300l/m, |
| "-17 | " | 6812ほか | 延命の湯 | 延命の湯 | 発 | " 3.29 | " | 109 | Q=200l/m, |
| "-18 | " | 6818 | 野天風呂 | 野天風呂 | 発 | " 3.29 | " | 112 | Q=10l/m, |
| "-19 | " | 6818のイ | 比良 | 比良 | 発 | 1957.10. 4 | " | 57 | Q=5l/m, |
| "-20 | " | 荒井 | かじか泉 | かじか泉 | 発 | " | " | 55 | Q=100l/m, |
| "-21 | " | 1176の1 | 横島ボーリ | 横島ボーリ | 発 | 1961.11.11 | " | 31 | Q=72l/m, |
| "-22 | " | 2096のロ | 熱の湯 | 熱の湯 | 発 | " | " | | Q=34.2l/m, |
| "-23 | " | 2098のロ | 七操の湯 | 七操の湯 | 発 | (1959. 3.31) | " | | Q=63l/m, |
| "-24 | " | 2045 | 洪ホテル | 洪ホテル | 発 | 1958.11.11 | " | 33 | D=1.5m, |
| "-25 | " | 2173 | 洪遊園地 | 洪遊園地 | 発 | 1957.10. 4 | " | 71 | D=10m, |
| "-26 | " | 1141のロの1 | 湯栄会共同 | 湯栄会共同 | 発 | " 10. 4 | " | 70 | Q=144l/m, |
| "-27 | " | 2261の4 | 湯本館 | 湯本館 | 発 | " 10. 4 | " | 58 | Q=60l/m, |
| "-28 | " | 2215 | 大湯 | 大湯 | 発 | " 10. 4 | " | 59 | Q=30l/m |
| "-29 | " | 2125 | 温和会第1 | 温和会第1 | 発 | " | " | 39 | Q=123l/m, |
| "-30 | " | 1142の10 | 温和会第2 | 温和会第2 | 発 | (1963. 4.22) | " | | D=191m, |
| "-31 | " | 2216 | 吉野屋 | 吉野屋 | 発 | (" 4.22) | " | | D=200m, |
| "-32 | " | 2019の1 | 石の湯第1 | 石の湯第1 | 発 | (1957.12.10) | " | 54 | D=1.4m, |
| "-33 | " | 2062 | ボーリング | ボーリング | 発 | " 10. 4 | " | | Q=86l/m, |
| "-34 | " | 2200の1 | 石の湯第2 | 石の湯第2 | 発 | " 10. 4 | " | 53 | D=5m, |
| "-35 | " | 2200の1 | 繁栄の湯 | 繁栄の湯 | 発 | " 10. 4 | " | 65 | Q=48.6l/m, |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 依頼年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|---------------|----------|------|--------|--------------|-------|---------------|-------------|
| SNC-35 | 長野県下高井郡山ノ内町平穩 | 2198のロ | 洪 | 幸福の湯 | 1957.10.4 | 40 | 66 | Q=41/m, P |
| "-36 | " | 2052 | " | つばたや1号 | " 10.4 | " | " | Q=51/m, P |
| "-37 | " | 2053 | " | つばたや2号 | | " | D=4m | |
| "-38 | " | 2094の1 | " | 金具屋別荘 | 1957.10.4 | " | 50 | Q=22/m, P |
| "-39 | " | 1261の1 | " | 金具屋第1 | " 10.4 | " | 52 | Q=70/m, F |
| "-40 | " | 1260の1 | " | 金具屋第2 | " 10.4 | " | 51 | Q=85.6/m, F |
| "-41 | " | 2145の1 | " | 金具屋第3 | " 10.4 | " | 49 | Q=30/m, F |
| "-42 | " | 2065 | " | かめや | " 10.4 | " | 61 | Q=53.5/m, P |
| "-43 | " | 2153 | " | よねや | 1962.4.1 | " | 1 | Q=18.3/m, F |
| "-44 | " | 2158のロ | " | 浪綿の湯 | (1957.12.10) | " | " | P |
| "-45 | " | 1263の3 | " | 天川 | 1967.5.30 | " | 4 | Q=36/m, F |
| "-46 | " | 1814の12 | " | 日洗の湯 | 1958.11.11 | " | 32 | Q=14.6/m, F |
| "-47 | " | 2073 | " | 金喜 | (1957.12.10) | " | " | Q=9/m, F |
| "-48 | " | 2211の1 | " | 初の湯 | 1957.10.4 | " | 68 | Q=25.8/m, P |
| "-49 | " | 2305 | 安 | 安代館1号 | | " | " | Q=5/m, F |
| "-50 | " | 2306 | " | 安代大湯 | | " | " | Q=4/m, F |
| "-51 | " | 2306 | " | 玉の湯 | (1933.) | " | " | Q=5/m, F |
| "-52 | " | 2307ほか | " | 宝永の湯 | (1933.) | " | " | Q=18/m, F |
| "-53 | " | 1076の11 | " | 島崎 | 1969.12.25 | " | 35 | Q=145/m, F |
| "-54 | " | 1080 | " | 黒川 | 1962.4.16 | " | 4 | Q=23.4/m, P |
| "-55 | " | 2303の7の2 | " | 共益会イ号 | (1958.5.13) | " | " | Q=108/m, F |
| "-56 | " | 2303の7 | " | 共益会第5 | (" 5.13) | " | " | P |
| "-57 | " | 2303の7の1 | " | 共益会第11 | (" 3.29) | " | 110 | Q=108/m, F |
| "-58 | " | 2303の7の2 | " | 共益会第12 | (" 5.13) | " | " | Q=130/m, F |
| "-59 | " | 2360の1ほか | 湯田中 | 共益会ロ号 | (1960.5.13) | " | " | Q=126/m, F |
| "-60 | " | 2866の1ほか | " | 共益会ハ号 | (1954.2.5) | " | " | |
| "-61 | " | 2907の1 | " | 共益会第3 | 1958.3.29 | " | 111 | Q=126/m, P |
| "-62 | " | 2891の1 | " | 共益会第4 | " 4.17 | " | 9 | Q=75.4m, P |
| "-63 | " | 2874の4 | " | 共益会第6 | (" 5.13) | " | " | Q=90/m, P |
| "-64 | " | 2303の5 | " | 共益会第8 | (" 5.13) | " | " | Q=135/m, F |
| "-65 | " | 2933の1 | 新湯田中 | 1号 | 1973.10.6 | " | 47 | Q=70/m, P |
| "-66 | " | 2928 | " | 2号 | 1958.4.17 | " | 8 | Q=52.8/m, P |
| "-67 | " | 2915の1 | 湯田中 | よろづや1号 | | " | " | Q=108/m, P |
| "-68 | " | 2943の2 | " | よろづや3号 | (1958.5.13) | " | 12 | Q=27.3/m, P |
| "-69 | " | 2897の1 | " | 畔上噴泉 | 1956.6.13 | " | " | Q=300/m, P |
| "-70 | " | 2928ほか | " | 石段 | (1957.4.15) | " | " | Q=36/m, F |
| "-71 | " | 2929の2ほか | " | しらみごろし | (" 12.10) | " | " | Q=29/m, F |
| "-72 | " | 2924の3 | " | 星川第2 | 1973.10.6 | " | 48 | Q=126/m, P |

| No. | 産地 | 温泉名 | 源泉名 | 依頼年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|---------------------|-----|------------------|---------------|-------|---------------|----------------------|
| SNC-73 | 長野県下高井郡山ノ内町平穩2924の3 | 湯田中 | 星川第3 | 1958. 4. 17 | 40 | 10 | D=100m, Q=126l/m, P |
| "-74 | " " " 2941の5 | " " | 星川第4 | " " | " " | 47 | D=60m, Q=90l/m, P |
| "-75 | " " " 3094の5 | " " | 山ノ内共益 会第1 | (1954. 7. 2) | " " | " " | D=156m, Q=8.1l/m, P |
| "-76 | " " " 2831の1(ほか) | " " | 山ノ内共益 会第2 | (" 7. 2) | " " | " " | D=139m, Q=45l/m, P |
| "-77 | " " " 3109 | " " | ままるか | (1933.) | " " | " " | D=0.8m, P |
| "-78 | " " " 3129 | " " | 四湯組合の湯 | " " | " " | " " | D=2m, Q=10l/m, F |
| "-79 | " " " 3137 | " " | よろづや内湯 | " " | " " | " " | D=2.7m, Q=5.4l/m, F |
| "-80 | " " " 4127の19 | " " | ロープウェイ -K. K. | 1969. 3. 13 | " " | 47 | D=200m, Q=16l/m, P |
| "-81 | " " " 4105のイ | " " | 上条第1 | (1958. 5. 13) | " " | " " | D=50m, Q=54l/m, P |
| "-82 | " " " 4115 | " " | 上条第5 | (" 5. 13) | " " | " " | D=105m, Q=40l/m, P |
| "-83 | " " " 佐野2979 | 角 間 | みろくの湯 | 1958. 4. 17 | " " | 6 | D=3.5m, Q=21.6l/m, F |
| "-84 | " " " 2188 | " " | 薬師の湯 | (1972. 3. 10) | " " | " " | D=200m, Q=70l/m, P |
| "-85 | " " " 2181の2 | " " | 養田屋第1 | 1958. 3. 29 | " " | 106 | D=150m, Q=52l/m, P |
| "-86 | " " " 2592 | " " | とらや | 1960. 8. 30 | " " | 18 | D=50m, Q=216l/m, F |
| "-87 | " " " 2160の1 | " " | 紺六の湯 | 1958. 12. 1 | " " | 35 | D=200m, Q=40l/m, P |
| "-88 | " " " 2133の2 | " " | 上原第1 | " 3. 29 | " " | 104 | D=151m, Q=27l/m, P |
| "-89 | " " " 2346 | " " | 玉の湯 | " 3. 29 | " " | 105 | Q=25.2l/m, P |
| "-90 | " " " 2563 | 穂 波 | 魚畝第1 | (1955. 2. 5) | " " | " " | Q=50l/m, P |
| "-91 | " " " 2563 | " " | 魚畝第2 | 1958. 3. 29 | " " | 107 | D=30m, Q=40l/m, P |
| "-92 | " " " 2610の4 | " " | 穂波第2 | 1971. 12. 20 | " " | 68 | D=150m, Q=100l/m, P |
| "-93 | " " " 2612の1 | " " | 穂波第4 | (1972. 3. 17) | " " | " " | D=138m, Q=100l/m, P |
| "-94 | " " " 2609の1 | " " | 峰 岸 | 1957. 9. 7 | " " | 45 | D=48m, Q=99l/m, P |
| "-95 | " " " 平穩24の11 | " " | 古幡1号 | 1963. 1. 30 | " " | 31 | D=150m, Q=145l/m, P |
| "-96 | " " " 佐野2592の11 | " " | 風間館 | 1956. 11. 21 | " " | 61 | D=150m, Q=54l/m, P |
| "-97 | " " " 2565 | " " | 春日 | 1963. 9. 23 | " " | 14 | D=130m, Q=9.5l/m, P |
| "-98 | " " " 2607 | " " | 岩 泉 | 1958. 3. 29 | " " | 108 | D=92m, Q=135l/m, P |
| "-99 | " " " 2621の2 | " " | 高橋マサ | 1968. 4. 11 | " " | 4 | D=73m, P |
| "-100 | " " " 2577 | " " | 坂の湯 | (1958. 5. 13) | " " | " " | D=97m, Q=65l/m, P |
| "-101 | " " " 2534の83 | " " | 穂波観光第2 | 1957. 6. 22 | " " | 23 | D=260m, Q=129l/m, P |
| "-102 | " " " 1261の3 | " " | 佐 野 | 1972. 6. 12 | " " | 2 | D=260m, Q=129l/m, P |
| "-103 | " " " 2586の5 | " " | 湯 本 | 1963. 8. 5 | " " | 10 | D=240m, Q=72l/m, P |

依頼年月日の()は分析～報告年月日、備考のDは深度(m)、Qは揚(湧)水量(l/m)、Fは自噴、Pはポンプ揚水を示す。

第 17-2 表 白根北部地域水質一覽表

| | SNC 1 | SNC 2 | SNC 3 | SNC 4 |
|----------------------------------|---------|---------|---------|---------|
| INO | 71.5 | 67.9 | 82.9 | 52.0 |
| TEMP | 215.000 | 204.000 | 160.000 | 310.000 |
| TSM | 3.20 | 5.70 | 5.70 | 4.00 |
| PH(FD) | - | - | - | 4.00 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.078 | 1.954 | 1.172 | 2.779 |
| NA | 31.980 | 20.890 | 18.690 | 6.286 |
| NH4 | - | - | - | 6.132 |
| CA | 12.990 | 10.320 | 9.457 | 43.990 |
| MG | 5.290 | 5.357 | 5.289 | 2.195 |
| PF | 2.000 | 1.499 | 0.700 | 13.120 |
| MN | - | - | - | 7.198 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | 0.599 | 0.100 | - |
| CL | 2.835 | 3.545 | 3.544 | 29.780 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 76.090 | 53.890 | 74.850 | 160.900 |
| S2O3 | - | - | - | - |
| HCO3 | 28.430 | 52.950 | 24.160 | 0.165 |
| CO3 | - | - | - | - |
| STO2 (MG/KG)(MMOL/KG) | 32.934 | 15.994 | - | 38.950 |
| HBO2 | - | - | - | - |
| H3FO4 | - | 1.141 | 0.571 | - |
| HASO2 | - | - | - | - |
| CO2 | 30.800 | 10.560 | - | 39.430 |
| H2S | - | - | - | 4.233 |
| IRN (#E-10 CURIE/L) | - | - | - | - |
| INA/K | 697.224 | 18.180 | 27.119 | 4.025 |
| ICA/(HCO3+CC3) | 1.391 | 0.593 | 1.192 | 811.693 |
| MG/CA | 0.672 | 0.862 | 0.924 | 0.492 |
| INA/CA | 2.146 | 1.765 | 1.723 | 0.130 |
| CL/(HCO3+CC3) | 0.172 | 0.115 | 0.252 | 310.645 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | 3.754 | 4.785 | 4.867 | 20.037 |
| SO4*100/(CL+SO4+HCO3+CO3) | 74.371 | 53.688 | 75.858 | 79.899 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 21.875 | 41.527 | 19.275 | 0.065 |
| (NA+K)*100/(NA+K+CA+MG) | 56.251 | 49.990 | 48.145 | 9.836 |
| CA*100/(NA+K+CA+MG) | 26.173 | 26.852 | 26.951 | 60.438 |
| MG*100/(NA+K+CA+MG) | 17.577 | 23.158 | 24.904 | 29.726 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 78.125 | 58.473 | 80.725 | 99.936 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 21.875 | 41.527 | 19.275 | 0.065 |
| (NA+K)*100/(NA+K+CA+MG) | 56.251 | 49.990 | 48.145 | 9.836 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.749 | 50.010 | 51.855 | 90.164 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 5 | SNC 6 | SNC 7 | SNC 8 |
|-----------------------------------|---------|---------|---------|---------|
| INO | 95.900 | 95.900 | 95.900 | 156.000 |
| TEMP | 6.60 | 6.60 | 6.60 | 6.00 |
| TSM | - | - | - | - |
| PH(CFD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| ·H (MG/KG)(MVAL/KG) | | | | |
| ·K | 0.047 | 0.047 | 0.047 | 0.039 |
| ·NA | 15.880 | 15.880 | 15.880 | 4.593 |
| ·NH4 | - | - | - | 0.717 |
| ·CA | 9.871 | 9.871 | 9.871 | 0.040 |
| ·MG | 2.339 | 2.339 | 2.339 | 19.190 |
| ·FE | 2.999 | 2.999 | 2.339 | 4.358 |
| ·MN | - | - | - | 0.092 |
| ·ZN | - | - | - | - |
| ·CU | - | - | - | - |
| ·PB | - | - | - | - |
| ·AL | - | - | - | - |
| ·CL | 19.850 | 19.850 | 19.850 | 17.010 |
| ·BR | - | - | - | - |
| ·I | - | - | - | - |
| ·F | - | - | - | - |
| ·OH | - | - | - | - |
| ·SO4 | 37.850 | 37.850 | 37.850 | 40.490 |
| ·S2O3 | - | - | - | - |
| ·HCO3 | 2.227 | 2.227 | 2.227 | 13.800 |
| ·CO3 | - | - | - | - |
| ·SI02 (MG/KG)(MMOL/KG) | | | | |
| ·BB02 | 5.124 | 5.124 | 5.124 | 43.302 |
| ·H3PO4 | - | - | - | 6.000 |
| ·HAS02 | - | - | - | - |
| ·CO2 | - | - | - | - |
| ·H2S | 0.990 | 0.990 | 0.990 | 33.160 |
| ·RN (*E-10 CURTIE/L) | - | - | - | 4.281 |
| ·NA/K | 574.568 | 574.568 | 574.568 | 200.272 |
| ·CA/(HCO3+CO3) | 13.495 | 13.495 | 13.495 | 4.234 |
| ·MG/CA | 0.391 | 0.391 | 0.391 | 0.375 |
| ·NA/CA | 1.402 | 1.402 | 1.402 | 0.209 |
| ·CL/(HCO3+CO3) | 15.341 | 15.341 | 15.341 | 2.122 |
| ·CL/F | - | - | - | - |
| ·CL*100/(CL+SO4+HCO3+CO3) | 40.445 | 40.445 | 40.445 | 30.977 |
| ·SO4*100/(CL+SO4+HCO3+CO3) | 56.918 | 56.918 | 56.918 | 54.421 |
| ·(HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 2.636 | 2.636 | 2.636 | 14.601 |
| ·(NA+K)*100/(NA+K+CA+MG) | 50.252 | 50.252 | 50.252 | 13.236 |
| ·CA*100/(NA+K+CA+MG) | 35.770 | 35.770 | 35.770 | 63.124 |
| ·MG*100/(NA+K+CA+MG) | 13.978 | 13.978 | 13.978 | 23.640 |
| ·(CL+SO4)*100/(CL+SO4+HCO3+CO3) | 97.364 | 97.364 | 97.364 | 85.399 |
| ·(HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 2.636 | 2.636 | 2.636 | 14.601 |
| ·(NA+K)*100/(NA+K+CA+MG) | 50.252 | 50.252 | 50.252 | 13.236 |
| ·(CA+MG)*100/(NA+K+CA+MG) | 49.748 | 49.748 | 49.748 | 86.764 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 9 | SNC 10 | SNC 11 | SNC 12 |
|----------------------------------|---------|--------|----------|----------|
| INO | 67.44 | 48.0 | 54.3 | 55.0 |
| TEMP | 95.900 | 7.20 | 1187.000 | 1618.000 |
| TSM | 6.60 | - | 7.50 | 7.30 |
| PH(FD) | 6.60 | - | 7.29 | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.047 | 0.001 | 7.993 | 0.204 |
| NA | 15.880 | 0.691 | 133.900 | 4.994 |
| INH4 | - | 15.940 | - | 95.690 |
| CA | 9.871 | 0.493 | 157.900 | 272.300 |
| MG | 2.339 | 0.192 | 26.000 | 40.580 |
| FE | 2.999 | 0.107 | 0.030 | 3.339 |
| MN | - | - | 0.370 | 0.014 |
| ZN | - | - | - | 0.013 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | 5.114 |
| CL | 19.850 | 0.560 | 70.050 | 85.700 |
| BR | - | - | - | 2.418 |
| T | - | - | - | - |
| F | - | - | 1.519 | - |
| IOH | - | - | - | - |
| S04 | 27.850 | 0.580 | 329.700 | 547.400 |
| S203 | - | - | 0.083 | 7.180 |
| HC03 | 2.227 | 0.037 | 36.780 | 417.800 |
| HC03 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 5.124 | 0.085 | 82.060 | 119.786 |
| HB02 | - | - | 11.761 | 7.090 |
| H3PO4 | - | 40.932 | - | - |
| HAS02 | - | - | 0.418 | - |
| CO2 | 0.990 | 0.022 | 96.470 | 124.700 |
| H2S | - | - | 97.889 | 74.448 |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 574.568 | 6.148 | 28.488 | 32.584 |
| CA/(HC03+CO3) | 13.495 | 0.433 | 13.070 | 1.984 |
| MG/CA | 0.391 | 1.056 | 0.272 | 0.246 |
| NA/CA | 1.402 | 0.805 | 0.739 | 0.306 |
| CL/(HC03+CO3) | 15.341 | 0.103 | 3.278 | 0.353 |
| CL/F | - | - | 24.714 | - |
| CL*100/(CL+S04+HC03+CO3) | 47.604 | 8.907 | 20.926 | 11.701 |
| SO4*100/(CL+S04+HC03+CO3) | 49.293 | 4.554 | 72.690 | 55.158 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.103 | 86.539 | 6.384 | 33.141 |
| (NA+K)*100/(NA+K+CA+MG) | 50.252 | 31.281 | 37.578 | 20.221 |
| CA*100/(NA+K+CA+MG) | 35.770 | 33.428 | 49.098 | 64.041 |
| MG*100/(NA+K+CA+MG) | 13.978 | 33.291 | 13.332 | 15.739 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 96.897 | 13.461 | 93.616 | 66.859 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.103 | 86.539 | 6.384 | 33.141 |
| (NA+K)*100/(NA+K+CA+MG) | 50.252 | 31.281 | 37.578 | 20.221 |
| (CA+MG)*100/(NA+K+CA+MG) | 49.748 | 68.719 | 62.430 | 79.779 |

第17-2表 白根北部地域水質一覽表(つづき)

| | SNC 13 | SNC 14 | SNC 15 | SNC 16 |
|----------------------------------|----------|---------|----------|----------|
| NO | 65.0 | 51.3 | 67.0 | 67.0 |
| TEMP | 1204.000 | 263.000 | 1193.000 | 1193.000 |
| PH(FD) | 7.80 | 8.20 | 6.60 | 6.60 |
| PH(LB) | 7.56 | 8.20 | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 4.096 | 1.280 | 5.555 | 0.142 |
| INA | 83.990 | 29.750 | 268.300 | 268.300 |
| NH4 | - | - | - | - |
| CA | 215.700 | 33.590 | 60.130 | 60.130 |
| MG | 2.551 | 4.097 | 15.200 | 15.200 |
| FE | 0.220 | 0.008 | 0.150 | 0.005 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 0.010 | 0.001 |
| CL | 31.580 | 4.979 | 311.600 | 311.600 |
| BR | - | - | - | - |
| IT | - | - | - | - |
| F | 0.855 | 0.045 | - | - |
| OH | - | 0.027 | - | - |
| S04 | 388.600 | 8.091 | 0.002 | 0.002 |
| S203 | 3.501 | 42.550 | 0.886 | 0.886 |
| HC03 | 291.500 | 4.774 | 1.990 | 1.990 |
| CO3 | - | 1.522 | 30.630 | 30.630 |
| ST02 (MG/KG)(MMOL/KG) | 38.173 | 39.402 | 159.861 | 159.861 |
| HB02 | 15.500 | 4.167 | 2.834 | 2.834 |
| H3PO4 | - | 1.675 | 3.419 | 3.419 |
| HAS02 | - | - | - | - |
| CO2 | 1.658 | 0.038 | - | - |
| H2S | 25.410 | 0.746 | 17.600 | 17.600 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 34.870 | 39.578 | 82.134 | 82.134 |
| CA/(HC03+CC3) | 2.254 | 0.821 | 5.977 | 5.977 |
| MG/CA | 0.020 | 0.201 | 0.417 | 0.417 |
| INA/CA | 0.339 | 0.773 | 3.890 | 3.890 |
| CL/(HC03+CC3) | 0.187 | 0.069 | 1.7510 | 1.7510 |
| CL/F | 19.794 | - | - | - |
| CL*100/(CL+S04+HC03+CC3) | 6.476 | 4.580 | 59.040 | 59.040 |
| S04*100/(CL+S04+HC03+CC3) | 58.816 | 28.886 | 37.588 | 37.588 |
| (HC03+CC3)*100/(CL+S04+HC03+CC3) | 34.708 | 66.534 | 3.372 | 3.372 |
| (NA+K)*100/(NA+K+CA+MG) | 25.512 | 39.756 | 73.536 | 73.536 |
| CA*100/(NA+K+CA+MG) | 73.063 | 50.155 | 18.678 | 18.678 |
| MG*100/(NA+K+CA+MG) | 1.425 | 1.088 | 7.786 | 7.786 |
| (CL+S04)*100/(CL+S04+HC03+CC3) | 65.292 | 33.466 | 96.628 | 96.628 |
| (HC03+CC3)*100/(CL+S04+HC03+CC3) | 34.708 | 66.534 | 3.372 | 3.372 |
| (NA+K)*100/(NA+K+CA+MG) | 25.512 | 39.756 | 73.536 | 73.536 |
| (CA+MG)*100/(NA+K+CA+MG) | 74.488 | 60.244 | 26.464 | 26.464 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 21 | SNC 22 | SNC 23 | SNC 24 |
|----------------------------------|----------|----------|----------|----------|
| INO | 92.0 | 30.0 | 51.3 | 56.3 |
| TEMP | 1528.000 | 1032.000 | 1279.000 | 1010.000 |
| TSM | 8.40 | 6.80 | 17.40 | 6.90 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.458 | 0.012 | 0.313 | 0.430 |
| INA | 306.100 | 13.315 | 220.400 | 202.600 |
| INH4 | - | 0.484 | - | - |
| CA | 114.800 | 5.729 | 109.900 | 93.530 |
| MG | 1.150 | 0.095 | 11.580 | 2.622 |
| FE | 0.150 | 0.005 | 0.250 | 1.998 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.638 | 0.182 | 9.103 | 0.898 |
| CL | 43.200 | 1.219 | 306.200 | 249.000 |
| BR | - | - | - | - |
| LI | - | - | - | - |
| F | - | - | - | - |
| OH | 0.043 | 0.003 | - | - |
| S04 | 351.900 | 7.327 | 367.100 | 293.700 |
| S203 | - | - | - | - |
| HCO3 | 42.370 | 0.694 | 43.660 | 42.010 |
| CO3 | 3.127 | 0.104 | - | - |
| SI02 (MG/KG)(MMOL/KG) | 159.778 | 2.660 | - | 85.931 |
| HB02 | 24.210 | 0.552 | - | 1.599 |
| H3PO4 | 15.443 | 0.158 | 1.410 | 3.150 |
| HAS02 | - | - | - | - |
| CO2 | 4.093 | 0.093 | - | - |
| H2S | - | - | - | - |
| IRN (*E-10) (CURIE/L) | - | - | - | - |
| INA/K | 1136.545 | 693.570 | 1197.446 | 801.235 |
| CA/(HCO3+CO3) | 7.173 | 11.982 | 7.664 | 6.778 |
| MG/CA | 0.017 | 0.133 | 0.174 | 0.046 |
| INA/GA | 2.324 | 2.133 | 1.748 | 1.888 |
| CL/(HCO3+CO3) | 1.526 | 23.830 | 12.071 | 10.202 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 13.042 | 59.053 | 50.822 | 50.799 |
| S04*100/(CL+S04+HCO3+CO3) | 78.410 | 38.469 | 44.968 | 44.222 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.547 | 2.478 | 4.210 | 4.979 |
| (NA+K)*100/(NA+K+CA+MG) | 69.592 | 65.351 | 59.850 | 64.377 |
| CA*100/(NA+K+CA+MG) | 29.914 | 30.592 | 34.206 | 34.049 |
| MG*100/(NA+K+CA+MG) | 0.494 | 4.057 | 5.944 | 1.574 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.453 | 97.522 | 95.021 | 95.021 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.547 | 2.478 | 4.210 | 4.979 |
| (NA+K)*100/(NA+K+CA+MG) | 69.592 | 65.351 | 59.850 | 64.377 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.408 | 34.649 | 40.150 | 35.623 |

第17-2表 白根北部地域水質一覽表(つづき)

| | SNC 25 | SNC 26 | SNC 27 | SNC 28 |
|----------------------------------|----------|----------|----------|----------|
| INO | 97.4 | 85.1 | 61.6 | 72.7 |
| TEMP | 1467.000 | 1561.000 | 1660.000 | 1406.000 |
| TSM | 8.00 | 7.80 | 7.80 | 7.20 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.327 | 0.156 | 0.004 | 0.015 |
| NA | 359.700 | 371.700 | 230.400 | 281.600 |
| NH4 | - | - | - | 1.133 |
| CA | 99.070 | 100.700 | 103.900 | 133.500 |
| MG | 3.689 | 1.747 | 1.796 | 2.136 |
| FE | 0.100 | 0.100 | 0.004 | 0.004 |
| MN | - | - | - | 1.600 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.951 | 0.422 | 0.047 | 0.047 |
| CL | 445.200 | 466.300 | 263.000 | 361.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 1.616 | - | - | - |
| SO4 | 309.100 | 362.500 | 344.900 | 384.800 |
| S2O3 | - | - | - | - |
| HC03 | 80.240 | 37.650 | 37.150 | 50.220 |
| CO3 | 5.701 | 0.190 | - | - |
| SI02 (MG/KG) (MMOL/KG) | 93.008 | 151.783 | 97.470 | 117.472 |
| HB02 | 6.399 | 4.794 | 1.598 | 1.598 |
| H3FO4 | 19.368 | 3.531 | 0.036 | 0.106 |
| HAS02 | - | - | - | - |
| CO2 | - | 30.060 | 17.210 | 0.391 |
| H2S | - | - | - | - |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 460.955 | 4051.881 | 668.611 | 422.660 |
| CA/(HC03+CO3) | 3.284 | 8.143 | 8.513 | 8.093 |
| MG/CA | 0.061 | 0.029 | 0.029 | 0.026 |
| INA/GA | 3.165 | 3.218 | 1.933 | 1.839 |
| CL/(HC03+CO3) | 8.344 | 21.317 | 12.185 | 12.379 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 61.265 | 61.703 | 48.782 | 53.561 |
| S04*100/(CL+S04+HC03+CO3) | 31.393 | 35.402 | 47.214 | 42.113 |
| (HC03*CO3)*100/(CL+S04+HC03+CO3) | 7.342 | 2.895 | 4.003 | 4.327 |
| (NA+K)*100/(NA+K+CA+MG) | 74.928 | 75.781 | 65.306 | 64.232 |
| CA*100/(NA+K+CA+MG) | 23.622 | 33.545 | 33.732 | 34.849 |
| MG*100/(NA+K+CA+MG) | 1.451 | 0.674 | 0.962 | 0.919 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 92.658 | 97.105 | 95.997 | 95.873 |
| (HC03*CO3)*100/(CL+S04+HC03+CO3) | 7.342 | 2.895 | 4.003 | 4.327 |
| (NA+K)*100/(NA+K+CA+MG) | 74.928 | 75.781 | 65.306 | 64.232 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.072 | 24.219 | 34.694 | 35.768 |

第17-2表 白根北部地域水質一覧表 (つづき)

| | SNC 29 | SNC 30 | SNC 31 | SNC 32 | SNC 33 |
|----------------------------------|----------|----------|---------|----------|----------|
| INO | 92.0 | 36.0 | 42.0 | 93.0 | 93.0 |
| TEMP | 1450.000 | 1716.000 | 967.000 | 1075.000 | 1075.000 |
| TSM | 8.10 | 6.90 | 6.80 | 8.00 | 8.00 |
| PH(FD) | - | - | - | - | - |
| PH(LB) | - | - | - | - | - |
| H (MG/KG)(PVAL/KG) | - | - | - | - | - |
| K | 63.300 | 52.900 | 1.353 | 0.821 | 0.156 |
| NA | 356.000 | 467.000 | 20.315 | 198.200 | 264.700 |
| NH4 | - | - | - | - | - |
| CA | 55.080 | 86.530 | 4.338 | 89.550 | 67.150 |
| MG | 1.497 | 8.424 | 0.693 | 6.557 | 3.302 |
| FE | 0.359 | 0.800 | 0.029 | 0.500 | 0.100 |
| MN | - | - | - | - | - |
| ZN | - | - | - | - | - |
| CU | - | - | - | - | - |
| PB | - | - | - | - | - |
| AL | - | - | 0.159 | 0.018 | 0.947 |
| CL | 565.900 | 756.000 | 21.327 | 221.100 | 308.700 |
| BR | - | - | - | - | - |
| I | - | - | - | - | - |
| F | - | - | - | - | - |
| IOH | - | - | - | - | - |
| S04 | 178.800 | 240.000 | 4.997 | 324.600 | 6.758 |
| S2O3 | - | - | - | - | - |
| HCO3 | 46.660 | 20.640 | 0.338 | 36.060 | 0.340 |
| CO3 | 17.730 | 0.054 | 0.002 | - | 236.900 |
| SI02 (MG/KG)(MMOL/KG) | 139.859 | 112.561 | 1.874 | 87.931 | 83.840 |
| HBO2 | 0.226 | - | 0.799 | 0.799 | 1.560 |
| H3PO4 | - | - | - | - | - |
| H2SO2 | - | - | - | 3.989 | 7.825 |
| CO2 | - | - | - | - | - |
| H2S | - | 64.300 | 1.461 | 26.360 | 0.599 |
| IRN (*E-10 CURTE/L) | - | - | - | - | - |
| INA/K | 9.564 | 15.012 | - | 410.534 | 2885.480 |
| CA/(HCO3+CO3) | 2.027 | 12.755 | - | 7.561 | 2.350 |
| MG/CA | 0.045 | 0.160 | - | 0.121 | 0.081 |
| INA/CA | 5.634 | 4.683 | - | 1.529 | 3.436 |
| CL/(HCO3+CO3) | 11.776 | 62.709 | - | 10.553 | 6.106 |
| CL/F | - | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 75.866 | 79.984 | - | 45.908 | 57.799 |
| S04*100/(CL+S04+HCO3+CO3) | 17.691 | 18.740 | - | 49.742 | 32.736 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.443 | 1.275 | - | 4.350 | 9.465 |
| (NA+K)*100/(NA+K+CA+MG) | 85.625 | 81.156 | - | 63.313 | 76.075 |
| CA*100/(NA+K+CA+MG) | 13.758 | 16.247 | - | 32.735 | 22.131 |
| MG*100/(NA+K+CA+MG) | 0.617 | 2.596 | - | 3.953 | 1.795 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 93.557 | 98.725 | - | 95.650 | 90.535 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.443 | 1.275 | - | 4.350 | 9.465 |
| (NA+K)*100/(NA+K+CA+MG) | 85.625 | 81.156 | - | 63.313 | 76.075 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.375 | 18.844 | - | 36.687 | 23.925 |

第17-2表 白根北部地域水質一覽表 (つづき)

| | SNC 33 | SNC 34 | SNC 35 | SNC 36 |
|----------------------------------|---------|----------|----------|----------|
| NO | 57.7 | 70.2 | 41.0 | 50.1 |
| TEMP | 17.6 | 1280.000 | 822.000 | 1002.000 |
| TSM | 7.10 | 7.30 | 7.30 | 6.80 |
| PH(PFD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 2.030 | 0.156 | 0.156 | 0.587 |
| NA | 461.700 | 280.800 | 192.700 | 233.200 |
| INH4 | - | 0.004 | 0.004 | 0.015 |
| CA | 88.670 | 12.215 | 8.382 | 10.144 |
| MG | 2.572 | 5.065 | 2.874 | 3.909 |
| FE | 0.212 | 5.729 | 0.116 | 0.120 |
| MN | 0.100 | 0.471 | 0.120 | 0.004 |
| ZN | - | 0.007 | 0.004 | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.947 | 0.105 | 0.105 | 0.041 |
| CL | 581.800 | 305.100 | 203.400 | 270.100 |
| BR | - | 8.607 | 5.738 | 7.620 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 358.400 | 8.209 | 4.787 | 5.755 |
| S2O3 | 52.080 | 0.885 | 0.853 | 0.689 |
| HO03 | - | 52.060 | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 137.320 | 1.618 | 0.932 | 1.231 |
| H802 | 3.195 | 0.018 | 0.000 | 0.346 |
| H3PO4 | 7.367 | 5.208 | 0.053 | 0.084 |
| HAS02 | - | - | - | - |
| CO2 | 6.469 | 0.515 | 0.147 | 0.212 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 386.770 | 3060.985 | 2100.612 | 675.584 |
| CA/(HCO3+CO3) | 5.184 | 5.722 | 3.369 | 5.677 |
| MG/CA | 0.048 | 0.093 | 0.040 | 0.031 |
| NA/CA | 4.539 | 2.412 | 2.916 | 2.595 |
| CL/(HCO3+CO3) | 19.228 | 9.723 | 6.725 | 11.066 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 66.372 | 48.622 | 50.431 | 54.182 |
| S04*100/(CL+S04+HCO3+CO3) | 30.176 | 46.377 | 42.069 | 40.921 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.452 | 5.001 | 7.499 | 4.896 |
| (NA+K)*100/(NA+K+CA+MG) | 81.284 | 68.819 | 73.717 | 71.603 |
| CA*100/(NA+K+CA+MG) | 17.861 | 28.526 | 25.265 | 27.552 |
| MG*100/(NA+K+CA+MG) | 0.854 | 2.655 | 1.018 | 0.845 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 96.548 | 94.999 | 92.501 | 95.104 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.452 | 5.001 | 7.499 | 4.896 |
| (NA+K)*100/(NA+K+CA+MG) | 81.284 | 68.819 | 73.717 | 71.603 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.716 | 31.181 | 26.283 | 28.337 |

第17-2表 白根北部地域水質一覽表 (つづき)

| | SNC 37 | SNC 38 | SNC 39 | SNC 40 |
|----------------------------------|--------|----------|----------|----------|
| NO | - | 62.0 | 97.8 | 56.5 |
| TEMP | - | 1328.000 | 1645.000 | 1647.000 |
| TSM | 1.071 | 6.80 | 7.80 | 8.00 |
| PH(TD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 0.032 | 0.937 | 0.024 | 0.025 |
| INA | 0.325 | 298.700 | 12.993 | 17.444 |
| INR4 | - | - | - | - |
| ICA | 0.010 | 104.700 | 5.225 | 5.180 |
| MG | 0.001 | 1.797 | 3.251 | 0.268 |
| FE | - | 0.999 | 0.036 | 0.014 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | TR. | 0.951 | 0.106 | 0.047 |
| CL | 0.449 | 378.800 | 10.686 | 14.940 |
| BR | - | - | - | - |
| LI | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 0.085 | 319.100 | 6.644 | 6.717 |
| S203 | - | - | - | - |
| H003 | 0.071 | 65.050 | 1.066 | 1.066 |
| C03 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 0.065 | 107.163 | 1.784 | 2.414 |
| H002 | - | 0.799 | 0.018 | 0.018 |
| H3P04 | - | 6.623 | 0.068 | 0.123 |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 0.011 | 8.800 | 0.200 | 0.117 |
| BN (#E-10 CURIE/L) | - | - | - | - |
| NA/K | 17.271 | 54.2106 | 710.333 | 467.258 |
| CA/(HCO3+CO3) | 0.429 | 4.900 | 4.861 | 4.829 |
| MG/CA | 0.165 | 0.028 | 0.052 | 0.067 |
| INA/CA | 28.332 | 2.487 | 3.368 | 3.194 |
| CL/(HCO3+CO3) | 10.885 | 10.023 | 14.021 | 13.433 |
| ICL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 81.196 | 58.089 | 65.751 | 65.739 |
| S04*100/(CL+S04+HCO3+CO3) | 11.344 | 36.115 | 29.560 | 29.367 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.460 | 5.796 | 4.689 | 4.894 |
| (NA+K)*100/(NA+K+CA+MG) | 96.259 | 70.786 | 76.229 | 75.006 |
| CA*100/(NA+K+CA+MG) | 3.212 | 28.410 | 22.603 | 23.430 |
| MG*100/(NA+K+CA+MG) | 0.530 | 0.804 | 1.167 | 1.565 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 92.540 | 94.204 | 95.311 | 95.106 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.460 | 5.796 | 4.689 | 4.894 |
| (NA+K)*100/(NA+K+CA+MG) | 96.259 | 70.786 | 76.229 | 75.006 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.741 | 29.214 | 23.771 | 24.994 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 41 | SNC 42 | SNC 43 | SNC 44 |
|----------------------------------|----------|----------|---------|----------|
| NO | 96.0 | 68.0 | 41.5 | - |
| TEMP | 1701.000 | 1140.000 | 801.000 | 850.000 |
| TSM | 8.00 | 7.20 | 6.90 | 6.80 |
| PH(FD) | - | - | 6.90 | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 1.016 | 1.172 | 7.857 | 0.201 |
| NA | 403.600 | 253.500 | 150.686 | 6.555 |
| INH4 | - | - | - | - |
| CA | 108.600 | 91.120 | 86.330 | 4.308 |
| MG | 1.359 | 1.603 | 5.595 | 0.460 |
| FE | 0.100 | 0.100 | 0.335 | 0.012 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| IPR | - | - | - | - |
| AL | 3.593 | 0.423 | - | 13.750 |
| CL | 539.800 | 319.200 | 274.400 | 7.741 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.867 | 0.051 | - | - |
| S04 | 358.400 | 7.462 | 44.690 | 0.930 |
| S2B3 | - | - | - | - |
| HC03 | 35.760 | 50.110 | 170.800 | 2.799 |
| CO3 | 0.810 | 0.027 | 0.039 | 0.001 |
| ST02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 170.554 | 2.840 | 18.303 | 0.138 |
| H3P04 | 0.920 | 0.021 | 0.634 | 0.014 |
| H3P04 | 8.325 | 0.085 | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | 12.360 | 53.210 | 1.209 |
| H2S | - | - | 2.267 | 0.067 |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 675.532 | 367.823 | 32.614 | 1733.250 |
| CA/(HC03+CO3) | 8.839 | 5.536 | 1.538 | 4.038 |
| MG/GA | 0.021 | 0.029 | 0.107 | 0.119 |
| INA/GA | 3.240 | 2.425 | 1.522 | 2.089 |
| CL/(HC03+CO3) | 24.837 | 10.964 | 2.764 | 7.727 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 65.347 | 57.418 | 67.476 | 51.676 |
| S04*100/(CL+S04+HC03+CO3) | 32.021 | 37.345 | 8.111 | 41.637 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.631 | 5.237 | 24.413 | 6.688 |
| (NA+K)*100/(NA+K+CA+MG) | 76.070 | 70.267 | 58.623 | 65.119 |
| CA*100/(NA+K+CA+MG) | 23.446 | 28.895 | 37.381 | 31.158 |
| MG*100/(NA+K+CA+MG) | 0.484 | 0.838 | 3.995 | 3.723 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97.369 | 94.763 | 75.567 | 93.312 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.631 | 5.237 | 24.413 | 6.688 |
| (NA+K)*100/(NA+K+CA+MG) | 76.070 | 70.267 | 58.623 | 65.119 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.930 | 29.733 | 41.377 | 34.881 |

第17-2表 白根北部地域水質一覧表 (つづき)

| | SNC 45 | SNC 46 | SNC 47 | SNC 48 |
|----------------------------------|----------|----------|---------|---------|
| INO | 47.5 | 58.7 | 60.0 | 56.2 |
| TEMP | 1545.000 | 1081.000 | 910.000 | 856.000 |
| TSM | 8.00 | 7.50 | 6.80 | 7.10 |
| PH(FD) | 7.56 | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 19.350 | 0.391 | 1.172 | 0.469 |
| INA | 374.800 | 201.000 | 201.700 | 199.400 |
| INH4 | - | - | - | - |
| CA | 108.900 | 80.670 | 75.930 | 3.989 |
| MG | 3.172 | 3.400 | 2.428 | 1.506 |
| FE | - | 0.261 | 0.200 | 0.124 |
| MN | - | - | 0.007 | 0.004 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 7.718 | 0.898 | 0.395 |
| CL | 492.100 | 13.882 | 271.600 | 7.662 |
| BR | - | 239.400 | - | 224.500 |
| IT | - | - | - | - |
| IF | - | - | - | - |
| OH | - | - | - | - |
| S04 | 334.100 | 308.600 | 218.400 | 270.200 |
| S203 | - | - | - | - |
| HCO3 | 75.440 | 42.740 | 50.050 | 44.310 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 85.529 | 115.315 | 73.937 | 59.605 |
| HB02 | 12.784 | 30.229 | 8.992 | 0.205 |
| H3PO4 | 3.048 | 1.363 | - | 7.779 |
| HAS02 | - | - | - | - |
| CO2 | - | 7.535 | 7.922 | 7.658 |
| H2S | 0.800 | 0.023 | - | 0.174 |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 32.939 | 874.194 | 292.662 | 723.005 |
| CA/(HC03+CO3) | 4.395 | 5.746 | 4.619 | 5.492 |
| MG/CA | 0.048 | 0.070 | 0.053 | 0.031 |
| INA/CA | 3.000 | 2.172 | 2.316 | 2.175 |
| CL/(HC03+CO3) | 11.227 | 9.641 | 9.340 | 8.720 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 62.887 | 48.660 | 58.805 | 49.926 |
| S04*100/(CL+S04+HC03+CO3) | 31.511 | 46.293 | 34.899 | 44.348 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.601 | 5.047 | 6.296 | 5.725 |
| (NA+K)*100/(NA+K+CA+MG) | 74.681 | 67.032 | 68.820 | 67.867 |
| CA*100/(NA+K+CA+MG) | 24.158 | 30.826 | 29.618 | 31.165 |
| MG*100/(NA+K+CA+MG) | 1.160 | 2.143 | 1.562 | 0.968 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 94.399 | 94.953 | 92.704 | 94.275 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.601 | 5.047 | 6.296 | 5.725 |
| (NA+K)*100/(NA+K+CA+MG) | 74.681 | 67.032 | 68.820 | 67.867 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.319 | 32.968 | 31.180 | 32.133 |

第17-2表 白根北部地域水質一覽表(つづき)

| | SNC 49 | SNC 50 | SNC 51 | SNC 52 |
|----------------------------------|---------|--------|--------|--------|
| NO | - | 40.0 | 39.0 | 43.0 |
| TEMP | - | 1.114 | 1.114 | 1.114 |
| TSM | - | - | - | - |
| PH(CFD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.039 | 0.039 | 0.039 | 0.039 |
| NA | 0.178 | 0.178 | 0.178 | 0.178 |
| INH4 | - | - | - | - |
| CA | 0.122 | 0.122 | 0.122 | 0.122 |
| MG | 0.003 | 0.003 | 0.003 | 0.003 |
| FE | 0.001 | 0.001 | 0.001 | 0.001 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.004 | 0.004 | 0.004 | 0.004 |
| CL | 0.326 | 0.326 | 0.326 | 0.326 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 0.258 | 0.258 | 0.258 | 0.258 |
| S2O3 | - | - | - | - |
| HC03 | 0.001 | 0.001 | 0.001 | 0.001 |
| CO3 | - | - | - | - |
| STO2 (MG/KG)(MMOL/KG) | 0.088 | 0.088 | 0.088 | 0.088 |
| HSO2 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HASO2 | - | - | - | - |
| CO2 | 0.013 | 0.013 | 0.013 | 0.013 |
| H2S | - | - | - | - |
| IRN (*E-10 CURTE/L) | 1.893 | 3.469 | 3.658 | 4.335 |
| INA/K | 7.761 | 7.761 | 7.761 | 7.761 |
| CA/(HC03+CO3) | 371.434 | 6.089 | 6.089 | 6.089 |
| MG/CA | 0.041 | - | 0.041 | 0.041 |
| INA/CA | 1.272 | 1.272 | 1.272 | 1.272 |
| CL/(HC03+CO3) | 561.102 | 9.198 | 9.198 | 9.198 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 63.057 | 59.074 | 59.074 | 59.074 |
| S04*100/(CL+S04+HC03+CO3) | 36.831 | 34.504 | 34.504 | 34.504 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.112 | 6.422 | 6.422 | 6.422 |
| (NA+K)*100/(NA+K+CA+MG) | 57.980 | - | 57.980 | 57.980 |
| CA*100/(NA+K+CA+MG) | 40.383 | - | 40.383 | 40.383 |
| MG*100/(NA+K+CA+MG) | 1.638 | - | 1.638 | 1.638 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.888 | 93.578 | 93.578 | 93.578 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.112 | 6.422 | 6.422 | 6.422 |
| (NA+K)*100/(NA+K+CA+MG) | 57.980 | - | 57.980 | 57.980 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.020 | - | 42.020 | 42.020 |

第17-2表 白根北部地域水質一覽表 (つぎ)

| | SNC 53 | SNC 54 | SNC 55 | SNC 56 |
|----------------------------------|-----------|----------|----------|---------|
| NO | 97.3 | 82.4 | | |
| TEMP | 1749.1000 | 1598.000 | 1184.000 | 689.000 |
| TSM | 8.30 | 7.50 | 7.50 | 6.70 |
| PH(FD) | 8.25 | | | |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 15.980 | 53.950 | 0.781 | 1.953 |
| NA | 471.400 | 506.100 | 342.600 | 154.800 |
| INH4 | | | | |
| CA | 57.550 | 2.872 | 39.520 | 42.110 |
| MG | 1.603 | 0.132 | 0.461 | 5.398 |
| FE | 0.060 | 0.002 | 0.100 | 0.444 |
| MN | 0.030 | 0.001 | | 0.002 |
| ZN | | | | |
| CU | | | | |
| IPR | | | | |
| AL | | | 0.005 | |
| CL | 647.000 | 866.100 | 485.100 | 187.700 |
| BR | | | | |
| I | | | | |
| F | 2.297 | | | |
| OH | 0.034 | | | |
| S04 | 206.500 | 19.670 | 142.600 | 126.100 |
| S2O3 | | | | |
| HC03 | 46.440 | 176.700 | 36.610 | 87.870 |
| CO3 | 11.270 | 0.376 | | |
| ST02 (MG/KG) (MMOL/KG) | 136.770 | 28.018 | 101.394 | 63.575 |
| H002 | 83.480 | 0.412 | 5.669 | 1.134 |
| H3P04 | 0.582 | 0.006 | 5.699 | 0.058 |
| HAS02 | 1.337 | 0.012 | | |
| C02 | | 13.670 | 8.802 | 8.802 |
| H2S | 1.682 | 11.895 | 0.349 | 0.200 |
| IRN (*E-10) (CURIE/L) | | | | |
| INA/K | 50.165 | 15.953 | 745.976 | 134.790 |
| CA/(HC03+C03) | 2.526 | 1.360 | 3.287 | 1.459 |
| MG/CA | 0.046 | 0.117 | 0.395 | 0.211 |
| INA/CA | 7.141 | 5.578 | 7.557 | 3.205 |
| CL/(HC03+C03) | 16.056 | 8.420 | 22.806 | 3.677 |
| CL/F | 150.949 | | | |
| CL*100/(CL+S04+HC03+C03) | 77.051 | 88.065 | 79.315 | 56.567 |
| S04*100/(CL+S04+HC03+C03) | 18.150 | 1.476 | 17.208 | 28.047 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.799 | 10.459 | 3.478 | 15.386 |
| (NA+K)*100/(NA+K+CA+MG) | 87.442 | 84.146 | 84.432 | 72.715 |
| CA*100/(NA+K+CA+MG) | 12.006 | 14.195 | 11.157 | 22.524 |
| MG*100/(NA+K+CA+MG) | 0.552 | 1.660 | 4.411 | 4.761 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.201 | 89.541 | 96.522 | 84.614 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.799 | 10.459 | 3.478 | 15.386 |
| (NA+K)*100/(NA+K+CA+MG) | 87.442 | 84.146 | 84.432 | 72.715 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.558 | 15.854 | 15.568 | 27.285 |

第17-2表 白根北部地域水質一覽表 (つづき)

| | SNC 57 | SNC 58 | SNC 59 | SNC 60 |
|----------------------------------|---------|---------|---------|---------|
| INO | 98.0 | 33.0 | 20.0 | 58.0 |
| TEMP | 699.000 | 699.000 | 582.000 | 865.200 |
| TSM | 6.70 | 6.70 | 7.80 | 7.10 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.953 | 0.050 | 0.050 | 0.158 |
| INA | 154.800 | 154.800 | 6.173 | 23.860 |
| INH4 | - | - | 126.100 | 173.900 |
| CA | 42.110 | 2.101 | 40.400 | 53.850 |
| MG | 5.394 | 0.444 | 5.929 | 7.698 |
| FE | 0.050 | 0.002 | 0.200 | 0.633 |
| MN | - | - | - | 0.999 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 0.050 | 0.100 |
| CL | 187.700 | 5.295 | 191.300 | 255.800 |
| BR | - | - | - | - |
| IT | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 126.100 | 2.625 | 123.800 | 174.900 |
| S203 | - | - | - | - |
| H003 | 87.870 | 1.440 | 1.550 | 41.740 |
| CO3 | - | - | - | - |
| SI02 (NS/KG)(MMOL/KG) | 63.575 | 1.059 | 32.995 | 86.623 |
| HB02 | 1.134 | 0.026 | 28.360 | - |
| H3F04 | 1.140 | 0.012 | 1.140 | - |
| HAS02 | - | - | - | - |
| CO2 | 8.802 | 0.200 | 34.240 | 22.310 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | 1.562 |
| NA/K | 134.790 | 134.790 | 34.738 | 12.394 |
| CA/(HCO3+CO3) | 1.459 | 1.459 | 9.077 | 3.928 |
| MG/CA | 0.211 | 0.211 | 0.242 | 0.236 |
| INA/CA | 3.205 | 3.205 | 2.721 | 2.815 |
| CL/(HCO3+CO3) | 3.677 | 3.677 | 24.300 | 10.548 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 56.567 | 56.567 | 65.843 | 62.522 |
| S04*100/(CL+S04+HCO3+CO3) | 28.047 | 28.047 | 31.448 | 31.550 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 15.386 | 15.386 | 2.710 | 5.927 |
| (NA+K)*100/(NA+K+CA+MG) | 72.718 | 72.718 | 69.267 | 71.114 |
| CA*100/(NA+K+CA+MG) | 22.524 | 22.524 | 24.744 | 23.375 |
| MG*100/(NA+K+CA+MG) | 4.758 | 4.758 | 5.989 | 5.511 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 84.614 | 84.614 | 97.290 | 94.073 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 15.386 | 15.386 | 2.710 | 5.927 |
| (NA+K)*100/(NA+K+CA+MG) | 72.718 | 72.718 | 69.267 | 71.114 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.282 | 27.282 | 30.733 | 28.886 |

第17-2表 白根北部地域水質一覧表 (つづき)

| | SNC 61 | SNC 62 | SNC 63 | SNC 64 |
|----------------------------------|---------|----------|---------|----------|
| NO | 98.0 | 98.0 | 92.0 | 90.0 |
| TEMP | 582.000 | 1184.000 | 582.000 | 1184.000 |
| TSM | 7.80 | 7.50 | 7.80 | 7.50 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 6.173 | 0.781 | 6.173 | 0.781 |
| INA | 126.100 | 342.600 | 126.100 | 342.600 |
| INH4 | | | | |
| CA | 40.400 | 1.972 | 40.400 | 1.972 |
| MG | 5.929 | 9.474 | 5.929 | 9.474 |
| FE | 0.200 | 0.100 | 0.200 | 0.100 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.050 | 0.005 | 0.050 | 0.005 |
| CL | 191.300 | 485.100 | 191.300 | 485.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 123.800 | 142.600 | 123.800 | 142.600 |
| S2O3 | - | - | - | - |
| HCO3 | 13.550 | 36.610 | 13.550 | 36.610 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 32.995 | 101.394 | 32.995 | 101.394 |
| H3PO4 | 28.360 | 0.647 | 28.360 | 0.647 |
| HAS02 | 1.140 | 5.699 | 1.140 | 5.699 |
| CO2 | 34.240 | 8.802 | 34.240 | 8.802 |
| H2S | - | - | - | - |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 34.738 | 745.976 | 34.738 | 745.976 |
| ICA/(HCO3+CO3) | 9.077 | 3.287 | 9.077 | 3.287 |
| MG/CA | 0.242 | 0.395 | 0.242 | 0.395 |
| INA/CA | 2.721 | 7.557 | 2.721 | 7.557 |
| CL/(HCO3+CO3) | 24.300 | 22.806 | 24.300 | 22.806 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 65.843 | 79.315 | 65.843 | 79.315 |
| S04*100/(CL+S04+HCO3+CO3) | 31.448 | 17.208 | 31.448 | 17.208 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 2.710 | 3.478 | 2.710 | 3.478 |
| (NA+K)*100/(NA+K+CA+MG) | 69.267 | 84.432 | 69.267 | 84.432 |
| CA*100/(NA+K+CA+MG) | 24.744 | 11.157 | 24.744 | 11.157 |
| MG*100/(NA+K+CA+MG) | 5.989 | 4.411 | 5.989 | 4.411 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 97.290 | 96.522 | 97.290 | 96.522 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 2.710 | 3.478 | 2.710 | 3.478 |
| (NA+K)*100/(NA+K+CA+MG) | 69.267 | 84.432 | 69.267 | 84.432 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.733 | 15.568 | 30.733 | 15.568 |

第17-2表 白根北部地域水質一覽表 (つづき)

| | SNC 65 | SNC 66 | SNC 67 | SNC 68 |
|----------------------------------|----------|---------|----------|----------|
| INO | 84.5 | 86.0 | - | 30.0 |
| TEMP | 1399.000 | 940.000 | 1992.400 | 1365.000 |
| TSM | 8.20 | 8.00 | 7.90 | 8.00 |
| PH(FD) | 8.64 | - | - | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 32.560 | 7.422 | 45.630 | 8.433 |
| INA | 305.700 | 230.800 | 516.300 | 397.500 |
| INH4 | - | - | - | - |
| CA | 76.080 | 46.400 | 101.900 | 54.970 |
| MG | 0.536 | 0.044 | 0.556 | 6.750 |
| FE | 0.260 | 0.100 | 1.398 | 0.099 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 0.499 | 0.399 | 0.099 |
| CL | 357.900 | 294.300 | 773.900 | 474.400 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.730 | - | - | - |
| OH | 0.010 | 1.820 | 0.408 | 5.817 |
| S04 | 305.200 | 141.100 | 272.200 | 220.300 |
| S203 | - | - | - | - |
| HCO3 | 55.610 | 70.720 | 88.465 | 55.590 |
| CO3 | 3.002 | 2.820 | 2.100 | 23.190 |
| ST02 (MG/KG)(MMOL/KG) | - | - | - | - |
| HB02 | 102.655 | 101.086 | 187.248 | 109.471 |
| H3P04 | 9.304 | 22.272 | 0.508 | 28.311 |
| HAS02 | - | 0.912 | 0.009 | 5.698 |
| CO2 | 3.756 | - | - | - |
| H2S | - | 5.112 | - | 4.260 |
| RN (*E=10 CURIE/L) | - | - | - | - |
| INA/K | 15.966 | 52.881 | 19.242 | 80.157 |
| CA/(HCO3+CO3) | 3.753 | 1.848 | 3.345 | 1.629 |
| MG/CA | 0.012 | 0.240 | 0.063 | 0.203 |
| INA/CA | 3.503 | 4.336 | 4.417 | 6.304 |
| CL/(HCO3+CO3) | 9.982 | 6.625 | 14.364 | 7.947 |
| CL/F | 110.867 | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 57.819 | 66.455 | 75.233 | 68.094 |
| S04*100/(CL+S04+HCO3+CO3) | 36.389 | 23.215 | 19.529 | 23.338 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.793 | 10.030 | 5.238 | 8.569 |
| (NA+K)*100/(NA+K+CA+MG) | 78.630 | 78.085 | 81.375 | 84.146 |
| CA*100/(NA+K+CA+MG) | 21.125 | 17.674 | 17.514 | 13.184 |
| MG*100/(NA+K+CA+MG) | 0.245 | 4.242 | 1.111 | 2.670 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 94.207 | 89.970 | 94.762 | 91.431 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.793 | 10.030 | 5.238 | 8.569 |
| (NA+K)*100/(NA+K+CA+MG) | 78.630 | 78.085 | 81.375 | 84.146 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.370 | 21.915 | 18.625 | 15.854 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 69 | | SNC 70 | | SNC 71 | | SNC 72 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| | 97.5 | 33.0 | 33.0 | 96.6 | 96.6 | 92.0 | 92.0 | |
| | 2056.000 | 1096.000 | 1096.000 | 1096.000 | 1096.000 | 1542.000 | 1542.000 | |
| | 8.20 | 7.61 | 7.61 | 8.20 | 8.20 | 8.10 | 8.10 | |
| | - | - | - | - | - | - | - | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 179.200 | 4.584 | 2.423 | 0.062 | 2.423 | 36.150 | 0.925 | |
| NA | 430.100 | 18.709 | 294.000 | 12.789 | 294.000 | 332.500 | 14.464 | |
| INH4 | | | | | | | | |
| -CA | 68.210 | 3.404 | 52.410 | 2.615 | 52.410 | 76.570 | 3.841 | |
| MG | 0.184 | 0.015 | 7.719 | 0.635 | 7.719 | 0.215 | 0.018 | |
| FF | 0.090 | 0.003 | 0.150 | 0.005 | 0.150 | - | - | |
| MN | - | - | - | - | - | - | - | |
| ZN | - | - | - | - | - | - | - | |
| CU | - | - | - | - | - | - | - | |
| PB | - | - | - | - | - | - | - | |
| AL | - | - | - | - | - | - | - | |
| CL | 842.400 | 23.764 | 420.500 | 11.862 | 420.500 | 433.800 | 12.237 | |
| BR | - | - | - | - | - | - | - | |
| I | - | - | - | - | - | - | - | |
| F | 1.854 | 0.109 | - | - | - | 1.740 | 0.092 | |
| S04 | 93.100 | 1.938 | 150.100 | 3.125 | 150.100 | 0.010 | 0.001 | |
| S203 | - | - | - | - | - | 287.600 | 5.988 | |
| HC03 | 47.040 | 0.771 | 68.160 | 1.117 | 68.160 | 59.300 | 0.972 | |
| CO3 | 7.801 | 0.260 | - | - | - | 4.201 | 0.140 | |
| ST02 (MG/KG)(MMOL/KG) | 175.093 | 2.915 | 76.892 | 1.280 | 76.892 | 121.582 | 2.024 | |
| HB02 | - | - | - | - | - | 11.465 | 0.262 | |
| H3PO4 | - | - | - | - | - | - | - | |
| HAS02 | - | - | - | - | - | 4.480 | 0.042 | |
| CO2 | - | - | 44.100 | 1.002 | 44.100 | - | - | |
| H2S | - | - | - | - | - | - | - | |
| IRN (*E-10 CURIE/L) | - | 3.301 | 3.301 | 3.301 | 3.301 | - | - | |
| INA/K | 4.082 | 206.340 | 206.340 | 206.340 | 206.340 | 15.641 | | |
| CA/(HC03+CO3) | 3.301 | 2.341 | 2.341 | 2.341 | 2.341 | 3.454 | | |
| MG/CA | 0.004 | 0.243 | 0.243 | 0.243 | 0.243 | 0.005 | | |
| NA/CA | 5.497 | 4.890 | 4.890 | 4.890 | 4.890 | 3.766 | | |
| CL/(HC03+CO3) | 23.050 | 10.618 | 10.618 | 10.618 | 10.618 | 11.003 | | |
| CL/F | - | - | - | - | - | 133.606 | | |
| CL*100/(CL+S04+HC03+CO3) | 88.893 | 73.658 | 73.658 | 73.658 | 73.658 | 63.284 | | |
| S04*100/(CL+S04+HC03+CO3) | 7.251 | 19.405 | 19.405 | 19.405 | 19.405 | 30.965 | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.857 | 6.937 | 6.937 | 6.937 | 6.937 | 5.750 | | |
| (NA+K)*100/(NA+K+CA+MG) | 87.201 | 79.813 | 79.813 | 79.813 | 79.813 | 79.953 | | |
| CA*100/(NA+K+CA+MG) | 12.742 | 16.242 | 16.242 | 16.242 | 16.242 | 19.955 | | |
| MG*100/(NA+K+CA+MG) | 0.057 | 3.945 | 3.945 | 3.945 | 3.945 | 0.092 | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 96.143 | 93.063 | 93.063 | 93.063 | 93.063 | 94.250 | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.857 | 6.937 | 6.937 | 6.937 | 6.937 | 5.750 | | |
| (NA+K)*100/(NA+K+CA+MG) | 87.201 | 79.813 | 79.813 | 79.813 | 79.813 | 79.953 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 12.799 | 20.187 | 20.187 | 20.187 | 20.187 | 20.047 | | |

第17-2表 白根北部地域水質一覧表 (つづき)

| | SNC 73 | SNC 74 | SNC 75 | SNC 76 |
|----------------------------------|----------|----------|----------|----------|
| NO | -62.0 | 86.0 | 97.0 | 97.0 |
| TEMP | 1028.000 | 1096.000 | 1547.000 | 1859.000 |
| TSM | 7.60 | 7.60 | 7.60 | 7.90 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MV/L/KG) | - | - | - | - |
| K | 12.110 | 2.423 | 0.062 | 47.020 |
| NA | 299.400 | 294.000 | 12.789 | 410.700 |
| NR4 | - | - | - | - |
| CA | 43.830 | 52.410 | 2.615 | 119.800 |
| MG | 1.030 | 7.719 | 0.635 | 0.148 |
| FE | 0.050 | 0.150 | 0.005 | 1.199 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.050 | - | - | 0.070 |
| CL | 449.700 | 420.500 | 11.862 | 567.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 2.466 | - | - | 3.317 |
| S04 | 92.500 | 150.100 | 3.125 | 356.500 |
| S203 | - | - | - | - |
| HC03 | 70.230 | 68.160 | 1.117 | 70.660 |
| CO3 | 2.940 | - | - | 27.120 |
| ST02 (MG/KG)(MMOL/KG) | 21.517 | 76.892 | 1.280 | 161.707 |
| HR02 | 17.001 | - | - | - |
| H3P04 | 0.114 | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | 44.100 | 1.002 | - |
| H2S | 2.727 | - | - | - |
| IRN (*F-10 CURIE/L) | - | 3.301 | 0.229 | 0.200 |
| INA/K | 42.003 | 206.340 | 13.439 | 14.854 |
| CA/(HC03+CO3) | 1.751 | 2.341 | 5.106 | 2.899 |
| MG/CA | 0.039 | 0.243 | 0.013 | 0.025 |
| INA/CA | 5.955 | 4.890 | 1.345 | 2.989 |
| CL/(HC03+CO3) | 10.156 | 10.618 | 11.044 | 7.767 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 79.983 | 73.658 | 49.120 | 62.805 |
| S04*100/(CL+S04+HC03+CO3) | 12.142 | 19.405 | 46.433 | 29.108 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.875 | 6.937 | 4.448 | 8.087 |
| (NA+K)*100/(NA+K+CA+MG) | 85.442 | 79.813 | 58.778 | 75.684 |
| CA*100/(NA+K+CA+MG) | 14.015 | 16.242 | 40.675 | 23.727 |
| MG*100/(NA+K+CA+MG) | 0.543 | 3.945 | 0.547 | 0.589 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 92.125 | 93.063 | 95.552 | 91.913 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 7.875 | 6.937 | 4.448 | 8.087 |
| (NA+K)*100/(NA+K+CA+MG) | 85.442 | 79.813 | 58.778 | 75.684 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.558 | 20.187 | 41.222 | 24.316 |

第17-2表 白根北部地域水質一覧表(つぎ)

| | SNC 77 | SNC 78 | SNC 79 | SNC 80 |
|----------------------------------|--------|--------|--------|----------|
| INO | - | - | - | 29.1 |
| TEMP | - | - | - | 1272.000 |
| TSM | 7.525 | - | 1.100 | 7.80 |
| PH(CFD) | - | - | - | 7.66 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.04 | 0.001 | 0.045 | 0.001 |
| INA | 0.251 | 0.011 | 0.252 | 0.011 |
| INH4 | - | - | - | 29.430 |
| CA | 0.207 | 0.010 | 0.207 | 0.010 |
| MG | 0.004 | 0.000 | 0.004 | 0.000 |
| FE | - | - | - | 73.650 |
| MN | - | - | - | 6.719 |
| ZN | - | - | - | 0.100 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.007 | 0.001 | 0.007 | 0.001 |
| CL | 0.457 | 0.013 | 0.457 | 0.013 |
| BR | - | - | - | 511.000 |
| IT | - | - | - | - |
| F | - | - | - | 0.963 |
| OH | - | - | - | - |
| S04 | 0.457 | 0.010 | 0.440 | 0.009 |
| S203 | - | - | - | 144.700 |
| HCO3 | 0.086 | 0.001 | 0.086 | 0.001 |
| CO3 | - | - | - | 77.020 |
| SI02 (MG/KG)(MMOL/KG) | 0.102 | 0.002 | 0.102 | 0.002 |
| HF02 | - | - | - | 425.053 |
| H3PO4 | - | - | - | 58.071 |
| HAS02 | - | - | - | 1.288 |
| CO2 | 0.016 | 0.000 | 0.016 | - |
| H2S | 0.007 | 0.000 | 0.007 | 0.000 |
| BRN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 9.485 | 9.485 | 5.523 | 19.635 |
| CA/(HCO3+CO3) | 7.328 | 7.328 | 7.328 | 2.911 |
| MG/CA | 0.032 | 0.032 | 0.032 | 0.150 |
| INA/CA | 1.057 | 1.057 | 1.061 | 4.022 |
| CL/(HCO3+CO3) | 9.146 | 9.146 | 9.146 | 11.419 |
| CL/F | - | - | - | 284.369 |
| CL*100/(CL+S04+HCO3+CO3) | 54.131 | 54.948 | 54.948 | 77.127 |
| S04*100/(CL+S04+HCO3+CO3) | 39.951 | 39.045 | 39.045 | 16.119 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.918 | 6.008 | 6.008 | 6.754 |
| (NA+K)*100/(NA+K+CA+MG) | 53.104 | 53.104 | 53.194 | 78.605 |
| CA*100/(NA+K+CA+MG) | 45.447 | 45.447 | 45.361 | 18.597 |
| MG*100/(NA+K+CA+MG) | 1.448 | 1.448 | 1.445 | 2.798 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 94.082 | 93.992 | 93.992 | 93.246 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.918 | 6.008 | 6.008 | 6.754 |
| (NA+K)*100/(NA+K+CA+MG) | 53.104 | 53.104 | 53.194 | 78.605 |
| (CA+MG)*100/(NA+K+CA+MG) | 46.896 | 46.896 | 46.806 | 21.395 |

第17-2表 白根北部地域水質一覽表 (つづき)

| | SNC 81 | SNC 82 | SNC 83 | SNC 84 |
|----------------------------------|----------|----------|----------|----------|
| NO | 47.0 | 33.0 | 45.5 | 87.8 |
| TEMP | 1365.000 | 1365.000 | 1379.000 | 1548.000 |
| TSM | 8.00 | 8.00 | 7.30 | 7.02 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(PVAL/KG) | - | - | - | - |
| K | 8.433 | 0.216 | 4.686 | 43.950 |
| NA | 397.500 | 17.291 | 333.000 | 394.500 |
| NH4 | - | - | - | - |
| CA | 54.970 | 2.743 | 104.800 | 76.760 |
| MG | 6.750 | 0.555 | 6.607 | 3.830 |
| FE | 0.099 | 0.004 | 0.050 | 2.227 |
| MN | - | - | - | 0.003 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.099 | 0.011 | 0.040 | - |
| CL | 474.400 | 13.383 | 449.800 | 567.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 5.817 | 0.342 | - | 2.165 |
| S04 | 220.300 | 4.587 | 333.700 | 235.700 |
| S203 | - | - | - | - |
| HC03 | 55.590 | 0.911 | 48.810 | 61.620 |
| CO3 | 23.190 | 0.773 | - | 1.010 |
| SI02 (MG/KG)(MMOL/KG) | 109.471 | 1.823 | - | 131.663 |
| HB02 | 28.311 | 0.646 | - | 77.532 |
| H3PO4 | 5.698 | 0.058 | 0.570 | 0.451 |
| HAS02 | - | - | - | 1.251 |
| CO2 | - | - | - | 10.920 |
| H2S | 4.260 | 0.125 | - | 0.699 |
| HN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 80.157 | 80.157 | 120.846 | 15.264 |
| CA/(HC03+CO3) | 1.629 | 1.629 | 6.537 | 3.793 |
| MG/GA | 0.203 | 0.203 | 0.104 | 0.068 |
| NA/GA | 6.304 | 6.304 | 2.770 | 4.480 |
| CL/(HC03+CO3) | 7.947 | 7.947 | 15.861 | 15.840 |
| CL/F | - | - | - | 140.375 |
| CL*100/(CL+S04+HC03+CO3) | 68.094 | 68.094 | 62.089 | 72.999 |
| S04*100/(CL+S04+HC03+CO3) | 23.338 | 23.338 | 33.996 | 22.392 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.569 | 8.569 | 3.915 | 4.608 |
| (NA+K)*100/(NA+K+CA+MG) | 84.146 | 84.146 | 71.670 | 82.001 |
| CA*100/(NA+K+CA+MG) | 13.184 | 13.184 | 25.662 | 17.177 |
| MG*100/(NA+K+CA+MG) | 2.670 | 2.670 | 2.668 | 0.822 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 91.431 | 91.431 | 96.085 | 95.392 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.569 | 8.569 | 3.915 | 4.608 |
| (NA+K)*100/(NA+K+CA+MG) | 84.146 | 84.146 | 71.670 | 82.001 |
| (CA+MG)*100/(NA+K+CA+MG) | 15.854 | 15.854 | 28.330 | 17.999 |

第17-2表 白根北部地域水質一覧表(つづき)

| NO | SNC 85 | | SNC 86 | | SNC 87 | | SNC 88 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | TEMP | 58.5 | 95.5 | 74.0 | 74.0 | 50.0 | 50.0 | 50.0 |
| TSM | 1401.000 | 1553.000 | 1553.000 | 1460.000 | 1460.000 | 1410.000 | 1410.000 | 1410.000 |
| PH(FD) | 7.30 | 8.00 | 8.00 | 8.20 | 8.20 | 7.30 | 7.30 | 7.30 |
| PH(LB) | - | 8.00 | 8.00 | 8.20 | 8.20 | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | 20.100 | 0.514 | 49.300 | 1.261 | 5.504 | 0.141 |
| K | 5.474 | 16.269 | 430.100 | 18.709 | 241.900 | 10.523 | 387.300 | 16.848 |
| NA | 374.000 | - | - | - | - | - | - | - |
| NH4 | - | - | - | - | - | - | - | - |
| CA | 91.180 | 4.550 | 84.330 | 4.208 | 105.400 | 5.259 | 69.570 | 3.472 |
| MG | 11.670 | 0.960 | 1.366 | 0.112 | 34.580 | 2.846 | 12.720 | 1.047 |
| FF | 0.100 | 0.004 | 0.016 | 0.001 | 0.300 | 0.011 | 0.100 | 0.004 |
| MN | - | - | 0.007 | 0.000 | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 0.050 | 0.006 | - | - | - | - | 0.050 | 0.006 |
| CL | 560.200 | 15.803 | 698.500 | 19.705 | 375.200 | 10.584 | 580.600 | 16.379 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - |
| OH | - | - | 0.017 | 0.001 | 0.027 | 0.002 | - | - |
| SO4 | 249.800 | 5.201 | 172.100 | 5.383 | 180.800 | 3.764 | 195.600 | 4.072 |
| S2O3 | - | - | - | - | - | - | - | - |
| HC03 | 54.930 | 0.900 | 5.968 | 0.098 | 182.500 | 2.991 | 73.200 | 1.200 |
| CO3 | - | - | 1.797 | 0.060 | 0.831 | 0.028 | - | - |
| STO2 (MG/KG)(MMOL/KG) | 65.606 | 1.092 | 47.501 | 0.798 | 184.463 | 3.071 | 39.942 | 0.665 |
| HB02 | 28.380 | 0.648 | 0.473 | 0.011 | 45.556 | 1.040 | 11.330 | 0.259 |
| H3PO4 | 6.848 | 0.070 | - | - | - | - | 3.417 | 0.035 |
| HAS02 | - | - | - | - | - | - | - | - |
| CO2 | 8.802 | 0.200 | 0.145 | 0.003 | 2.715 | 0.062 | 8.802 | 0.200 |
| H2S | - | - | - | - | - | - | - | - |
| RN (*E-10 .CURIE/L) | - | - | 1.660 | - | 1.547 | - | - | - |
| INA/K | 116.186 | 5.054 | 36.388 | 18.344 | 119.662 | 2.894 | 119.662 | 2.894 |
| CA/(HC03+CO3) | 5.054 | 0.211 | 26.682 | 1.742 | 1.541 | 0.302 | 0.302 | 0.302 |
| MG/CA | 0.211 | 0.027 | 0.027 | 0.001 | 0.541 | 0.001 | 0.541 | 0.001 |
| INA/GA | 3.576 | 4.446 | 4.446 | 3.506 | 3.506 | - | 13.652 | 13.652 |
| CL/(HC03+CO3) | 17.553 | - | 124.943 | - | - | - | - | - |
| CL/F | - | - | - | - | - | - | - | - |
| CL*100/(CL+SO4+HC03+CO3) | 72.146 | 23.743 | 84.045 | 60.944 | 60.944 | 75.649 | 75.649 | 75.649 |
| SO4*100/(CL+SO4+HC03+CO3) | 23.743 | 4.110 | 15.283 | 21.674 | 21.674 | 18.809 | 18.809 | 18.809 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 4.110 | 74.861 | 0.673 | 17.382 | 17.382 | 5.541 | 5.541 | 5.541 |
| (NA+K)*100/(NA+K+CA+MG) | 74.861 | 20.757 | 81.649 | 59.248 | 59.248 | 78.991 | 78.991 | 78.991 |
| CA*100/(NA+K+CA+MG) | 20.757 | 4.391 | 17.873 | 26.444 | 26.444 | 16.142 | 16.142 | 16.142 |
| MG*100/(NA+K+CA+MG) | 4.391 | 95.890 | 0.477 | 14.307 | 14.307 | 4.867 | 4.867 | 4.867 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 4.110 | 4.110 | 99.327 | 82.618 | 82.618 | 94.459 | 94.459 | 94.459 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 4.110 | 4.110 | 0.673 | 17.382 | 17.382 | 5.541 | 5.541 | 5.541 |
| (NA+K)*100/(NA+K+CA+MG) | 74.861 | 25.159 | 81.649 | 59.248 | 59.248 | 78.991 | 78.991 | 78.991 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.159 | 18.351 | 18.351 | 40.752 | 40.752 | 21.009 | 21.009 | 21.009 |

第17-2表 白根北部地域水質一覽表(つづき)

| | SNC 89 | SNC 90 | SNC 91 | SNC 92 |
|----------------------------------|----------|----------|---------|----------|
| INO | | | | |
| TEMP | 54.8 | 57.0 | 52.9 | 52.9 |
| TSM | 1417.000 | 1396.000 | 695.000 | 888.000 |
| PH(FD) | 7.30 | 7.80 | 7.80 | 7.90 |
| PH(LB) | - | - | - | 7.78 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 8.900 | 49.440 | 1.265 | 0.156 |
| NA | 336.400 | 360.900 | 15.699 | 223.800 |
| INH4 | - | - | 6.095 | 9.735 |
| CA | 115.900 | 62.800 | 3.134 | 39.360 |
| MG | 2.037 | 2.692 | 2.040 | 1.486 |
| FE | 0.150 | 0.299 | 0.011 | 0.060 |
| MN | - | - | - | 0.002 |
| CN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.499 | 1.325 | 0.147 | 0.006 |
| CL | 460.100 | 558.600 | 15.758 | 324.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | 1.998 |
| IOH | - | 1.754 | 0.103 | 0.105 |
| SO4 | 338.100 | 139.200 | 2.898 | 97.920 |
| S2O3 | - | - | - | - |
| HC03 | 48.810 | 82.069 | 1.345 | 60.300 |
| CO3 | - | 8.311 | 0.277 | 0.988 |
| STO2 (MG/KG)(MMOL/KG) | 50.751 | 128.935 | 2.147 | 1015.499 |
| HB02 | 28.330 | - | - | 51.669 |
| H3FO4 | 3.417 | 4.581 | 0.047 | 1.612 |
| HAS02 | - | - | - | 0.723 |
| CO2 | 8.802 | 0.200 | - | 0.007 |
| H2S | - | - | - | 1.821 |
| IRN (FE-10 CUETE/L) | - | 1.136 | - | - |
| INA/K | 64.277 | 12.414 | 54.685 | 12.910 |
| CA/(HC03+CO3) | 7.229 | 1.932 | 0.454 | 1.987 |
| MG/CA | 0.029 | 0.071 | 0.356 | 0.062 |
| NA/CA | 2.530 | 5.010 | 18.063 | 4.957 |
| CL/(HC03+CO3) | 16.224 | 9.715 | 5.769 | 9.257 |
| CL/F | - | - | - | 86.984 |
| CL*100/(CL+SO4+HC03+CO3) | 62.345 | 77.709 | 71.044 | 75.139 |
| SO4*100/(CL+SO4+HC03+CO3) | 33.812 | 14.292 | 16.640 | 16.744 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 3.843 | 7.999 | 12.315 | 8.117 |
| (NA+K)*100/(NA+K+CA+MG) | 71.406 | 83.487 | 93.136 | 83.410 |
| CA*100/(NA+K+CA+MG) | 27.789 | 15.423 | 5.063 | 15.618 |
| MG*100/(NA+K+CA+MG) | 0.805 | 1.090 | 1.801 | 0.972 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 96.157 | 92.001 | 87.685 | 91.883 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 3.843 | 7.999 | 12.315 | 8.117 |
| (NA+K)*100/(NA+K+CA+MG) | 71.406 | 83.487 | 93.136 | 83.410 |
| (CA+MG)*100/(NA+K+CA+MG) | 28.594 | 16.513 | 6.864 | 16.590 |

第17-2表 白根北部地域水質一覧表(つづき)

| NO | SNC '93 | SNC '94 | SNC '95 | SNC '96 |
|----------------------------------|----------|-----------|-----------|---------|
| TEMP | 83.0 | 83.9 | 94.5 | 56.0 |
| TSM | 888.000 | 1,445.000 | 1,980.000 | 733.000 |
| PH(FD) | 7.78 | 8.00 | 7.10 | 8.00 |
| PH(CLB) | - | - | 7.10 | - |
| H (MG/KG) (WVAL/KG) | | | | |
| K | 29.480 | 0.754 | 1.459 | 3.789 |
| INA | 223.800 | 9.735 | 398.400 | 205.100 |
| INH4 | - | - | 59.200 | 1.514 |
| CA | 39.360 | 1.964 | 513.000 | 22.316 |
| MC | 1.486 | 0.122 | 7.035 | 0.390 |
| FE | 0.060 | 0.002 | 38.370 | 13.340 |
| MN | - | - | 2.572 | 0.889 |
| ZN | - | - | 0.605 | 0.100 |
| CU | - | - | 0.021 | 0.036 |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 324.300 | 9.149 | 543.800 | 808.700 |
| BR | - | - | 15.341 | 22.813 |
| I | 1.998 | 0.105 | - | - |
| OH | 97.920 | 2.039 | 0.374 | 0.022 |
| S2O3 | 60.300 | 0.988 | 131.200 | 2.732 |
| HCO3 | - | - | 84.080 | 1.378 |
| CO3 | - | - | 1.290 | 0.043 |
| SI02 (MG/KG) (MMOL/KG) | 1015.499 | 16.508 | 172.246 | 2.868 |
| HBO2 | 51.669 | 1.179 | - | - |
| H3PO4 | 1.612 | 0.016 | - | - |
| HASO2 | 0.723 | 0.007 | - | - |
| CO2 | 1.821 | 0.041 | - | - |
| H2S | - | - | 18.810 | 0.427 |
| IRN (*E-10) (CURIE/L) | - | - | - | - |
| INA/K | 12.910 | 451.967 | 14.736 | 192.051 |
| CA/(HCO3+CO3) | 1.987 | 1.347 | 1.833 | 0.679 |
| MG/CA | 0.062 | 0.111 | 0.222 | 0.110 |
| INA/CA | 4.957 | 9.051 | 6.426 | 13.403 |
| CL/(HCO3+CO3) | 9.257 | 10.795 | 12.041 | 7.195 |
| CL/F | 86.984 | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 75.139 | 78.697 | 81.599 | 72.318 |
| S04*100/(CL+S04+HCO3+CO3) | 16.744 | 14.013 | 11.625 | 17.631 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.117 | 7.290 | 6.777 | 10.051 |
| (NA+K)*100/(INA+K+CA+MG) | 83.410 | 89.093 | 84.886 | 92.428 |
| CA*100/(INA+K+CA+MG) | 15.618 | 15.821 | 12.370 | 6.822 |
| MG*100/(INA+K+CA+MG) | 0.972 | 1.086 | 2.744 | 0.750 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.883 | 92.710 | 93.223 | 89.949 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.117 | 7.290 | 6.777 | 10.051 |
| (NA+K)*100/(INA+K+CA+MG) | 83.410 | 89.093 | 84.886 | 92.428 |
| (CA+MG)*100/(INA+K+CA+MG) | 16.590 | 10.907 | 15.114 | 7.572 |

第17-2表 白根北部地域水質一覧表(つづき)

| | SNC 57 | SNC 58 | SNC 59 | SNC100 |
|----------------------------------|----------|----------|----------|---------|
| INO | 66.5 | 94.5 | 67.5 | - |
| TEMP | 1602.000 | 1924.000 | 1934.000 | 974.000 |
| TSM | 7.90 | 8.00 | 8.10 | 8.00 |
| PH(FD) | 7.90 | - | 7.90 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 65.070 | 5.209 | 41.730 | 5.493 |
| INA | 373.200 | 574.900 | 588.800 | 283.900 |
| NH4 | - | - | 1.067 | 0.141 |
| CA | 87.820 | 48.090 | 69.950 | 18.900 |
| MG | 8.828 | 14.810 | 1.457 | 1.457 |
| FE | 0.075 | 0.099 | - | 0.120 |
| MN | - | - | - | 0.004 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 0.050 | - | 0.005 |
| CL | 665.300 | 821.200 | 834.000 | 347.000 |
| BR | - | - | - | 9.789 |
| LI | - | - | - | - |
| F | - | - | - | - |
| OH | - | 1.259 | - | 0.935 |
| S04 | 161.800 | 175.800 | 149.100 | 101.100 |
| S203 | - | - | - | 0.055 |
| H003 | 50.940 | 62.600 | 118.600 | 1.425 |
| C03 | - | 5.491 | 12.150 | 0.150 |
| SI02 (MG/KG) (MMOL/KG) | 138.146 | 2.300 | 117.264 | 1.683 |
| HB02 | - | 28.311 | 4.188 | 0.026 |
| H3P04 | - | 7.864 | - | 1.139 |
| HAS02 | - | - | - | 1.139 |
| C002 | 20.320 | 0.462 | - | 0.012 |
| H25 | 7.265 | 0.213 | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 9.753 | 184.149 | 23.994 | 87.891 |
| CA/(HCO3+CO3) | 5.249 | 1.985 | 11.486 | 0.599 |
| MG/CA | 0.166 | 0.508 | 0.034 | 0.127 |
| NA/GA | 3.705 | 10.421 | 7.338 | 13.095 |
| CL/(HCO3+CO3) | 22.479 | 19.161 | 10.017 | 6.215 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 81.701 | 82.632 | 81.183 | 72.678 |
| S04*100/(CL+S04+HCO3+CO3) | 14.664 | 13.056 | 10.712 | 15.628 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.635 | 4.313 | 8.105 | 11.695 |
| (NA+K)*100/(NA+K+CA+MG) | 77.795 | 87.420 | 88.081 | 92.157 |
| CA*100/(NA+K+CA+MG) | 19.047 | 8.343 | 11.523 | 6.959 |
| MG*100/(NA+K+CA+MG) | 3.157 | 4.237 | 0.596 | 0.885 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 96.365 | 95.687 | 91.895 | 88.305 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.635 | 4.313 | 8.105 | 11.695 |
| (NA+K)*100/(NA+K+CA+MG) | 77.795 | 87.420 | 88.081 | 92.157 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.205 | 12.580 | 11.919 | 7.843 |

第17-2表 白根北部地域水質一覧表(つづき)

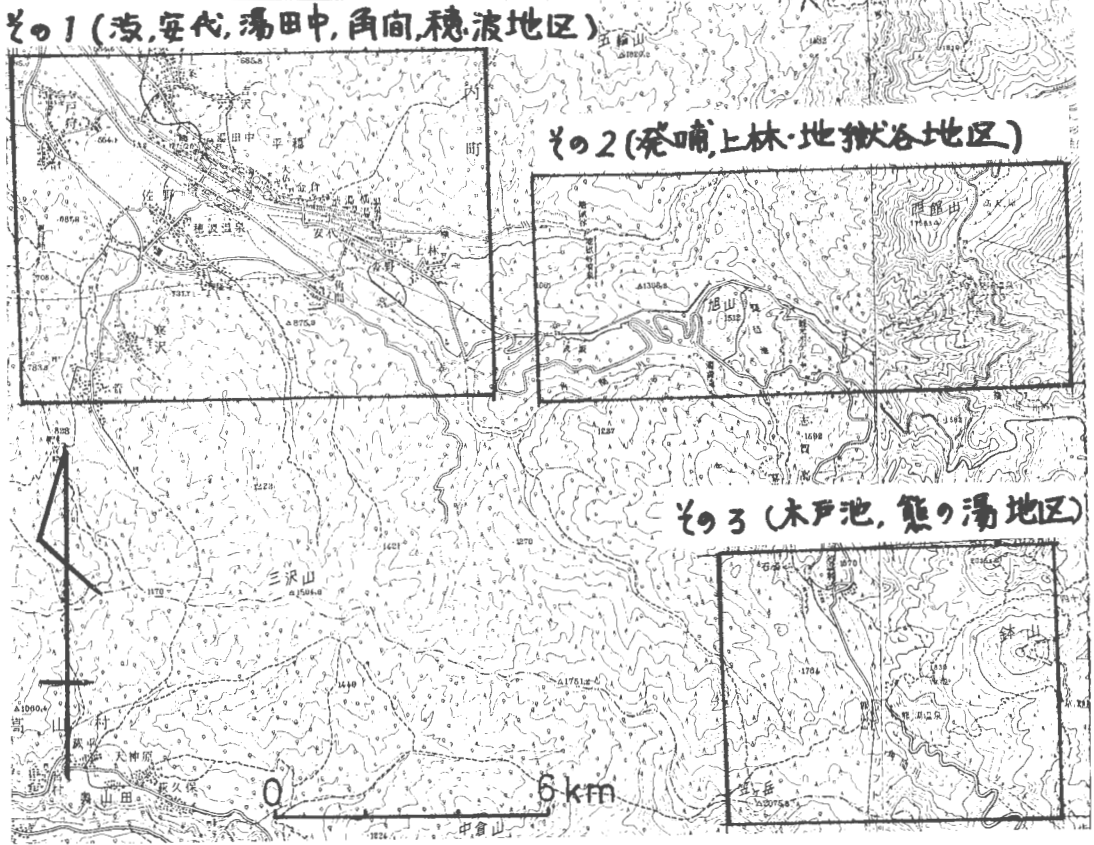
| | SNC101 | | SNC102 | | SNC103 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|
| NO | 56.5 | 85.5 | 85.5 | 76.5 | 76.5 | 76.5 |
| TEMP | 1545.000 | 2003.000 | 2003.000 | 1690.000 | 1690.000 | 1690.000 |
| PH(FD) | 8.00 | 6.80 | 6.80 | 7.90 | 7.90 | 7.90 |
| PH(CLB) | - | 6.96 | 6.96 | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - | - | - |
| K | 1.199 | 0.031 | 0.63.890 | 1.634 | 41.170 | 1.053 |
| INA | 454.600 | 19.775 | 511.600 | 22.255 | 441.100 | 19.188 |
| INH4 | - | - | - | - | - | - |
| CA | 97.060 | 4.843 | 81.610 | 4.072 | 79.840 | 3.984 |
| MG | 1.935 | 0.159 | 1.237 | 0.102 | 8.828 | 0.726 |
| FE | 3.498 | 0.125 | 2.076 | 0.074 | 0.609 | 0.022 |
| MN | - | - | 0.040 | 0.001 | - | - |
| ZN | - | - | - | - | - | - |
| CU | - | - | - | - | - | - |
| PB | - | - | - | - | - | - |
| AL | - | - | - | - | - | - |
| CL | 700.200 | 19.753 | 763.400 | 21.536 | 735.700 | 20.754 |
| BR | - | - | - | - | - | - |
| TI | - | - | - | - | - | - |
| F | - | - | 1.529 | 0.080 | - | - |
| OH | 0.763 | 0.045 | - | - | 0.136 | 0.008 |
| S04 | 152.600 | 3.177 | 215.200 | 4.480 | 180.000 | 3.748 |
| S203 | - | - | - | - | - | - |
| HC03 | 101.600 | 1.665 | 91.290 | 1.496 | 50.940 | 0.855 |
| C03 | 8.701 | 0.290 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 15.386 | 0.256 | 146.809 | 2.444 | 96.159 | 1.601 |
| HR02 | - | - | 121.338 | 2.769 | - | - |
| H3PO4 | - | - | - | - | - | - |
| HAS02 | - | - | 2.196 | 0.020 | - | - |
| C02 | - | - | 13.650 | 0.310 | 20.320 | 0.462 |
| H2S | - | - | 1.548 | 0.045 | 1.207 | 0.035 |
| RN (*F=10 :CUFIE/L) | - | - | - | - | - | - |
| NA/K | 644.761 | 13.617 | 13.617 | 18.220 | 18.220 | 18.220 |
| CA/(HC03+CC03) | 2.477 | 2.722 | 2.722 | 4.772 | 4.772 | 4.772 |
| MG/CA | 0.033 | 0.025 | 0.025 | 0.182 | 0.182 | 0.182 |
| INA/CA | 4.083 | 5.465 | 5.465 | 4.816 | 4.816 | 4.816 |
| CL/(HC03+CC03) | 10.102 | 14.393 | 14.393 | 24.858 | 24.858 | 24.858 |
| CL/F | - | 267.567 | 267.567 | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 79.376 | 78.276 | 78.276 | 81.913 | 81.913 | 81.913 |
| S04*100/(CL+S04+HC03+C03) | 12.767 | 16.285 | 16.285 | 14.791 | 14.791 | 14.791 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.857 | 5.438 | 5.438 | 3.295 | 3.295 | 3.295 |
| (NA+K)*100/(NA+K+CA+MG) | 79.835 | 85.126 | 85.126 | 81.121 | 81.121 | 81.121 |
| CA*100/(NA+K+CA+MG) | 19.523 | 14.511 | 14.511 | 15.867 | 15.867 | 15.867 |
| MG*100/(NA+K+CA+MG) | 0.642 | 0.363 | 0.363 | 2.911 | 2.911 | 2.911 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.143 | 94.562 | 94.562 | 96.705 | 96.705 | 96.705 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.857 | 5.438 | 5.438 | 3.295 | 3.295 | 3.295 |
| (NA+K)*100/(NA+K+CA+MG) | 79.835 | 85.126 | 85.126 | 81.121 | 81.121 | 81.121 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.165 | 14.874 | 14.874 | 18.879 | 18.879 | 18.879 |

第17-3表 白根北部地域特定成分含量の頻度分布表

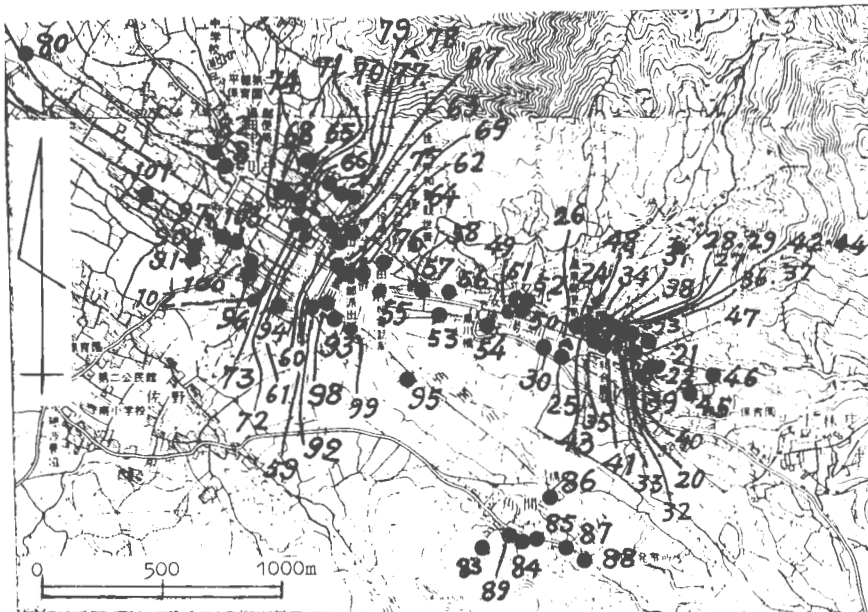
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|----------|-----|-------|----------------------|-----|-------|
| ND | 103 | 100.0 | ND | 103 | 100.0 |
| <0.500 | 0 | 0. | <0.300 | 0 | 0. |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 103 | 100.0 | TOTAL | 103 | 100.0 |
| PB | N | F(%) | AS | N | F(%) |
| ND | 103 | 100.0 | ND | 95 | 92.2 |
| <0.100 | 0 | 0. | <0.050 | 1 | 1.0 |
| <1.000 | 0 | 0. | <0.500 | 0 | 0. |
| >1.000 | 0 | 0. | <5.000 | 7 | 6.8 |
| TOTAL | 103 | 100.0 | >5.000 | 0 | 0. |
| H2S | N | F(%) | TOTAL | 103 | 100.0 |
| ND | 81 | 78.6 | | | |
| < 1.000 | 5 | 4.9 | N= NUMBER OF SAMPLES | | |
| < 10.000 | 13 | 12.6 | F= FREQUENCY(%) | | |
| <100.000 | 4 | 3.9 | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 103 | 100.0 | | | |

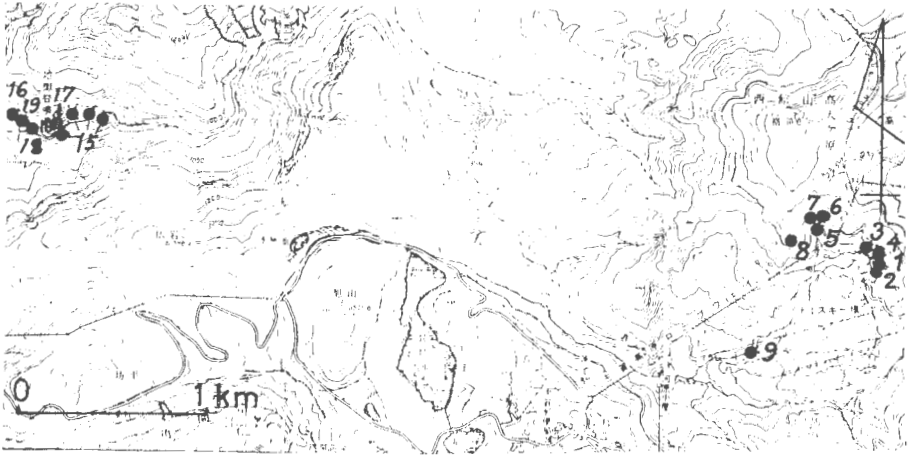
第17-1図 白根北部地域における温泉の分布



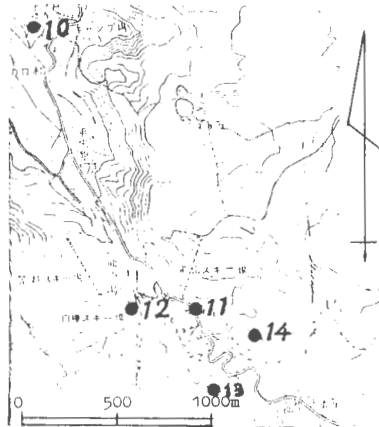
第17-2図 試料採取地 (その1)



第17-3図 試料採取地（その2）

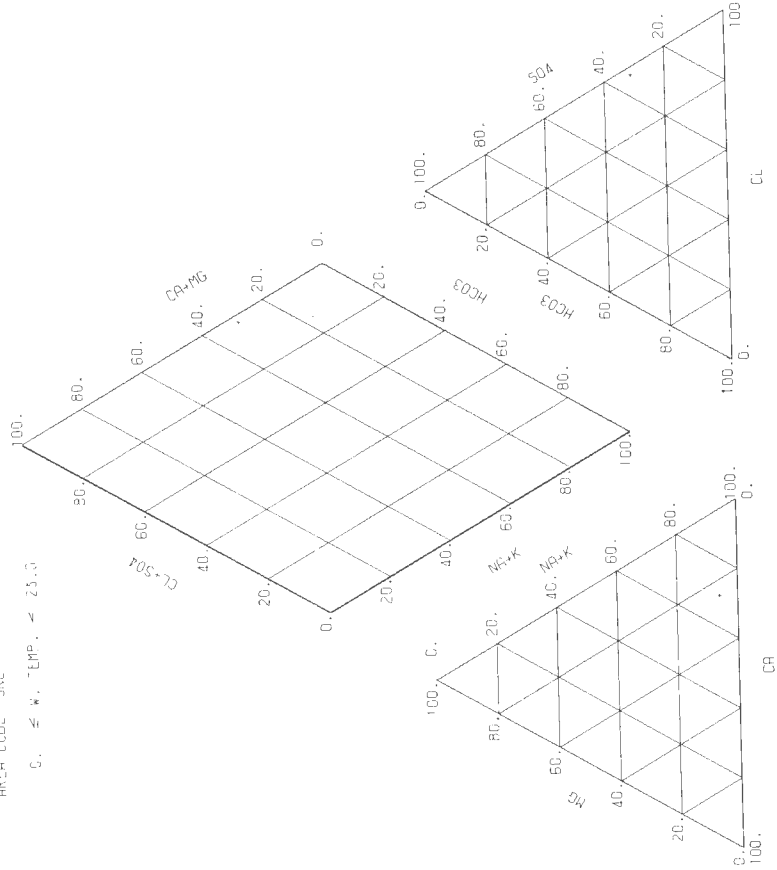


第17-4図 試料採取地（その3）



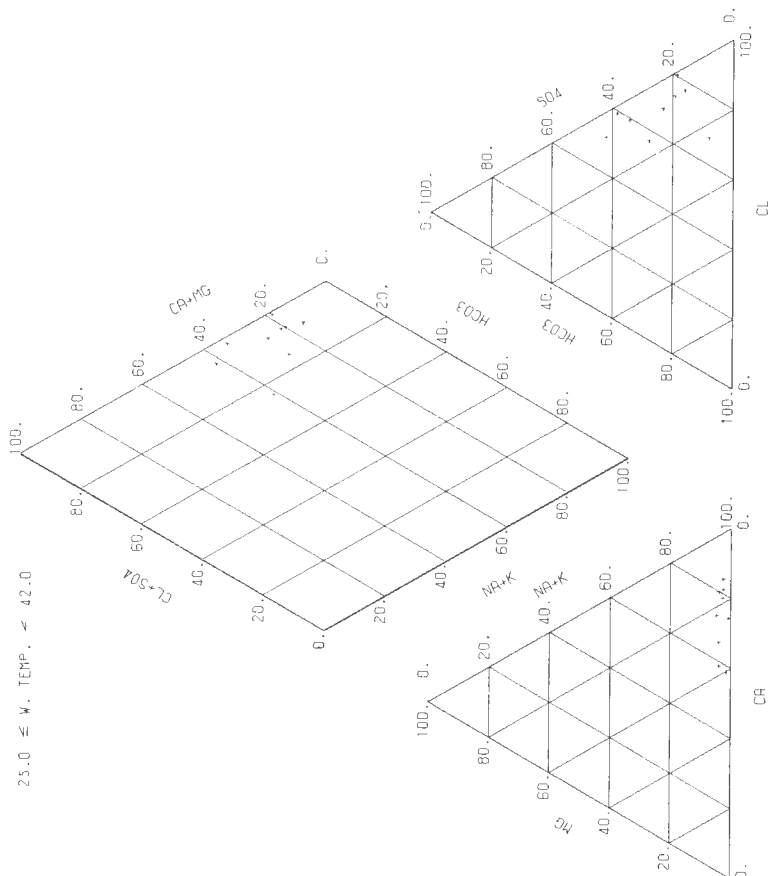
第17-5 図 白根北部地蔵水質組成図 (その1) (水温25℃未満)

NORTH SHIRANE
AREA CODE SNC
C. ≦ W. TEMP. ≦ 25.0

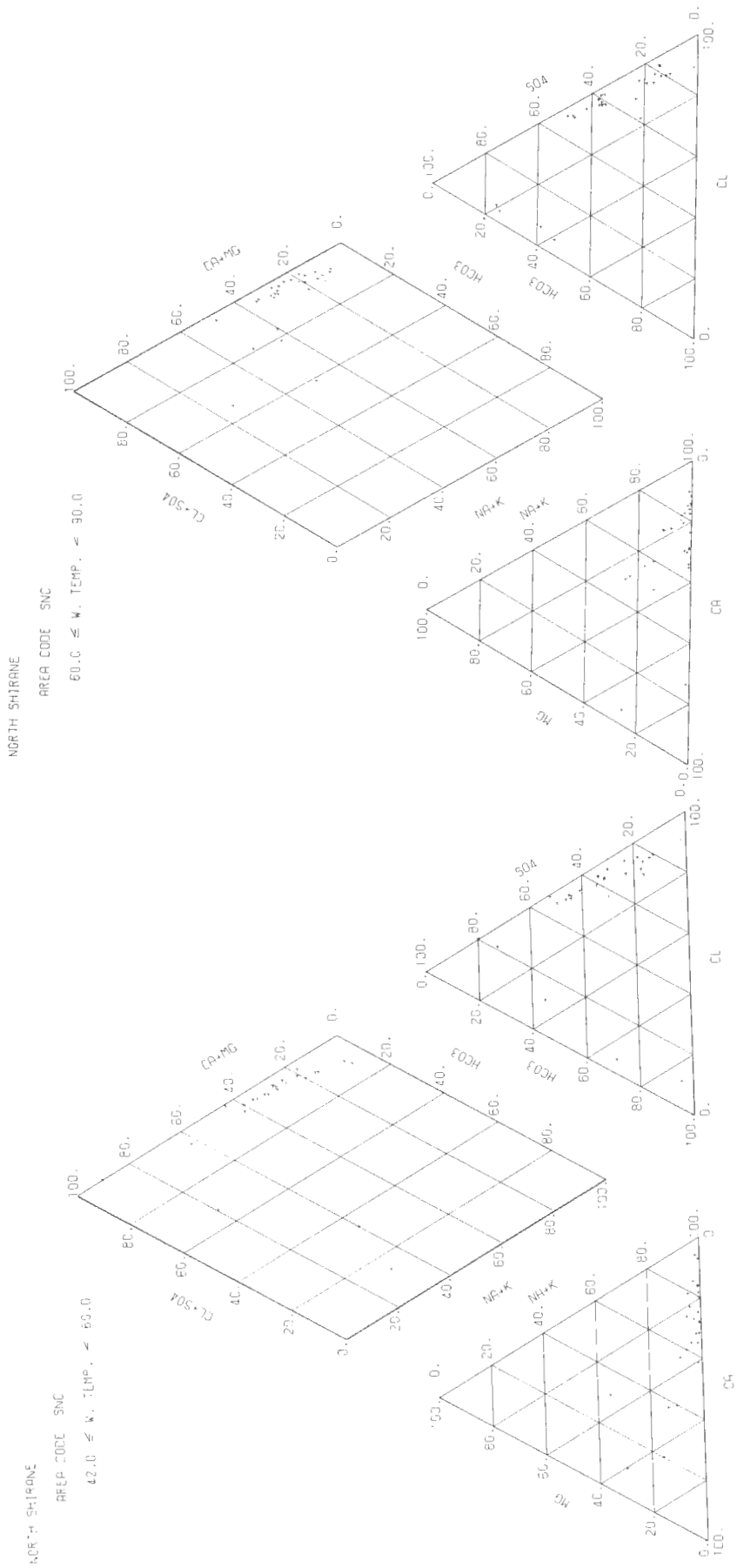


7-5 図 白根北部地蔵水質組成図 (その2) (水温25℃以上42℃未満)

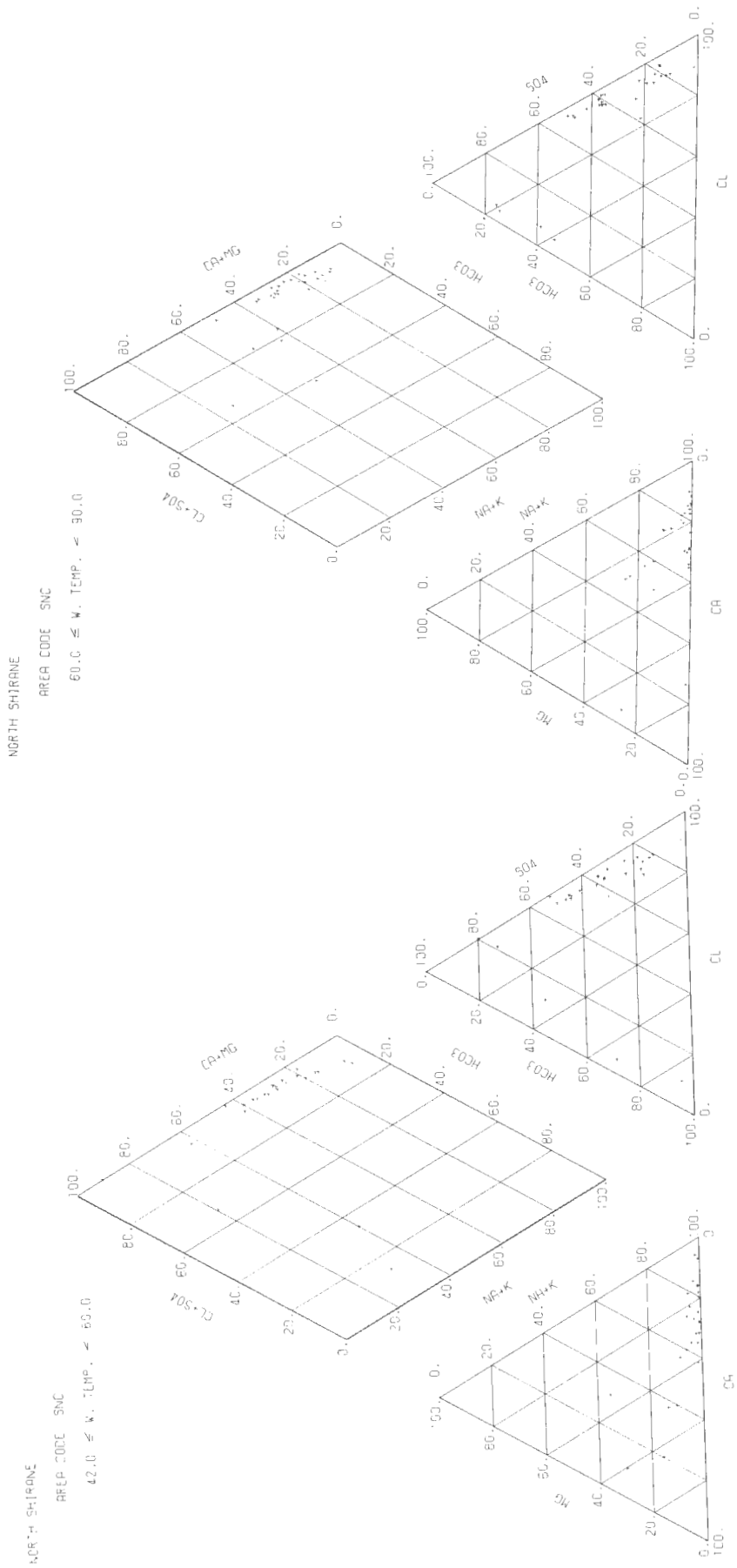
NORTH SHIRANE
AREA CODE SNC
25.0 ≦ W. TEMP. ≦ 42.0



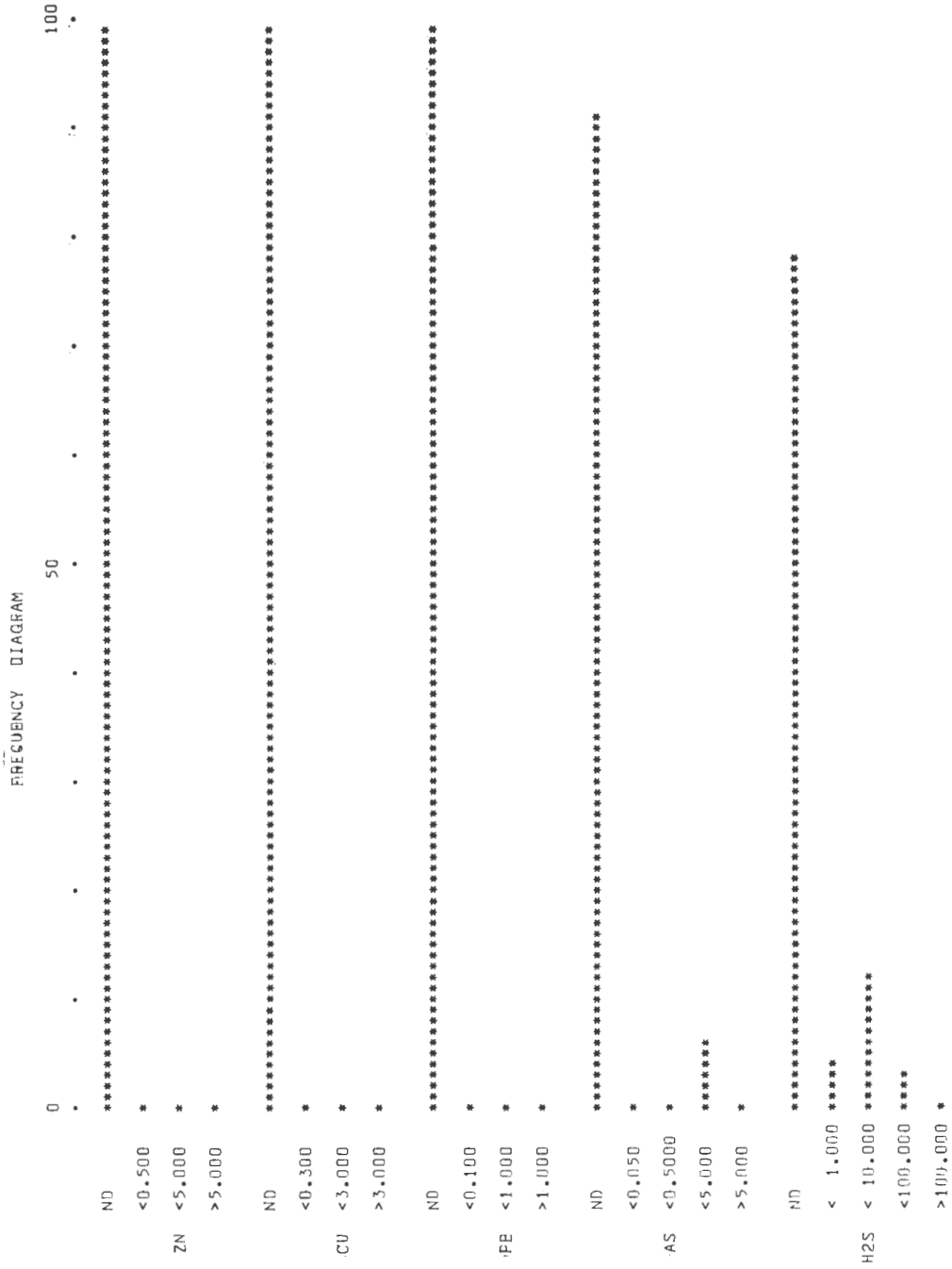
第17-5図 白根北部地蔵水質組成図(その3) (水温42℃以上60℃未満)



第17-5図 白根北部地蔵水質組成図(その4) (水温60℃以上90℃未満)



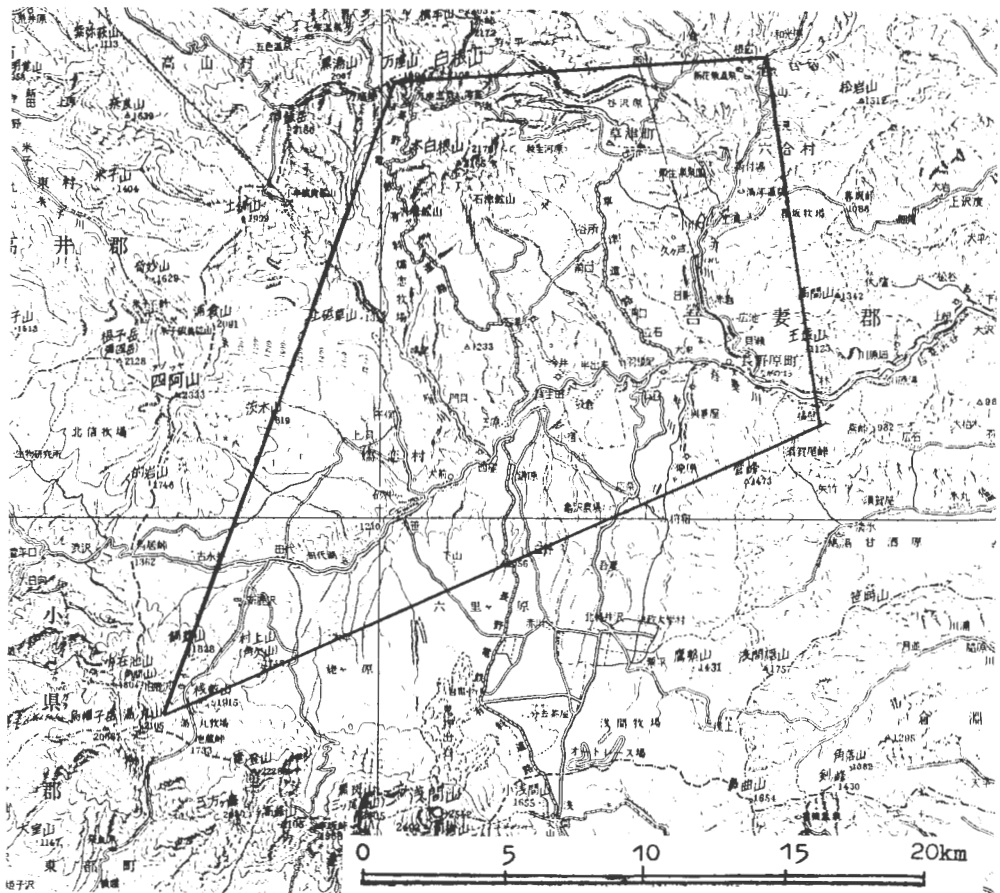
第17-6図 白根北部地域特定成分含量の頻度分布図



18. 白根南部 Southern part of Shirane

| | |
|-------|----------------------------------|
| 位置 | 群馬県吾妻郡草津町，同郡長野原町，同郡六合村， 同郡嬭窓村 |
| データ数 | 46 |
| 収集・整理 | 阿部喜久男 |
| 協力 | 群馬県衛生研究所 |

調査位置図（20万分の1地勢図 長野）



第18-1表 白根南部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-------------|-----|-------|------------|-------|-----------|--------------|
| SSC-1 | 群馬県吾妻郡草津町草津 | 草津 | 極楽館 | 1959. 9.17 | 11 | | |
| "-2 | " | " | 源泉閣 | " 9.16 | " | | |
| "-3 | " | " | 草津館 | " 9.16 | " | | |
| "-4 | " | " | 泉水館 | " 9.17 | " | | |
| "-5 | " | " | 湯畑の湯 | 1960.10.18 | " | | |
| "-6 | " | " | 西の河原 | " 10.18 | " | | |
| "-7 | " | " | 白旗の湯 | " 10.18 | " | | |
| "-8 | " | " | 地藏の湯 | " 10.18 | " | | |
| "-9 | " | " | 1号井 | 1964.11.15 | " | | X |
| "-10 | " | " | | 1968.10.15 | " | | X |
| "-11 | " | " | | " 10.15 | " | | X |
| "-12 | " | " | | 1972. 7.14 | " | | X |
| "-13 | " | " | 西の河原 | 1942.11.22 | " | | SSC-8 と同一源泉 |
| "-14 | " | " | 地藏の湯 | " 11.22 | " | | SSC-7 と同一源泉 |
| "-15 | " | " | 白旗の湯 | " 2.21 | " | | |
| "-16 | " | " | 湯本の湯 | 1958. 5. 8 | " | | |
| "-17 | " | " | | 1971.11.19 | " | | SSC-5 と同一源泉 |
| "-18 | " | " | 湯畑の湯 | 1942.11.21 | " | 甲 207号 | |
| "-19 | " | 万座 | 湯畑の湯 | 1953.10.29 | " | | |
| "-20 | " | " | 苦湯 | 1955. 9.29 | " | | Q = 33 l/m |
| "-21 | " | " | 姥湯 | 1956. 9.29 | " | | X |
| "-22 | " | " | 銅粉の湯 | 1960.10.13 | " | | |
| "-23 | " | " | 大苦湯2号 | 1957. 9. 8 | " | | Q = 39.6 l/m |
| "-24 | " | " | 大苦湯1号 | " 9. 8 | " | | Q = 16 l/m |
| "-25 | " | " | 熊世の湯 | " 9. 8 | " | | Q = 6.7 l/m |
| "-26 | " | " | 水晶の湯 | " 9.10 | " | | Q = 182 l/m |
| "-27 | " | " | 鷹粹の湯 | " 9.11 | " | | Q = 27 l/m |
| "-28 | " | " | 錫の湯 | " | " | | |
| "-29 | " | " | 法性の湯 | 1958. 8.30 | " | | |
| "-30 | " | " | 蘇鉄の湯 | 1957. 9.10 | " | | |
| "-31 | " | " | 紅の湯 | " 9.10 | " | 検 258号 | |
| "-32 | " | " | 鉄湯2号 | 1972. 6.29 | " | 甲 561号 | |
| "-33 | " | " | 姥湯 | " | " | | SSC-20 と同一源泉 |
| "-34 | " | 湯の平 | | " | " | | |
| "-35 | " | " | | " | " | | |
| "-36 | " | " | 1号泉 | 1961.12.12 | " | | |
| "-37 | " | 花敷 | | " | " | | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|-------------------|-----|-----|-------|--------------|-------|---------------|----------------|
| SSC-38 | 群馬県吾妻郡六合村入山長笹川696 | 花 | 敷 | 堰堤下の湯 | 1972. 9. 6 | 11 | | Q=30 l/m |
| "-39 | " | " | " | " | " | " | | |
| "-40 | " | 鹿 | 沢 | 雲井の湯 | 1968. 5. 22 | " | | |
| "-41 | " | " | " | 竜宮の湯 | 1941. 8. 6 | " | 甲 565号 | |
| "-42 | " | " | " | 雲井の湯 | " 8. 6 | " | 甲 567号 | SSC-40と同一源泉 |
| "-43 | " | 花 | 敷 | 元山湯 | " | " | | X |
| "-44 | " | " | " | " | " | " | | |
| "-45 | " | " | " | ガラン温泉 | 1960. 10. 21 | " | | Q=18. 2 l/m, X |
| "-46 | " | " | " | 白岩温泉 | 1972. 6. 15 | " | | X |

備考のQは湯(掘)水量 (l/m), Xは源泉位置不明を示す。

第18-2表 白根南部地域水質一覽表

| | SSC 1 | SSC 2 | SSC 3 | SSC 4 |
|----------------------------------|----------|----------|----------|----------|
| NO | 48.0 | 64.5 | 63.0 | 55.0 |
| TEMP | 2100.000 | 3100.200 | 4344.000 | 1526.000 |
| TSM | - | 1.80 | 1.20 | 1.80 |
| PH(FD) | 2.15 | 2.10 | 1.50 | 1.95 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 16.920 | 12.070 | 15.830 | 12.940 |
| K | 6.910 | 3.138 | 1.407 | 10.030 |
| NA | 101.700 | 64.780 | 36.320 | 39.180 |
| NH4 | - | - | - | - |
| CA | 14.070 | 25.220 | 18.740 | 42.860 |
| MG | 11.070 | 4.526 | 1.663 | 3.479 |
| FF | 24.910 | 6.526 | 0.234 | 15.300 |
| MN | 0.600 | 0.022 | 0.018 | 0.250 |
| NN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 67.370 | 229.600 | 177.600 | 165.400 |
| CL | 541.000 | 614.400 | 686.500 | 578.500 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 848.402 | 1769.015 | 1663.250 | 1569.042 |
| S203 | 0.428 | 0.285 | 0.057 | 0.733 |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 305.104 | 348.647 | 222.635 | 126.627 |
| HE02 | - | - | - | - |
| H3P04 | 0.525 | 7.984 | 23.522 | 0.727 |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | 8.146 | 3.067 | 5.402 | 2.386 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 25.028 | 35.106 | 43.898 | 6.643 |
| CA/(HC03+C03) | - | - | - | - |
| MG/CA | 1.297 | 0.296 | 0.146 | 0.134 |
| NA/CA | 6.301 | 2.239 | 1.690 | 0.797 |
| CL/(HC03+C03) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 74.041 | 63.990 | 60.118 | 44.709 |
| CA*100/(NA+K+CA+MG) | 11.299 | 27.786 | 34.790 | 48.763 |
| MG*100/(NA+K+CA+MG) | 14.660 | 8.223 | 5.091 | 6.527 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 74.041 | 63.990 | 60.118 | 44.709 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.959 | 36.010 | 39.882 | 55.291 |

第18-2表 白根南部地域水質一覽表 (つづき)

| NU | SSC 5 | SSC 6 | SSC 7 | SSC 8 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 64.0 | 55.0 | 66.4 | 64.5 |
| TSM | 3155.000 | 3194.000 | 3144.000 | 3008.000 |
| PH(FD) | 1.20 | 1.40 | 1.10 | 1.20 |
| PH(LB) | 1.70 | 1.62 | 1.80 | 1.80 |
| H (MG/KG)(MVAL/KG) | 2.896 | 2.018 | 1.971 | 3.228 |
| K | 9.749 | 12.770 | 12.890 | 13.350 |
| NA | 20.570 | 35.090 | 112.300 | 78.920 |
| NH4 | 1.100 | 1.500 | 1.500 | - |
| CA | 26.458 | 23.457 | 42.530 | 30.172 |
| MG | 38.610 | 11.260 | 13.500 | 11.260 |
| FE | 69.570 | 2.491 | 79.510 | 76.200 |
| MN | 1.300 | 0.047 | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 184.400 | 179.500 | 191.600 | 184.000 |
| CL | 121.600 | 117.800 | 95.740 | 116.600 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 1455.999 | 1327.279 | 1627.618 | 1554.568 |
| S203 | - | - | - | - |
| HCO3 | - | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 261.408 | 235.637 | 302.796 | 316.336 |
| HB02 | - | - | - | - |
| H3P04 | 7.458 | 1.930 | 2.011 | 15.785 |
| HAS02 | - | - | - | 0.175 |
| CO2 | - | - | - | - |
| H2S | 1.151 | 0.518 | 4.322 | 3.457 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 3.588 | 4.673 | 14.815 | 10.068 |
| CA/(HCO3+C03) | - | - | - | - |
| MG/CA | 2.407 | 0.653 | 0.523 | 0.615 |
| NA/CA | 0.678 | 1.075 | 2.302 | 2.280 |
| CL/(HCO3+C03) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | - | - | - | - |
| S04*100/(CL+S04+HCO3+C03) | - | - | - | - |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 20.281 | 44.124 | 61.728 | 60.810 |
| CA*100/(NA+K+CA+MG) | 23.402 | 33.812 | 25.121 | 24.259 |
| MG*100/(NA+K+CA+MG) | 56.317 | 22.063 | 13.150 | 14.930 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | - | - | - | - |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 20.281 | 44.124 | 61.728 | 60.810 |
| (CA+MG)*100/(NA+K+CA+MG) | 79.719 | 55.876 | 38.272 | 39.190 |

第18-2表 白根南部地域水質一覽表(つづき)

| NO | SSC 9 | SSC 10 | SSC 11 | SSC 12 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 66.0 | 58.0 | 93.8 | 51.5 |
| TSM | 2994.000 | 6158.000 | 3640.000 | 1787.200 |
| PH(FD) | 2.50 | 3.20 | 1.50 | 2.20 |
| PH(LR) | 2.00 | 4.80 | 1.65 | 2.80 |
| H (MG/KG)(MVAI./KG) | 13.200 | 4.102 | 4.393 | 13.000 |
| K | 3.049 | 6.275 | 3.390 | 14.000 |
| NH4 | 62.690 | 12.280 | 58.740 | 29.500 |
| CA | 69.800 | 408.400 | 152.500 | 70.800 |
| MG | 29.520 | 2.429 | 32.700 | 22.310 |
| FE | 15.290 | 5.719 | 16.850 | 4.890 |
| MN | - | - | - | 1.500 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 95.560 | 76.420 | 316.300 | 43.000 |
| CL | 580.600 | 106.500 | 1530.000 | 415.380 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 1424.074 | 1671.625 | 2981.530 | 1130.000 |
| S203 | 0.625 | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 224.405 | 90.931 | 96.393 | 201.018 |
| HR02 | - | 0.200 | 0.005 | 1.605 |
| H3P04 | 6.190 | 0.531 | 5.000 | 0.114 |
| HAS02 | - | 0.040 | - | - |
| C02 | - | 65.850 | - | - |
| H2S | 0.175 | 13.420 | 30.100 | 10.480 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 34.965 | 3.328 | 29.466 | 3.583 |
| CA/(HC03+C03) | - | - | - | - |
| MG/CA | 0.697 | 0.026 | 0.354 | 0.520 |
| NA/CA | 0.783 | - | 0.336 | 0.363 |
| CL/(HC03+C03) | - | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 32.178 | - | 20.413 | 23.414 |
| CA*100/(NA+K+CA+MG) | 39.956 | - | 58.796 | 50.397 |
| MG*100/(NA+K+CA+MG) | 27.867 | - | 20.791 | 26.189 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 32.178 | - | 20.413 | 23.414 |
| (CA+MG)*100/(NA+K+CA+MG) | 67.822 | - | 79.587 | 76.586 |

第18-2表 白根南部地域水質一覧表 (つづき)

| | SSC 13 | SSC 14 | SSC 15 | SSC 16 |
|----------------------------------|----------|----------|----------|----------|
| NO | 58.5 | 60.5 | 63.0 | 50.0 |
| TEMP | - | - | - | 3081.000 |
| TSM | - | - | - | 2.10 |
| PH(FPD) | 1.45 | 1.45 | 1.45 | 2.40 |
| PH(LB) | 1.48 | 1.48 | 1.47 | - |
| H (MG/KG) (MVAL/KG) | 32.360 | 31.190 | 32.820 | - |
| NA | 7.575 | 6.483 | 17.700 | 79.344 |
| K | 51.390 | 34.920 | 30.720 | 1492.800 |
| NH4 | 0.642 | 0.428 | 0.449 | 0.061 |
| CA | 50.800 | 31.460 | 50.690 | 48.358 |
| MG | 0.024 | 24.500 | 24.480 | 14.169 |
| FE | 100.590 | 95.010 | 116.620 | 11.058 |
| MN | 2.200 | 1.045 | 2.305 | 43.777 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 147.200 | 142.300 | 153.300 | 16.472 |
| CL | 799.600 | 795.500 | 816.800 | 240.940 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 2331.884 | 2149.882 | 2231.496 | 6763.800 |
| S203 | - | - | - | 4646.100 |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 1.1,093 | 171.862 | 185.094 | 3.322 |
| H802 | 1.130 | 17.210 | 19.960 | 0.228 |
| H3P04 | 9.227 | 19.542 | 18.664 | 0.276 |
| HAS02 | 0.179 | 0.174 | 0.183 | 1.231 |
| C02 | - | - | - | 2.504 |
| H2S | 2.545 | 0.075 | 3.054 | 0.097 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 11.537 | 9.160 | 2.951 | 31.995 |
| CA/(HC03+C03) | - | - | - | 0.032 |
| MG/CA | 0.001 | 1.275 | 0.796 | 0.483 |
| NA/CA | 0.885 | 0.968 | 0.528 | 26.911 |
| CL/(HC03+C03) | - | - | - | 0.089 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | 3.037 |
| S04*100/(CL+S04+HC03+C03) | - | - | - | 62.932 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 34.030 |
| (NA+K)*100/(NA+K+CA+MG) | 49.015 | 32.072 | 28.250 | 94.927 |
| CA*100/(NA+K+CA+MG) | 50.946 | 29.864 | 39.941 | 3.421 |
| MG*100/(NA+K+CA+MG) | 0.040 | 38.064 | 31.809 | 1.653 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | 65.970 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 34.030 |
| (NA+K)*100/(NA+K+CA+MG) | 49.015 | 32.072 | 28.250 | 94.927 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.985 | 67.928 | 71.750 | 5.073 |

第18-2表 白根南部地域水質一覧表(つづき)

| NO | SSC 17 | SSC 18 | SSC 19 | SSC 20 |
|----------------------------------|---------|---------|----------|----------|
| TEMP | 40.0 | 63.5 | 79.0 | 86.0 |
| TSM | 952.000 | - | 1409.000 | 1603.500 |
| PH(FD) | - | 1.45 | 2.00 | 2.40 |
| PH(LR) | 7.30 | 1.47 | 2.20 | 2.45 |
| H (MG/KG) (MVAL/KG) | - | 32.930 | 8.300 | 1.670 |
| K | 12.800 | 0.327 | 9.900 | 41.070 |
| NA | 38.000 | 1.653 | 117.700 | 436.200 |
| NH4 | - | 0.599 | 0.200 | 0.017 |
| CA | 97.280 | 4.854 | 25.300 | 144.000 |
| MG | 72.120 | 5.935 | 34.600 | 2.300 |
| FE | 0.190 | 0.007 | 12.800 | 81.010 |
| MN | 0.400 | 0.015 | 25.300 | 2.580 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | 105.700 | 23.600 | 1.210 |
| CL | 6.730 | 823.900 | 116.000 | 257.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 290.000 | 6.038 | 1026.428 | 14.290 |
| S203 | - | - | 4.700 | - |
| HCO3 | 392.280 | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 127.158 | 188.786 | 255.177 | 1201.647 |
| HB02 | - | 15.970 | - | 1.700 |
| H3P04 | - | 27.455 | 0.715 | - |
| HAS02 | - | 0.185 | 0.002 | - |
| CO2 | 33.360 | 0.758 | - | - |
| H2S | - | 4.750 | 34.200 | 33.970 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 5.049 | 3.882 | 20.218 | 18.061 |
| CA/(HC03+CO3) | 0.755 | - | - | - |
| MG/CA | 1.223 | 0.604 | 2.255 | 0.026 |
| NA/CA | 0.341 | 0.810 | 4.056 | 2.641 |
| CL/(HC03+CO3) | 0.030 | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 1.500 | - | - | - |
| S04*100/(CL+S04+HC03+CO3) | 47.703 | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.797 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 15.509 | 38.823 | 56.662 | 73.085 |
| CA*100/(NA+K+CA+MG) | 38.015 | 38.135 | 13.313 | 26.225 |
| MG*100/(NA+K+CA+MG) | 46.476 | 23.042 | 30.025 | 0.691 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 49.203 | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.797 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 15.509 | 38.823 | 56.662 | 73.085 |
| (CA+MG)*100/(NA+K+CA+MG) | 84.491 | 61.177 | 43.338 | 26.915 |

第18-2表 白根南部地域水質一覽表(つづき)

| NO | SSC 21 | SSC 22 | SSC 23 | SSC 24 |
|----------------------------------|---------|----------|----------|---------|
| TEMP | 46.0 | 72.5 | 54.7 | 65.0 |
| TSM | 153.900 | 1235.900 | 1116.900 | 2.10 |
| PH(FD) | 2.80 | 4.25 | 2.20 | 2.15 |
| PH(LB) | 2.80 | 4.28 | 2.20 | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.740 | 13.280 | 10.500 | 7.606 |
| H | 0.460 | 0.340 | 49.496 | 35.540 |
| NA | 0.200 | 58.986 | 107.400 | 86.730 |
| NH4 | 0.011 | | 0.160 | 0.033 |
| CA | 18.150 | 3.443 | 59.290 | 60.950 |
| MG | 0.150 | 29.000 | 2.386 | 29.360 |
| FE | 43.810 | 1.569 | 4.438 | 3.041 |
| MN | 6.200 | 0.226 | 2.114 | 0.134 |
| ZN | | | | 2.544 |
| CU | | | | |
| PB | | | | |
| AL | 2.310 | 38.990 | 8.289 | 5.812 |
| CL | 45.740 | 10.640 | 399.000 | 284.300 |
| BR | | | | 8.020 |
| I | | | | |
| F | | | | |
| OH | | | 0.460 | 0.490 |
| S04 | 297.189 | 6.187 | 1039.676 | 859.281 |
| S203 | | | 7.293 | 9.033 |
| HC03 | | | | 0.161 |
| C03 | | | | |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 85.892 | 126.088 | 71.860 | 80.700 |
| H3P04 | 0.002 | 4.493 | | 1.344 |
| HAS02 | | | | |
| C02 | | | | 4.056 |
| H2S | 36.420 | 1.069 | 6.600 | 0.006 |
| RN (*E-10 CURIE/L) | | | | 55.920 |
| NA/K | | | | |
| CA/(HC03+C03) | 19.996 | 173.640 | 3.690 | 4.150 |
| MG/CA | 0.014 | 0.142 | | |
| NA/CA | 0.983 | 17.132 | 0.766 | 0.794 |
| CL/(HC03+C03) | | 0.012 | 1.579 | 1.240 |
| CL/F | | | 464.839 | 310.934 |
| CL*100/(CL+S04+HC03+C03) | | 0.417 | | |
| S04*100/(CL+S04+HC03+C03) | | 65.906 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 33.677 | | |
| (NA+K)*100/(NA+K+CA+MG) | 50.445 | 91.053 | 53.194 | 46.175 |
| CA*100/(NA+K+CA+MG) | 48.889 | 5.284 | 26.504 | 29.996 |
| MG*100/(NA+K+CA+MG) | 0.666 | 3.663 | 20.302 | 23.828 |
| (CL+S04)*100/(CL+S04+HC03+C03) | | 66.323 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 33.677 | | |
| (NA+K)*100/(NA+K+CA+MG) | 50.445 | 91.053 | 53.194 | 46.175 |
| (CA+MG)*100/(NA+K+CA+MG) | 49.555 | 8.947 | 46.806 | 53.825 |

第18-2表 白根南部地域水質一覧表(つづき)

| | SSC 25 | SSC 26 | SSC 27 | SSC 28 |
|----------------------------------|---------|----------|----------|----------|
| NO | 61.8 | 81.0 | 56.2 | - |
| TEMP | 511.700 | 2105.500 | 1014.000 | - |
| TSM | 2.30 | 2.00 | 2.10 | - |
| PH(FD) | 2.33 | 2.19 | 2.30 | 1.82 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | 3.177 | 4.134 | 2.243 | 10.040 |
| K | 38.330 | 54.990 | 34.450 | 62.580 |
| NA | 75.400 | 236.600 | 68.570 | 360.200 |
| NH4 | 0.060 | 1.385 | 0.338 | 0.749 |
| CA | 23.810 | 42.140 | 48.850 | 43.580 |
| MG | 10.430 | 30.570 | 11.870 | 61.480 |
| FE | 11.130 | 12.740 | 5.756 | 4.471 |
| MN | 0.371 | 25.190 | 15.040 | 4.391 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 11.180 | 102.700 | 43.980 | 173.400 |
| CL | 83.050 | 342.600 | 110.500 | 501.800 |
| BR | - | - | - | - |
| I | 0.401 | 1.728 | 0.751 | - |
| F | - | - | - | - |
| OH | 557.118 | 1320.560 | 678.956 | 2390.547 |
| S04 | 16.280 | 5.069 | 5.074 | - |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 51.874 | 282.256 | 87.392 | 365.494 |
| HB02 | - | 37.490 | 9.477 | 39.920 |
| H3P04 | 1.734 | 1.231 | 0.262 | - |
| HAS02 | 0.012 | 4.962 | 0.375 | 2.823 |
| CO2 | - | - | - | - |
| H2S | 22.910 | 0.847 | 9.324 | 8.721 |
| RN (*F-10 CURTIE/L) | - | - | - | - |
| NA/K | 3.345 | 7.317 | 3.385 | 9.788 |
| CA/(HC03+C03) | - | - | 0.401 | 2.326 |
| MG/CA | 0.722 | 1.196 | 1.224 | 7.205 |
| NA/CA | 2.761 | 4.895 | - | - |
| CL/(HC03+C03) | - | - | - | - |
| CL/F | 110.950 | 106.250 | 78.851 | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | - |
| S04*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 67.552 | 71.696 | 53.089 | 70.478 |
| CA*100/(NA+K+CA+MG) | 18.839 | 12.887 | 33.491 | 8.875 |
| MG*100/(NA+K+CA+MG) | 13.609 | 15.417 | 13.420 | 20.647 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 67.552 | 71.696 | 53.089 | 70.478 |
| (CA+MG)*100/(NA+K+CA+MG) | 32.448 | 28.304 | 46.911 | 29.522 |

第18-2表 白根南部地域水質一覽表(つづき)

| | SSC 33 | SSC 34 | SSC 35 | SSC 36 |
|----------------------------------|---------|----------|---------|----------|
| NO | | 72.0 | 76.0 | 72.0 |
| TEMP | - | 2310.000 | - | 2510.000 |
| TSM | - | 7.20 | - | - |
| PH(FD) | - | 8.10 | 6.00 | 8.10 |
| PH(LR) | 2.27 | - | - | - |
| H (MG/KG)(NVAL/KG) | 4.950 | 4.911 | - | - |
| K | 28.620 | 0.732 | 0.208 | 0.243 |
| NA | 119.400 | 5.194 | 1.419 | 8.700 |
| NH4 | - | - | 9.500 | 8.150 |
| CA | 45.070 | 2.249 | 200.000 | 32.610 |
| MG | 41.950 | 3.452 | 131.700 | 24.230 |
| FE | 2.128 | 0.076 | 0.914 | 1.250 |
| MN | - | - | 0.100 | 0.611 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 15.260 | 1.697 | - | - |
| CL | 123.900 | 3.495 | 225.000 | 289.900 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 950.545 | 19.790 | 44.020 | 1326.900 |
| S203 | - | - | - | - |
| HC03 | - | - | 49.890 | 373.500 |
| C03 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 324.260 | 4.523 | - | 271.640 |
| HR02 | 15.000 | 0.342 | - | 21.670 |
| H3P04 | - | - | - | - |
| HAS02 | 0.022 | 0.000 | - | - |
| C02 | - | - | - | - |
| H2S | 10.810 | 0.317 | - | 5.603 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 7.095 | 6.804 | 35.801 | 6.804 |
| CA/(HC03+C03) | - | 0.198 | 8.037 | 0.198 |
| MG/CA | 1.535 | 0.085 | 0.011 | 0.085 |
| NA/CA | 2.309 | 1.173 | 1.324 | 1.173 |
| CL/(HC03+C03) | - | 1.356 | 7.762 | 1.356 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | 19.506 | 78.541 | 19.506 |
| S04*100/(CL+S04+HC03+C03) | - | 65.893 | 11.341 | 65.893 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 14.601 | 10.118 | 14.601 |
| (NA+K)*100/(NA+K+CA+MG) | 50.967 | 55.360 | 57.364 | 55.360 |
| CA*100/(NA+K+CA+MG) | 19.343 | 41.140 | 42.154 | 41.140 |
| MG*100/(NA+K+CA+MG) | 29.690 | 3.500 | 0.482 | 3.500 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 85.399 | 89.882 | 85.399 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 14.601 | 10.118 | 14.601 |
| (NA+K)*100/(NA+K+CA+MG) | 50.967 | 55.360 | 57.364 | 55.360 |
| (CA+MG)*100/(NA+K+CA+MG) | 49.033 | 44.640 | 42.636 | 44.640 |

第18-2表 白根南部地域水質一覧表 (つづき)

| | SSC 37 | SSC 38 | SSC 39 | SSC 40 |
|----------------------------------|----------|----------|----------|---------|
| NO | 56.0 | 54.5 | 45.0 | 46.0 |
| TEMP | 3876.000 | 1505.800 | 1729.000 | 956.000 |
| TSM | 6.05 | 7.40 | 6.90 | 7.05 |
| PH(FD) | 6.24 | 7.60 | 7.00 | 7.35 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 6.810 | 0.174 | 0.248 | 17.550 |
| NA | 172.900 | 7.521 | 8.374 | 225.400 |
| NH4 | | | 11.590 | 0.449 |
| CA | 236.200 | 11.786 | 430.900 | 9.805 |
| MG | 12.460 | 1.025 | 297.100 | 4.875 |
| FF | 2.398 | 0.086 | 39.450 | 0.155 |
| MN | | | 2.647 | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.152 | 0.017 | 0.093 | 105.000 |
| CL | 243.900 | 6.880 | 336.700 | 40.900 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 590.300 | 12.290 | 342.600 | 7.133 |
| S203 | | | | |
| HC03 | 87.920 | 1.441 | 1259.000 | 20.619 |
| C03 | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 44.042 | 0.733 | 57.182 | 0.952 |
| H3PO4 | | | | |
| HAS02 | | | | |
| C02 | 3.549 | 0.081 | 2.627 | 0.060 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 43.175 | 33.748 | 63.224 | 21.841 |
| CA/(HC03+C03) | 8.179 | 20.918 | 0.719 | 0.192 |
| MG/CA | 0.087 | 0.106 | 0.219 | |
| NA/CA | 0.638 | 0.718 | 1.264 | 2.011 |
| CL/(HC03+C03) | 4.775 | 11.375 | 0.461 | 0.045 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 33.382 | 28.608 | 25.499 | |
| S04*100/(CL+S04+HC03+C03) | 59.627 | 68.877 | 19.149 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.991 | 2.515 | 55.352 | |
| (NA+K)*100/(NA+K+CA+MG) | 37.525 | 40.067 | 51.305 | |
| CA*100/(NA+K+CA+MG) | 57.475 | 54.170 | 39.947 | |
| MG*100/(NA+K+CA+MG) | 5.000 | 5.763 | 8.747 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.009 | 97.485 | 44.648 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.991 | 2.515 | 55.352 | |
| (NA+K)*100/(NA+K+CA+MG) | 37.525 | 40.067 | 51.305 | |
| (CA+MG)*100/(NA+K+CA+MG) | 62.475 | 59.933 | 48.695 | |

第18-2表 白根南部地域水質一覧表 (つづき)

| NO | SSC 41 | SSC 42 | SSC 43 | SSC 44 |
|----------------------------------|----------|----------|----------|--------|
| TEMP | 39.0 | 45.5 | 26.0 | - |
| TSM | - | - | 3128.000 | - |
| PH(FD) | 6.20 | 6.30 | 2.82 | - |
| PH(LB) | 6.25 | 6.35 | 2.95 | 7.40 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 5.789 | 7.718 | 4.379 | 4.344 |
| NA | 251.000 | 10.919 | 4.427 | 0.113 |
| NH4 | - | 11.367 | 38.340 | 1.668 |
| CA | 49.360 | 3.313 | - | - |
| MG | 73.100 | 66.400 | 227.600 | 11.357 |
| FE | 0.560 | 85.570 | 54.130 | 4.454 |
| MN | - | 1.792 | 36.870 | 1.320 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 3.404 | 0.378 | 279.300 | 31.055 |
| CL | 30.500 | 1.576 | 0.175 | 4.674 |
| BR | - | 37.230 | 271.800 | 7.667 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 4.699 | 3.136 | 1100.913 | 22.921 |
| S203 | - | - | - | - |
| HC03 | 1158.000 | 1290.000 | - | - |
| C03 | - | 21.143 | - | - |
| SI02 (MG/KG) (MMOL/KC) | 136.397 | 151.244 | 153.475 | 2.555 |
| HB02 | 2.000 | 2.000 | 0.046 | - |
| H3P04 | - | - | - | - |
| H4S02 | - | - | - | - |
| CO2 | 229.400 | 164.400 | - | - |
| H2S | - | - | 3.240 | 0.095 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 73.732 | 57.574 | 14.728 | 45.275 |
| CA/(HC03+C03) | 0.130 | 0.157 | - | 3.996 |
| MG/CA | 2.442 | 2.125 | 0.392 | 0.033 |
| NA/CA | 4.433 | 3.431 | 0.147 | 0.685 |
| CL/(HC03+C03) | 0.045 | 0.050 | - | 1.878 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 4.315 | 4.718 | - | 26.479 |
| S04*100/(CL+S04+HC03+C03) | 0.491 | 0.293 | - | 59.422 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 95.194 | 94.988 | - | 14.098 |
| (NA+K)*100/(NA+K+CA+MG) | 56.621 | 52.758 | 10.124 | 40.414 |
| CA*100/(NA+K+CA+MG) | 12.602 | 15.116 | 64.557 | 57.694 |
| MG*100/(NA+K+CA+MG) | 30.777 | 32.126 | 25.319 | 1.892 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 4.806 | 5.012 | - | 85.902 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 95.194 | 94.988 | - | 14.098 |
| (NA+K)*100/(NA+K+CA+MG) | 56.621 | 52.758 | 10.124 | 40.414 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.379 | 47.242 | 89.876 | 59.586 |

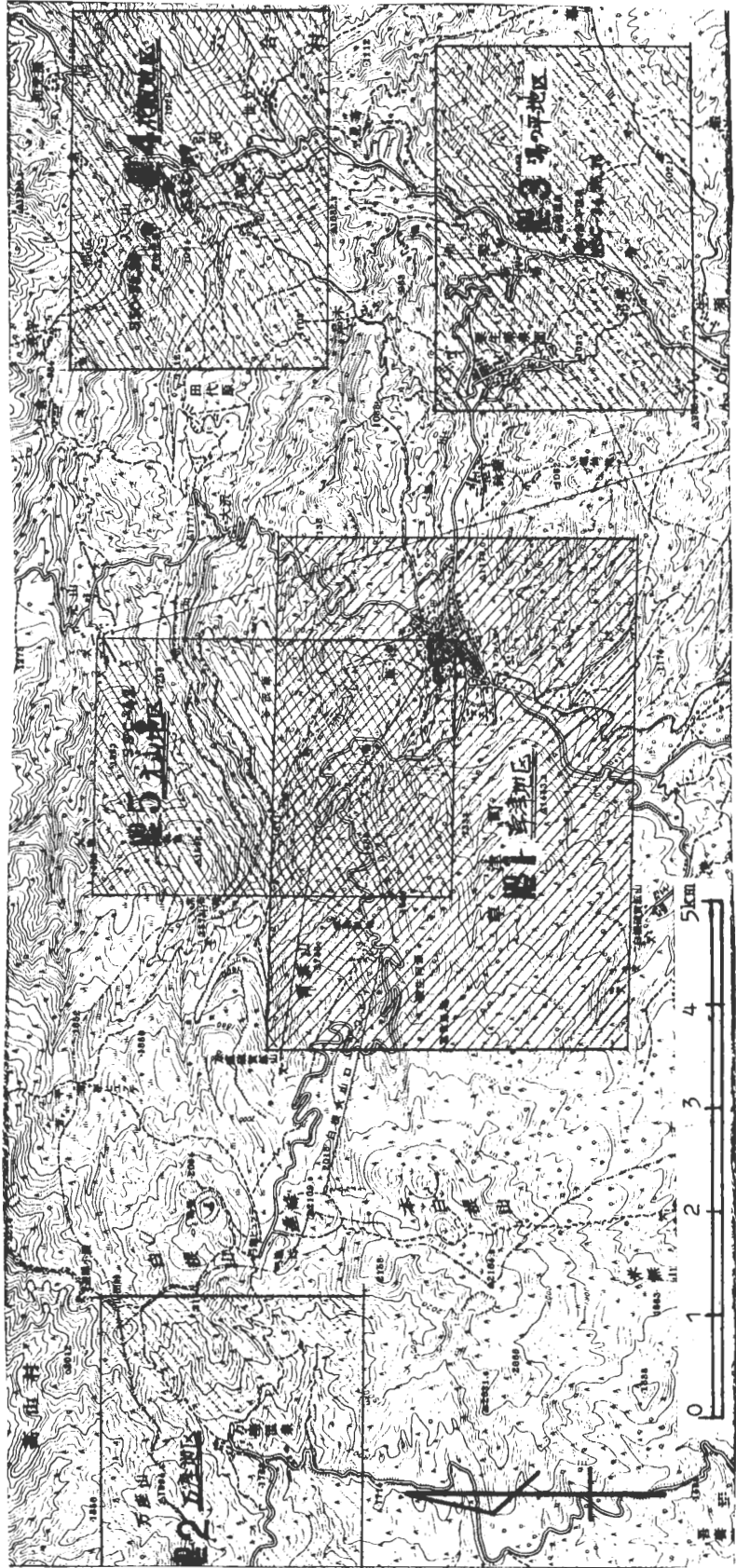
第18-2表 白根南部地域水質一覽表 (つづき)

| | SSC 45 | SSC 46 |
|----------------------------------|----------|----------|
| NO | 43.0 | 25.0 |
| TEMP | 1935.000 | 1434.000 |
| TSM | 6.93 | 7.30 |
| PH(FD) | 7.60 | 7.00 |
| PH(LB) | | |
| H (MG/KG) (MVAL/KG) | | |
| K | 4.981 | 0.127 |
| NA | 105.500 | 4.589 |
| NH4 | | |
| CA | 196.700 | 9.815 |
| MG | 2.657 | 0.219 |
| FE | 109.712 | 3.929 |
| MN | | |
| ZN | | |
| CU | | |
| PB | | |
| AL | 186.100 | 20.692 |
| CL | 73.420 | 2.071 |
| BR | | |
| I | | |
| F | | |
| OH | | |
| S04 | 977.300 | 20.347 |
| S203 | | |
| HCO3 | 991.100 | 16.244 |
| C03 | | |
| SI02 (MG/KG) (MMOL/KG) | 725.681 | 12.083 |
| HB02 | 15.180 | 0.347 |
| H3P04 | | |
| HAS02 | | |
| C02 | 66.680 | 1.515 |
| H2S | 37.425 | 1.098 |
| RN (*F-10 CURIE/L) | | |
| NA/K | 36.018 | 57.095 |
| CA/(HCO3+C03) | 0.504 | 0.362 |
| MG/CA | 0.022 | 0.022 |
| NA/CA | 0.468 | 2.856 |
| CL/(HCO3+C03) | 0.128 | 0.076 |
| CL/F | | |
| CL*100/(CL+S04+HCO3+C03) | 5.357 | 5.146 |
| S04*100/(CL+S04+HCO3+C03) | 52.628 | 27.072 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 42.015 | 67.782 |
| (NA+K)*100/(NA+K+CA+MG) | 31.976 | 73.973 |
| CA*100/(NA+K+CA+MG) | 66.542 | 25.456 |
| MG*100/(NA+K+CA+MG) | 1.482 | 0.570 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 57.985 | 32.218 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 42.015 | 67.782 |
| (NA+K)*100/(NA+K+CA+MG) | 31.976 | 73.973 |
| (CA+MG)*100/(NA+K+CA+MG) | 68.024 | 26.027 |

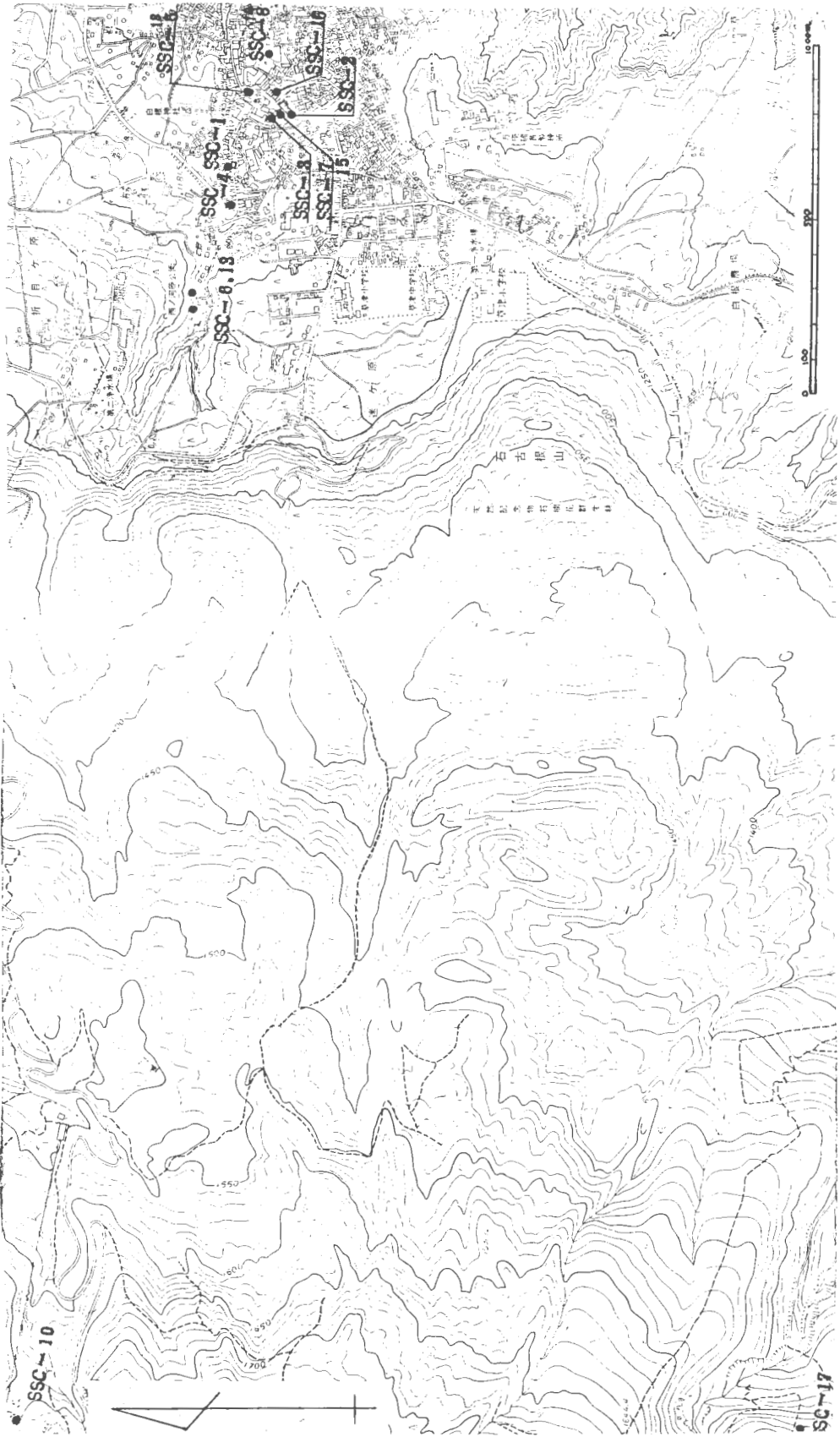
第18-3表 白根南部地域特定成分量の頻度分布表

| FREQUENCY DATA OF ZN, CU, PI, AS AND Hg | | | |
|---|----|-------|----------------------|
| ZN | N | F(%) | CU |
| ND | 46 | 100.0 | ND |
| <0.500 | 0 | 0. | <0.300 |
| <5.000 | 0 | 0. | <3.000 |
| >5.000 | 0 | 0. | >3.000 |
| TOTAL | 46 | 100.0 | TOTAL |
| | | | |
| PI | N | F(%) | AS |
| ND | 46 | 100.0 | ND |
| <0.100 | 0 | 0. | <0.050 |
| <1.000 | 0 | 0. | <0.500 |
| >1.00 | 0 | 0. | <5.000 |
| TOTAL | 46 | 100.0 | >5.000 |
| | | | |
| HgS | N | F(%) | TOTAL |
| ND | 17 | 26.1 | TOTAL |
| < 1.000 | 3 | 5.2 | N= NUMBER OF SAMPLES |
| < 10.000 | 17 | 37.1 | F= FREQUENCY(%) |
| <100.000 | 13 | 28.7 | |
| >100.000 | 1 | 2.2 | |
| TOTAL | 46 | 100.0 | |

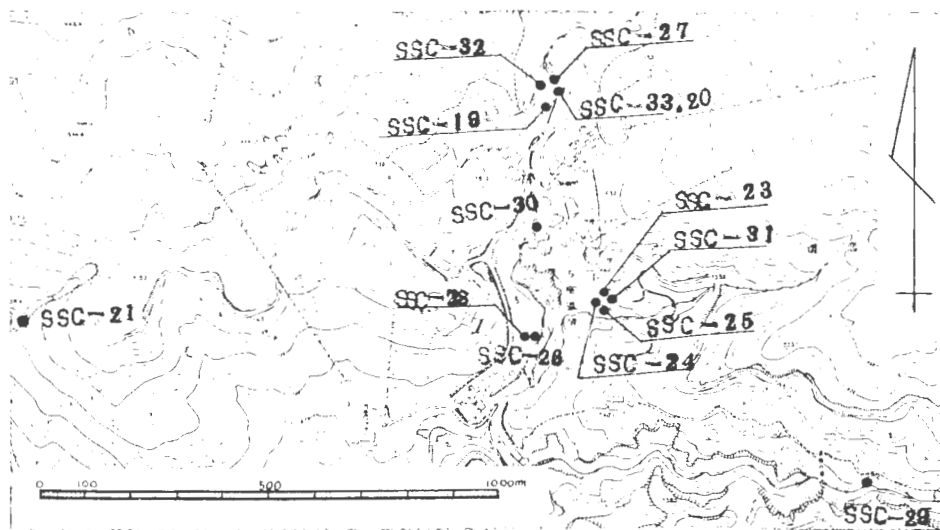
第18-1 図 白根南部地域における温泉の分布における温泉の分布および試料採取地（元山、花敷、湯の平地区）



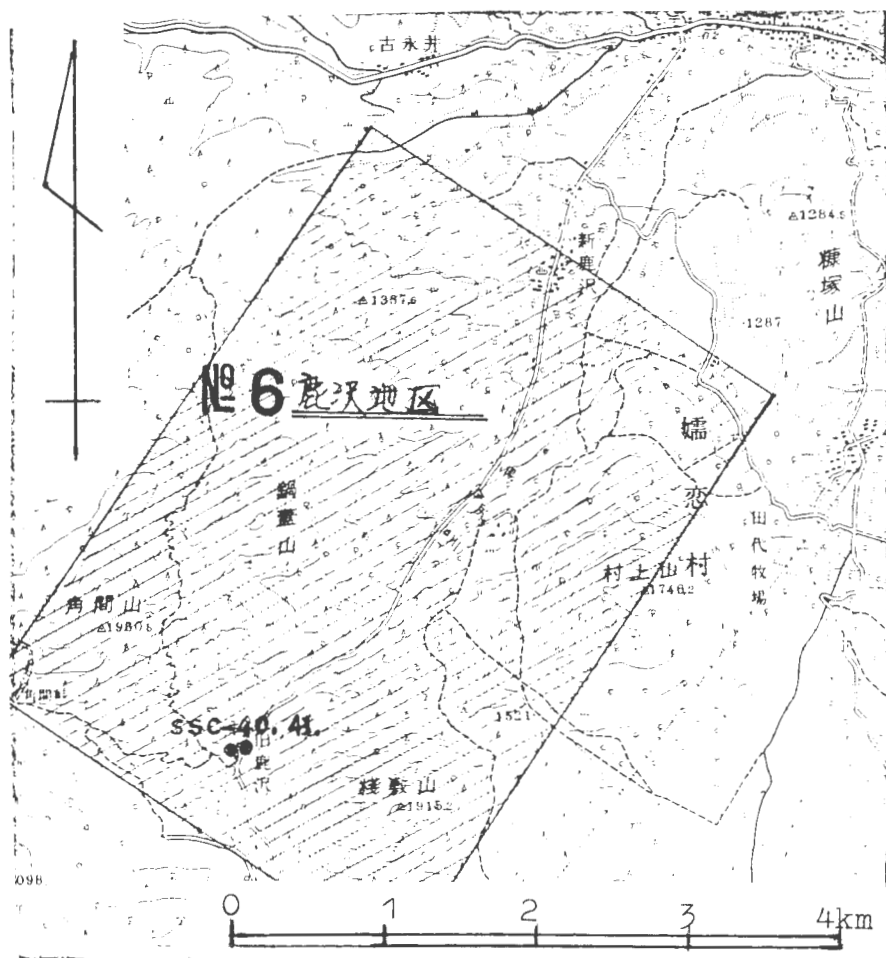
第18-2図 試料採取地(草津地区)



第18-3図 試料採取地(万座地区)



第18-4図 試料採取地(鹿沢地区)

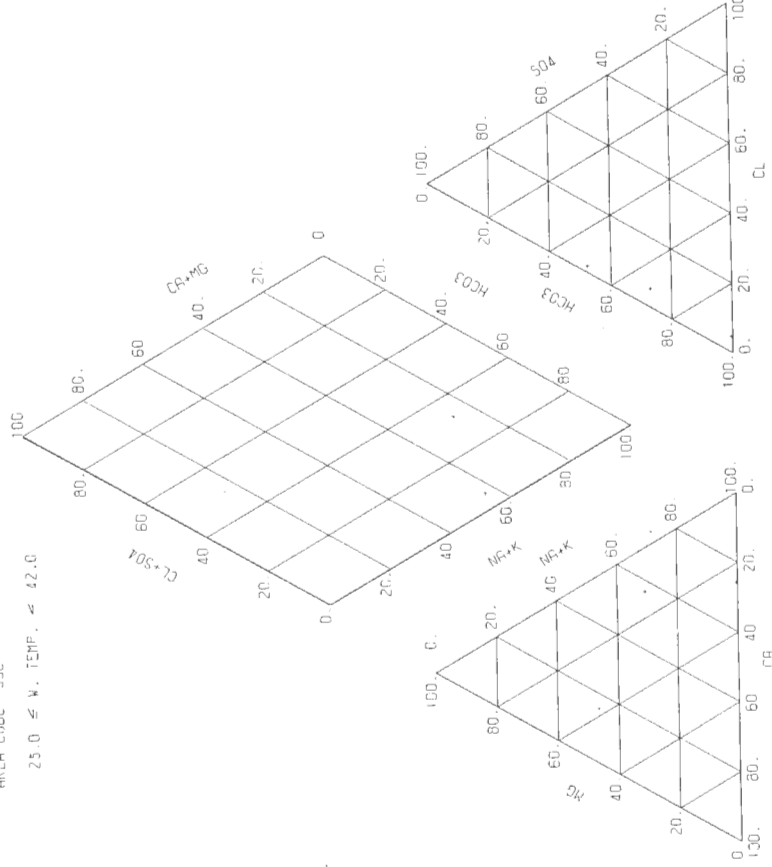


第18-5図 白根南部地域水質組成図 (その1) (水温35℃以上42℃未満)

SOUTH SHIRANE

AREA CODE SSC

25.0 ≦ W. TEMP. < 42.0

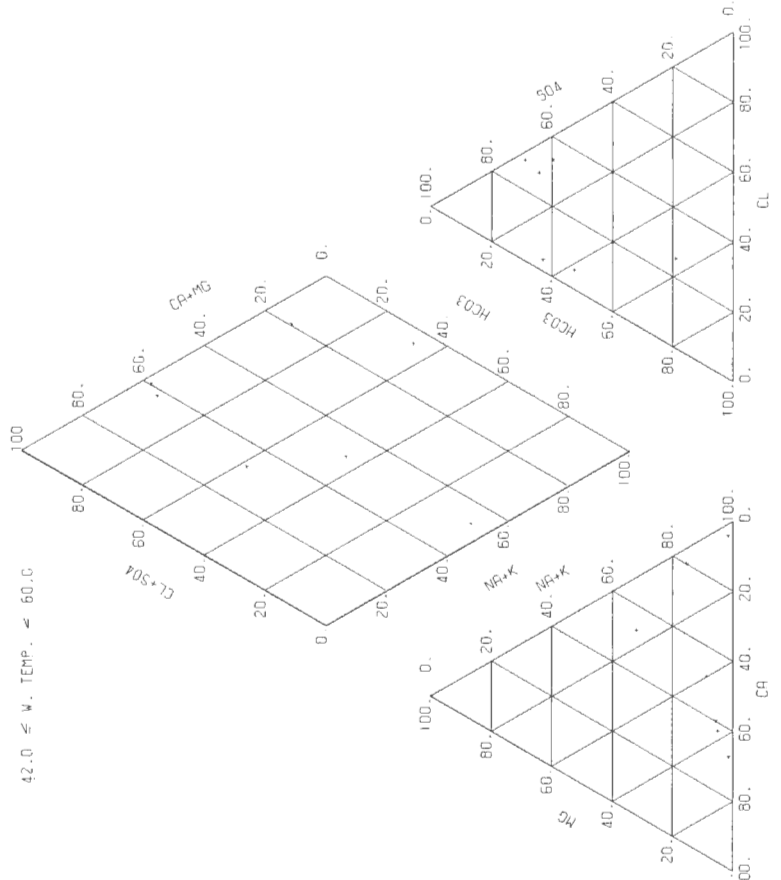


第18-5図 白根南部地域水質組成図 (その2) (水温42℃以上60℃未満)

SOUTH SHIRANE

AREA CODE SSC

42.0 ≦ W. TEMP. < 60.0

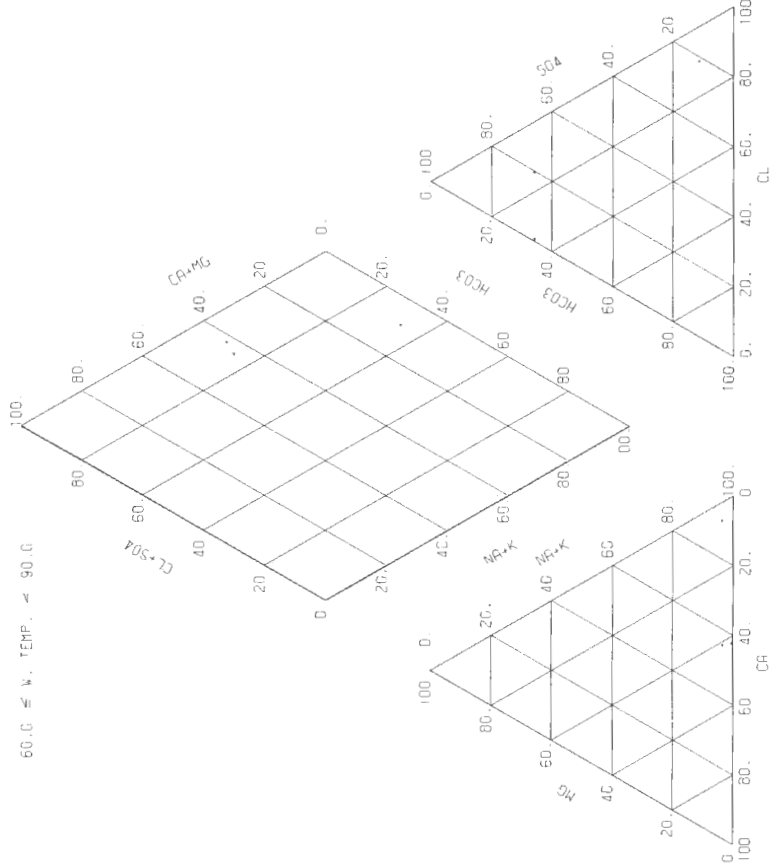


第18-5図 白根南部地域水質組成図 (その3) (水温60℃以上90℃未満)

SOUTH SHIRANE

AREA CODE SSC

60.0 ≦ W. TEMP. < 90.0

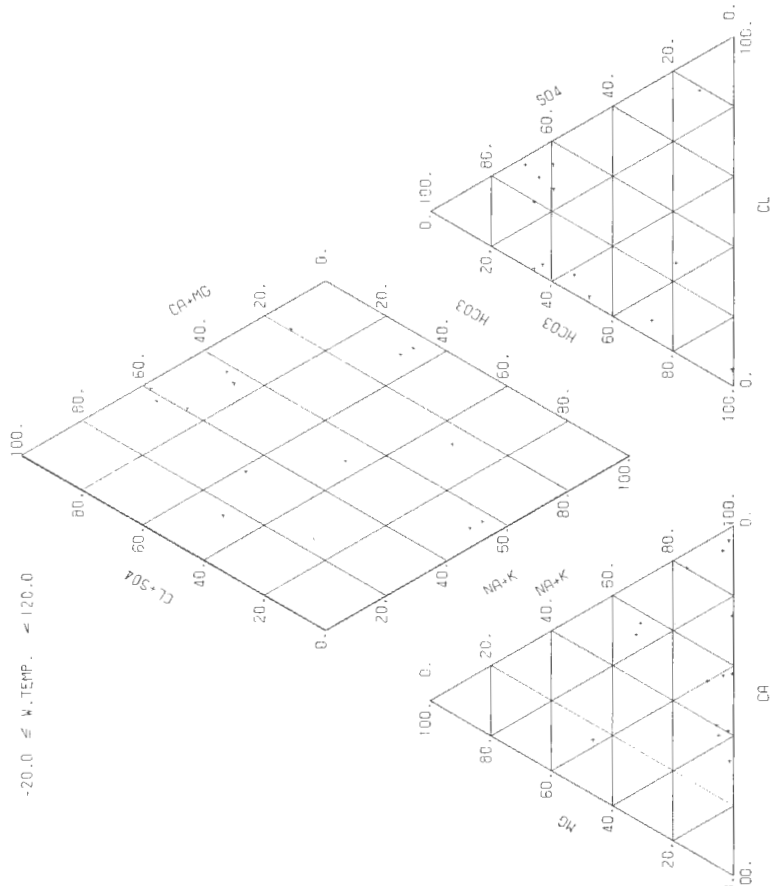


第18-5図 白根南部地域水質組成図 (その4) (全試料)

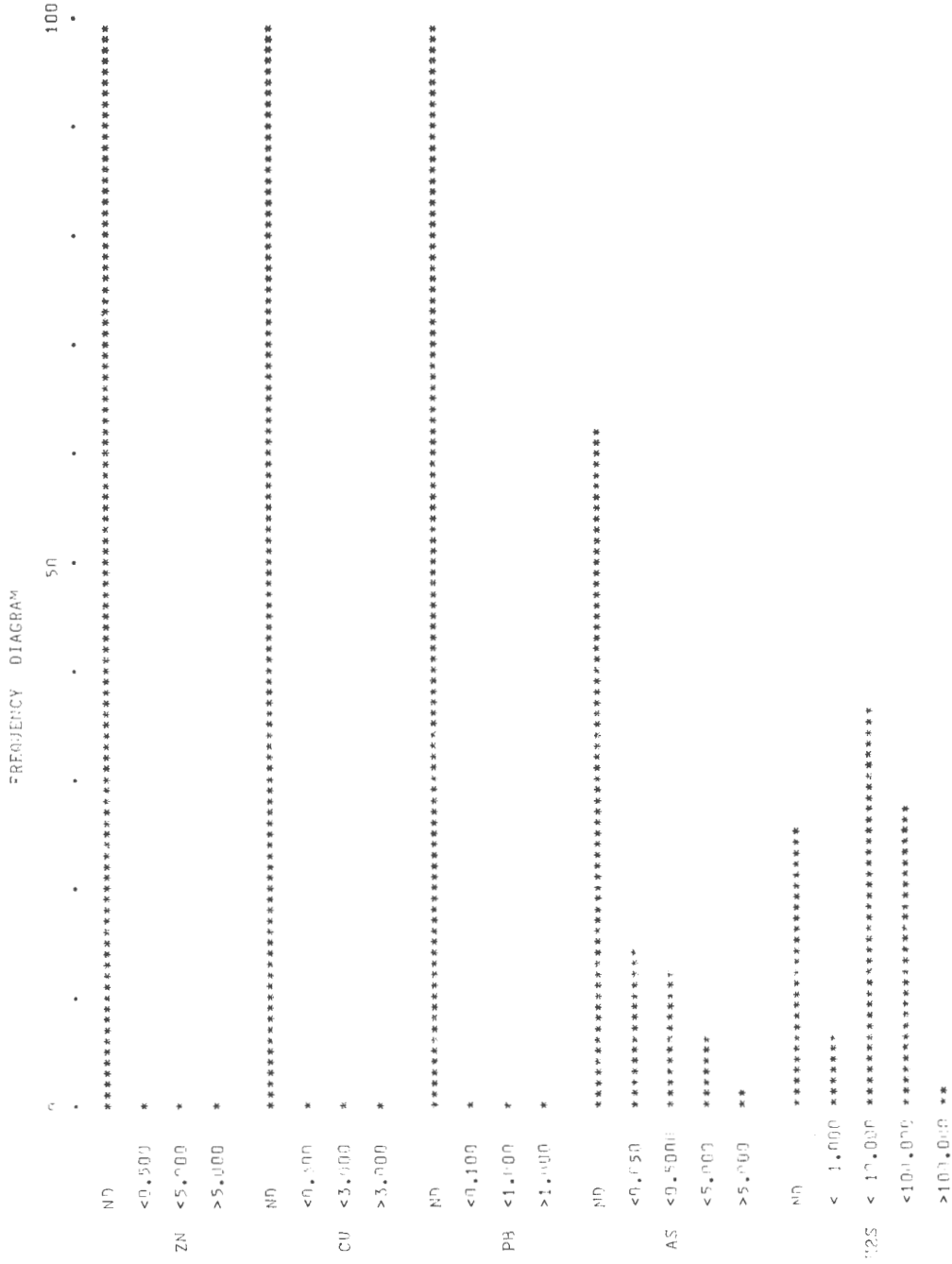
SOUTH SHIRANE

AREA CODE SSC

-20.0 ≦ W. TEMP. ≦ 120.0



第18-6図 白根南部地域特定成分含量の頻度分布図



19. 北アルプス

Kita-Alps

| | |
|-------|-----------------------------------|
| 位置 | 富山県上新川郡大山町，同下新川郡宇奈月町，同中 新川郡立山町 |
| データ数 | 46 |
| 収集・整理 | 川野昌樹 |
| 協力 | 富山県衛生研究所 |

調査位置図（20万分の1地勢図 富山，高山）



第19-1表 北アールプス地域試料一覽表

| No. | 産 | 地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|---------------------------|-----------|-------|---------|------------|-------|-----------|----|
| APC-1 | 富山県下新川郡宇奈月町舟見黒部奥山国有林俗称祖母谷 | | 祖母谷温泉 | | 1951.12.10 | 69 | 2 | F |
| " | " | " | " | " | 1952.6.23 | " | 3 | F |
| " | " | " | " | 阿曾原 | " | " | 4 | F |
| " | " | " | 飛温泉 | 俗称小黒部 | 7.30 | " | 5 | F |
| " | 中新川郡立山町地獄谷 | | 地獄谷温泉 | | 9.29 | " | 11 | F |
| " | 下新川郡宇奈月町黒薙 | | 黒薙温泉 | | 1953.9.15 | " | 21 | F |
| " | " | " | " | 1号2号泉合併 | 1950.12.15 | " | 22 | F |
| " | " | " | 鐘釣温泉 | | 12.15 | " | 36 | F |
| " | " | 舟見黒部奥山国有林 | " | 錦温泉 | 1954.8.5 | " | 37 | F |
| " | " | " | " | 新鐘釣 | 1953.9.17 | " | 46 | F |
| " | " | " | 黒薙温泉 | 湧出口「ハ」 | 1955.9.17 | " | 47 | F |
| " | " | " | " | " | 2.20 | " | 49 | F |
| " | " | " | 笹平温泉 | 仙人の湯 | 1954.12.5 | " | 50 | F |
| " | " | " | " | 第1号源泉 | 1955.4.21 | " | 51 | F |
| " | " | " | " | 第2号源泉 | " | " | 52 | F |
| " | 中新川郡立山町地獄谷地内 | | 地獄谷温泉 | 雄山荘利用 | 9.28 | " | 53 | F |
| " | " | " | " | " | 10.16 | " | 54 | F |
| " | " | " | " | A1源泉 | 1954.9.28 | " | 55 | F |
| " | " | " | " | 露天 | 1953.9.27 | " | 56 | F |
| " | " | " | " | 房治の湯 | 1955.9.17 | " | 57 | F |
| " | 下新川郡宇奈月町舟見黒部奥山国有林小黒部 | | 祖母谷温泉 | 発電所利用泉 | 8.9 | " | 63 | F |
| " | " | " | " | 名剣温泉 | 1956.6.18 | " | 68 | F |
| " | " | " | " | 仙人 | " | " | 73 | F |
| " | " | " | 立山温泉 | 立山新湯 | 1957.9.17 | " | 75 | F |
| " | " | " | 宇奈月温泉 | " | 9.12 | " | 77 | F |
| " | " | " | " | " | 11.26 | " | 78 | F |
| " | " | " | " | 仙人ダム源泉 | 11.26 | " | (79) | F |
| " | " | " | " | " | 1958.8.8 | " | (82) | F |
| " | " | " | " | " | 11.6 | " | (83) | F |
| " | " | " | " | " | " | " | (84) | F |
| " | " | " | 飯鬼谷温泉 | みくりが池荘 | 1959.9.21 | " | (91) | F |
| " | " | " | 鐘釣温泉 | 立山湯ノ川温泉 | " | " | (92) | F |
| " | " | " | 地獄谷温泉 | 立山温泉 | 10.16 | " | (95) | F |
| " | " | " | 立山温泉 | 地獄温泉 | 1960.6.25 | " | (101) | F |
| " | " | " | 祖母谷温泉 | 地獄温泉 | 1962.8.31 | " | (107) | F |
| " | " | " | 地獄谷温泉 | 室堂温泉 | 1964.7.29 | " | (112) | F |
| " | " | " | 祖母谷温泉 | 地獄温泉 | 1965.6.12 | " | (119) | F |
| " | " | " | 阿曾原温泉 | 阿曾原温泉 | 1967.7.25 | " | | F |
| " | " | " | 立山温泉 | 立山温泉 | | " | | F |

| No. | 産 | 地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備 | 考 |
|--------|----------------------|--------------------|-------|-------|-----|------------|-----------|----------------|----------|----------------------------|
| APC-38 | 富山県上新川郡火山町有峰真川谷割18のI | | 立山温泉 | うさぎの湯 | の湯 | 1975.10.26 | 30 | | | F |
| "-39 | " | " | " | 立山新湯 | の湯 | " | " | | | F |
| "-40 | " | 中新川郡立山町松尾谷 | " | 松平の湯 | の湯 | " | " | | | F |
| "-41 | " | 上新川郡火山町有峰真川谷割 | " | 元 | の湯 | " | " | | | F |
| "-42 | " | " | " | 立山2号泉 | の湯 | " | " | | D=50.6m, | F |
| "-43 | " | " | " | 立山3号泉 | の湯 | " | " | | D=60.0m, | F |
| "-44 | " | " | " | 立山4号泉 | の湯 | " | " | | D=51.0m, | F |
| "-45 | " | 上新川郡火山町黒部谷割(俗称高天原) | 高天原温泉 | 高天原 | 庄 | 1955.7.5 | 69 | (88) | | Q=69//m, F |
| "-46 | " | " | " | 大 | 東温泉 | 1967.7.4 | " | (102) | | Q=4.8//m, F Q=400//m, F |

備考欄のDは深度(m), Qは湧出量(l/m), Fは自噴を示す。

第19-2表 北アプルス地域水質一覧表

| | ARC 1 | ARC 2 | ARC 3 | ARC 4 |
|----------------------------------|---------|---------|---------|---------|
| INO | 97.0 | 72.5 | 89.5 | 74.5 |
| TEMP | 954.160 | 649.600 | 865.400 | 625.200 |
| TSM | 7.70 | 6.80 | 8.40 | 7.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | 26.570 | 19.840 | 9.227 |
| K | - | 136.510 | 164.850 | 141.646 |
| NA | - | - | - | - |
| INH4 | - | - | - | - |
| CA | 21.270 | 16.410 | 50.970 | 14.250 |
| MG | 2.570 | 3.310 | 1.590 | 0.080 |
| FE | 0.130 | 0.211 | 0.272 | 0.131 |
| MN | - | 0.030 | 0.001 | 0.012 |
| ZN | - | 0.160 | 0.006 | 0.022 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.250 | 0.190 | 0.021 | 0.193 |
| CL | 249.570 | 7.040 | 3.540 | 170.410 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 27.110 | 38.320 | 0.798 | 21.880 |
| S2O3 | - | - | - | - |
| HCO3 | 173.240 | 206.780 | 3.389 | 111.090 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | - | 73.184 | 149.352 | 129.472 |
| HB04 | - | - | 2.960 | 0.174 |
| H3PO4 | - | - | 50.890 | 1.060 |
| HAS02 | 0.347 | 0.564 | - | - |
| CO2 | - | - | - | - |
| H2S | - | 34.690 | - | - |
| RN (*F-10 CURIE/L) | - | 1.037 | 3.586 | 0.612 |
| INA/K | - | 8.607 | 14.130 | 26.106 |
| CA/(HC03+C03) | 0.374 | 0.242 | 1.630 | 0.391 |
| MG/CA | 0.199 | 0.333 | 0.051 | 0.009 |
| NA/CA | 24.517 | 7.252 | 2.819 | 8.665 |
| CL/(HC03+C03) | 2.480 | 1.045 | 4.529 | 2.640 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 67.409 | 45.814 | 72.953 | 67.865 |
| SO4*100/(CL+S04+HC03+C03) | 5.404 | 10.325 | 10.937 | 6.431 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 27.186 | 43.861 | 16.110 | 25.704 |
| (NA+K)*100/(NA+K+CA+MG) | - | 85.864 | 74.169 | 89.914 |
| CA*100/(NA+K+CA+MG) | - | 10.608 | 24.567 | 9.994 |
| MG*100/(NA+K+CA+MG) | - | 3.529 | 1.264 | 0.093 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 72.814 | 56.139 | 83.890 | 74.296 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 27.186 | 43.861 | 16.110 | 25.704 |
| (NA+K)*100/(NA+K+CA+MG) | - | 85.864 | 74.169 | 89.914 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 14.136 | 25.831 | 10.086 |

第19-2表 北アルプス地域水質一覧表 (つづき)

| | ARC 5 | ARC 6 | ARC 7 | ARC 8 |
|----------------------------------|---------|---------|---------|---------|
| INO | 76.5 | 97.2 | 92.2 | 57.1 |
| TEMP | 531.500 | 615.590 | 495.850 | 438.900 |
| TSM | 2.80 | 6.80 | 6.60 | 6.80 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | 1.064 | 1.056 | 1.056 | 1.056 |
| K | - | 11.551 | 7.896 | 6.440 |
| NA | 8.210 | 134.075 | 118.302 | 84.140 |
| NAH4 | - | - | - | - |
| CA | 11.400 | 15.327 | 12.240 | 14.980 |
| MG | 1.790 | 0.147 | 0.094 | 3.670 |
| FE | 5.800 | 1.145 | 1.055 | 0.302 |
| MN | 0.208 | 0.062 | 0.055 | 0.050 |
| ZN | 0.150 | 0.005 | - | 0.410 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 6.650 | 0.739 | 0.624 | 0.320 |
| CL | 11.210 | 0.316 | 3.748 | 85.810 |
| BR | - | - | 99.260 | 2.800 |
| I | - | - | - | - |
| F | - | - | - | - |
| OR | - | - | - | - |
| S04 | 192.154 | 36.889 | 33.421 | 37.060 |
| S203 | - | - | 57.884 | 105.330 |
| H003 | - | 154.221 | 2.528 | - |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 56.985 | 118.495 | 77.325 | 105.371 |
| HB02 | 0.536 | 0.005 | 1.026 | 0.023 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | 3.498 | 2.801 | 0.317 |
| H2S | 12.310 | 1.184 | 1.253 | 9.680 |
| HN (*E-10) (CURTE/L) | - | - | - | - |
| INA/K | - | 19.739 | 25.478 | 22.218 |
| CA/(H003+CO3) | - | 0.303 | 0.644 | 0.433 |
| MG/CA | 0.259 | 0.123 | 0.142 | 0.404 |
| INA/CA | 0.628 | 7.626 | 8.426 | 4.896 |
| CL/(HCO3+CO3) | - | 1.483 | 2.951 | 1.402 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | 53.214 | 63.000 | 49.215 |
| S04*100/(CL+S04+HCO3+CO3) | - | 10.903 | 15.655 | 115.687 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 35.883 | 21.345 | 35.098 |
| (NA+K)*100/(NA+K+CA+MG) | - | 87.705 | 88.461 | 78.469 |
| CA*100/(NA+K+CA+MG) | - | 10.947 | 10.103 | 12.335 |
| MG*100/(NA+K+CA+MG) | - | 1.349 | 1.436 | 6.196 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | 64.117 | 78.655 | 64.902 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 35.883 | 21.345 | 35.098 |
| (NA+K)*100/(NA+K+CA+MG) | - | 87.705 | 88.461 | 78.469 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 12.295 | 11.539 | 21.531 |

第19-2表 北アルプス地域水質一覧表 (つづき)

| NO | APC 9 | | | APC 10 | | | APC 11 | | | APC 12 | | |
|----------------------------------|---------|-------|--|---------|-------|--|---------|-------|--|---------|-------|--|
| | | | | | | | | | | | | |
| TEMP | 50.2 | | | 98.5 | | | 60.0 | | | 80.0 | | |
| TSM | 257.500 | | | 522.800 | | | 528.500 | | | 905.600 | | |
| PH(FD) | 6.70 | | | 8.00 | | | 8.00 | | | 7.80 | | |
| PH(LB) | - | | | - | | | - | | | - | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 6.511 | 0.167 | | 10.950 | 0.280 | | 12.300 | 0.315 | | 25.270 | 0.646 | |
| NA | 39.204 | 1.705 | | 134.750 | 5.862 | | 137.250 | 5.970 | | 215.040 | 9.354 | |
| NH4 | | | | | | | | | | | | |
| CA | 16.760 | 0.836 | | 13.590 | 0.678 | | 12.350 | 0.616 | | 10.837 | 0.541 | |
| MG | 1.724 | 0.142 | | 1.080 | 0.089 | | 0.820 | 0.067 | | 1.540 | 0.127 | |
| FE | 0.110 | 0.004 | | 0.080 | 0.003 | | 0.076 | 0.003 | | 0.120 | 0.004 | |
| MN | - | - | | - | - | | - | - | | 0.170 | 0.006 | |
| ZN | - | - | | - | - | | - | - | | - | - | |
| CU | - | - | | - | - | | - | - | | - | - | |
| PB | - | - | | - | - | | - | - | | - | - | |
| AL | 0.889 | 0.099 | | 0.590 | 0.066 | | 0.570 | 0.063 | | 0.970 | 0.108 | |
| CL | 45.380 | 1.280 | | 129.070 | 3.641 | | 132.050 | 3.725 | | 177.915 | 5.019 | |
| BR | - | - | | - | - | | - | - | | - | - | |
| I | - | - | | - | - | | - | - | | - | - | |
| F | - | - | | - | - | | - | - | | - | - | |
| OH | - | - | | - | - | | - | - | | - | - | |
| SO4 | 23.450 | 0.488 | | 35.990 | 0.749 | | 36.980 | 0.770 | | 38.450 | 0.801 | |
| S2O3 | - | - | | - | - | | - | - | | - | - | |
| HC03 | 72.266 | 1.184 | | 126.890 | 2.080 | | 140.300 | 2.300 | | 58.560 | 0.960 | |
| CO3 | - | - | | 14.130 | 0.471 | | 7.200 | 0.240 | | 10.790 | 0.360 | |
| SI02 (MG/KG)(MMOL/KG) | 52.285 | 0.871 | | 114.572 | 1.908 | | 99.286 | 1.653 | | 195.318 | 3.252 | |
| HBO2 | - | - | | - | - | | - | - | | 31.842 | 0.727 | |
| H3PO4 | - | - | | - | - | | - | - | | 0.214 | 0.002 | |
| H2SO2 | - | - | | - | - | | - | - | | - | - | |
| CO2 | 9.760 | 0.222 | | 1.000 | 0.023 | | - | - | | - | - | |
| H2S | - | - | | 3.371 | 0.099 | | - | - | | 0.783 | 0.023 | |
| IRN (*E-10 :CURTE/L) | - | - | | - | - | | - | - | | - | - | |
| INA/K | 10.239 | | | 20.927 | | | 18.976 | | | 14.471 | | |
| CA/(HC03+CO3) | 0.706 | | | 0.266 | | | 0.243 | | | 0.410 | | |
| MG/CA | 0.170 | | | 0.131 | | | 0.109 | | | 0.234 | | |
| INA/CA | 2.039 | | | 8.644 | | | 9.688 | | | 17.298 | | |
| CL/(HC03+CO3) | 1.081 | | | 1.427 | | | 1.467 | | | 3.804 | | |
| CL/F | - | | | - | | | - | | | - | | |
| CL*100/(CL+SO4+HC03+CO3) | 43.354 | | | 52.457 | | | 52.955 | | | 70.304 | | |
| SO4*100/(CL+SO4+HC03+CO3) | 16.534 | | | 10.795 | | | 10.945 | | | 11.214 | | |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 40.112 | | | 36.748 | | | 36.100 | | | 18.482 | | |
| (NA+K)*100/(NA+K+CA+MG) | 65.679 | | | 88.898 | | | 90.188 | | | 93.743 | | |
| CA*100/(NA+K+CA+MG) | 29.343 | | | 9.816 | | | 8.843 | | | 5.069 | | |
| MG*100/(NA+K+CA+MG) | 4.978 | | | 1.286 | | | 0.968 | | | 1.188 | | |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 59.888 | | | 63.252 | | | 63.900 | | | 81.518 | | |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 40.112 | | | 36.748 | | | 36.100 | | | 18.482 | | |
| (NA+K)*100/(NA+K+CA+MG) | 65.679 | | | 88.898 | | | 90.188 | | | 93.743 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 34.321 | | | 11.102 | | | 9.812 | | | 6.257 | | |

第19-2表 北アラルプ地域水質一覧表 (つづき)

| | ARC 13 | ARC 14 | ARC 15 | ARC 16 |
|----------------------------------|---------|---------|---------|---------|
| INO | 90.0 | 98.0 | 51.0 | 56.6 |
| TEMP | 468.400 | 467.600 | 354.400 | 906.500 |
| TSM | 7.80 | 7.60 | 2.40 | 2.20 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | 1.680 | 4.310 |
| K | 11.435 | 11.740 | 0.300 | 4.276 |
| INA | 116.640 | 114.400 | 4.976 | 0.370 |
| NH4 | - | - | 1.540 | 1.870 |
| CA | 15.630 | 13.920 | 0.695 | 0.067 |
| MG | 0.730 | 0.650 | 5.170 | 0.258 |
| FE | 0.220 | 0.053 | 2.430 | 0.200 |
| MN | - | 0.110 | 3.400 | 6.230 |
| ZN | - | - | 0.122 | 11.520 |
| CU | - | - | 0.060 | 0.413 |
| IPB | - | - | 0.002 | 0.010 |
| AL | 0.860 | 0.380 | - | - |
| ICL | 96.430 | 92.880 | 8.850 | 35.810 |
| BR | - | 2.720 | 1.520 | 17.020 |
| T | - | - | - | 0.480 |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 33.040 | 33.120 | - | - |
| S2O3 | - | 0.688 | - | - |
| HC03 | 140.300 | 2.300 | 3.410 | 13.391 |
| CO3 | 16.800 | 0.560 | 8.070 | 0.032 |
| SI02 (MG/KG)(MMOL/KG) | 90.685 | 1.510 | - | - |
| HB02 | - | - | 38.742 | 100.648 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | 1.391 | 1.463 | 1.128 | 0.671 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 17.346 | 16.571 | 10.912 | 8.595 |
| CA/(HC03+CC3) | 0.273 | 0.256 | - | - |
| MG/CA | 0.077 | 0.077 | 0.775 | 6.715 |
| INA/CA | 6.505 | 7.164 | 0.260 | 1.065 |
| CL/(HC03+CO3) | 0.951 | 0.964 | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HC03+CO3) | 43.402 | 43.475 | - | - |
| SO4*100/(CL+SO4+HC03+CO3) | 10.975 | 11.442 | - | - |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 45.623 | 45.084 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 86.465 | 87.583 | 13.770 | 13.358 |
| CA*100/(NA+K+CA+MG) | 12.567 | 11.529 | 48.577 | 11.230 |
| MG*100/(NA+K+CA+MG) | 0.968 | 0.888 | 37.653 | 75.412 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 54.377 | 54.916 | - | - |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 45.623 | 45.084 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 86.465 | 87.583 | 13.770 | 13.358 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.535 | 12.417 | 86.230 | 86.642 |

第19-2表 北アルプス地域水質一覧表 (つづき)

| | ARC 17 | ARC 18 | ARC 19 | ARC 20 |
|----------------------------------|---------|---------|---------|---------|
| INO | 75.0 | 60.0 | 43.5 | .48.0 |
| TEMP | 160.500 | 723.800 | 548.200 | 368.500 |
| TSM | 2.80 | 2.20 | 2.40 | 0.80 |
| PH(CFD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| H CMG/KG (MVAL/KG) | | | | |
| K | 1.089 | 3.464 | 1.930 | 1.915 |
| INA | 1.329 | 1.210 | 0.940 | 0.400 |
| INH4 | 5.500 | 6.892 | 7.520 | 68.230 |
| CA | - | - | - | - |
| MG | 8.089 | 5.900 | 16.750 | 13.960 |
| FE | 2.430 | 1.640 | 2.350 | 2.170 |
| MN | 1.300 | 4.360 | 6.150 | 0.840 |
| ZN | - | 1.100 | 0.360 | - |
| CU | 0.730 | 0.015 | - | - |
| PB | - | - | - | - |
| AL | 1.070 | 29.280 | 15.970 | 0.390 |
| CL | 30.830 | 12.762 | 21.270 | 90.750 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 111.611 | 542.967 | 322.920 | 18.950 |
| S203 | 3.206 | - | - | 6.395 |
| HCO3 | - | - | - | 1.071 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 24.482 | 130.689 | 84.769 | 61.944 |
| HB02 | - | - | - | 6.300 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | 5.280 |
| H2S | 28.090 | 0.824 | 0.320 | 0.120 |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 7.038 | 9.686 | 13.604 | 290.071 |
| CA/(HCO3+CO3) | - | - | - | 0.650 |
| MG/CA | 0.495 | 0.458 | 0.231 | 0.256 |
| INA/CA | 0.593 | 1.018 | 0.591 | 4.261 |
| CL/(HCO3+CO3) | - | - | - | 2.389 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | - | - | 63.588 |
| S04*100/(CL+S04+HCO3+CO3) | - | - | - | 9.800 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | - | 26.612 |
| (NA+K)*100/(NA+K+CA+MG) | 31.162 | 43.513 | 25.440 | 77.288 |
| CA*100/(NA+K+CA+MG) | 46.033 | 38.732 | 66.551 | 18.078 |
| MG*100/(NA+K+CA+MG) | 22.805 | 17.755 | 14.009 | 4.634 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | - | - | 73.388 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | - | - | 26.612 |
| (NA+K)*100/(NA+K+CA+MG) | 31.162 | 43.513 | 25.440 | 77.288 |
| (CA+MG)*100/(NA+K+CA+MG) | 68.838 | 56.487 | 74.560 | 22.712 |

第19-2表 北アルプス地域水質一覧表(つづき)

| | ARC 21 | ARC 22 | ARC 23 | ARC 24 |
|----------------------------------|---------|---------|----------|---------|
| INO | 64.0 | 95.0 | 68.0 | 28.0 |
| TEMP | 765.800 | 522.400 | 1245.500 | 403.200 |
| TSM | 7.00 | 3.00 | 2.80 | 7.30 |
| PH(CFD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | 1.024 | 1.016 | - |
| K | 28.806 | 0.737 | 1.122 | 8.387 |
| NA | 194.755 | 8.472 | 0.670 | 86.710 |
| NH4 | - | 6.051 | 177.140 | 3.772 |
| CA | 23.657 | 1.180 | 0.649 | 15.500 |
| MG | 3.250 | 0.267 | 0.184 | 0.773 |
| FE | 0.130 | 0.005 | 0.043 | 0.232 |
| MN | 0.200 | 0.007 | 0.045 | 0.003 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.750 | 0.083 | 0.617 | 0.121 |
| CL | 194.975 | 5.500 | 172.300 | 83.680 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| IOH | - | - | - | - |
| SO4 | 26.080 | 0.543 | 7.210 | 0.606 |
| S2O3 | - | - | 0.897 | - |
| HC03 | 281.069 | 4.607 | 0.016 | 2.040 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 114.310 | 1.903 | 467.981 | 62.621 |
| H2O2 | 13.390 | 0.306 | 15.510 | 4.230 |
| H3PO4 | - | - | - | - |
| HASO2 | - | - | - | - |
| CO2 | 45.930 | 1.044 | - | 8.500 |
| H2S | - | - | - | - |
| IRN (*E-10 CURIE/L) | - | - | - | - |
| INA/K | 11.497 | 6.199 | 11.499 | 17.581 |
| CA/(HC03+CO3) | 0.236 | - | - | 0.379 |
| MG/GA | 0.227 | 0.636 | 0.283 | 0.500 |
| INA/GA | 7.177 | 0.218 | 11.869 | 4.877 |
| CL/(HC03+CO3) | 1.194 | - | - | 1.157 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 51.646 | - | - | 47.149 |
| S04*100/(CL+S04+HC03+CO3) | 5.098 | - | - | 12.114 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 43.256 | - | - | 40.737 |
| (NA+K)*100/(NA+K+CA+MG) | 86.413 | 13.419 | 90.957 | 79.857 |
| CA*100/(NA+K+CA+MG) | 11.077 | 52.915 | 7.050 | 115.494 |
| MG*100/(NA+K+CA+MG) | 2.510 | 33.667 | 1.993 | 4.649 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 56.744 | - | - | 59.263 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 43.256 | - | - | 40.737 |
| (NA+K)*100/(NA+K+CA+MG) | 86.413 | 13.419 | 90.957 | 79.857 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.587 | 86.581 | 9.043 | 20.143 |

第19-2表 北アルプス地蔵水質一覧表(つづき)

| | APC 25 | APC 26 | APC 27 | APC 28 |
|----------------------------------|--------|---------|---------|----------|
| NO | 71.6 | 43.8 | 55.8 | 89.2 |
| TEMP | 61.200 | 606.800 | 875.000 | 8134.000 |
| TSM | 5.20 | 7.80 | 8.20 | 1.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.212 | 13.680 | 0.350 | 67.152 |
| INA | 1.060 | 120.480 | 5.241 | 85.050 |
| INH4 | - | - | 188.660 | 233.730 |
| CA | 3.430 | 16.295 | 0.813 | 2.500 |
| MG | 2.320 | 2.580 | 0.212 | 0.985 |
| FE | 0.596 | 0.171 | 0.006 | 108.170 |
| MN | 0.190 | 0.110 | 0.004 | 192.800 |
| ZN | - | - | - | 14.230 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.270 | 0.970 | 0.108 | 362.580 |
| CL | 2.130 | 175.500 | 4.951 | 4272.330 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 21.460 | 28.520 | 0.594 | 2756.521 |
| S2O3 | 0.112 | - | 3.160 | 10.090 |
| HC03 | 4.340 | 72.330 | 1.185 | 1.756 |
| C03 | - | - | 6.000 | - |
| SI02 (MG/KG)(MMOL/KG) | 17.971 | 123.511 | 2.056 | 355.563 |
| HB02 | - | 15.420 | 0.352 | - |
| H3PO4 | 0.102 | 0.158 | 0.002 | 3.092 |
| HAS02 | - | - | - | - |
| C02 | 41.200 | 2.050 | 0.047 | - |
| H2S | 0.244 | - | 0.556 | 0.510 |
| HN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 8.503 | 14.977 | 9.826 | 4.673 |
| CA/(HC03+PO3) | 2.406 | 0.686 | 0.504 | - |
| MG/CA | 1.115 | 0.261 | 0.105 | 0.661 |
| INA/CA | 0.269 | 6.445 | 8.331 | 0.769 |
| CL/(HC03+C03) | 0.845 | 4.176 | 3.703 | - |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HC03+C03) | 10.395 | 73.563 | 75.552 | - |
| SO4*100/(CL+SO4+HCC3+C03) | 77.298 | 8.823 | 4.046 | - |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 12.306 | 17.615 | 20.402 | - |
| (NA+K)*100/(NA+K+CA+MG) | 12.460 | 84.501 | 89.253 | 35.982 |
| CA*100/(NA+K+CA+MG) | 41.382 | 12.290 | 9.723 | 38.549 |
| MG*100/(NA+K+CA+MG) | 46.158 | 3.209 | 1.023 | 25.469 |
| (CL+SO4)*100/(CL+SO4+HC03+C03) | 87.694 | 82.385 | 75.598 | - |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 12.306 | 17.615 | 20.402 | - |
| (NA+K)*100/(NA+K+CA+MG) | 12.460 | 84.501 | 89.253 | 35.982 |
| (CA+MG)*100/(NA+K+CA+MG) | 87.540 | 15.499 | 10.747 | 64.018 |

第19-2表 北アルプス地域水質一覧表(つづき)

| | APC 29 | APC 30 | APC 31 | APC 32 |
|----------------------------------|---------|---------|---------|---------|
| INC | 45.2 | 53.8 | 52.6 | 87.6 |
| TEMP | 339.200 | 459.600 | 188.400 | 689.500 |
| TSM | 8.10 | 6.80 | 2.90 | 7.30 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 11.160 | 6.260 | 0.267 | 0.265 |
| NA | 76.550 | 82.880 | 0.160 | 0.680 |
| NH4 | - | - | 3.605 | 0.017 |
| CA | 12.430 | 15.540 | 0.775 | 0.331 |
| MG | - | 3.080 | 0.253 | 0.014 |
| FE | 0.060 | 0.160 | 0.006 | 0.094 |
| MN | 0.050 | 0.050 | 0.002 | 0.003 |
| ZN | - | - | - | 0.120 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.070 | 1.520 | 0.169 | 0.328 |
| CL | 77.110 | 92.200 | 2.601 | 0.080 |
| BR | - | - | - | 38.710 |
| I | - | - | - | - |
| F | - | - | - | 5.100 |
| OH | - | - | - | 0.268 |
| SO4 | 22.220 | 29.990 | 0.624 | 1.728 |
| S2O3 | - | - | - | 0.001 |
| HC03 | 100.890 | 101.260 | 1.660 | 191.500 |
| CO3 | 1.380 | - | - | 3.139 |
| STO2 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 62.106 | 87.377 | 1.455 | 183.247 |
| H3PO4 | 5.640 | 3.230 | 0.074 | 5.930 |
| HAS02 | - | 0.129 | 0.001 | 0.336 |
| CO2 | - | 0.123 | - | - |
| H2S | 0.701 | 8.000 | 0.182 | 11.000 |
| IRN (●E-10) (CURIE/L) | - | - | - | 0.250 |
| INA/K | 11.665 | 22.515 | 16.805 | 15.665 |
| CA/(HC03+CC3) | 0.365 | 0.467 | - | 0.280 |
| MG/CA | - | 0.327 | 0.042 | 0.557 |
| NA/CA | 5.369 | 4.649 | 0.884 | 6.410 |
| CL/(HC03+CC3) | 1.280 | 1.567 | - | 0.348 |
| CL/F | - | - | - | 4.068 |
| CL*100/(CL+S04+HC03+CC3) | 50.151 | 53.244 | - | 15.291 |
| S04*100/(CL+S04+HC03+CC3) | 10.666 | 12.782 | - | 40.738 |
| (HC03+CC3)*100/(CL+S04+HC03+CC3) | 39.184 | 33.974 | - | 43.951 |
| (NA+K)*100/(NA+K+CA+MG) | - | 78.539 | 47.318 | 81.411 |
| CA*100/(NA+K+CA+MG) | - | 16.174 | 50.505 | 11.939 |
| MG*100/(NA+K+CA+MG) | - | 5.287 | 2.137 | 6.650 |
| (CL+S04)*100/(CL+S04+HC03+CC3) | 60.816 | 66.026 | - | 56.049 |
| (HC03+CC3)*100/(CL+S04+HC03+CC3) | 39.184 | 33.974 | - | 43.951 |
| (NA+K)*100/(NA+K+CA+MG) | - | 78.539 | 47.318 | 81.411 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 21.461 | 52.682 | 18.589 |

第19-2表 北アラルプス地域水質一覽表 (つづき)

| NO | APC 33 | | | APC 34 | | | APC 35 | | | APC 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|--------------------|---------|--------|-------|-------|--------|----|----|----|----|----|-------|---------|--------|----|-------|-------|--------|-------|---------|-------|---------|--------|-------|-------|-------|---------------------|------|---------------|-------|-------|---------------|-------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|--------------------------|--------|
| | TEMP | TSM | PH(PD) | PH(LB) | H (MG/KG)(MVAL/KG) | K | INA | INH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | LI | F | OH | S04 | S2O3 | H003 | C03 | SI02 | HB02 | H3PO4 | HAS02 | H2S | NRN (*E-10 CURTE/L) | NA/K | CA/(HCO3+CO3) | MG/CA | NA/CA | CL/(HCO3+CO3) | CL/F | CL*100/(CL+S04+HCO3+CO3) | S04*100/(CL+S04+HCO3+CO3) | (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HCO3+CO3) | (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | (NA+K)*100/(NA+K+CA+MG) | (CA+MG)*100/(NA+K+CA+MG) | |
| | 85.6 | 667.200 | 7.60 | 7.10 | 18.870 | 165.220 | 2.245 | 3.329 | 0.190 | 0.134 | — | — | — | — | — | 0.077 | 154.600 | — | — | 2.600 | 0.007 | 58.800 | 0.023 | 193.740 | 1.143 | 104.993 | 12.614 | 0.274 | — | 4.656 | 3.453 | — | 14.889 | 0.035 | 2.445 | 64.156 | 1.357 | 31.866 | 49.566 | 13.913 | 36.521 | 95.209 | 1.391 | 3.401 | 63.479 | 36.521 | 95.209 | 4.791 |
| | 67.8 | 155.000 | 5.70 | 5.80 | 0.483 | 4.187 | 0.112 | 0.274 | 0.007 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | 73.5 | 1515.000 | 8.30 | 8.40 | 0.024 | 7.187 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | 47.3 | 705.600 | 7.90 | 7.90 | 0.483 | 4.187 | 0.112 | 0.274 | 0.007 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 17.485 | 82.515 |
| | — | — | — | — | 0.002 | 0.206 | 0.631 | 0.854 | 0.022 | 0.180 | — | — | — | — | — | 0.009 | 4.361 | 14.100 | — | 0.640 | 0.000 | 1.224 | 0.111 | 3.175 | 0.038 | 1.748 | 0.288 | 0.003 | — | 5.270 | 32.774 | — | 8.641 | 1.757 | 0.718 | 0.326 | 1.107 | 11.807 | 32.652 | 37.856 | 29.492 | 17.485 | 48.018 | 34.497 | 70.508 | 29.492 | 1 | |

第19-2表 北アルプス地域水質一覽表 (つづき)

| | APC 37 | APC 38 | APC 39 | APC 40 |
|----------------------------------|---------|---------|----------|---------|
| NO | 62.0 | 60.0 | 19.5 | 38.5 |
| TEMP | 421.800 | 574.500 | 1263.500 | 812.000 |
| TSM | 8.40 | 8.20 | 3.00 | 6.30 |
| PH(FD) | 8.50 | 9.30 | 2.85 | 6.45 |
| PH(LB) | | | | |
| H (MG/KG)(µVAL/KG) | | | | |
| K | 16.010 | 5.400 | 30.300 | 14.100 |
| NA | 48.720 | 43.500 | 199.200 | 133.000 |
| NH4 | | | | |
| CA | 32.270 | 82.800 | 0.800 | 100.900 |
| MG | 9.920 | 8.800 | 3.800 | 5.035 |
| PF | 0.120 | | 1.000 | 2.345 |
| MN | | | | 0.014 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | 1.300 | 4.400 | |
| CL | 4.440 | 0.900 | 157.800 | 39.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.040 | | | |
| S04 | 183.200 | 283.600 | 341.200 | 48.600 |
| S203 | | | | |
| HCO3 | 72.370 | 42.700 | | 72.400 |
| CO3 | 0.530 | 9.000 | | |
| SI02 (MG/KG)(MMOL/KG) | 83.690 | 79.930 | 441.117 | 103.394 |
| HR02 | | 0.900 | 23.800 | 5.500 |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 0.700 | | | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 5.175 | 13.699 | 11.180 | 16.041 |
| CA/(HC03+CO3) | 1.338 | 4.132 | | 0.424 |
| MG/CA | 0.507 | 0.175 | | 0.466 |
| NA/CA | 1.316 | 0.458 | 217.064 | 1.149 |
| CL/(HC03+CO3) | 0.104 | 0.025 | | 0.093 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 2.435 | 0.366 | | 7.867 |
| S04*100/(CL+S04+HCO3+CO3) | 74.159 | 85.206 | | 7.235 |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 23.405 | 14.428 | | 84.898 |
| (NA+K)*100/(NA+K+CA+MG) | 51.032 | 29.485 | 96.399 | 45.439 |
| CA*100/(NA+K+CA+MG) | 32.495 | 60.000 | 0.408 | 37.223 |
| MG*100/(NA+K+CA+MG) | 16.473 | 10.516 | 3.193 | 17.338 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 76.595 | 85.572 | | 15.102 |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 23.405 | 14.428 | | 84.898 |
| (NA+K)*100/(NA+K+CA+MG) | 51.032 | 29.485 | 96.399 | 45.439 |
| (CA+MG)*100/(NA+K+CA+MG) | 48.968 | 70.515 | 3.601 | 54.561 |

第19-2表 北アラスカ地域水質一覧表 (つづき)

| | APC 41 | APC 42 | APC 43 | APC 44 |
|----------------------------------|---------|---------|---------|---------|
| INO | 64.0 | 95.0 | 95.0 | 95.0 |
| TEMP | 407.500 | 731.000 | 637.500 | 962.000 |
| TSM | 7.50 | 8.10 | 8.40 | 8.40 |
| PH(PD) | 7.90 | 8.85 | 8.80 | 8.55 |
| PH(LB) | | | | |
| H (MG/KG) (LVAL/KG) | | | | |
| K | 5.700 | 0.146 | 0.123 | 0.852 |
| NA | 86.700 | 3.771 | 6.851 | 8.648 |
| INH4 | | 9.400 | 4.800 | 33.300 |
| CA | 22.700 | 174.500 | 157.500 | 198.800 |
| MG | 2.600 | 1.133 | 8.600 | 14.900 |
| FE | 0.050 | 0.469 | 0.429 | 0.744 |
| MN | | 0.140 | 0.115 | 0.123 |
| ZN | | 0.002 | 0.002 | 0.004 |
| CU | | | | |
| PB | | | | |
| AL | 1.100 | 0.122 | 0.122 | 0.167 |
| CL | 27.500 | 0.776 | 1.949 | 2.302 |
| BR | | 70.900 | 69.100 | 81.600 |
| I | | | | |
| F | | | | |
| IOH | | | | |
| S04 | 55.600 | 1.158 | 113.600 | 133.800 |
| S203 | | | | |
| HC03 | 199.800 | 3.275 | 157.400 | 293.100 |
| CO3 | | 6.000 | 20.100 | 17.100 |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| H02 | 85.392 | 1.422 | 112.933 | 315.259 |
| H3PO4 | 1.800 | 0.041 | 5.500 | 7.100 |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 7.700 | 0.175 | | |
| IN (*E-10 CURIE/L) | | | | |
| INA/K | | 31.569 | 55.799 | 10.152 |
| CA/(HC03+CO3) | 25.866 | 0.110 | 0.132 | 0.138 |
| MG/CA | 0.346 | 0.189 | 0.268 | 0.166 |
| NA/CA | 3.330 | 16.183 | 15.965 | 11.631 |
| CL/(HC03+CO3) | 0.237 | 0.471 | 0.600 | 0.428 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 14.896 | 23.076 | 25.770 | 22.004 |
| S04*100/(CL+S04+HC03+CO3) | 22.227 | 27.889 | 31.268 | 26.628 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 62.878 | 49.035 | 42.962 | 51.368 |
| (NA+K)*100/(NA+K+CA+MG) | 74.417 | 92.785 | 92.760 | 51.637 |
| CA*100/(NA+K+CA+MG) | 21.519 | 5.557 | 5.708 | 7.172 |
| MG*100/(NA+K+CA+MG) | 4.065 | 1.657 | 1.532 | 1.191 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 37.122 | 50.965 | 57.038 | 48.632 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 62.878 | 49.035 | 42.962 | 51.368 |
| (NA+K)*100/(NA+K+CA+MG) | 74.417 | 92.785 | 92.760 | 51.637 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.583 | 7.215 | 7.240 | 8.363 |

第19-2表 北アラルプス地底水質一覧表 (つづき)

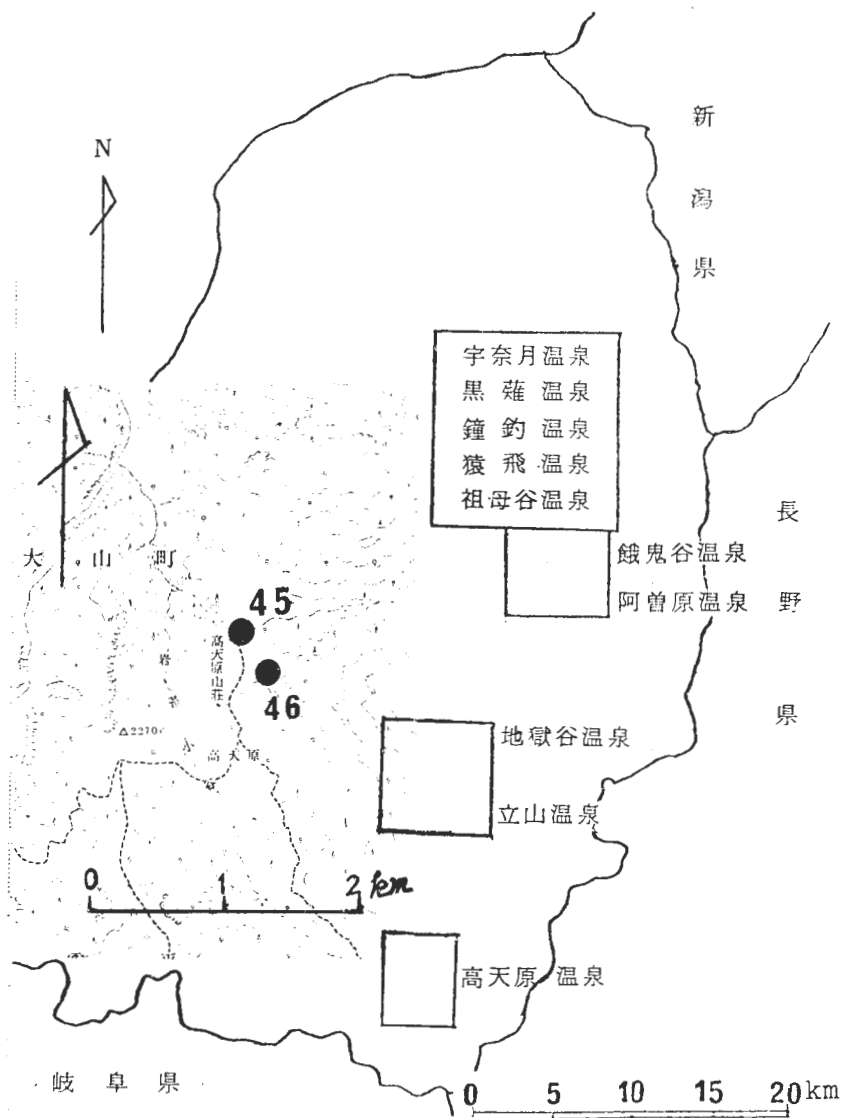
| | APC 45 | | APC 46 | |
|----------------------------------|---------|---------|---------|--------|
| NO | | | | |
| TEMP | 54.6 | 55.0 | | |
| TSM | 449.500 | 454.800 | | |
| PH(FD) | 6.10 | 6.00 | | |
| PH(LR) | - | 6.10 | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 14.110 | 0.361 | 14.010 | 0.358 |
| NA | 107.790 | 4.689 | 102.560 | 4.479 |
| NH4 | | | | |
| CA | 8.460 | 0.422 | 7.470 | 0.373 |
| MG | 1.460 | 0.120 | 0.790 | 0.065 |
| FE | 0.060 | 0.002 | 0.240 | 0.009 |
| MN | 0.130 | 0.005 | 0.240 | 0.009 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| BP | - | - | - | - |
| AL | 0.450 | 0.050 | - | - |
| CL | 66.360 | 1.872 | 68.790 | 1.941 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 4.300 | 0.226 | 3.800 | 0.200 |
| OH | - | - | - | - |
| SO4 | 14.880 | 0.310 | 15.140 | 0.315 |
| S2O3 | - | - | - | - |
| HC03 | 195.840 | 3.210 | 172.100 | 2.821 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HBC2 | 62.367 | 1.038 | 79.331 | 1.321 |
| H3F04 | 1.200 | 0.027 | 5.950 | 0.136 |
| HAS02 | 0.031 | 0.000 | 0.060 | 0.001 |
| CO2 | 50.550 | 1.148 | 413.700 | 9.399 |
| H2S | 4.280 | 0.126 | 3.197 | 0.094 |
| IRN (*F-10 :CURIE/L) | - | - | - | - |
| INA/K | 12.991 | 12.497 | 12.497 | 12.497 |
| CA/(HC03+CO3) | 0.132 | 0.132 | 0.132 | 0.132 |
| MG/CA | 0.285 | 0.174 | 0.174 | 0.174 |
| INA/CA | 11.107 | 12.015 | 12.015 | 12.015 |
| CL/(HC03+CO3) | 0.583 | 0.688 | 0.688 | 0.688 |
| CL/F | 8.270 | 9.701 | 9.701 | 9.701 |
| CL*100/(CL+SO4+HC03+CO3) | 34.721 | 38.226 | 38.226 | 38.226 |
| SO4*100/(CL+SO4+HC03+CO3) | 5.746 | 6.209 | 6.209 | 6.209 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 59.533 | 55.564 | 55.564 | 55.564 |
| (NA+K)*100/(NA+K+CA+MG) | 90.302 | 91.701 | 91.701 | 91.701 |
| CA*100/(NA+K+CA+MG) | 7.549 | 7.067 | 7.067 | 7.067 |
| MG*100/(NA+K+CA+MG) | 2.148 | 1.232 | 1.232 | 1.232 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 40.467 | 44.436 | 44.436 | 44.436 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 59.533 | 55.564 | 55.564 | 55.564 |
| (NA+K)*100/(NA+K+CA+MG) | 90.302 | 91.701 | 91.701 | 91.701 |
| (CA+MG)*100/(NA+K+CA+MG) | 9.698 | 8.299 | 8.299 | 8.299 |

第19-3表 北アルプス地域特定成分含量の頻度分布表

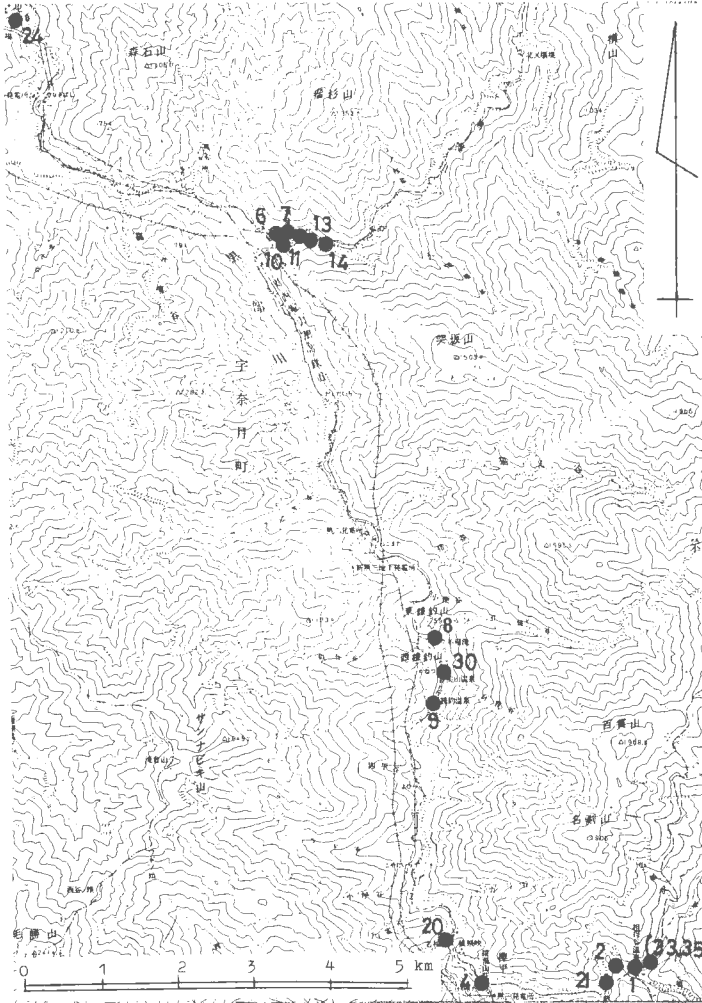
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| Zn | | | | Cu | | | |
|----------|----|-------|--------|---|-------|--|------|
| | N | F(%) | | N | F(%) | | F(%) |
| IND | 46 | 100.0 | IND | 43 | 93.5 | | |
| <0.500 | 0 | 0. | <0.300 | 1 | 2.2 | | |
| <1.000 | 0 | 0. | <3.000 | 1 | 2.2 | | |
| >1.000 | 0 | 0. | >3.000 | 1 | 2.2 | | |
| TOTAL | 46 | 100.0 | TOTAL | 46 | 100.0 | | |
| PB | | | | AS | | | |
| | N | F(%) | | N | F(%) | | F(%) |
| IND | 46 | 100.0 | IND | 43 | 93.5 | | |
| <0.100 | 0 | 0. | <0.050 | 0 | 0. | | |
| <1.000 | 0 | 0. | <0.500 | 3 | 6.5 | | |
| >1.000 | 0 | 0. | <5.000 | 0 | 0. | | |
| | | | >5.000 | 0 | 0. | | |
| TOTAL | 46 | 100.0 | TOTAL | 46 | 100.0 | | |
| H2S | | | | N= NUMBER OF SAMPLES F= FREQUENCY(%) | | | |
| | N | F(%) | | N | F(%) | | F(%) |
| IND | 22 | 47.8 | | | | | |
| < 1.000 | 7 | 15.2 | | | | | |
| < 10.000 | 12 | 26.1 | | | | | |
| <100.000 | 5 | 10.9 | | | | | |
| >100.000 | 0 | 0. | | | | | |
| TOTAL | 46 | 100.0 | | | | | |

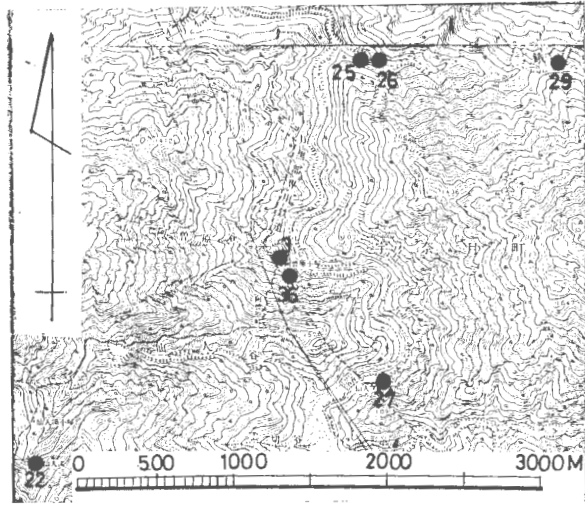
第19-1図 北アルプス地域における温泉の分布および試料採取地（左中央，高天原温泉）



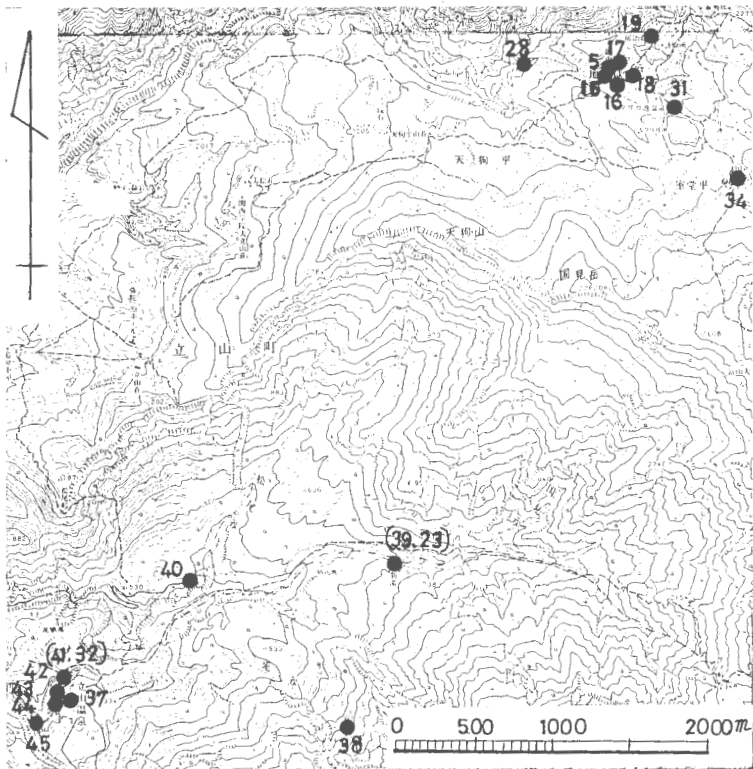
第19-2図 試料採取地（宇奈月，黒薙，鐘釣，猿飛，祖母谷温泉）



第19-3圖 試料採取地(餓鬼谷, 阿曾原温泉)



第19-4圖 試料採取地(立山, 地獄谷, 立山新湯温泉)

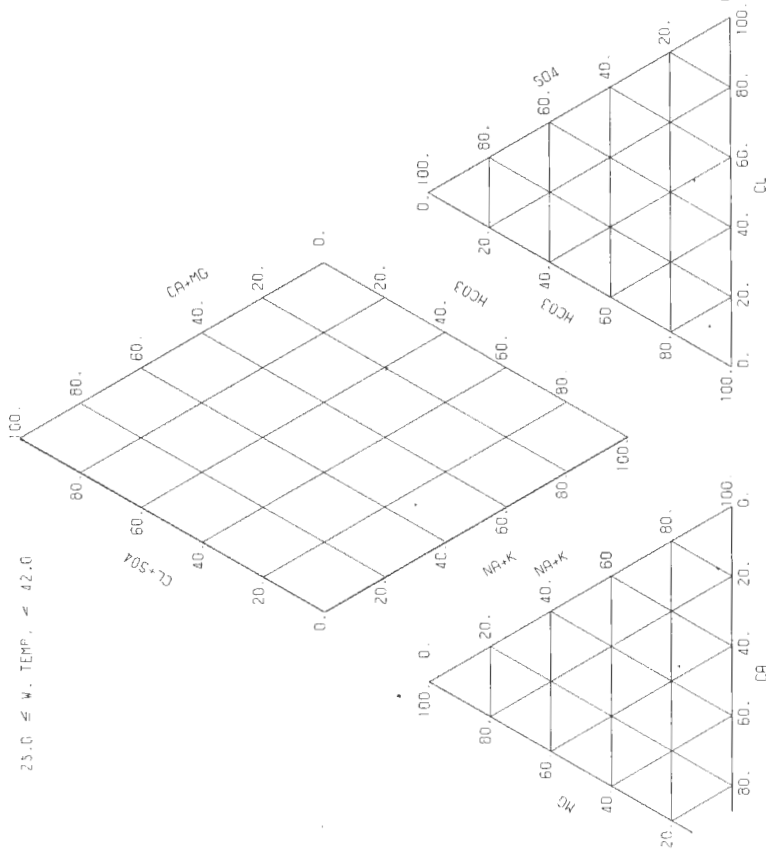


第19-5図 北アルプス地域水質組成図 (その1) (水温25℃以上42℃未満)

KITA ALPS

AREA CODE APC

25.0 ≦ W. TEMP. < 42.0

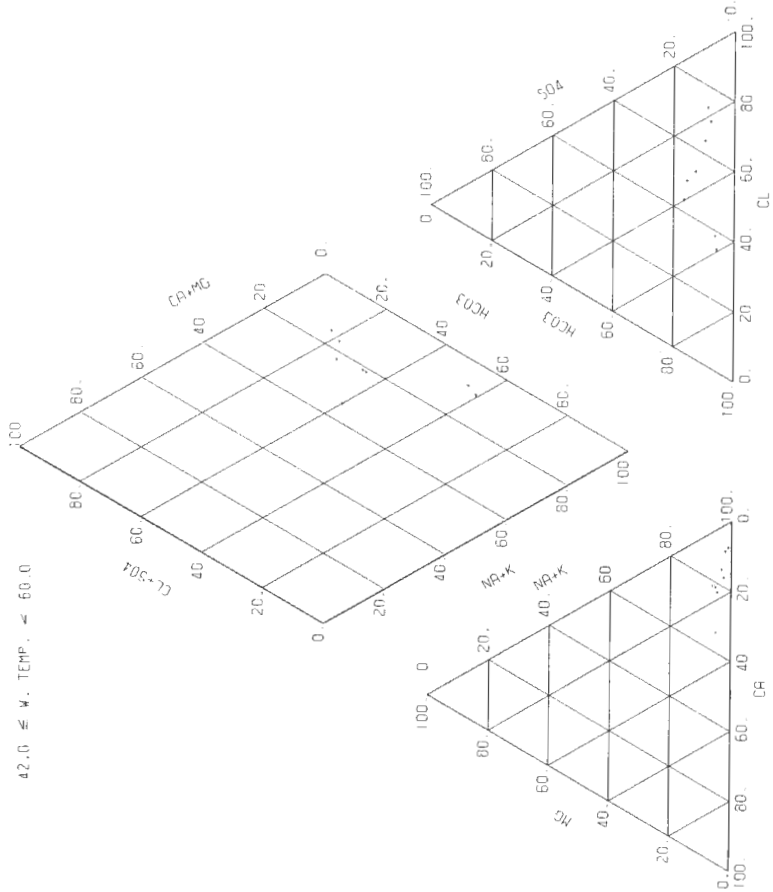


第19-5図 北アルプス地域水質組成図 (その2) (水温42℃以上60℃未満)

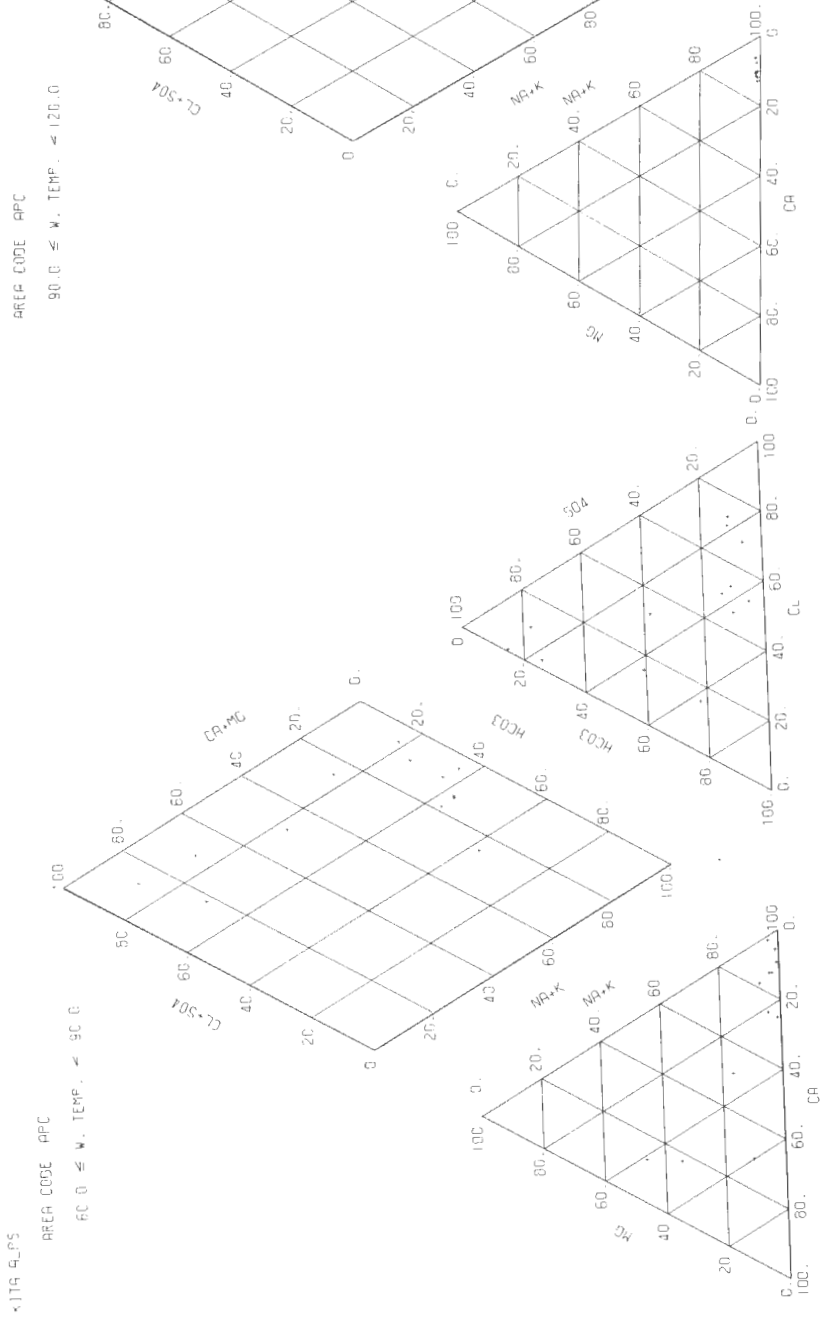
KITA ALPS

AREA CODE APC

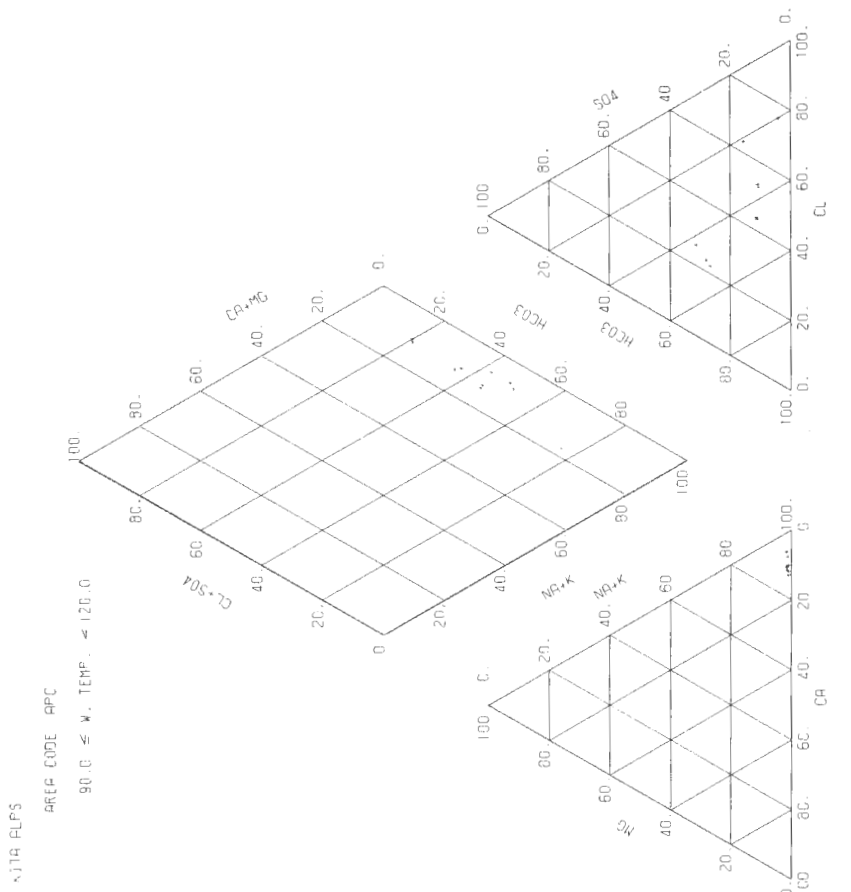
42.0 ≦ W. TEMP. < 60.0



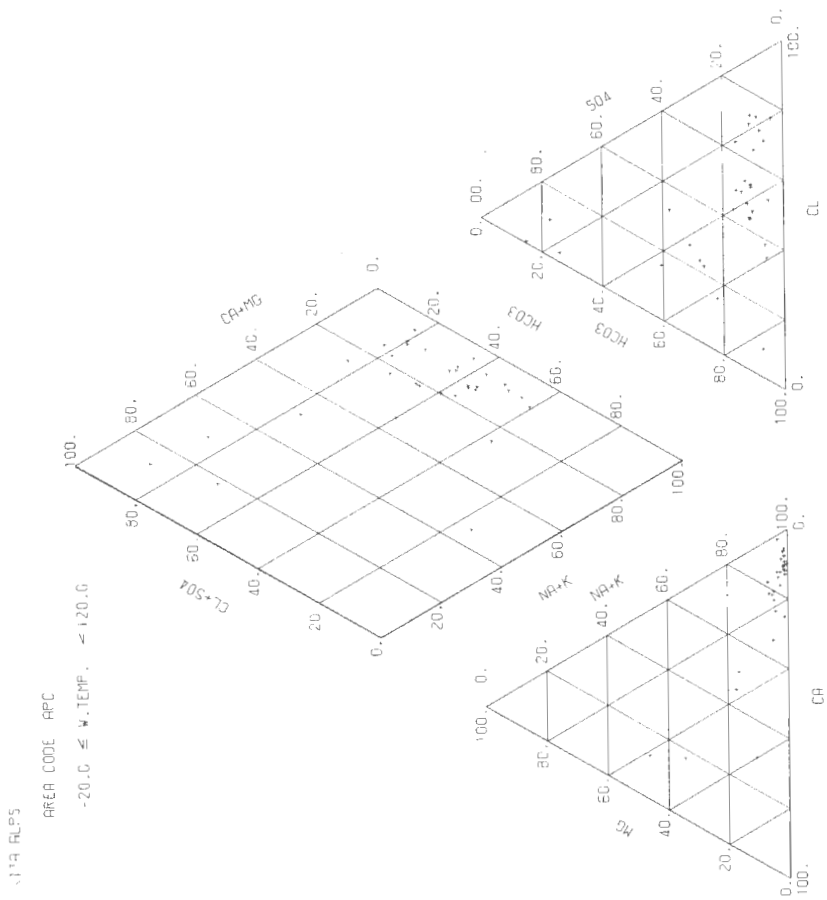
第19-5図 北アルプス地域水質組成図 (その3) (水温60℃以上90℃未満)



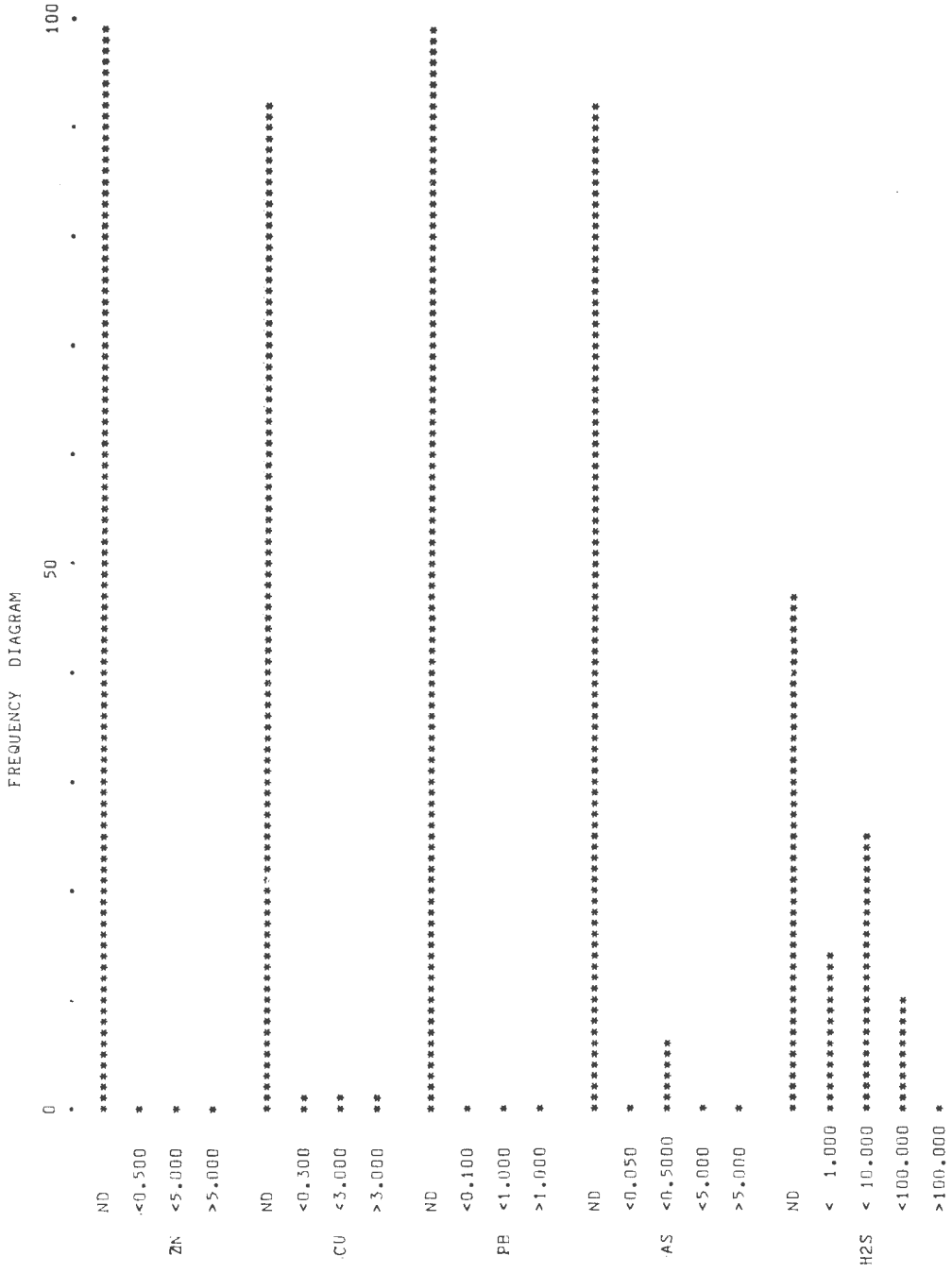
第19-5図 北アルプス地域水質組成図 (その4) (水温90℃以上120℃未満)



第19-5図 北アルプス地域水質組成図(その5) (全試料)



第19-6図 北アラス地域特記成分含量の頻度分布図

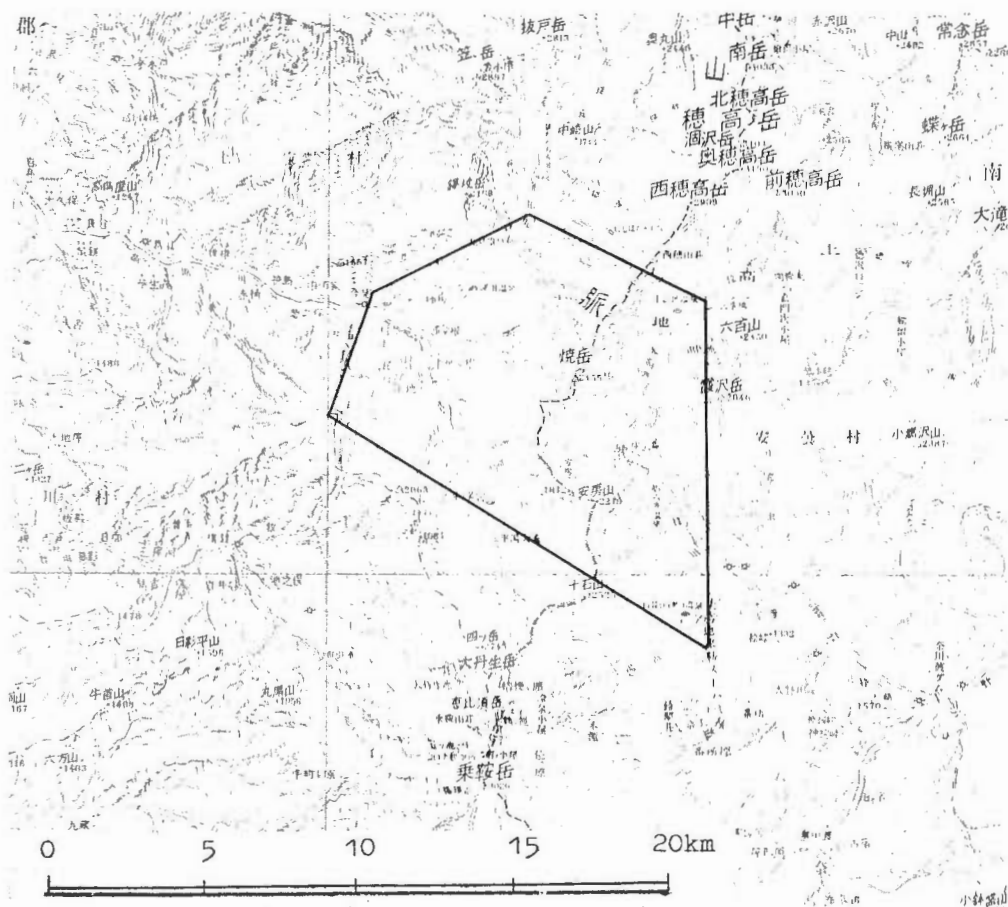


20. 焼岳

Yakedake

| | |
|-------|--------------------------------------|
| 位置 | 長野県南安曇郡安曇村，岐阜県吉城郡上宝村 |
| データ数 | 56 |
| 収集・整理 | 永田松三・池田喜代治 |
| 協力 | 長野県衛生公害研究所，同南安曇郡安曇村，岐阜県衛生研究所，同吉城郡上宝村 |

調査位置図（20万分の1地勢図 高山）



第20-1表 焼岳地域試料一覽表

| No. | 産 | 地 | 温 | 源 | 名 | 泉 | 名 | 報告年月日 | 文献 no. | 文献中の 試料 no. | 備 | 考 |
|-------|--------------------|---|---|---|------------------|----------|---|------------|-----------|----------------|----------|-------------|
| YKC-1 | 岐阜県吉城郡上宝村神坂市平710の3 | | 新 | 高 | 奥飛騨光開発2号 | | | 1967. 5.23 | 9 | 242 | D=74.6m, | Q=86//m, P |
| " | " | " | " | " | " | | | 1956. 1.28 | 10 | 146 | | Q=140//m, F |
| " | " | " | " | " | 神坂湯のさこ720地先 | | | 1965. 7.20 | 9 | 207 | D=70m, | Q=2.6//m, F |
| " | " | " | " | " | 神坂20の1 | | | 1969.10.16 | " | 290 | | Q=108//m, F |
| " | " | " | " | " | 神坂保高岳外国有林内 | | | 1964. 6.19 | " | 185 | D=15m, | Q=80//m, F |
| " | " | " | " | " | " | 国有林66班のロ | | 1958. 7. 5 | 10 | 115 | | Q=105//m, F |
| " | " | " | " | " | 神坂湯のさこ保高岳外国有林内 | | | " | 9 | 184 | | Q=135//m, F |
| " | " | " | " | " | 中尾下野谷442の15 | | | 1972. 1.21 | 10 | 312 | | Q=910//m, F |
| " | " | " | " | " | 中尾土垣内352 | | | " | " | 321 | | (蒸気泉), F |
| " | " | " | " | " | 中尾空山437の5 | | | 1964.10.15 | 9 | 192 | D=200m, | (蒸気泉), F |
| " | " | " | " | " | " | | | 1967.10.25 | " | 255 | D=200m, | (蒸気泉), F |
| " | " | " | " | " | 中尾野尻坂4 | | | " | 10.25 | " | D=150m, | Q=480//m, P |
| " | " | " | " | " | 神坂モイケ565の1 | | | " | 5.22 | " | D=60m, | Q=220//m, P |
| " | " | " | " | " | " | | | " | " | 241 | | |
| " | " | " | " | " | 神坂440の2 | | | 1966. 2.24 | " | 220 | D=64m, | Q=400//m, P |
| " | " | " | " | " | 福地下島201 | | | 1958. 4.15 | " | 15 | | F |
| " | " | " | " | " | 福地下河原339 | | | 1961.10.31 | " | 132 | D=25m, | Q=285//m, F |
| " | " | " | " | " | 福地シオカソレ213の11 | | | " | 10.30 | " | D=45m, | Q=210//m, F |
| " | " | " | " | " | 一重が根 | | | 1950. 5.30 | " | 11 | | |
| " | " | " | " | " | 一重が根マセトウ2286の186 | | | 1958.10.23 | " | 162 | | |
| " | " | " | " | " | 一重が根 | | | 1966. 5.25 | " | 225 | D=240m, | Q=40//m, F |
| " | " | " | " | " | 2286の186 | | | 1961. 4.18 | " | 118 | D=197m, | Q=200//m, F |
| " | " | " | " | " | 2286の186 | | | 1967.10.24 | " | 251 | D=264m, | Q=400//m, P |
| " | " | " | " | " | 2286の132 | | | 1963.10.23 | " | 163 | D=226m, | Q=200//m, F |
| " | " | " | " | " | 2286の129 | | | 1966. 2.24 | " | 221 | D=300m, | Q=300//m, F |
| " | " | " | " | " | 2286の134 | | | 1953. 8.12 | " | 2 | | F |
| " | " | " | " | " | 平湯落台322 | | | 1966. 2.24 | " | 223 | D=2m, | Q=154//m, F |
| " | " | " | " | " | 平湯わたなだ244 | | | " | 2.23 | " | | F |
| " | " | " | " | " | 平湯289 | | | " | " | 224 | | F |
| " | " | " | " | " | 平湯野畑99 | | | 1964.10.14 | " | 191 | D=165m, | Q=180//m, F |
| " | " | " | " | " | 平湯中之切463 | | | 1954.10.14 | " | 7 | | F |
| " | " | " | " | " | 平湯清水166の2 | | | 1961. 6.16 | " | 126 | D=143m, | Q=58//m, F |
| " | " | " | " | " | " | 162 | | 1954.10.14 | " | 5 | | F |
| " | " | " | " | " | " | 116 | | 1960. 6.28 | " | 8 | D=72m, | Q=120//m, F |
| " | " | " | " | " | 平湯湯上22の2 | | | 1953. 8.12 | " | 3 | | F |
| " | " | " | " | " | " | 60 | | 1954.10.14 | " | 4 | | F |
| " | " | " | " | " | 平湯おぼこ原64の1 | | | 1953. 8.12 | " | 1 | | F |
| " | " | " | " | " | 平湯湯下682 | | | 1966. 2.23 | " | 222 | D=61m, | Q=380//m, P |

| No. | 産 | 地 | 温泉名 | 源泉名 | 源泉 | 源泉名 | 報告年月日 | 文献no. | 文献中の 資料no. | 備 | 考 |
|--------|------------------------|---|-----|-----|-------|-----|----------------|-------|---------------|------------|------------|
| YKC-37 | 岐阜県吉城郡上宝村平湯家上651 | | 平 | 湯 | 家上 | の湯 | 1964. 6. 17 | 9 | 181 | D=164m, | Q=135l/m |
| "-38 | " " " " 628の1 | | " | " | ターミナル | の湯 | 1969. 10. 15 | " | 288 | D=107m, | Q=300l/m |
| "-39 | " " " " 平湯湯の平763の1 | | " | " | 神岡鉱業所 | | 1961. 6. 15 | " | 127 | D=150m, | Q=58l/m |
| "-40 | 長野県南安曇郡安曇村上高地湯川国有林4469 | | 上 | 高地 | 清水 | 屋 | (1950. 9. 28) | 40 | 26 | D=1.5m, | Q=20l/m, P |
| "-41 | " " " " " 国有林4468 | | " | " | 温泉 | ホテル | (" 9. 28) | " | 26 | D=1.5m, | Q=60l/m, P |
| "-42 | " " " " " " | | 中 | の湯 | 朴伝 | の湯 | (1953. 2. 16) | " | 28 | Q=30.4l/m, | F |
| "-43 | " " " " " " | | " | " | 中の湯 | 内湯 | (1971. 1. 20) | " | 46-68 | Q=145l/m, | F |
| "-44 | " " " " " " | | " | " | 野天風呂 | 1号 | (1964. 10. 9) | " | 39-37 | Q=12l/m, | F |
| "-45 | " " " " " 国有林125 | | 坂 | 巻 | 坂 | 巻 | (1960. 4. 12) | " | 35-4 | Q=60.5l/m, | F |
| "-46 | " " " " " 4195の2 | | 白 | 骨 | 湯元 | 1号 | (1964. 11. 10) | " | 39-39 | Q=28l/m, | F |
| "-47 | " " " " " 4202の2 | | " | " | 湯元 | 2号 | (1973. 4. 16) | " | 48-8 | Q=9l/m, | F |
| "-48 | " " " " " 4202 | | " | " | 湯元 | 3号 | (" 4. 16) | " | 48-7 | Q=35l/m, | F |
| "-49 | " " " " " 4195の6 | | " | " | わた | たの湯 | (1965. 7. 3) | " | 40-34 | Q=17l/m, | F |
| "-50 | " " " " " 4202の3 | | " | " | 大石 | 館 | (1973. 5. 31) | " | 48-19 | Q=86.4l/m, | F |
| "-51 | " " " " " 4195の5 | | " | " | 大石 | 館2号 | (" 5. 31) | " | 48-21 | Q=54l/m, | F |
| "-52 | " " " " " 4199の2 | | " | " | 蛇 | 穴 | (1968. 6. 5) | " | 43-8 | Q=39.6l/m, | F |
| "-53 | " " " " " 4206の2 | | " | " | 奥 | 田 | (1973. 5. 31) | " | 48-20 | Q=97.2l/m, | F |
| "-54 | " " " " " 4201の1 | | " | " | 新宅 | 新1号 | (1966. 9. 2) | " | 41-11 | Q=126l/m, | F |
| "-55 | " " " " " 4201の3 | | " | " | 新宅 | 旧 | (" 9. 2) | " | 41-10 | Q=19.6l/m, | F |
| "-56 | " " " " " 4181の1 | | " | " | 新泡 | の湯 | (1961. 11. 14) | " | 36-34 | Q=2700l/m, | F |

源泉名の () は申請者名, 報告年月日の () は依頼年月日, 備考のDは深度 (m), Qは湧 (揚) 水量 (l/m), Fは自噴, Pはポンプ揚水を示す。

第20-2表 烧岳地域水質一覽表

| | YKC 1 | YKC 2 | YKC 3 | YKC 4 |
|----------------------------------|---------|---------|---------|---------|
| NO | 67.0 | 94.5 | 79.0 | 51.0 |
| TEMP | 542.000 | 743.100 | 771.900 | 351.000 |
| TSM | 8.00 | 7.60 | 6.30 | 6.40 |
| PH(FD) | - | - | 6.70 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 15.010 | 16.820 | 0.001 | 9.513 |
| NA | 117.600 | 165.200 | 25.430 | 71.100 |
| NH4 | - | 7.186 | 0.103 | - |
| CA | 15.920 | 24.090 | 28.020 | 13.740 |
| MG | 0.501 | 0.997 | 1.803 | 0.686 |
| FE | 0.130 | 0.436 | 0.060 | 0.129 |
| MN | 0.225 | 0.052 | 0.060 | 0.002 |
| ZN | - | - | 0.018 | 0.004 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.030 | - | - | 0.005 |
| CL | 137.600 | 184.600 | 192.300 | 86.530 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 3.875 | 4.800 | 6.507 | 2.268 |
| OH | 0.017 | 0.034 | 0.002 | 0.119 |
| S04 | 26.360 | 35.450 | 28.240 | 25.260 |
| S203 | - | - | - | - |
| HC03 | 92.930 | 163.500 | 170.900 | 65.530 |
| CO3 | 0.558 | 1.986 | - | 1.074 |
| SI02 (MG/KG) (MMOL/KG) | 113.617 | 91.125 | 201.463 | 104.993 |
| HB02 | 7.946 | 10.870 | 11.053 | 3.760 |
| H3PO4 | - | - | 0.020 | - |
| HAS02 | 0.026 | 0.043 | 0.000 | - |
| CO2 | 2.231 | 2.024 | 205.400 | 63.020 |
| H2S | 1.772 | 1.736 | 8.397 | 2.423 |
| RN (*E-10 CURIE/L) | - | - | 15.320 | 11.280 |
| NA/K | 13.323 | 16.702 | 10.880 | 12.710 |
| CA/(HC03+CO3) | 0.515 | 0.425 | 0.499 | 0.638 |
| MG/CA | 0.052 | 0.068 | 0.106 | 0.187 |
| NA/CA | 6.440 | 5.978 | 5.062 | 4.511 |
| CL/(HC03+CO3) | 2.518 | 1.841 | 1.937 | 2.273 |
| CL/F | 19.030 | 20.610 | 15.837 | 20.446 |
| CL*100/(CL+S04+HC03+CO3) | 64.996 | 59.355 | 61.549 | 60.407 |
| S04*100/(CL+S04+HC03+CO3) | 9.189 | 8.412 | 6.871 | 13.015 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 25.815 | 32.232 | 31.780 | 26.579 |
| (NA+K)*100/(NA+K+CA+MG) | 86.810 | 85.572 | 83.325 | 80.383 |
| CA*100/(NA+K+CA+MG) | 12.540 | 13.506 | 15.076 | 16.520 |
| MG*100/(NA+K+CA+MG) | 0.651 | 0.922 | 1.600 | 3.097 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 74.185 | 67.768 | 68.220 | 73.421 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 25.815 | 32.232 | 31.780 | 26.579 |
| (NA+K)*100/(NA+K+CA+MG) | 86.810 | 85.572 | 83.325 | 80.383 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.190 | 14.428 | 16.675 | 19.617 |

第20-2表 焼岳地域水質一覧表(つづき)

| NO | YKC 5 | YKC 6 | YKC 7 | YKC 8 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 95.0 | 89.0 | 58.8 | 52.0 |
| TSM | 700.800 | 721.000 | 435.100 | 453.100 |
| PH(FD) | 7.40 | 7.20 | 6.60 | - |
| PH(LB) | 7.50 | 7.40 | 6.60 | 8.00 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 20.770 | 16.660 | 15.520 | 10.510 |
| NA | 155.200 | 155.000 | 92.630 | 111.000 |
| NH4 | 0.373 | - | 0.042 | - |
| CA | 20.850 | 22.630 | 18.230 | 19.820 |
| MG | 6.019 | 0.859 | 0.071 | 0.381 |
| FE | 0.020 | 1.650 | 4.625 | 1.552 |
| MN | 0.200 | 0.150 | 0.090 | 0.541 |
| ZN | - | - | 0.401 | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 155.800 | 156.400 | 97.010 | 100.700 |
| BR | - | - | 2.737 | 2.841 |
| I | - | - | - | - |
| F | 5.006 | 1.500 | 2.879 | 4.406 |
| OH | 0.004 | - | 0.079 | 0.232 |
| S04 | 30.650 | 13.030 | 15.000 | 0.001 |
| S203 | - | - | 0.271 | 19.320 |
| HC03 | 216.400 | 220.500 | 152.700 | 77.700 |
| C03 | 0.331 | - | 0.042 | 1.044 |
| ST02 (MG/KG)(MMOL/KG) | 161.204 | 176.631 | 120.574 | 89.141 |
| HB02 | 9.449 | 31.530 | 0.720 | - |
| H3P04 | - | - | 5.435 | - |
| HAS02 | - | - | - | - |
| C02 | 20.810 | 22.750 | 0.517 | 4.269 |
| H2S | 5.197 | 2.726 | 0.080 | 0.272 |
| RN (*E-10 CURIE/L) | 54.990 | - | 5.910 | 1.320 |
| NA/K | 12.707 | 15.821 | 10.150 | 17.960 |
| CA/(HC03+C03) | 0.294 | 0.312 | 0.363 | 0.756 |
| MG/CA | 0.474 | 0.063 | 0.418 | 0.129 |
| NA/CA | 6.458 | 5.971 | 4.429 | 4.882 |
| CL/(HC03+C03) | 1.235 | 1.221 | 1.093 | 2.171 |
| CL/F | 16.679 | 55.877 | 18.058 | 12.248 |
| CL*100/(CL+S04+HC03+C03) | 51.159 | 53.174 | 49.281 | 62.416 |
| S04*100/(CL+S04+HC03+C03) | 7.428 | 3.270 | 5.624 | 8.838 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 41.413 | 43.556 | 45.095 | 28.746 |
| (NA+K)*100/(NA+K+CA+MG) | 82.538 | 85.662 | 77.430 | 82.029 |
| CA*100/(NA+K+CA+MG) | 11.803 | 13.494 | 15.913 | 15.916 |
| MG*100/(NA+K+CA+MG) | 5.614 | 0.845 | 6.658 | 2.055 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 58.587 | 56.444 | 54.905 | 71.254 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 41.413 | 43.556 | 45.095 | 28.746 |
| (NA+K)*100/(NA+K+CA+MG) | 42.538 | 85.662 | 77.430 | 82.029 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.462 | 14.338 | 22.570 | 17.971 |

第 20-2 表 機匠地蔵水質一覽表 (つづき)

| | YKC 9 | YKC 10 | YKC 11 | YKC 12 |
|----------------------------------|---------|---------|--------|---------|
| NO | 72.0 | 60.8 | 87.0 | 58.5 |
| TEMP | 126.000 | 77.500 | 59.090 | 516.700 |
| TSM | — | 5.70 | 6.00 | 7.00 |
| PH(FD) | 5.70 | — | — | — |
| PH(LLB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | 0.002 | 0.002 | 0.001 | 0.0 |
| K | 2.105 | 1.352 | 1.035 | 10.010 |
| NA | 15.540 | 10.770 | 2.459 | 133.900 |
| NH4 | 0.231 | 1.546 | 0.581 | 0.032 |
| CA | 7.278 | 6.790 | 8.110 | 19.750 |
| MG | 0.822 | 1.713 | 1.136 | 0.405 |
| FE | 0.401 | 0.140 | 0.070 | 0.093 |
| MN | — | — | — | 0.003 |
| ZN | — | — | — | — |
| CU | 0.018 | — | — | — |
| PB | — | — | — | — |
| PR | — | — | — | — |
| AL | — | — | — | — |
| CL | 14.290 | 0.697 | 0.614 | 100.700 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | 1.023 | 0.200 | — | 3.254 |
| OH | — | — | — | 0.171 |
| S04 | 21.250 | 8.407 | 4.323 | 0.002 |
| S203 | — | — | — | 16.270 |
| HC03 | 5.150 | 50.530 | 34.100 | 232.000 |
| C03 | — | — | 0.006 | 0.180 |
| SI02 (MG/KG) (MMOL/KG) | 30.067 | 20.933 | 18.069 | 87.649 |
| HR02 | 0.342 | — | — | 6.145 |
| H3PO4 | 0.128 | — | — | — |
| HAS02 | — | — | — | — |
| C02 | 24.750 | 242.500 | 81.990 | 0.000 |
| H2S | 2.165 | 0.589 | 0.017 | 55.760 |
| RN (*F-10 CURIE/L) | 12.790 | — | — | — |
| NA/K | 12.554 | 13.547 | 4.040 | 22.748 |
| CA/(HC03+C03) | 4.303 | 0.409 | 0.724 | 0.259 |
| MG/CA | 0.186 | 0.416 | 0.231 | 0.116 |
| NA/CA | 1.861 | 1.583 | 0.264 | 5.910 |
| CL/(HC03+C03) | 4.776 | 0.024 | 0.031 | 0.746 |
| CL/F | 7.486 | 1.868 | — | 16.584 |
| CL*100/(CL+S04+HC03+C03) | 43.348 | 1.922 | 2.599 | 40.652 |
| S04*100/(CL+S04+HC03+C03) | 47.575 | 17.112 | 13.519 | 4.847 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.077 | 80.966 | 83.882 | 54.501 |
| (NA+K)*100/(NA+K+CA+MG) | 52.882 | 51.185 | 21.127 | 84.684 |
| CA*100/(NA+K+CA+MG) | 31.290 | 34.673 | 64.072 | 13.725 |
| MG*100/(NA+K+CA+MG) | 5.828 | 14.542 | 14.800 | 1.591 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90.923 | 19.034 | 16.118 | 45.499 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.077 | 80.966 | 83.882 | 54.501 |
| (NA+K)*100/(NA+K+CA+MG) | 62.842 | 51.185 | 21.127 | 84.684 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.118 | 48.815 | 78.873 | 15.316 |

第 20-2 表 硫岳地蔵水質一覽表 (つづき)

| | YKC 17 | YKC 18 | YKC 19 | YKC 20 |
|----------------------------------|----------|---------|----------|----------|
| NO | 65.0 | 19.5 | 18.3 | 98.0 |
| TEMP | 1923.000 | 484.600 | 435.000 | 1741.000 |
| TSM | 7.60 | 5.60 | 5.30 | 8.00 |
| PH(FD) | 6.95 | 6.70 | 5.70 | 8.10 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL./KG) | | | | |
| K | 57.480 | 0.959 | 0.009 | 71.020 |
| NA | 506.300 | 23.916 | 3.379 | 435.100 |
| NH4 | 10.630 | 0.589 | 0.631 | 18.927 |
| CA | 117.000 | 5.883 | 3.675 | 0.804 |
| MG | 23.480 | 1.932 | 2.065 | 0.571 |
| FE | 1.130 | 0.042 | 0.281 | 0.003 |
| MN | 0.050 | 0.002 | 0.013 | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | 0.850 | 0.013 | |
| CL | 334.200 | 9.423 | 69.230 | 434.100 |
| BR | | | | 12.246 |
| I | | | | |
| F | | | | |
| OH | 0.007 | 0.000 | | 0.226 |
| S04 | 5.798 | 0.121 | | 0.001 |
| S203 | | | 21.320 | 0.874 |
| HC03 | 1474.000 | 24.159 | 247.700 | 534.800 |
| C03 | 3.361 | 0.112 | | 3.174 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 179.028 | 2.981 | 48.889 | 337.004 |
| H3PO4 | 61.316 | 1.399 | 1.497 | 46.325 |
| HAS02 | | | 0.010 | 1.303 |
| C02 | | | 0.087 | 0.013 |
| H2S | 23.640 | 1.900 | 2977.000 | 12.860 |
| | | | 2.566 | 0.292 |
| RN (*E=10 CURIE/L) | | 4.400 | | 0.763 |
| NA/K | 34.939 | 33.039 | 7.297 | 10.418 |
| CA/(HC03+C03) | 0.242 | 0.757 | 0.905 | 0.091 |
| MG/CA | 0.328 | 0.181 | 0.562 | 0.461 |
| NA/CA | 4.065 | 0.108 | 0.172 | 23.530 |
| CL/(HC03+C03) | 0.388 | 0.040 | 0.481 | 1.380 |
| CL/F | | | | 54.089 |
| CL*100/(CL+S04+HC03+C03) | 27.877 | 3.829 | 30.247 | 55.686 |
| S04*100/(CL+S04+HC03+C03) | 0.357 | 1.180 | 6.875 | 3.974 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 71.766 | 94.991 | 62.878 | 40.340 |
| (NA+K)*100/(NA+K+CA+MG) | 76.093 | 8.638 | 11.107 | 94.637 |
| CA*100/(NA+K+CA+MG) | 17.997 | 77.367 | 56.907 | 3.670 |
| MG*100/(NA+K+CA+MG) | 5.910 | 13.995 | 31.987 | 1.694 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 28.234 | 5.009 | 37.122 | 59.660 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 71.766 | 94.991 | 62.878 | 40.340 |
| (NA+K)*100/(NA+K+CA+MG) | 76.093 | 8.638 | 11.107 | 94.637 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.907 | 91.362 | 88.893 | 5.363 |

第20-2表 焼岳地獄水質一覧表(つづき)

| NO | YKC 21 | | YKC 22 | | YKC 23 | | YKC 24 | |
|----------------------------------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 98.0 | 98.0 | 98.0 | 93.0 | 93.0 | 98.0 | 98.0 | 98.0 |
| TEMP | 1,637.000 | 981.000 | 1,869.000 | 1,472.000 | 1,472.000 | 1,472.000 | 1,472.000 | 1,472.000 |
| TSM | 9.00 | 7.20 | 8.70 | 8.50 | 8.50 | 8.50 | 8.50 | 8.50 |
| PH(FD) | 9.05 | - | 9.10 | - | - | - | - | - |
| PH(LB) | 9.05 | - | 9.10 | - | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| K | 72.020 | 35.040 | 8.896 | 81.270 | 2.079 | 58.400 | 1.494 | 1.494 |
| NA | 450.100 | 200.200 | 8.709 | 490.100 | 21.319 | 355.000 | 15.443 | 15.443 |
| NH4 | 2.901 | 1.418 | 0.079 | 0.979 | 0.054 | 1.864 | 0.103 | 0.103 |
| CA | 1.436 | 27.640 | 1.379 | 1.134 | 0.093 | 11.340 | 0.566 | 0.566 |
| MG | 0.902 | 8.134 | 0.669 | 0.018 | 0.001 | 3.755 | 0.309 | 0.309 |
| FF | - | 0.325 | 0.012 | - | - | 0.859 | 0.031 | 0.031 |
| MN | - | - | - | - | - | - | - | - |
| ZN | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | - | - | - | - | - | 0.041 | 0.005 | 0.005 |
| CL | 432.700 | 213.400 | 6.020 | 450.400 | 12.706 | 332.100 | 9.369 | 9.369 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | 4.001 | 2.350 | 0.124 | 3.901 | 0.205 | 4.472 | 0.235 | 0.235 |
| OH | 0.170 | 0.003 | 0.000 | 0.085 | 0.005 | 0.094 | 0.003 | 0.003 |
| SO4 | 44.700 | 47.270 | 0.984 | 31.490 | 0.656 | 53.030 | 1.104 | 1.104 |
| S2O3 | - | - | - | - | - | - | - | - |
| HCO3 | 14.710 | 281.000 | 4.606 | 552.100 | 9.049 | 416.300 | 6.823 | 6.823 |
| CO3 | 10.760 | 0.240 | 0.008 | 16.300 | 0.543 | 7.576 | 0.253 | 0.253 |
| SI02 (MG/KG)(MMOL/KG) | 77.664 | 197.181 | 3.283 | 466.304 | 7.764 | 354.788 | 5.907 | 5.907 |
| HR02 | 49.466 | 21.412 | 0.489 | 53.996 | 1.232 | 35.040 | 0.800 | 0.800 |
| H3PO4 | 1.077 | 0.226 | 0.002 | 0.019 | 0.000 | 1.083 | 0.011 | 0.011 |
| HAS02 | 0.137 | 0.001 | 0.007 | 1.752 | 0.016 | 1.586 | 0.015 | 0.015 |
| CO2 | 1.254 | 42.560 | 0.967 | 2.654 | 0.060 | 3.218 | 0.073 | 0.073 |
| H2S | 3.438 | - | - | 9.172 | 0.269 | 6.733 | 0.198 | 0.198 |
| RN (*F-10 CURIE/L) | 0.810 | - | - | - | - | - | - | - |
| NA/K | 10.628 | 9.716 | 10.255 | 10.337 | 10.337 | 10.337 | 10.337 | 10.337 |
| CA/(HCO3+CO3) | 0.057 | 0.299 | - | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 |
| MG/CA | 1.036 | 0.485 | - | 0.546 | 0.546 | 0.546 | 0.546 | 0.546 |
| NA/CA | 273.239 | 6.314 | - | 27.290 | 27.290 | 27.290 | 27.290 | 27.290 |
| CL/(HCO3+CO3) | 9.639 | 1.305 | 1.325 | 1.324 | 1.324 | 1.324 | 1.324 | 1.324 |
| CL/F | 57.957 | 48.665 | 61.874 | 39.797 | 39.797 | 39.797 | 39.797 | 39.797 |
| CL*100/(CL+S04+HCO3+CO3) | 84.747 | 51.817 | 55.354 | 53.387 | 53.387 | 53.387 | 53.387 | 53.387 |
| S04*100/(CL+S04+HCO3+CO3) | 6.461 | 8.471 | 2.856 | 6.292 | 6.292 | 6.292 | 6.292 | 6.292 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.792 | 39.712 | 41.790 | 40.321 | 40.321 | 40.321 | 40.321 | 40.321 |
| (NA+K)*100/(NA+K+CA+MG) | 99.324 | 82.421 | - | 95.088 | 95.088 | 95.088 | 95.088 | 95.088 |
| CA*100/(NA+K+CA+MG) | 0.332 | 11.835 | - | 3.177 | 3.177 | 3.177 | 3.177 | 3.177 |
| MG*100/(NA+K+CA+MG) | 0.344 | 5.744 | - | 1.735 | 1.735 | 1.735 | 1.735 | 1.735 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.208 | 60.288 | 58.210 | 59.679 | 59.679 | 59.679 | 59.679 | 59.679 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.792 | 39.712 | 41.790 | 40.321 | 40.321 | 40.321 | 40.321 | 40.321 |
| (NA+K)*100/(NA+K+CA+MG) | 99.394 | 82.421 | - | 95.088 | 95.088 | 95.088 | 95.088 | 95.088 |
| (CA+MG)*100/(NA+K+CA+MG) | 0.676 | 17.579 | - | 4.912 | 4.912 | 4.912 | 4.912 | 4.912 |

第 20-2 表 横岳地蔵水質一覧表 (つづき)

| | YKC 25 | YKC 26 | YKC 27 | YKC 28 |
|--|----------|---------|---------|----------|
| NO | | | | |
| TEMP | 66.0 | 63.8 | 63.3 | 92.5 |
| TSM | 1159.000 | 915.300 | 879.100 | 1590.000 |
| PH(FD) | | 6.40 | 6.60 | 8.20 |
| PH(LR) | 6.40 | 6.70 | 6.80 | 8.00 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 4.8×8 | 29.530 | 0.0 | 71.020 |
| NA | 200.790 | 8.730 | 0.755 | 30.030 |
| NH4 | 4.257 | 217.700 | 9.470 | 205.200 |
| CA | 92.720 | 59.450 | 2.967 | 54.800 |
| MG | 53.410 | 15.370 | 1.265 | 12.550 |
| FF | 1.165 | 4.150 | 3.653 | 0.131 |
| MN | 0.548 | 0.020 | 0.023 | 0.030 |
| ZN | | | | 0.022 |
| CU | | | | |
| PB | | | | |
| AL | 0.050 | 0.224 | 0.025 | 0.240 |
| CL | 112.200 | 198.800 | 5.608 | 189.500 |
| BR | | | | 480.500 |
| I | | | | |
| F | | 1.001 | 0.053 | 3.001 |
| OH | | | | 0.042 |
| S04 | 45.270 | 26.010 | 0.542 | 0.031 |
| S203 | | 0.030 | 0.001 | 0.031 |
| HCO3 | 855.400 | 514.700 | 8.436 | 71.040 |
| CO3 | | | | 425.100 |
| SI02 (MG/KG) (MMOL/KG) | | | | 4.003 |
| HB02 | 174.631 | 76.674 | 1.277 | 262.096 |
| H3P04 | | 16.907 | 0.386 | 39.976 |
| HAS02 | 2.351 | 0.206 | 0.002 | 0.004 |
| CO2 | 148.000 | 0.011 | 0.000 | 0.039 |
| H2S | | 494.700 | 11.240 | 6.439 |
| | | 2.297 | 0.067 | 6.565 |
| RN (*F-10 CURTE/L) | | | | |
| NA/K | 69.824 | 12.537 | 11.620 | 11.077 |
| CA/(HCO3+CO ²⁻) | 0.330 | 0.352 | 0.356 | 0.019 |
| MG/CA | 0.950 | 0.426 | 0.378 | 2.251 |
| NA/CA | 1.887 | 3.192 | 3.264 | 148.753 |
| CL/(HCO3+CO ²⁻) | 0.226 | 0.665 | 0.695 | 1.909 |
| CL/F | | 106.431 | 126.784 | 85.805 |
| CL*100/(CL+S04+HCO3+CO ²⁻) | 17.460 | 38.450 | 39.347 | 61.238 |
| S04*100/(CL+S04+HCO3+CO ²⁻) | 5.199 | 3.713 | 4.046 | 6.682 |
| (HCO3+CO ²⁻)*100/(CL+S04+HCO3+CO ²⁻) | 77.340 | 57.837 | 56.608 | 32.080 |
| (NA+K)*100/(NA+K+CA+MG) | 49.535 | 70.731 | 72.015 | 98.035 |
| CA*100/(NA+K+CA+MG) | 25.880 | 20.520 | 20.313 | 0.604 |
| MG*100/(NA+K+CA+MG) | 24.585 | 8.749 | 7.672 | 1.361 |
| (CL+S04)*100/(CL+S04+HCO3+CO ²⁻) | 22.660 | 42.163 | 43.392 | 67.920 |
| (HCO3+CO ²⁻)*100/(CL+S04+HCO3+CO ²⁻) | 77.340 | 57.837 | 56.608 | 32.080 |
| (NA+K)*100/(NA+K+CA+MG) | 49.535 | 70.731 | 72.015 | 98.035 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.465 | 29.269 | 27.985 | 1.965 |

第20-2表 焼岳地域水質一覽表(つづき)

| NO | YKC 33 | | | YKC 34 | | | YKC 35 | | | YKC 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|--------------------|---------|---------|--------|-------|--------|----|----|----|----|-------|---------|-------|----|---|-------|--------|---------|-------|------|--------|-----------------------|-------|-------|---------|-------|-----|--------------------|-------|---------------|-------|-------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG)(MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PR | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | C03 | SI02 (MG/KG)(MMOL/KG) | HBO2 | H3PO4 | HAS02 | C02 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+C03) | MG/CA | NA/CA | CL/(HC03+C03) | CL/F | CL*100/(CL+S04+HC03+C03) | S04*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) |
| | 79.0 | 1029.000 | 6.80 | 7.40 | 3.422 | 198.000 | 68.330 | 9.175 | 0.239 | - | - | - | - | - | 0.000 | 205.110 | - | - | - | - | 27.160 | 397.200 | - | - | 73.468 | - | 1.031 | - | 335.000 | - | - | 98.395 | 0.524 | 0.221 | 2.526 | 0.889 | - | 44.986 | 4.397 | 50.617 | 67.631 | 26.500 | 5.869 | 49.383 | 50.617 | 57.631 | 32.369 |
| | 83.0 | 755.000 | 7.20 | 6.80 | 11.850 | 157.200 | 47.140 | 15.290 | 0.217 | - | - | - | - | - | 0.040 | 273.300 | - | - | - | - | 29.630 | 172.700 | - | - | 95.855 | - | 0.890 | - | 240.200 | - | - | 23.994 | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | 77.0 | 930.300 | 6.40 | 7.40 | 0.303 | 7.273 | 2.352 | 1.258 | 0.008 | - | - | - | - | - | 0.004 | 7.710 | - | - | - | - | 0.617 | 672.100 | - | - | 1.596 | - | 0.011 | - | 5.457 | - | - | 52.354 | 0.508 | 0.276 | 1.404 | 0.352 | 25.500 | 2.029 | 72.471 | 52.858 | 36.944 | 10.198 | 27.529 | 72.471 | 52.858 | 47.142 | |
| | 75.2 | 1063.000 | 8.10 | 7.85 | 5.665 | 180.700 | 112.200 | 18.780 | 1.145 | 0.984 | - | - | - | - | 0.050 | 137.400 | - | - | - | 0.022 | 14.810 | 469.900 | - | - | 79.297 | - | 1.737 | - | 45.020 | - | - | 13.614 | 0.376 | 0.421 | 4.145 | 0.935 | 43.689 | 9.588 | 46.723 | 75.792 | 17.034 | 7.174 | 53.277 | 46.723 | 75.792 | 24.208 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0.535 | 3.092 | 2.724 | 69.101 | 5.529 | 25.370 | 74.630 | 25.370 | 67.725 | 11.247 | 74.630 | 57.725 | 32.275 | |
| | - | - | - | - | 0.088 | 9.613 | 3.409 | 0.755 | 0.010 | - | - | - | - | - | - | 0.007 | 5.786 | - | - | - | 0.565 | 6.510 | 1.223 | - | - | 1.223 | - | 0.011 | - | 7.611 | - | - | 0.831 | 0 | | | | | | | | | | | | | |

第20-2表 焼岳地域水質一覧表(つづき)

| | YKC 37 | YKC 38 | YKC 39 | YKC 40 |
|----------------------------------|----------|----------|----------|---------|
| NO | 65.0 | 64.6 | 89.0 | 46.0 |
| TEMP | 1402.000 | 1523.000 | 1324.000 | 349.800 |
| PH(FD) | 7.30 | 7.10 | 7.10 | 7.20 |
| PH(LB) | 7.75 | - | 7.50 | - |
| H (MG/KG)(MVAL/KG) | 0.001 | 0.0 | 30.420 | 4.400 |
| K | 39.000 | 34.750 | 0.889 | 0.113 |
| NA | 220.000 | 230.000 | 10.005 | 2.614 |
| NH4 | 3.348 | 1.402 | 0.078 | - |
| CA | 136.300 | 163.100 | 8.139 | 1.018 |
| MG | 45.980 | 75.880 | 6.244 | 0.033 |
| FE | 2.120 | 2.320 | 0.083 | - |
| MN | - | 0.260 | 0.009 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | 0.049 | - | - |
| CL | 172.700 | 168.600 | 4.756 | 24.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.003 | 0.210 | 0.011 | 0.026 |
| S04 | 174.800 | 0.002 | 0.000 | 0.000 |
| S203 | - | 219.500 | 4.570 | 67.300 |
| HC03 | 788.200 | 979.900 | 16.061 | 102.500 |
| C03 | 2.424 | 0.960 | 0.032 | 0.012 |
| SI02 (MG/KG)(MMOL/KG) | 155.101 | 182.497 | 3.039 | 0.817 |
| HB02 | 16.478 | 12.048 | 0.275 | 1.100 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 93.700 | 188.500 | 4.283 | 7.300 |
| H2S | 0.513 | - | - | - |
| RN (*F=10 CURIE/L) | - | - | - | 0.550 |
| NA/K | 9.593 | 11.255 | 15.938 | 23.228 |
| CA/(HC03+C03) | 0.523 | 0.506 | 0.616 | 0.607 |
| MG/CA | 0.556 | 0.767 | 0.476 | 0.032 |
| NA/CA | 1.407 | 1.229 | 2.360 | 2.568 |
| CL/(HC03+C03) | 0.375 | 0.296 | 0.966 | 0.417 |
| CL/F | - | 430.255 | 312.861 | - |
| CL*100/(CL+S04+HC03+C03) | 22.649 | 18.711 | 39.578 | 18.520 |
| S04*100/(CL+S04+HC03+C03) | 16.919 | 17.979 | 19.433 | 37.093 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 60.433 | 63.310 | 40.989 | 44.387 |
| (NA+K)*100/(NA+K+CA+MG) | 49.959 | 43.059 | 62.951 | 72.183 |
| CA*100/(NA+K+CA+MG) | 32.154 | 32.198 | 25.097 | 26.946 |
| MG*100/(NA+K+CA+MG) | 17.888 | 24.703 | 11.952 | 0.871 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 39.567 | 36.690 | 59.011 | 55.613 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 60.433 | 63.310 | 40.989 | 44.387 |
| (NA+K)*100/(NA+K+CA+MG) | 49.959 | 43.059 | 62.951 | 72.183 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.041 | 56.901 | 37.049 | 27.817 |

第20-2表 鹿丘地域水質一覽表 (つづき)

| | YKC 41 | YKC 42 | YKC 43 | YKC 44 |
|----------------------------------|---------|----------|---------|---------|
| NO | 43.4 | 55.0 | 63.0 | 73.0 |
| TEMP | 349.800 | 1297.800 | 466.500 | 810.000 |
| TSM | 7.20 | 7.50 | 7.00 | 8.40 |
| PH(FD) | - | - | - | 8.40 |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 3.700 | 43.860 | 14.400 | 1.698 |
| NA | 55.500 | 95.210 | 82.000 | 145.300 |
| NH4 | - | - | 0.854 | 14.780 |
| CA | 12.100 | 6.198 | 18.100 | 0.819 |
| MG | 0.300 | 53.550 | 3.200 | 31.810 |
| FF | - | 11.200 | 0.300 | 6.679 |
| MN | - | - | - | 0.550 |
| ZN | - | - | - | 0.002 |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | 4.014 | - | - |
| CL | 28.300 | 187.900 | 67.500 | 78.650 |
| BF | - | - | - | 1.904 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | 0.043 |
| SO4 | 63.600 | 142.800 | 32.500 | 161.400 |
| S2O3 | - | - | - | - |
| HC03 | 59.800 | 515.100 | 144.400 | 189.900 |
| C03 | - | - | - | 1.398 |
| ST02 (MG/KG)(MMOL/KG) | 48.851 | 157.514 | 83.931 | 145.465 |
| HS02 | 1.000 | 0.073 | 11.300 | 2.422 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 6.800 | 204.400 | 75.900 | 1.656 |
| H2S | - | - | 2.200 | 1.469 |
| RN (*F-10 CURIE/L) | 0.586 | 0.815 | - | - |
| NA/K | 25.508 | 3.691 | 9.684 | 145.518 |
| CA/(HC03+C03) | 0.616 | 0.734 | 0.382 | 0.502 |
| MG/CA | 0.041 | 0.711 | 0.292 | 0.346 |
| NA/CA | 3.998 | 0.668 | 3.949 | 3.982 |
| CL/(HC03+C03) | 0.815 | 0.628 | 0.805 | 0.702 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 25.731 | 31.710 | 38.487 | 25.391 |
| S04*100/(CL+S04+HC03+C03) | 42.679 | 17.786 | 13.676 | 38.456 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.590 | 50.505 | 47.836 | 36.153 |
| (NA+K)*100/(NA+K+CA+MG) | 79.568 | 33.171 | 77.135 | 74.862 |
| CA*100/(NA+K+CA+MG) | 19.215 | 39.058 | 17.703 | 18.672 |
| MG*100/(NA+K+CA+MG) | 0.757 | 27.771 | 5.161 | 6.465 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 68.410 | 49.495 | 52.164 | 63.847 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.590 | 50.505 | 47.836 | 36.153 |
| (NA+K)*100/(NA+K+CA+MG) | 79.968 | 33.171 | 77.135 | 74.862 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.032 | 66.829 | 22.865 | 25.138 |

第20-2表 焼岳地域水質一覧表(つづき)

| | YKC 45 | YKC 46 | YKC 47 | YKC 48 |
|----------------------------------|---------|---------|----------|---------|
| NO | 75.0 | 48.0 | 46.9 | 41.6 |
| TEMP | 756.000 | 777.000 | 1114.000 | 735.000 |
| TSM | 6.30 | 6.30 | 6.30 | 6.40 |
| PH(FD) | 6.90 | 6.30 | 6.60 | 6.77 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 6.230 | 0.159 | 0.562 | 19.380 |
| NA | 145.700 | 6.338 | 1.975 | 48.950 |
| NH4 | | 45.410 | 87.100 | |
| CA | 32.450 | 1.619 | 5.225 | 151.100 |
| MG | 2.981 | 0.246 | 2.256 | 22.360 |
| FE | 0.020 | 0.001 | 0.015 | 0.060 |
| MN | | | | 0.002 |
| ZN | | | | 0.002 |
| CU | | | | |
| PB | | | | |
| AL | 1.145 | 0.130 | | |
| CL | 145.350 | 4.099 | 2.207 | 64.500 |
| BR | | | | 1.820 |
| T | | | | |
| F | | | 0.144 | 0.236 |
| OH | | | | 0.012 |
| S04 | 201.300 | 4.201 | 0.188 | 0.562 |
| S203 | | | 12.130 | 26.970 |
| HC03 | 42.570 | 0.698 | 7.500 | 615.100 |
| C03 | | 0.027 | 864.900 | 14.176 |
| SI02 (MG/KG)(MMOL/KG) | 115.581 | 1.924 | 42.353 | 38.760 |
| HB02 | | | 11.903 | 8.072 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 4.772 | 0.140 | 549.600 | 286.300 |
| | | | 14.059 | 9.691 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 39.770 | 3.515 | 5.258 | 4.295 |
| CA/(HC03+C03) | 2.321 | 0.697 | 0.691 | 0.748 |
| MG/CA | 0.152 | 0.432 | 0.353 | 0.244 |
| NA/CA | 3.914 | 0.378 | 0.387 | 0.282 |
| CL/(HC03+C03) | 5.875 | 0.294 | 0.227 | 0.180 |
| CL/F | | | 424.630 | 146.465 |
| CL*100/(CL+S04+HC03+C03) | 45.553 | 22.305 | 18.239 | 14.600 |
| S04*100/(CL+S04+HC03+C03) | 46.693 | 1.902 | 1.437 | 4.506 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.754 | 75.793 | 80.324 | 80.894 |
| (NA+K)*100/(NA+K+CA+MG) | 77.694 | 25.329 | 25.377 | 21.867 |
| CA*100/(NA+K+CA+MG) | 19.363 | 52.154 | 55.151 | 62.806 |
| MG*100/(NA+K+CA+MG) | 2.943 | 22.516 | 19.473 | 15.327 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.245 | 24.207 | 19.676 | 19.106 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.754 | 75.793 | 80.324 | 80.894 |
| (NA+K)*100/(NA+K+CA+MG) | 77.694 | 25.329 | 25.377 | 21.867 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.306 | 74.671 | 74.623 | 78.133 |

第 20-2 表 横岳地域水質一覧表 (つづき)

| | YKC 49 | YKC 50 | YKC 51 | YKC 52 |
|----------------------------------|---------|----------|---------|---------|
| NO | 42.0 | 48.7 | 45.6 | 44.9 |
| TEMP | 9.0 | 1018.000 | 977.000 | 886.000 |
| TSM | 6.30 | 6.40 | 6.40 | 6.40 |
| PH(FD) | 6.30 | 6.46 | 6.56 | 6.25 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 24.380 | 0.624 | 0.644 | 0.634 |
| NA | 80.970 | 3.520 | 3.694 | 3.485 |
| NH4 | 1.698 | 84.910 | 24.780 | 33.780 |
| CA | 108.700 | 0.094 | 80.120 | 106.900 |
| MG | 48.120 | 192.200 | 190.200 | 170.200 |
| FE | 0.060 | 41.120 | 39.290 | 51.800 |
| MN | | 0.002 | | 0.200 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 106.300 | 104.400 | 101.400 | 95.820 |
| BR | | | | 2.703 |
| I | | | | |
| F | | 0.156 | 0.136 | |
| OH | | | 0.008 | |
| S04 | 222.200 | 16.380 | 40.960 | 19.910 |
| S203 | | | | 2.546 |
| HCO3 | 349.100 | 832.800 | 783.300 | 906.500 |
| CO3 | 0.021 | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 21.982 | 43.159 | 42.166 | 26.180 |
| H3PO4 | 0.197 | 13.751 | 14.171 | 8.760 |
| HAS02 | | | | |
| CO2 | 431.800 | 457.400 | 463.700 | 435.400 |
| H2S | 22.659 | 21.175 | 16.584 | 15.204 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 5.644 | 5.737 | 5.498 | 5.382 |
| CA/(HCO3+CO3) | 0.948 | 0.703 | 0.739 | 0.572 |
| MG/CA | 0.730 | 0.353 | 0.341 | 0.502 |
| NA/CA | 0.649 | 0.385 | 0.367 | 0.548 |
| CL/(HCO3+CO3) | 0.524 | 0.216 | 0.223 | 0.182 |
| CL/F | | 398.644 | 399.564 | |
| CL*100/(CL+S04+HCO3+CO3) | 22.467 | 17.390 | 17.282 | 15.038 |
| S04*100/(CL+S04+HCO3+CO3) | 34.660 | 2.014 | 5.152 | 2.306 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 42.873 | 80.596 | 77.565 | 82.656 |
| (NA+K)*100/(NA+K+CA+MG) | 30.631 | 25.055 | 24.455 | 30.182 |
| CA*100/(NA+K+CA+MG) | 40.097 | 55.400 | 56.349 | 46.486 |
| MG*100/(NA+K+CA+MG) | 29.272 | 19.546 | 19.196 | 23.331 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 57.127 | 19.404 | 22.435 | 17.344 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 42.873 | 80.596 | 77.565 | 82.656 |
| (NA+K)*100/(NA+K+CA+MG) | 30.631 | 25.055 | 24.455 | 30.182 |
| (CA+MG)*100/(NA+K+CA+MG) | 69.369 | 74.945 | 75.545 | 69.818 |

第 20-2 表 焼岳地獄水質一覧表 (つづき)

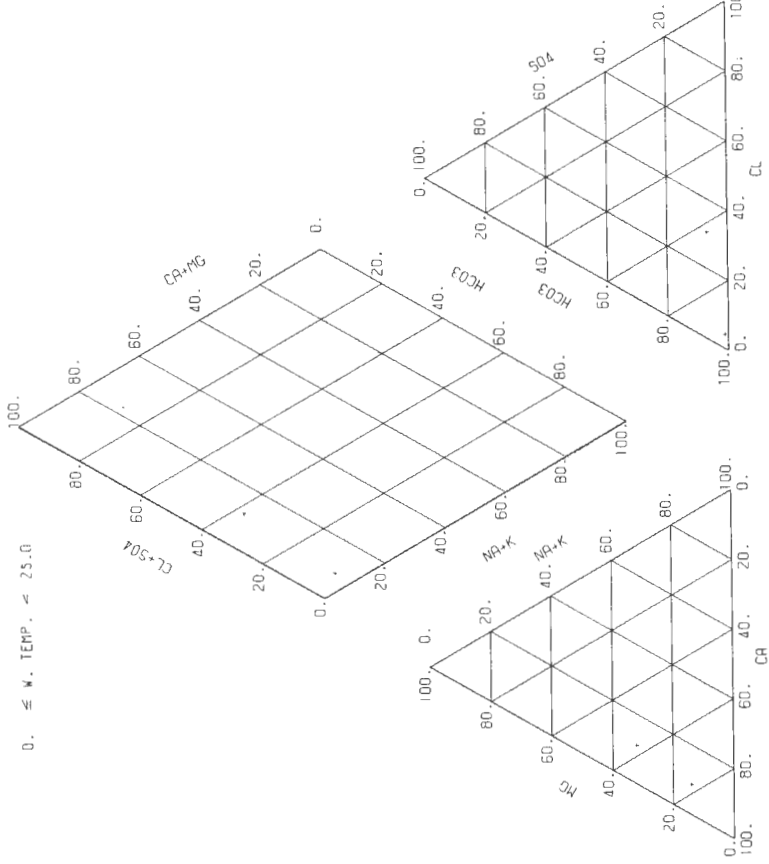
| | YKC 53 | YKC 54 | YKC 55 | YKC 56 |
|----------------------------------|---------|---------|---------|----------|
| NO | 46.6 | 49.4 | 44.8 | 39.3 |
| TEMP | 809.000 | 980.000 | 964.000 | 810.000 |
| TSM | 6.80 | 6.30 | 6.30 | — |
| PH(FD) | 7.23 | 6.35 | 6.40 | 6.20 |
| PH(LR) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | 25.370 | 16.980 | 15.440 | 0.039 |
| NA | 80.110 | 87.410 | 84.660 | 23.460 |
| NH4 | — | 2.814 | 0.156 | 11.540 |
| CA | 144.300 | 173.800 | 179.700 | 100.800 |
| MG | 30.980 | 59.610 | 4.204 | 51.420 |
| FE | — | 0.702 | 0.025 | 0.080 |
| MN | — | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | — | — | — | 0.421 |
| CL | 102.200 | 103.500 | 99.010 | 9.352 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | 0.144 | — | — | — |
| OH | — | — | — | — |
| S04 | 7.592 | 53.530 | 34.150 | 79.920 |
| S203 | — | — | — | — |
| HC03 | 673.500 | 108.400 | 1.777 | 395.000 |
| C03 | — | — | — | 0.019 |
| SI02 (MG/KG) (MMOL/KG) | 36.759 | 35.684 | 28.063 | 46.745 |
| HB02 | 12.538 | 4.337 | 5.997 | 0.137 |
| H3PO4 | — | 3.925 | 2.298 | 0.023 |
| HAS02 | — | — | — | — |
| C02 | 142.200 | 555.000 | 321.300 | 617.000 |
| H2S | 7.693 | 23.657 | 10.596 | 10.913 |
| RN (*F-10 CURIE/L) | — | — | — | — |
| NA/K | 5.370 | 8.754 | 9.324 | 1022.945 |
| CA/(HC03+C03) | 0.652 | 4.881 | 0.516 | 0.777 |
| MG/CA | 0.354 | 0.566 | 0.469 | 0.841 |
| NA/CA | 0.484 | 0.438 | 0.411 | 0.203 |
| CL/(HC03+C03) | 0.261 | 1.643 | 0.161 | 0.041 |
| CL/F | 380.343 | — | — | — |
| CL*S100/(CL+S04+HC03+C03) | 20.477 | 50.246 | 13.378 | 3.140 |
| S04*S100/(CL+S04+HC03+C03) | 1.123 | 19.179 | 3.406 | 19.803 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 78.401 | 30.575 | 83.216 | 77.057 |
| (NA+K)*100/(NA+K+CA+MG) | 29.774 | 23.782 | 23.640 | 9.934 |
| CA*100/(NA+K+CA+MG) | 51.864 | 48.683 | 51.986 | 48.916 |
| MG*100/(NA+K+CA+MG) | 18.362 | 27.535 | 24.374 | 41.150 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 21.599 | 69.425 | 16.784 | 22.943 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 78.401 | 30.575 | 83.216 | 77.057 |
| (NA+K)*100/(NA+K+CA+MG) | 29.774 | 23.782 | 23.640 | 9.934 |
| (CA+MG)*100/(NA+K+CA+MG) | 70.226 | 76.218 | 76.360 | 90.066 |

第 20-2 図 焼岳地域水質組成図 (その 1) (水温 25℃ 未満)

TAKEDAKE

AREA CODE YKC

0. ≦ W. TEMP. ≦ 25.0

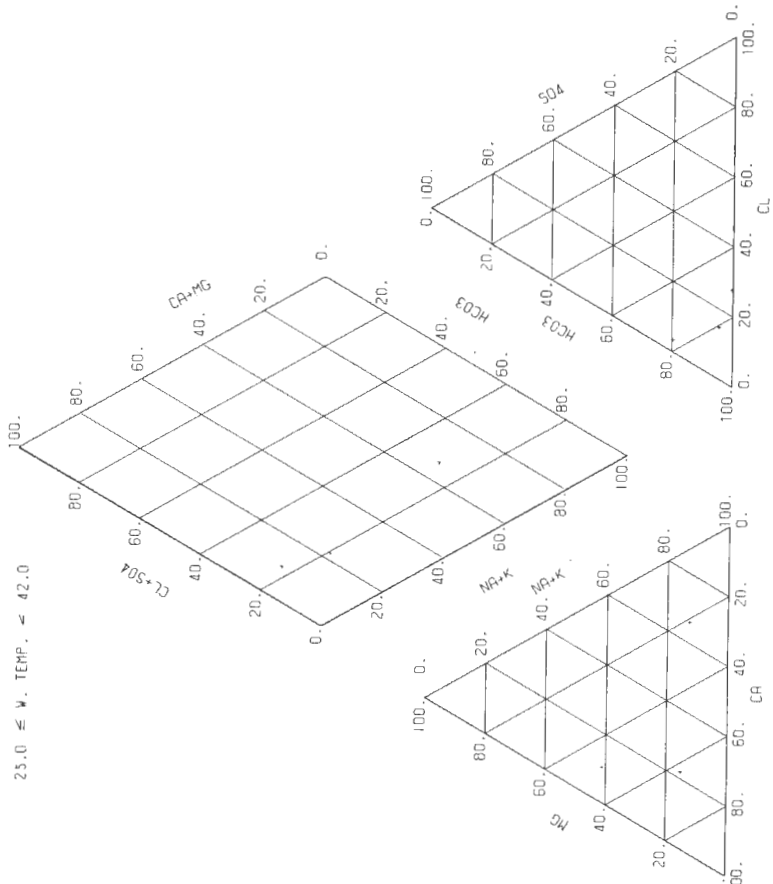


第 20-2 図 焼岳地域水質組成図 (その 2) (水温 25℃ 以上 42℃ 未満)

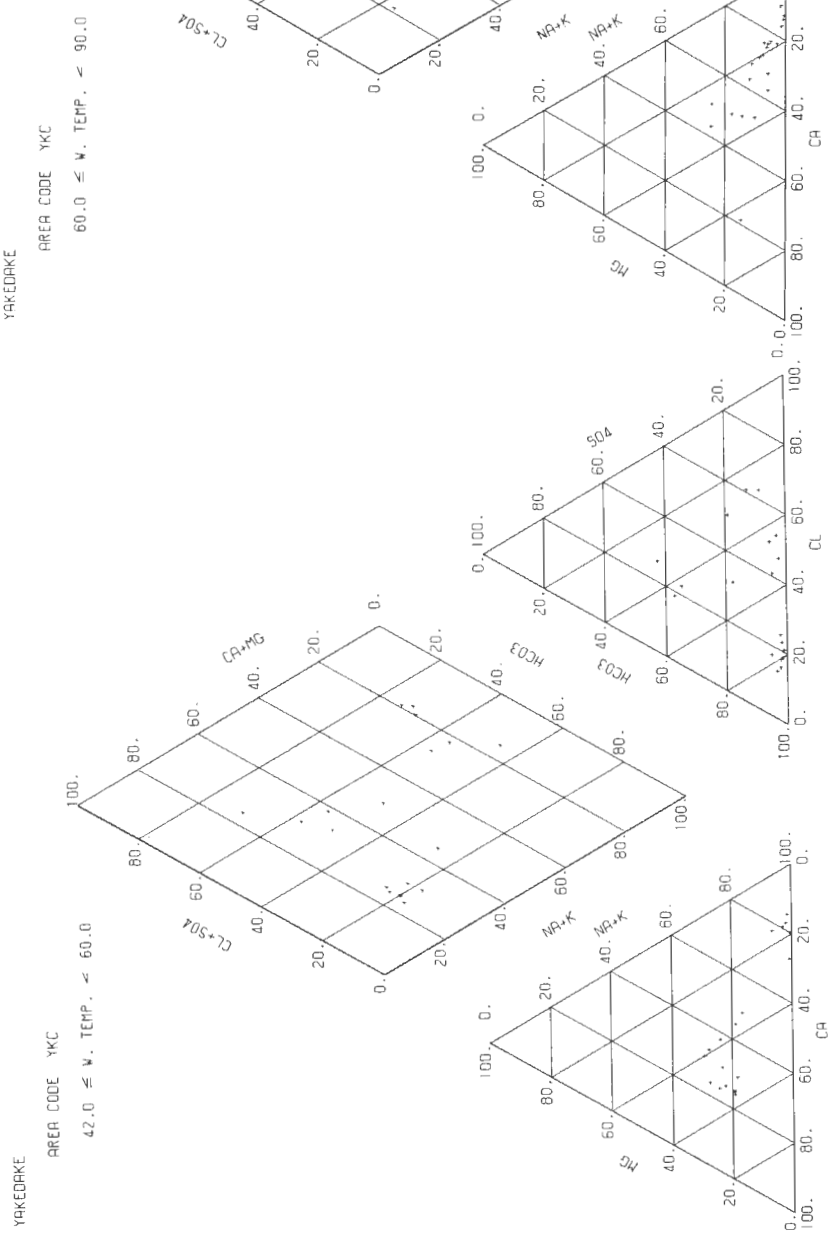
TAKEDAKE

AREA CODE YKC

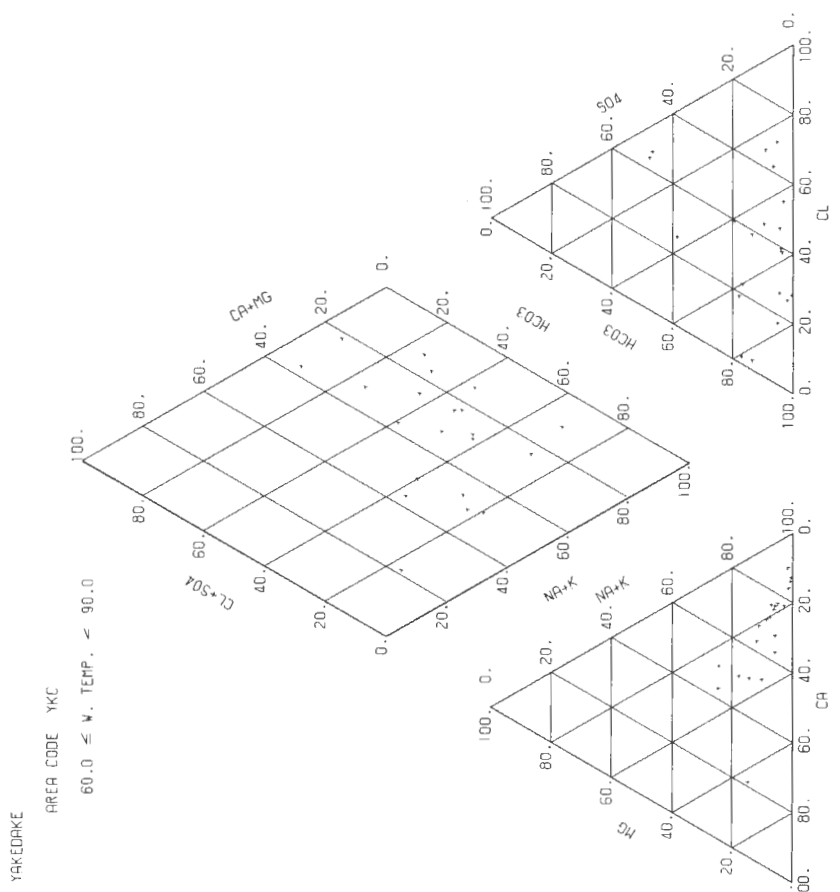
25.0 ≦ W. TEMP. ≦ 42.0



第 20-2 図 焼岳地域水質組成図 (その 3) (水温42℃以上60℃未満)



第 20-2 図 焼岳地域水質組成図 (その 4) (水温60℃以上90℃未満)

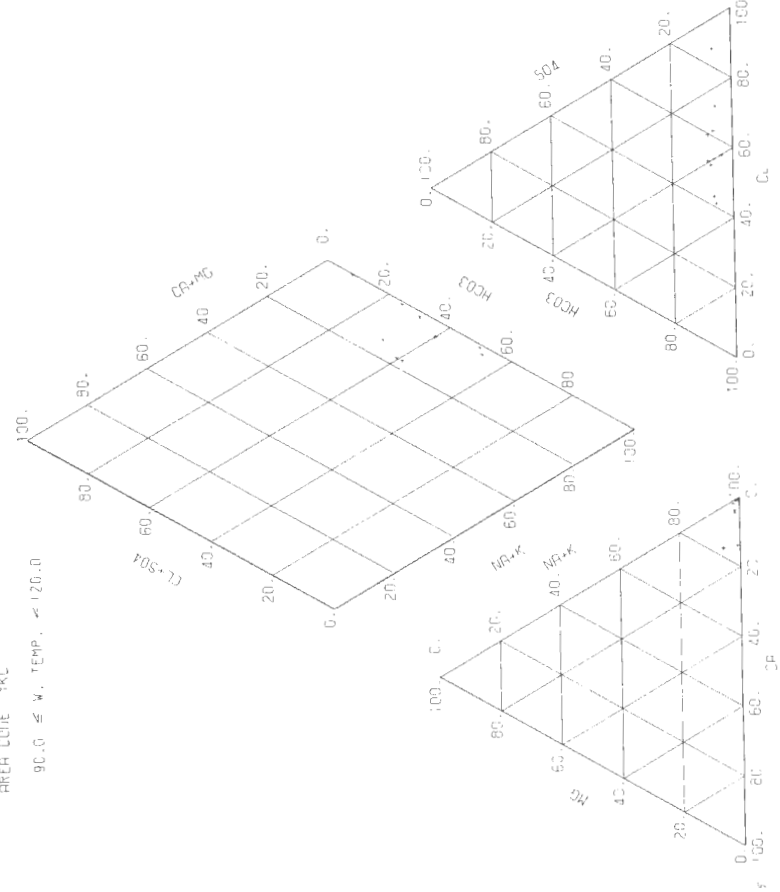


第 20-2 図 焼岳地岐水質組成図 (その 5) (水温90℃以上120℃未満)

14KEDPAKE

AREA CODE YKC

90.0 ≤ W. TEMP. < 120.0

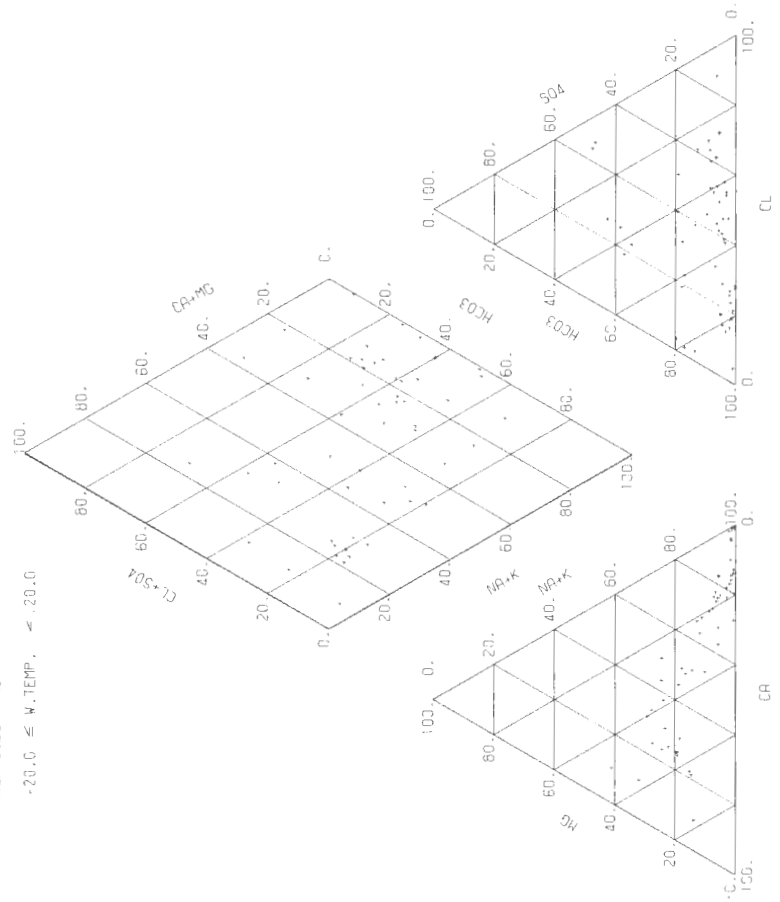


第 20-2 図 焼岳地岐水質組成図 (その 6) (全試料)

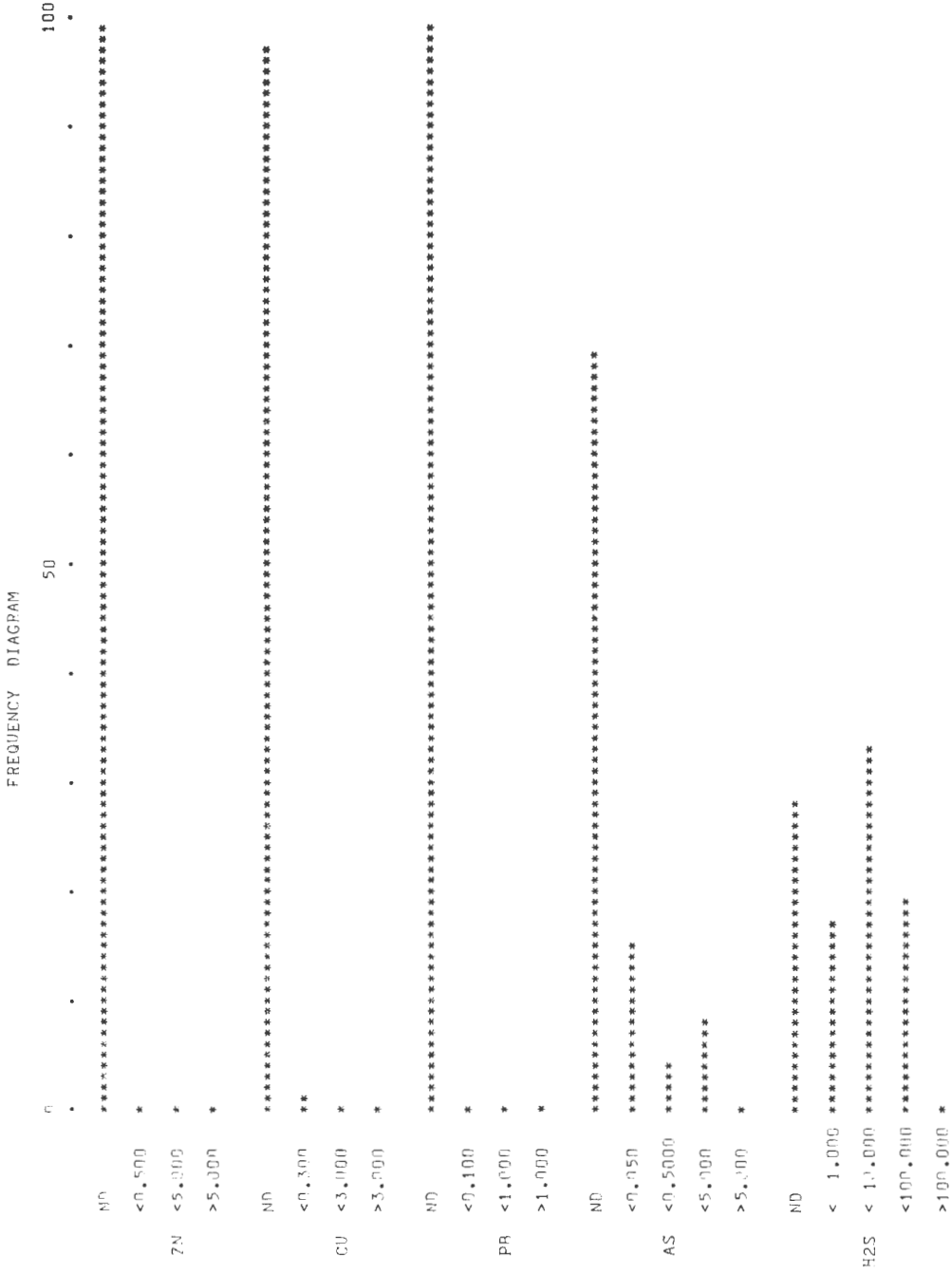
14KEDPAKE

AREA CODE YKC

-20.0 ≤ W. TEMP. < 20.0



第 20-3 図 焼岳地域特定成分含量の頻度分布図

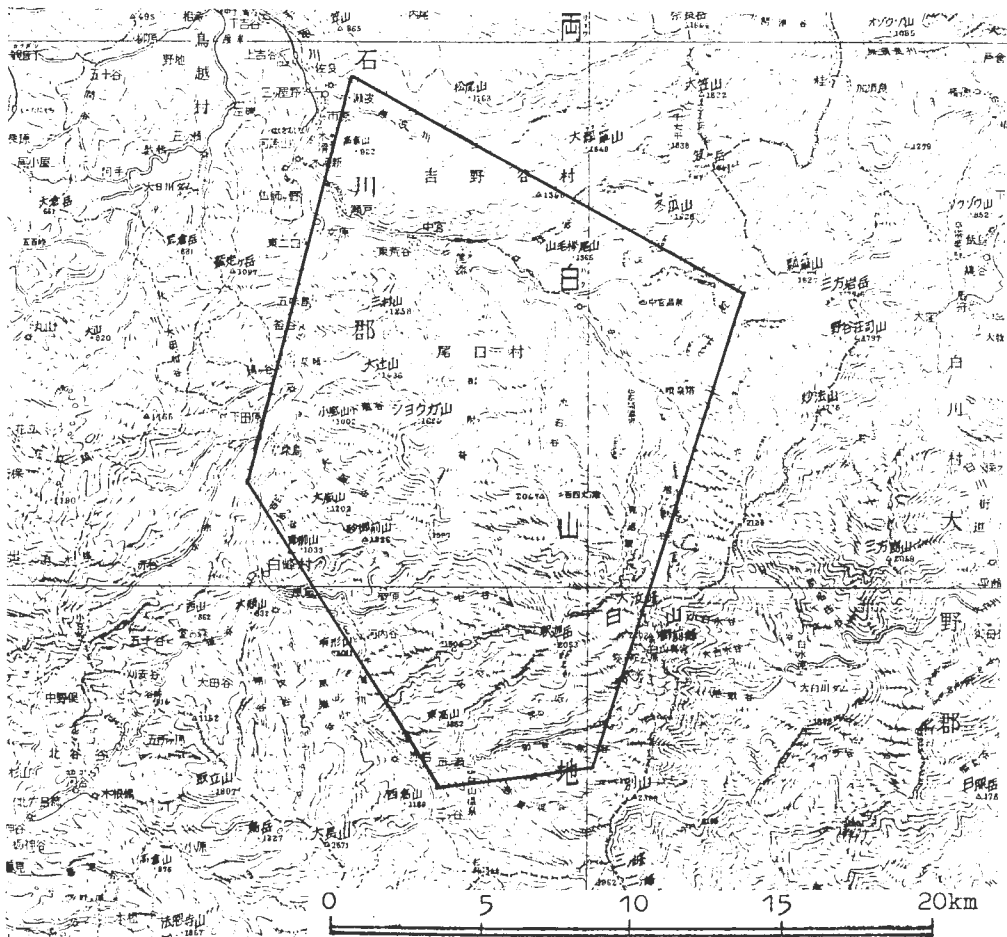


21. 白山

Hakusan

| | |
|-------|------------------------|
| 位置 | 石川県石川郡尾口村，同郡白峰村，同郡吉野谷村 |
| データ数 | 8 |
| 収集・整理 | 川野昌樹 |
| 協力 | 石川県衛生研究所 |

調査位置図（20万分の1地勢図 金沢）



第 21-2 表 白山地域水質一覽表

| | HAC 1 | HAC 2 | HAC 3 | HAC 4 |
|----------------------------------|-----------|-----------|-----------|-----------|
| NO | — | — | — | — |
| TEMP | 47.5 | 59.2 | 59.2 | 65.5 |
| TSM | 3,661.000 | 2,444.000 | 2,580.000 | 1,240.000 |
| PH(FD) | 7.60 | 7.20 | 7.00 | 6.70 |
| PH(LR) | 6.90 | 6.29 | 8.05 | 6.80 |
| H (MG/KG)(MVAI /KG) | — | — | — | — |
| K | 80.000 | 45.000 | 112.500 | 24.100 |
| NA | 1,200.000 | 500.000 | 760.000 | 315.000 |
| NH4 | — | — | — | — |
| CA | 99.200 | 181.000 | 52.730 | 45.470 |
| MG | 35.400 | 69.200 | 4.659 | 1.309 |
| FE | 0.740 | 1.160 | 1.980 | 0.190 |
| MN | — | 3.900 | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 0.300 | 0.550 | — | — |
| CL | 1,352.000 | 1,005.000 | 924.800 | 351.400 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 35.400 | 50.500 | 82.300 | 116.800 |
| S2O3 | — | — | — | — |
| HCO3 | 1,574.000 | 610.000 | 668.100 | 225.800 |
| CO3 | — | — | — | — |
| STO2 (MG/%G) (MMOL/KG) | — | — | — | — |
| HB02 | 105.394 | 64.621 | 113.010 | 66.006 |
| H3PO4 | 130.400 | 63.200 | 54.550 | — |
| HASO2 | — | — | 3.053 | — |
| CO2 | 75.000 | 0.170 | — | — |
| H2S | 75.000 | 214.000 | 184.800 | 57.000 |
| RN (*E-10 CURIE/L) | — | — | — | — |
| NA/K | 25.508 | 18.895 | 11.488 | 22.227 |
| CA/(HCO3+CO3) | 0.192 | 0.903 | 0.240 | 0.613 |
| MG/CA | 0.588 | 0.630 | 0.146 | 0.047 |
| NA/CA | 19.545 | 2.408 | 12.564 | 6.039 |
| CL/(HCO3+CO3) | 1.478 | 2.836 | 2.362 | 2.679 |
| CL/F | — | — | — | — |
| CL*100/(CL+SO4+HCO3+CO3) | 58.972 | 71.956 | 67.322 | 61.780 |
| SO4*100/(CL+SO4+HCO3+CO3) | 1.140 | 2.669 | 4.422 | 15.155 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 39.889 | 25.375 | 28.257 | 23.065 |
| (NA+K)*100/(NA+K+CA+MG) | 87.340 | 60.863 | 92.261 | 85.765 |
| CA*100/(NA+K+CA+MG) | 7.570 | 24.003 | 6.755 | 13.590 |
| MG*100/(NA+K+CA+MG) | 4.690 | 15.134 | 0.984 | 0.645 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 60.111 | 74.625 | 71.743 | 76.935 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 39.889 | 25.375 | 28.257 | 23.065 |
| (NA+K)*100/(NA+K+CA+MG) | 87.340 | 60.863 | 92.261 | 85.765 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.660 | 39.137 | 7.739 | 14.235 |

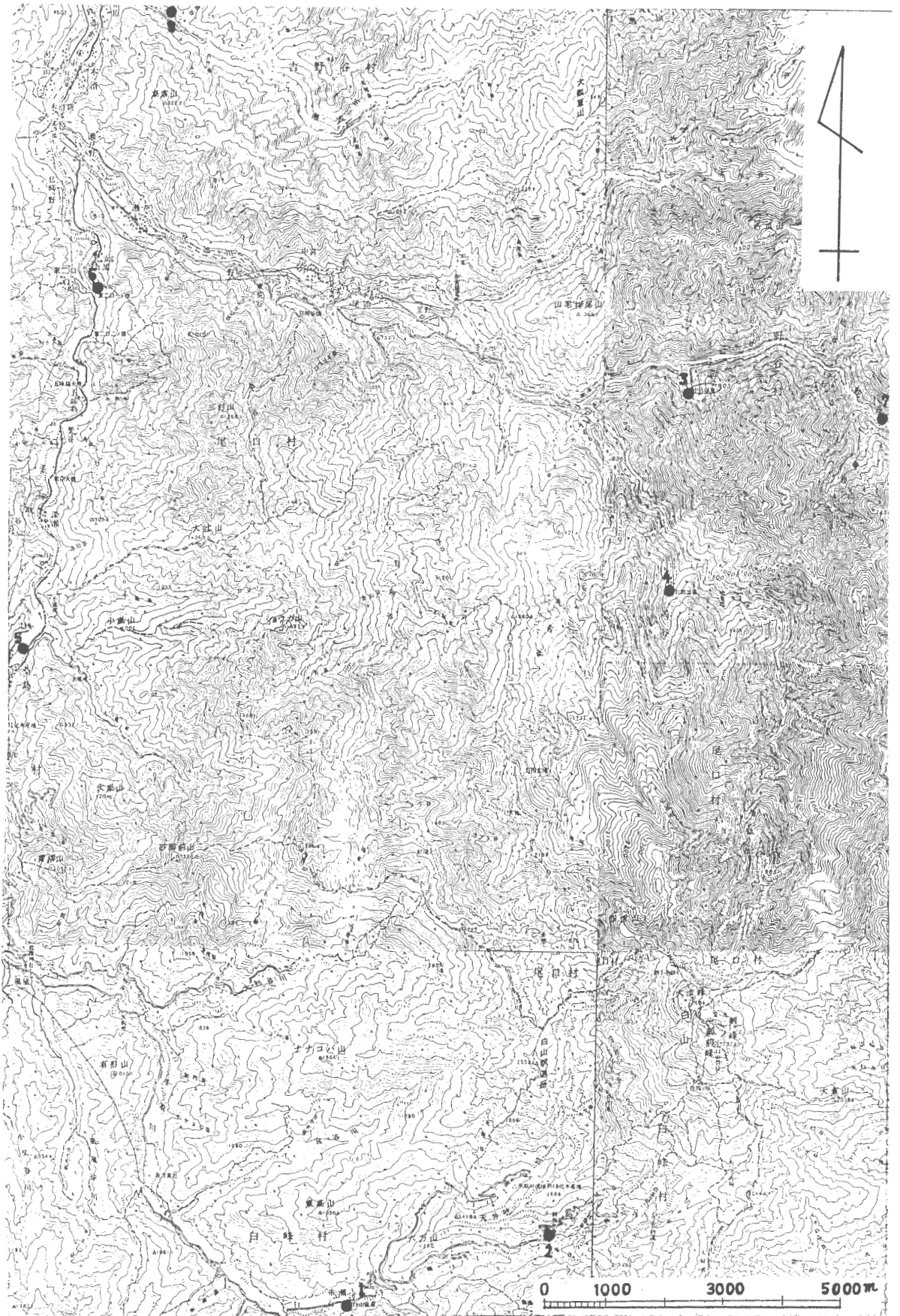
第21-2表 白山地域水質一覧表 (つづき)

| | HAC | HAC | HAC | HAC | HAC | HAC |
|----------------------------------|----------|----------|----------|----------|--------|-----|
| | 5 | 6 | 7 | 8 | | |
| NO | 24.1 | 19.0 | 97.0 | 28.0 | | |
| TEMP | 2790.000 | 1120.000 | 1180.000 | 1348.000 | | |
| TSM | 7.40 | 8.70 | 3.50 | 8.90 | | |
| PH(FD) | 7.40 | 8.65 | 8.30 | 8.92 | | |
| PH(LB) | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | |
| K | 0.665 | 0.235 | 17.020 | 5.007 | 0.128 | |
| NA | 1030.000 | 44.805 | 440.500 | 400.600 | 17.426 | |
| NH4 | | | | | | |
| CA | 17.100 | 1.166 | 16.930 | 2.403 | 0.120 | |
| MG | 16.580 | 1.839 | 0.913 | 2.199 | 0.181 | |
| FE | 11.800 | 0.423 | 0.050 | 0.080 | 0.003 | |
| MN | | | | | | |
| ZN | | | | | | |
| CU | | | | | | |
| PB | | | | | | |
| AL | | | | | | |
| CL | 402.600 | 11.357 | 300.900 | 43.010 | 1.213 | |
| BR | | | | | | |
| I | | | | | | |
| F | 0.004 | 0.085 | 2.002 | 0.105 | 0.008 | |
| SO4 | 3.704 | 0.077 | 0.054 | 0.136 | 0.008 | |
| SZ03 | 0.122 | 9.048 | 74.940 | 232.400 | 4.839 | |
| HC03 | 9247.000 | 36.828 | 582.100 | 602.100 | 9.868 | |
| CO3 | 3.319 | 0.111 | 10.850 | 28.120 | 0.937 | |
| SI02 (MG/KG)(MMOL/KG) | | | | | | |
| HB02 | 19.005 | 0.316 | 119.172 | 8.016 | 0.133 | |
| H3P04 | 53.519 | 1.221 | 19.438 | 52.560 | 1.199 | |
| HAS02 | 2.500 | 0.026 | | | | |
| CO2 | 216.400 | 4.917 | 4.432 | 1.826 | 0.041 | |
| H2S | 0.903 | 0.027 | | | | |
| RN (*F-10 CURIE/L) | | | | | | |
| NA/K | 67.368 | 55.459 | 44.012 | 136.057 | | |
| CA/(HC03+CO3) | 0.023 | 0.300 | 0.085 | 0.011 | | |
| MG/CA | 1.600 | 1.605 | 0.089 | 1.509 | | |
| NA/CA | 52.509 | 11.389 | 22.682 | 145.327 | | |
| CL/(HC03+CO3) | 0.307 | 0.829 | 0.857 | 0.112 | | |
| CL/F | | | 83.546 | | | |
| CL*100/(CL+S04+HC03+CO3) | 73.478 | 19.776 | 42.545 | 7.197 | | |
| S04*100/(CL+S04+HC03+CO3) | 0.159 | 56.383 | 7.824 | 28.703 | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 76.362 | 23.841 | 49.631 | 64.100 | | |
| (NA+K)*100/(NA+K+CA+MG) | 95.348 | 81.657 | 95.516 | 98.315 | | |
| CA*100/(NA+K+CA+MG) | 1.789 | 7.063 | 4.118 | 0.672 | | |
| MG*100/(NA+K+CA+MG) | 2.863 | 11.301 | 0.366 | 1.013 | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 23.638 | 76.159 | 50.369 | 35.900 | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 76.362 | 23.841 | 49.631 | 64.100 | | |
| (NA+K)*100/(NA+K+CA+MG) | 95.348 | 81.657 | 95.516 | 98.315 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 4.652 | 18.343 | 4.484 | 1.685 | | |

第21-3表 白山地域特定成分含量の頻度分布表

| FREQUENCY DATA OF ZN , CU , PR , AS AND H2S | | | | | |
|---|---|-------|---|---|-------|
| ZN | N | F(%) | CU | N | F(%) |
| ND | 8 | 100.0 | ND | 8 | 100.0 |
| <0.500 | 0 | 0. | <0.300 | 0 | 0. |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 8 | 100.0 | TOTAL | 8 | 100.0 |
| PR | | | | | |
| PR | N | F(%) | AS | N | F(%) |
| ND | 8 | 100.0 | ND | 7 | 87.5 |
| <0.100 | 0 | 0. | <0.050 | 0 | 0. |
| <1.000 | 0 | 0. | <0.500 | 1 | 12.5 |
| >1.000 | 0 | 0. | <5.000 | 0 | 0. |
| | | | >5.000 | 0 | 0. |
| TOTAL | 8 | 100.0 | TOTAL | 8 | 100.0 |
| H2S | | | | | |
| H2S | N | F(%) | N= NUMBER OF SAMPLES F= FREQUENCY(%) | | |
| ND | 6 | 75.0 | | | |
| < 1.000 | 1 | 12.5 | | | |
| < 10.000 | 0 | 0. | | | |
| <100.000 | 1 | 12.5 | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 8 | 100.0 | | | |

第 21-1 図 試料採取地 (白山全域)

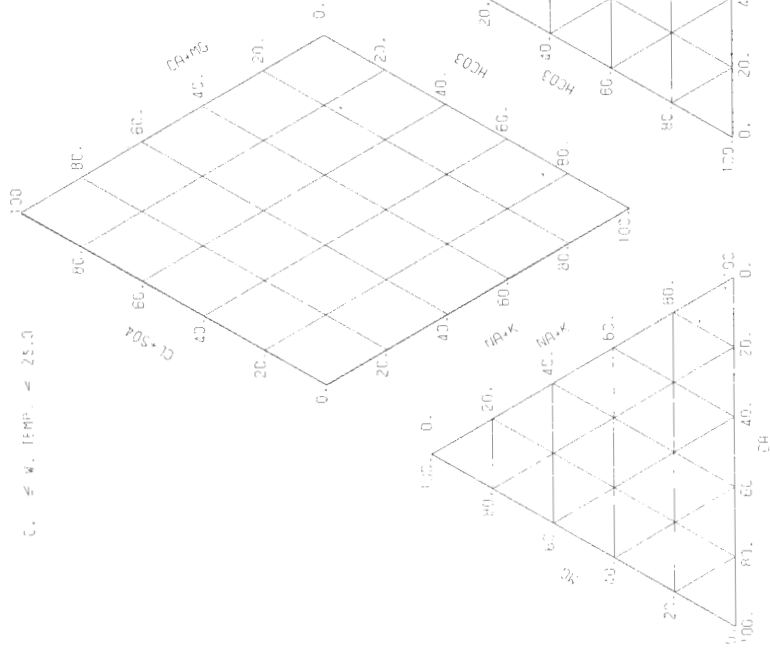


第21-2図 白山地域水質組成図 (その1) (水温25℃未満)

HAKUSAN

AREA CODE H4C

25.0 ≦ W. TEMP. < 42.0

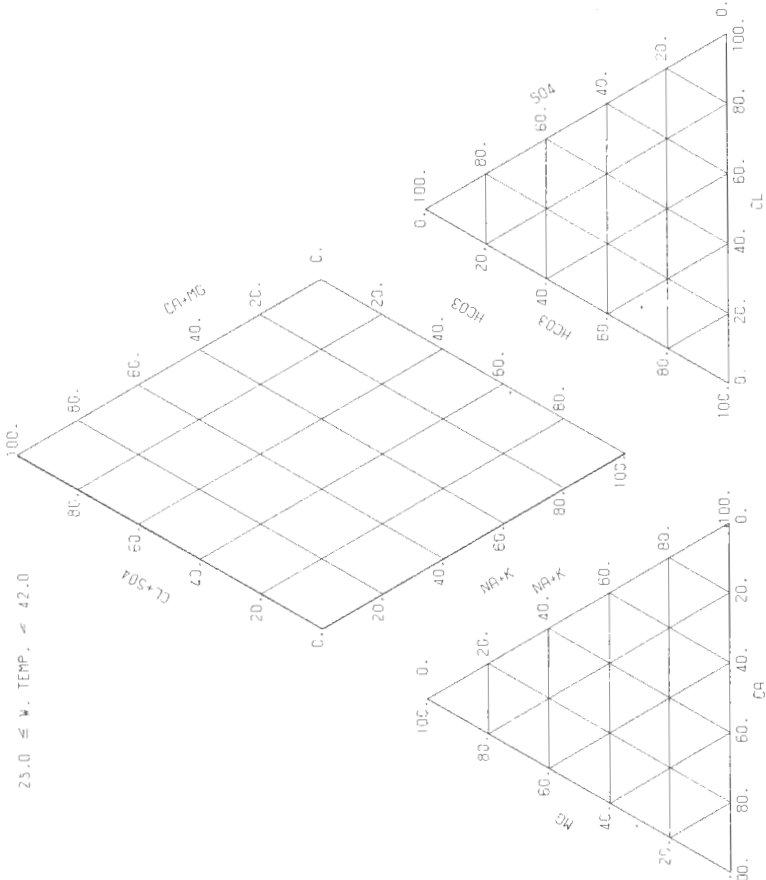


第21-2図 白山地域水質組成図 (その2) (水温25℃以上42℃未満)

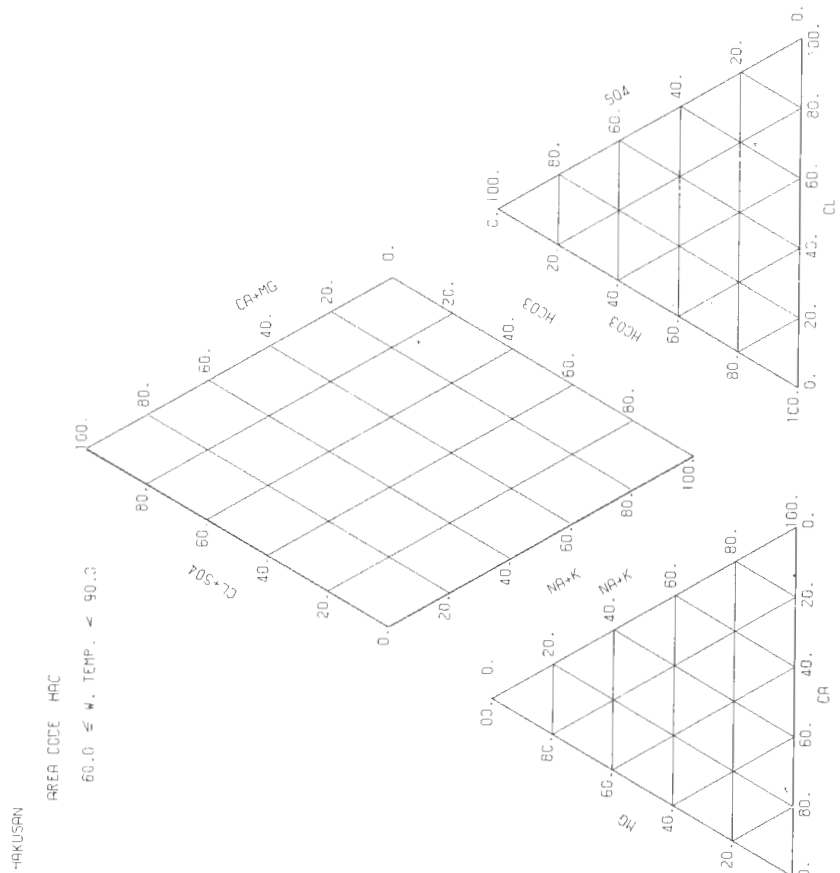
HAKUSAN

AREA CODE H4C

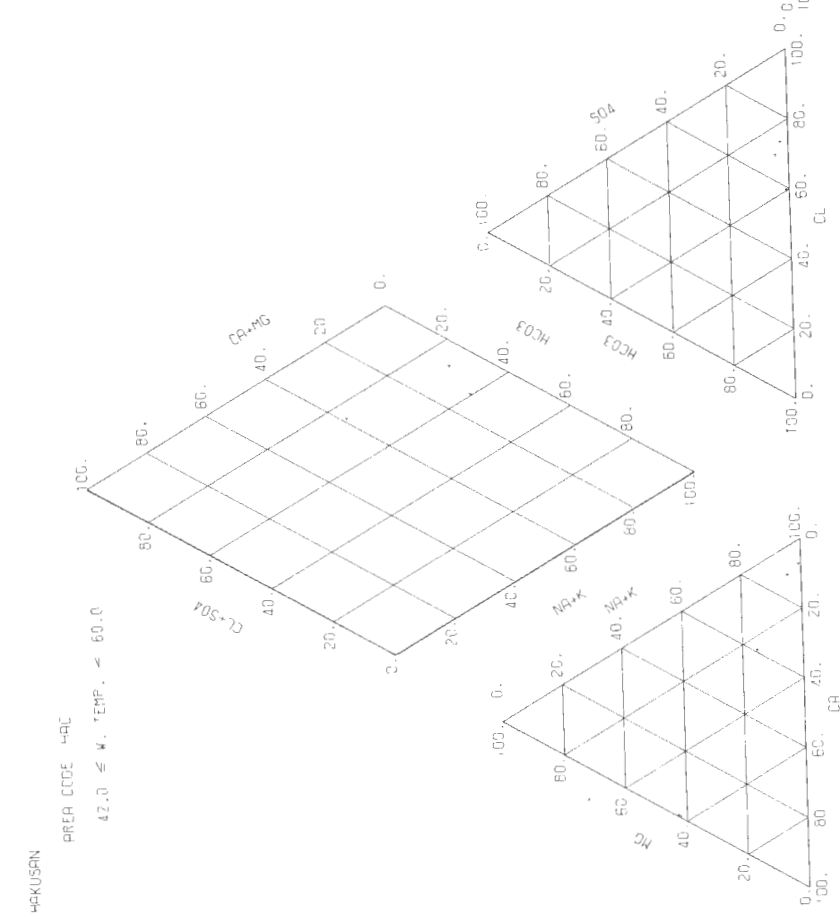
25.0 ≦ W. TEMP. < 42.0



第21-2図 白山地域水質組成図(その3) (水温42℃以上60℃未満)



第21-2図 白山地域水質組成図(その4) (水温60℃以上90℃未満)

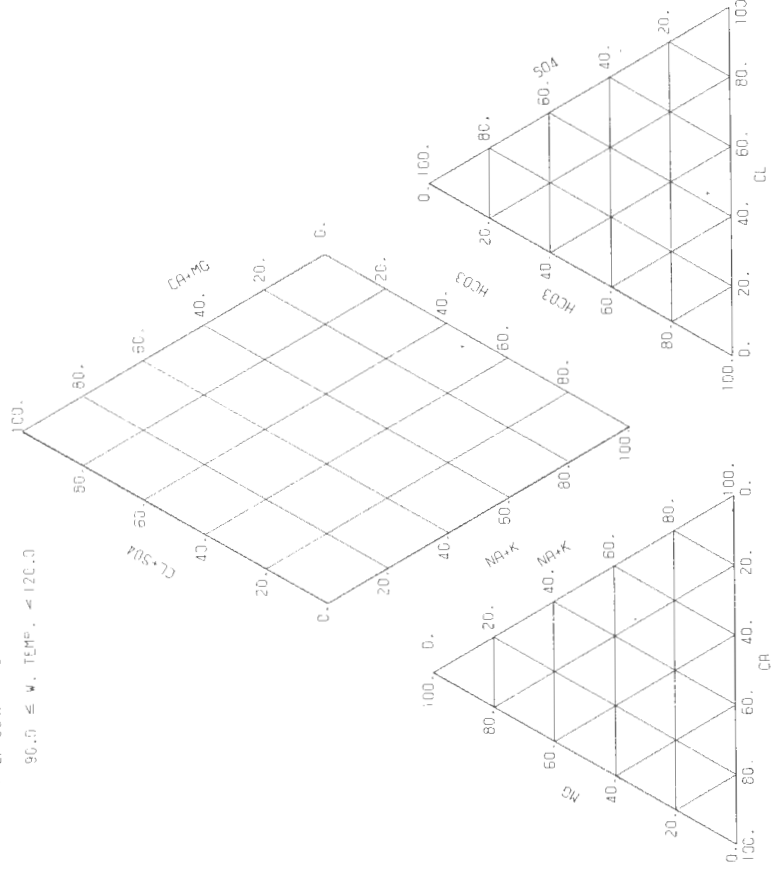


第21-2図 白山地域水質組成図(その5) (水温90℃以上120℃未満)

→KUSAN

AREA CODE HAC

90.0 ≤ W. TEMP. < 120.0

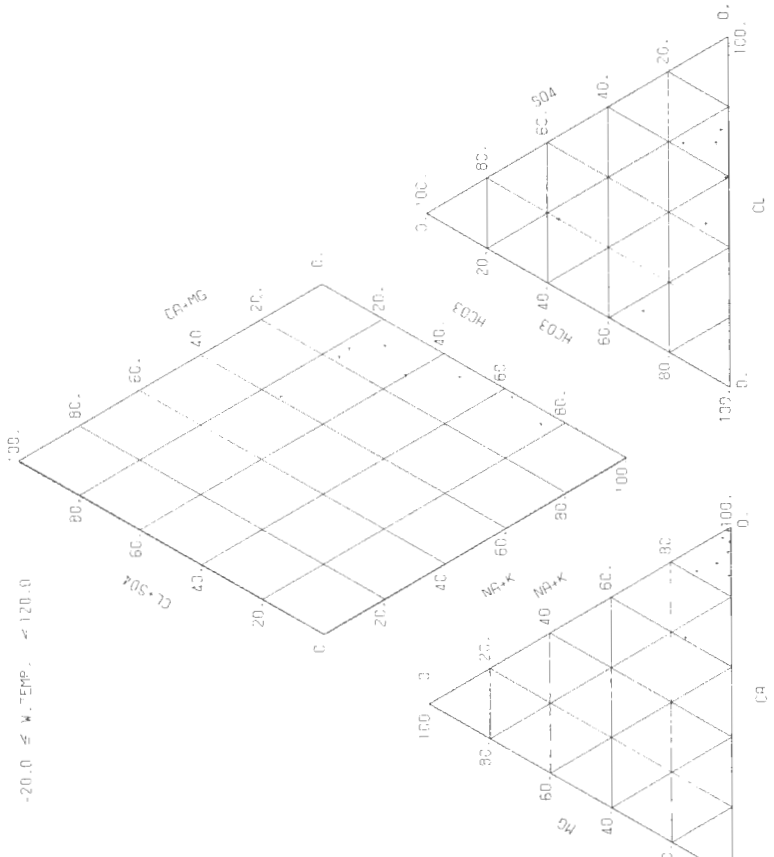


第21-2図 白山地域水質組成図(その6) (全試料)

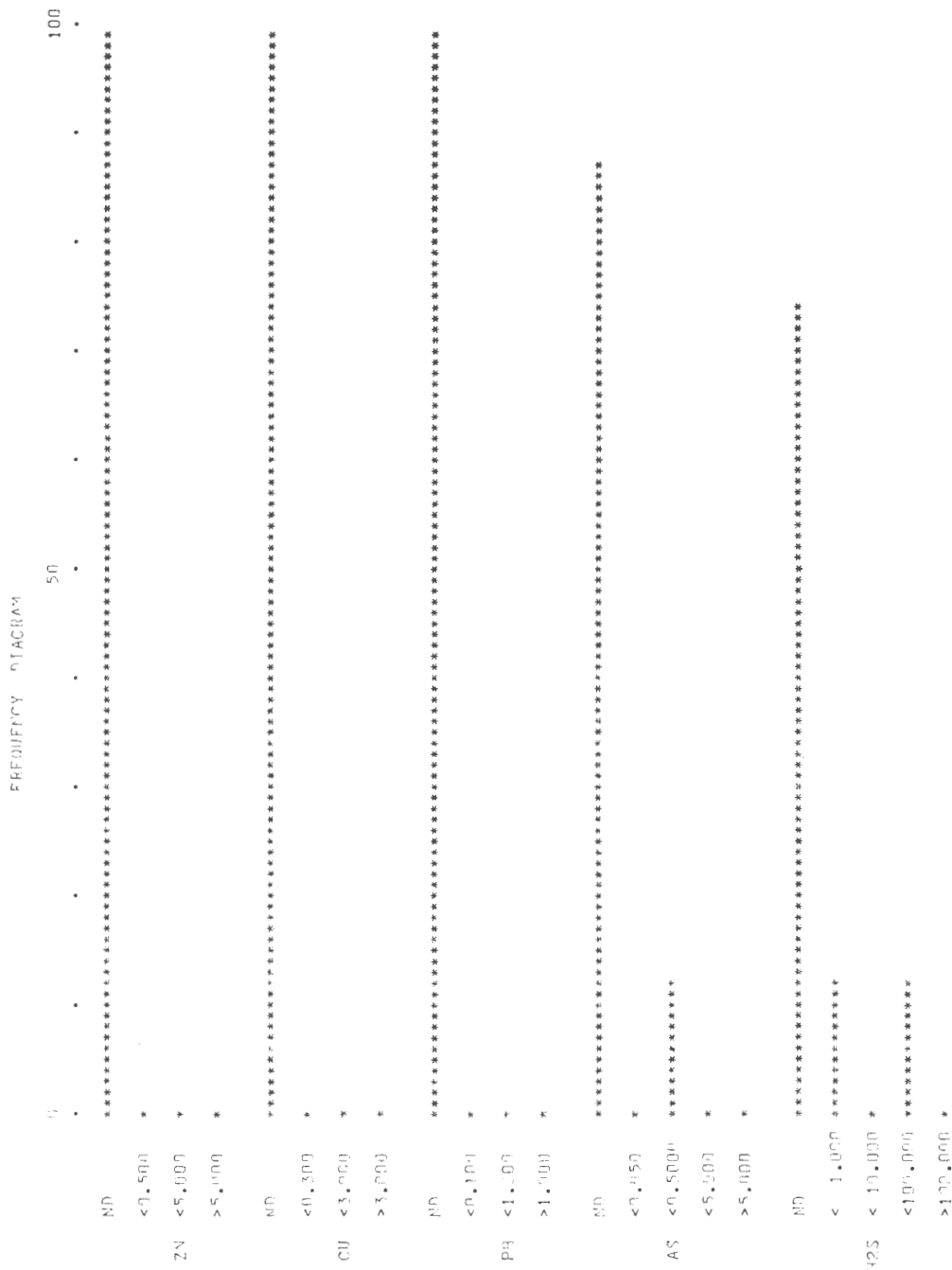
→KUSAN

AREA CODE HAC

-20.0 ≤ W. TEMP. < 120.0



第 21-3 図 白山地域特定成分含量の頻度分布図



22. 伊豆北部 Northern part of Izu

| | |
|-------|------------------|
| 位置 | 静岡県伊東市，同賀茂郡東伊豆町 |
| データ数 | 268 |
| 収集・整理 | 川野昌樹 |
| 協力 | 静岡県衛生部業務課，同企画調整部 |

調査位置図（20万分の1地勢図 横須賀）



| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|--------------------|-----|-------------|--------------|-------|---------------------|---------------------|
| INC-38 | 静岡県伊東市政須美出作湯場127の8 | 伊東 | 政須美46号 | 1952. 9. 1 | 63 | 政須美—46号 | D=83m, Q=70//m, P |
| "-39 | " " 松原宇長田180の3 | " | 松原145号 | " 9. 2 | " | " | Q=153//m |
| "-40 | " " 岡宇水落1401の13 | " | 岡197号 | " 9. 2 | " | 岡—197号 | D=672m, Q=200//m, P |
| "-41 | " " 松原宇長田481の16 | " | 松原149号 | " 9. 2 | " | 松原—149号 | D=91m, Q=100//m |
| "-42 | " " 岡宇下川戸530の2 | " | 岡36号 | " 9. 2 | " | 岡—36号 | D=95m, Q=120//m, P |
| "-43 | " " 政須美元竹之内170 | " | 政須美10, 82混合 | " 9. 1 | " | " | Q=180//m, X |
| "-44 | " " 松原宇塔戸538の2 | " | 松原62号 | " 9. 2 | " | 松原—72号 | Q=140//m |
| "-45 | " " " 宇広町518の1 | " | 松原72号 | " 9. 2 | " | D=197m, Q=100//m, P | |
| "-46 | " " " 宇谷津672の2 | " | 松原261号 | " 9. 2 | " | Q=90//m | |
| "-47 | " " 岡宇水落1401の14 | " | 岡259号 | " 9. 2 | " | 岡—259号 | D=286m, Q=150//m, P |
| "-48 | " " " 宇下久保194の2 | " | 岡237号 | " 9. 2 | " | " | Q=160//m |
| "-49 | " " " 宇山下709の3 | " | " | 1960. 1. 20 | " | " | Q=180//m |
| "-50 | " " " 宇栗原761の18 | " | 岡267号 | " 1. 20 | " | 岡—267号 | D=600m, Q=80//m, P |
| "-51 | " " " 宇坪之内330の7 | " | " | " 1. 20 | " | "—190号 | D=218m, Q=70//m, P |
| "-52 | " " " 706 | " | 岡180号 | 1959. 12. 23 | " | " | Q=170//m |
| "-53 | " " " 宇広野畑308の4 | " | " | 1960. 1. 21 | " | 岡—175号 | D=690m, Q=180//m, P |
| "-54 | " " " 宇広町348の4 | " | " | " 1. 21 | " | " | Q=80//m, X |
| "-55 | " " " 宇坪之内349の3 | " | 岡192号 | 1959. 3. 25 | " | 岡—192号 | D=251m, Q=100//m, P |
| "-56 | " " " 宇広野畑310の4 | " | "260号 | " 7. 15 | " | "—260号 | D=340m, Q=180//m, P |
| "-57 | " " " 宇下川戸536の16 | " | "15号 | " 7. 15 | " | " | Q=110//m |
| "-58 | " " " 宇蕎麦田692の2 | " | "188号 | 1960. 4. 11 | " | 岡—188号 | D=600m, Q=150//m, P |
| "-59 | " " " 556 | " | "28号 | " 4. 11 | " | " | Q=100//m |
| "-60 | " " " 556 | " | "31号 | " 4. 11 | " | " | Q=140//m |
| "-61 | " " " 宇小川沢368の3 | " | "221号 | " 3. 2 | " | 岡—221号 | D=600m, Q=170//m, P |
| "-62 | " " " 宇広野1の107 | " | "139号 | " 4. 11 | " | " | Q=90//m |
| "-63 | " " " 154 | " | "220号 | " 4. 11 | " | " | Q=100//m |
| "-64 | " " " 宇芦田523の3 | " | "65号 | " 3. 3 | " | 岡—65号 | D=600m, Q=55//m, P |
| "-65 | " " " 宇才勝原644の2 | " | "177号 | " 3. 3 | " | "—177号 | D=593m, Q=60//m, P |
| "-66 | " " " 宇上森579の2 | " | "48号 | " 3. 2 | " | "—49号 | D=909m, Q=240//m, P |
| "-67 | " " " 872の3 | " | "105号 | " 9. 28 | " | " | Q=100//m |
| "-68 | " " " 宇竹之花261の2 | " | "96号 | " 9. 28 | " | 岡—97号 | D=573m, Q=200//m, P |
| "-69 | " " " 宇大樋166の3 | " | "101号 | " 9. 28 | " | "—101号 | D=450m, Q=180//m, P |
| "-70 | " " " 宇川向1377の21 | " | "277号 | 1961. 6. 29 | " | "—277号 | D=356m, Q=120//m, P |
| "-71 | " " " 宇大樋136の2 | " | "133号 | " 7. 1 | " | "—133号 | D=600m, Q=72//m, P |
| "-72 | " " " 131の2 | " | "134号 | " 7. 1 | " | "—134号 | D=600m, Q=80//m, P |
| "-73 | " " 鎌田字園林248の22 | " | 鎌田51号 | 1959. 3. 25 | " | 鎌田—51号 | D=275m, Q=80//m, P |
| "-74 | " " " 270の2 | " | "28号 | " 7. 15 | " | "—28号 | D=300m, Q=150//m, P |
| "-75 | " " " 宇桜ヶ丘161の3 | " | "8号 | 1962. 11. 20 | " | "—8号 | D=110m, Q=120//m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|---------|---------------|--------------|-----|----------|--------------|-------|------------------------------|----------------------------|
| INC-189 | 静岡県賀茂郡東伊豆町奈良本 | 字松葉223の3 | 川 | 奈良本共同湯 | 1955. 9. 30 | 63 | 奈良本- 25号 | D = 450m, Q = 100//m, P |
| -190 | " | 字一本松1267の6 | " | 一本松 | 1964. 9. 3 | " | " - 29号 | INC-179と同一源泉 |
| -191 | " | 字熱川1253 | " | 福島湯 | 1965. 4. 3 | " | " - 28号 | D = 280m, Q = 240//m, P |
| -192 | " | 字磯の上1206の12 | " | つるや2号 | 1957. 8. 7 | " | " - 12号 | D = 302m, Q = 150//m, P |
| -193 | " | 字大久保1271の101 | " | 浅井 | 1958. 4. 4 | " | " - 27号 | INC-184と同一源泉 |
| -194 | " | 片瀬字浜田436の1 | 片瀬 | | 1959. 2. 7 | " | 片瀬- 25号 | D = 500m, Q = 133//m, F |
| -195 | " | 字西の川236 | " | | " 2. 7 | " | " - 23号 | D = 445m |
| -196 | " | 字浜田499 | " | | " 2. 7 | " | " - 27号 | D = 443m, Q = 150//m, F |
| -197 | " | 字磯山1139の8 | " | | 1962. 5. 30 | " | " - 31号 | D = 645m, Q = 240//m, F, X |
| -198 | " | 字湖の頭523の1 | " | 白田ホテル1号 | " 5. 30 | " | " - 30号 | D = 349m |
| -199 | " | 字磯山1141の25 | " | 湯の沢1号 | 1963. 4. 26 | " | " - 11号 | D = 350m, Q = 240//m, F, X |
| -200 | " | 字1139の1 | " | 滝の湯 | 1962. 10. 16 | " | " - 10号 | D = 270m, Q = 43//m, P, X |
| -201 | " | 字奥の田819の2 | " | あかが山寮1号 | 1963. 3. 25 | " | " - 33号 | D = 450m, Q = 200//m, P |
| -202 | " | 字小久保365の2 | " | 伊豆屋 | 1959. 12. 23 | " | " - 29号 | D = 550m, Q = 86//m, P |
| -203 | " | 字上流田227の2 | " | 月見 | 1960. 9. 26 | " | " - 17号 | D = 350m, Q = 155//m, P |
| -204 | " | 字小井戸318の1 | " | 片瀬館2号 | " 9. 26 | " | " - 28号 | D = 672m, Q = 85. 7//m, P |
| -205 | " | 字磯山1140の15 | " | 湯の沢研究所3号 | 1963. 4. 26 | " | " - 20号 | D = 480m, Q = 109//m, F, X |
| -206 | " | 字1141の24 | " | 湯の沢研究所4号 | " 4. 26 | " | " - 21号 | D = 345m, Q = 600//m, F, X |
| -207 | " | 字奥の田819の2 | " | あかが山寮2号 | 1965. 4. 21 | " | " - 34号 | D = 610m, Q = 240//m, F |
| -208 | " | 字松合607の1 | " | | 1956. 4. 3 | " | " - 18号 | D = 300m, P |
| -209 | " | 字藪合474の2 | " | | " | " | " - 24号 | D = 500m, Q = 180//m, P |
| -210 | " | 字城東1096の2 | " | | 1958. 4. 4 | " | " - 22号 | D = 398m, Q = 300//m, P |
| -211 | " | 白田344の9 | 白田 | | 1962. 5. 30 | " | 白田- 1号 | D = 379m, Q = 150//m, P |
| -212 | " | 字竹の下350の5 | " | 万年 | 1964. 12. 19 | " | " - 13号 | D = 373m, Q = 300//m, F |
| -213 | " | 字埴下241 | " | 柏木 | 1965. 4. 21 | " | " - 16号 | D = 350m |
| -214 | " | 字山の根487の6 | " | 温ヶ丘 | " 4. 20 | " | " - 14号 | D = 262m, Q = 300//m, P |
| -215 | " | 字神明1237 | " | | 1966. 1. 27 | " | " - 22号 | D = 355m, Q = 240//m, F |
| -216 | " | 字前河内465の4 | " | 堂之前湯 | " 1. 27 | " | " - 3号 | D = 350m, Q = 43//m, P |
| -217 | " | 字大川原1055の3 | " | 千代田 | " 1. 27 | " | " - 17号 | D = 700m, Q = 150//m, P |
| -218 | " | 字前河内450の1 | " | | " 1. 27 | " | " - 21号 | D = 412m, Q = 60//m, P |
| -219 | " | 字宮下283の1 | " | | " 1. 27 | " | " - 11号 | D = 330m, F |
| -220 | " | 字馬場321の1 | " | 大森の湯 | 1956. 4. 3 | " | " - 9号 | D = 300m, Q = 92//m, F |
| -221 | " | 字前河内465の4 | " | | " 4. 3 | " | " - 3号 | INC-216と同一源泉 |
| -222 | " | 字大崎418の2 | " | | " 2. 17 | " | " - 10号 | D = 368m, Q = 133//m, P |
| -223 | " | 字馬場316 | " | | 1966. 1. 25 | " | " - 8号 | D = 300m, Q = 92//m, F |
| -224 | " | 稲取字小丸山1532の4 | 稲取 | 伏見1号 | 1955. 9. 30 | " | " - 10号 | D = 368m, Q = 133//m, P |
| -225 | " | 字西百尻1596の3 | " | | 1957. 4. 20 | " | " - 8号 | D = 300m, Q = 92//m, F |
| -226 | " | 字立町1428の3 | " | | " 8. 7 | " | INC-242と同一源泉 INC-243と同一源泉 | D = 339m, Q = 400//m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|---------|------------------------|-----|-----|-------|--------------|-------|---------------|---------------------------|
| INC-227 | 静岡県賀茂郡東伊豆町宇福垣宇池尻1617の5 | 稲 | 取水 | 銀水荘 | 1962. 5. 30 | 63 | | D = 345m, Q = 171//m, P |
| " | " | " | " | 大田 | 1964. 12. 9 | " | | D = 381m, Q = 133//m, P |
| " | " | " | " | 小林 | 1961. 6. 6 | " | | D = 400m, Q = 92//m, P |
| " | " | " | " | 小口 | 1965. 4. 21 | " | | D = 600m, Q = 60//m, P |
| " | " | " | " | 觀光2号 | 1967. 9. 7 | " | 42 | D = 331m, Q = 333//m, P |
| " | " | " | " | 觀光1号 | " | " | 42 | Q = 250//m, P |
| " | " | 熱 | 川 | 川 | " | " | 42 | D = 400m, Q = 114//m, P |
| " | " | " | " | 光風3号 | " | " | 42 | Q = 122//m, P |
| " | " | " | " | 光風6号 | " | " | 42 | D = 652m, Q = 42. 8//m, P |
| " | " | 白 | 田 | 山根 | " | " | 42 | D = 440m, Q = 166//m, P |
| " | " | 熱 | 川 | 王の湯 | " | " | 42 | D = 499m, Q = 97. 4//m, P |
| " | " | 大 | 川 | 常夏の湯 | " | " | 42 | D = 350m, Q = 252//m, F |
| " | " | " | " | 稲保1号 | " | " | 42 | D = 600m, Q = 85//m, P |
| " | " | 稲 | 取 | 伏見1号 | 1968. 8. 21 | " | 43 | D = 650m, Q = 17//m, P |
| " | " | " | " | 伏見2号 | " | " | 43 | D = 391m, Q = 120//m, P |
| " | " | 白 | 田 | 伏見2号 | " | " | 43 | D = 290m, Q = 84. 4//m, P |
| " | " | 大 | 川 | みなみ | " | " | 43 | D = 298m, Q = 172//m, P |
| " | " | " | " | 混台泉 | " | " | 43 | Q = 171//m, P |
| " | " | 北 | 川 | つるや1号 | 1. 24 | " | 43 | D = 712m, Q = 400//m, P |
| " | " | " | " | つるや2号 | " | " | 44 | D = 400m, Q = 240//m, P |
| " | " | " | " | つるや3号 | " | " | 44 | INC-167と同一源泉 |
| " | " | 大 | 川 | 宮田 | " | " | 44 | D = 278m, Q = 190//m, P |
| " | " | 稲 | 取 | 金指1号 | " | " | 44 | INC-192と同一源泉 |
| " | " | 大 | 川 | 銀水 | " | " | 44 | D = 322m, Q = 450//m, P |
| " | " | 稲 | 取 | 尾張 | " | " | 44 | D = 600m, Q = 123//m, P |
| " | " | 白 | 田 | 花川 | " | " | 44 | D = 600m, Q = 123//m, P |
| " | " | 熱 | 川 | 川 | " | " | 44 | D = 480m, Q = 53. 3//m, P |
| " | " | 大 | 川 | 浜 | 1969. 11. 21 | " | 44 | D = 600m, Q = 151//m, P |
| " | " | 白 | 田 | 松 | 1970. 6. 18 | " | 45 | D = 400m, Q = 120//m, P |
| " | " | 熱 | 川 | 松 | " | " | 45 | D = 400m, Q = 120//m, P |
| " | " | 白 | 田 | 松 | " | " | 45 | D = 400m, Q = 400//m, P |
| " | " | 熱 | 川 | 松 | 1969. 11. 21 | " | 44 | D = 400m, Q = 108//m, P |
| " | " | 白 | 田 | 松 | 1971. 2. 18 | " | 45 | D = 400m, Q = 286//m, F |
| " | " | 熱 | 川 | 松 | " | " | 46 | D = 325m, Q = 8. 2//m, P |
| " | " | 白 | 田 | 松 | " | " | 46 | Q = 180//m, P, X |
| " | " | 熱 | 川 | 松 | " | " | 46 | Q = 141//m, P, X |
| " | " | 白 | 田 | 松 | " | " | 46 | Q = 70//m, P |
| " | " | 熱 | 川 | 松 | " | " | 46 | D = 556m, Q = 218//m, P |
| " | " | 白 | 田 | 松 | " | " | 46 | Q = 86//m, P |
| " | " | 熱 | 川 | 松 | " | " | 46 | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|---------|-------------------------|-----|-----|------|-------------|-------|-----------|-------------------------|
| INC-264 | 静岡県賀茂郡東伊豆町白田437の2 | 白田 | 川 | 松 | 1973. 6. 18 | 63 | 48 - 11号 | Q = 58l/m, P, X |
| " - 265 | " " " " " " " " " " " " | 熱 | " | 赤 | " 6. 18 | " | 48 - 12号 | D = 507m |
| " - 266 | " " " " " " " " " " " " | " | " | 菱和1号 | 1974. 1. 16 | " | 48 - 37号 | Q = 190l/m, P, X |
| " - 267 | " " " " " " " " " " " " | " | " | 菱和2号 | " 1. 16 | " | 48 - 38号 | D = 400m, Q = 116l/m, P |
| " - 268 | " " " " " " " " " " " " | " | " | 菱和3号 | " 1. 16 | " | 48 - 39号 | D = 250m, Q = 141l/m, P |

備考欄のDは深度 (m), Qは揚 (湧) 水量 (l/m), Pはポンプ揚水, Fは白噴, Xは源泉位置不明を示す.

第22-2表 伊豆北部地域水質一覽表

| | INC 1 | INC 2 | INC 3 | INC 4 |
|----------------------------------|---------|----------|----------|----------|
| NO | 31.0 | 43.5 | 35.8 | 49.7 |
| TEMP | 955.600 | 2887.000 | 2132.000 | 5814.700 |
| PH(FD) | 8.10 | 8.80 | 7.20 | 7.70 |
| PH(LB) | 8.10 | 6.53 | 6.60 | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.046 | 16.070 | 0.411 | 175.950 |
| NA | 5.425 | 259.100 | 11.271 | 1464.750 |
| NH4 | - | - | - | - |
| CA | 248.900 | 626.200 | 31.247 | 250.300 |
| MG | 0.092 | 8.297 | 34.930 | 169.150 |
| FE | 0.450 | 0.031 | 0.489 | 6.200 |
| MN | - | - | - | 0.093 |
| ZN | - | - | - | - |
| CU | - | TP. | - | - |
| PR | - | - | - | - |
| AL | 0.500 | - | - | 5.000 |
| CL | 11.350 | 290.900 | 8.040 | 2328.170 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 0.107 | 0.006 | 0.000 |
| S04 | 540.200 | 1658.000 | 34.520 | 1286.000 |
| S203 | - | - | - | 507.370 |
| HC03 | 19.800 | 26.300 | 0.431 | 8.722 |
| CO3 | - | 0.096 | 0.003 | 656.340 |
| ST02 (MG/KG)(MMOL/KG) | 27.972 | 2.027 | 0.034 | 253.820 |
| HB02 | - | - | - | - |
| H3P04 | 0.127 | 0.064 | 0.001 | - |
| HAS02 | - | 0.032 | 0.000 | 0.005 |
| CO2- | - | - | - | 1.779 |
| H2S | - | - | - | - |
| RN (**E-10 CURIE/L) | - | - | - | - |
| NA/K | 107.273 | 27.418 | 18.444 | 14.157 |
| CA/(HC03+CO3) | 38.272 | 71.956 | 76.922 | 0.650 |
| MG/CA | 0.001 | 0.022 | 0.123 | 1.114 |
| NA/CA | 0.019 | 0.361 | 0.036 | 5.101 |
| CL/(HC03+CO3) | 0.937 | 18.897 | 0.744 | 3.418 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 2.516 | 19.014 | 0.831 | 68.802 |
| S04*100/(CL+S04+HC03+CO3) | 94.933 | 79.980 | 98.054 | 11.066 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.550 | 1.006 | 1.116 | 20.132 |
| (NA+K)*100/(NA+K+CA+MG) | 1.881 | 25.786 | 3.285 | 72.091 |
| CA*100/(NA+K+CA+MG) | 98.060 | 71.648 | 86.150 | 13.199 |
| MG*100/(NA+K+CA+MG) | 0.060 | 1.566 | 10.565 | 14.710 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97.450 | 98.994 | 98.884 | 79.868 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.550 | 1.006 | 1.116 | 20.132 |
| (NA+K)*100/(NA+K+CA+MG) | 1.881 | 25.786 | 3.285 | 72.091 |
| (CA+MG)*100/(NA+K+CA+MG) | 98.119 | 73.214 | 96.715 | 27.909 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC 5 | INC 6 | INC 7 | INC 8 |
|----------------------------------|----------|----------|----------|---------|
| NO | 49.5 | 49.0 | 40.4 | 40.9 |
| TEMP | 1579.200 | 2634.000 | 772.400 | 751.800 |
| TSM | 7.30 | 7.40 | 8.00 | 7.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 3.350 | 12.030 | 0.060 | 0.720 |
| NA | 442.500 | 907.450 | 132.782 | 144.451 |
| NH4 | - | - | 0.031 | 0.024 |
| CA | 53.680 | 56.730 | 104.725 | 33.572 |
| MG | 21.430 | 9.427 | 2.435 | 12.843 |
| FE | 6.631 | 6.801 | 0.333 | 1.500 |
| MN | 3.200 | 3.930 | 0.020 | 0.016 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 0.070 | 0.113 | 0.090 | 0.953 |
| CL | 537.150 | 1387.600 | 177.300 | 198.532 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | 0.276 | 0.173 |
| S04 | 337.400 | 138.200 | 238.500 | 140.552 |
| S203 | - | - | 0.639 | 0.011 |
| HC03 | 37.890 | 30.260 | 51.820 | 2.740 |
| C03 | - | - | 1.032 | 6.992 |
| SI02 (MG/KG)(MMOL/KG) | 69.606 | 60.405 | 30.063 | 47.788 |
| HPO4 | - | - | 12.891 | 3.683 |
| HAS02 | 0.352 | 0.704 | 1.572 | 0.040 |
| C02 | 15.970 | 28.030 | 0.019 | - |
| H2S | - | - | 0.742 | - |
| RN (*F=10 CURIE/L) | - | - | - | - |
| NA/K | 224.625 | 127.569 | 3763.368 | 341.175 |
| CA/(HC03+C03) | 4.313 | 5.708 | 5.935 | 6.027 |
| MG/CA | 0.658 | 0.274 | 0.038 | 0.631 |
| NA/CA | 7.186 | 13.868 | 1.105 | 3.751 |
| CL/(HC03+C03) | 24.400 | 78.926 | 5.681 | 20.149 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 66.464 | 92.066 | 44.404 | 63.608 |
| S04*100/(CL+S04+HC03+C03) | 30.812 | 6.767 | 47.780 | 33.235 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.724 | 1.166 | 7.816 | 3.157 |
| (NA+K)*100/(NA+K+CA+MG) | 81.317 | 91.646 | 51.568 | 69.758 |
| CA*100/(NA+K+CA+MG) | 11.266 | 6.557 | 46.643 | 18.543 |
| MG*100/(NA+K+CA+MG) | 7.417 | 1.797 | 1.788 | 11.698 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.276 | 98.834 | 92.184 | 96.843 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.724 | 1.166 | 7.816 | 3.157 |
| (NA+K)*100/(NA+K+CA+MG) | 81.317 | 91.646 | 51.568 | 69.758 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.683 | 8.354 | 48.432 | 30.242 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC 9 | INC 10 | INC 11 | INC 12 |
|----------------------------------|----------|----------|---------|---------|
| NO | 46.0 | 42.0 | 494.5 | 55.0 |
| TEMP | 3132.000 | 1794.000 | 702.000 | 788.000 |
| TSM | 6.90 | 7.62 | 7.90 | 8.20 |
| PH(FD) | - | 7.32 | 7.56 | 7.40 |
| PH(LB) | | | | |
| H (MG/KG)(MYAL/KG) | | | | |
| K | 8.800 | 18.200 | 2.000 | 2.100 |
| NA | 1046.000 | 579.200 | 167.800 | 152.300 |
| NH4 | | | | |
| CA | 16.120 | 24.300 | 48.600 | 80.000 |
| MG | 36.540 | 17.500 | 0.870 | 1.750 |
| FE | 0.003 | | | |
| MN | 0.100 | | | |
| ZN | | | | |
| CU | 0.020 | | | |
| PB | | | | |
| AL | | | | |
| CL | 1401.000 | 734.600 | 69.870 | 78.440 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 453.300 | 310.200 | 322.600 | 369.600 |
| S203 | | | | |
| HC03 | 60.280 | 79.200 | 70.700 | 55.100 |
| CO3 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 34.680 | 30.003 | 46.004 | 0.766 |
| H3P04 | 0.095 | 1.400 | 4.300 | 0.098 |
| HAS02 | | | | |
| C02 | 24.290 | 0.141 | 0.162 | 0.001 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 202.133 | 54.119 | 142.676 | 123.330 |
| CA/(HC03+C03) | 0.814 | 0.934 | 2.093 | 4.420 |
| MG/CA | 3.738 | 1.188 | 0.030 | 0.036 |
| NA/CA | 56.566 | 20.778 | 3.010 | 1.660 |
| CL/(HC03+C03) | 40.003 | 15.964 | 1.701 | 2.450 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 79.127 | 72.765 | 20.018 | 20.468 |
| S04*100/(CL+S04+HC03+C03) | 18.895 | 22.677 | 68.214 | 71.178 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.978 | 4.558 | 11.769 | 8.353 |
| (NA+K)*100/(NA+K+CA+MG) | 92.306 | 90.631 | 74.645 | 61.756 |
| CA*100/(NA+K+CA+MG) | 1.674 | 4.283 | 24.628 | 36.912 |
| MG*100/(NA+K+CA+MG) | 6.070 | 5.086 | 0.727 | 1.332 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.022 | 95.442 | 88.231 | 91.647 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.978 | 4.558 | 11.769 | 8.353 |
| (NA+K)*100/(NA+K+CA+MG) | 92.306 | 90.631 | 74.645 | 61.756 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.654 | 9.369 | 25.355 | 38.244 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| NO | INC 13 | INC 14 | INC 15 | INC 16 |
|----------------------------------|----------|---------|---------|-----------|
| TEMP | 43.0 | 49.7 | 52.0 | 44.0 |
| TSM | 1088.000 | 754.000 | 782.000 | 10752.000 |
| PH(°F) | 8.00 | 7.60 | 8.40 | 7.80 |
| PH(LB) | 7.32 | 6.70 | 7.70 | 7.20 |
| H (MG/KG) (HVAL/KG) | | | | |
| K | 6.000 | 1.300 | 1.500 | 90.700 |
| NA | 278.100 | 225.000 | 150.400 | 3002.000 |
| NH4 | | | | |
| CA | 62.900 | 17.100 | 72.900 | 537.200 |
| MG | 2.180 | 1.250 | 0.103 | 112.300 |
| FE | | | | |
| MN | | | | |
| ZN | | | | 0.250 |
| CU | | | | |
| PB | | | | |
| AL | | | | 0.200 |
| CL | 306.500 | 99.640 | 77.250 | 5341.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 276.400 | 340.600 | 358.000 | 943.200 |
| S203 | | | | |
| HC03 | 58.100 | 53.400 | 43.000 | 101.200 |
| CO3 | | | | |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 36.003 | 34.003 | 46.004 | 18.002 |
| H3PO4 | 0.400 | 1.100 | 1.800 | 4.300 |
| HAS02 | | | | |
| CO2 | 0.093 | 0.064 | 0.047 | 0.040 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 78.820 | 294.325 | 170.508 | 56.285 |
| CA/(HC03+CO3) | 3.296 | 0.975 | 5.162 | 16.161 |
| MG/CA | 0.057 | 0.121 | - | 0.345 |
| NA/CA | 3.854 | 11.470 | 1.798 | 4.872 |
| CL/(HC03+CO3) | 9.080 | 3.212 | 3.092 | 90.838 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 55.563 | 26.081 | 21.081 | 87.616 |
| S04*100/(CL+S04+HC03+CO3) | 38.318 | 65.798 | 72.102 | 11.419 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 6.119 | 8.121 | 6.818 | 0.965 |
| (NA+K)*100/(NA+K+CA+MG) | 78.888 | 91.128 | - | 78.664 |
| CA*100/(NA+K+CA+MG) | 20.160 | 7.918 | - | 15.866 |
| MG*100/(NA+K+CA+MG) | 1.152 | 0.954 | - | 5.470 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 93.881 | 91.879 | 93.182 | 99.035 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 6.119 | 8.121 | 6.818 | 0.965 |
| (NA+K)*100/(NA+K+CA+MG) | 78.888 | 91.128 | - | 78.664 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.312 | 8.872 | - | 21.336 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| | INC 17 | INC 18 | INC 19 | INC 20 |
|----------------------------------|---------|----------|---------|-----------|
| NO | 51.0 | 46.0 | 43.0 | 43.0 |
| TEMP | 786.000 | 3366.000 | - | 13952.000 |
| TSM | 7.66 | 7.78 | 7.62 | 7.50 |
| PH(FD) | 7.42 | 7.11 | - | 7.10 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 2.000 | 37.500 | 0.959 | 99.500 |
| NA | 172.400 | 976.300 | 42.469 | 3703.000 |
| NH4 | - | - | - | - |
| CA | 57.100 | 137.100 | 6.841 | 508.600 |
| MG | 5.680 | 75.350 | 6.201 | 314.100 |
| FE | - | - | - | 0.001 |
| MN | - | - | - | 0.700 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | 0.400 | 0.400 |
| CL | 102.200 | 1635.000 | 46.123 | 6671.500 |
| BP | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 340.700 | 446.000 | 9.286 | 1168.600 |
| S203 | - | - | - | - |
| HCO3 | 54.200 | 63.400 | 1.039 | 129.000 |
| CO3 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 24.002 | - | - | 50.005 |
| HR02 | 1.400 | 39.000 | 0.890 | 7.300 |
| H3PO4 | - | - | - | - |
| HA502 | 0.062 | 1.136 | 0.011 | 0.007 |
| CO2 | - | - | - | - |
| H2S | - | - | - | - |
| RN (#E-10 CURIE/L) | - | - | - | - |
| NA/K | 146.587 | 44.273 | 9.138 | 63.288 |
| CA/(HCO3+CO3) | 3.207 | 6.584 | 26.773 | 12.004 |
| MG/CA | 0.164 | 0.906 | 0.659 | 1.018 |
| NA/CA | 2.632 | 6.208 | 0.387 | 6.347 |
| CL/(HCO3+CO3) | 3.245 | 44.587 | 131.659 | 89.014 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 26.536 | 81.709 | 88.201 | 87.680 |
| S04*100/(CL+S04+HCO3+CO3) | 65.288 | 16.450 | 11.129 | 11.335 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.176 | 1.841 | 0.670 | 0.985 |
| (NA+K)*100/(NA+K+CA+MG) | 69.480 | 76.905 | 20.371 | 76.157 |
| CA*100/(NA+K+CA+MG) | 26.219 | 12.115 | 47.866 | 11.812 |
| MG*100/(NA+K+CA+MG) | 4.301 | 10.980 | 31.564 | 12.030 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.824 | 98.159 | 99.330 | 99.015 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.176 | 1.841 | 0.670 | 0.985 |
| (NA+K)*100/(NA+K+CA+MG) | 69.480 | 76.905 | 20.371 | 76.157 |
| (CA+MG)*100/(NA+K+CA+MG) | 30.520 | 23.095 | 79.429 | 23.843 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| NO | INC 21 | INC 22 | INC 23 | INC 24 |
|----------------------------------|---------|----------|-----------|---------|
| TEMP | 47.5 | 47.8 | 48.5 | 51.8 |
| TSM | 666,000 | 8450,000 | 1,450,000 | 864,000 |
| PH(FD) | 7.70 | 7.66 | 7.80 | 7.68 |
| PH(LB) | 7.35 | 7.00 | 7.00 | 7.68 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1,500 | 7,900 | 14,900 | |
| NA | 127,700 | 2337,000 | 380,600 | 176,100 |
| NH4 | | | | |
| CA | 68,600 | 167,100 | 55,500 | 81,400 |
| MG | 3,500 | 233,700 | 31,850 | 3,500 |
| FE | | 0,001 | 0,001 | |
| MN | | 0,700 | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | 0,700 | | |
| CL | 69,150 | 3998,000 | 477,800 | 133,800 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 310,400 | 830,400 | 381,000 | 351,700 |
| S203 | | | | |
| HC03 | 54,200 | 81,050 | 51,300 | 56,100 |
| C03 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 32,003 | 70,006 | 90,008 | 50,005 |
| H3PO4 | 1,100 | 4,300 | 2,100 | 2,800 |
| HAS02 | | | | |
| C02 | 0,049 | 0,030 | 0,151 | 0,001 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 175,725 | 503,061 | 43,438 | |
| CA/(HC03+C03) | 3,853 | 6,281 | 3,294 | 4,418 |
| MG/CA | 0,084 | 2,306 | 0,948 | 0,071 |
| NA/CA | 1,823 | 12,192 | 3,978 | 1,886 |
| CL/(HC03+C03) | 2,196 | 84,954 | 16,031 | 4,105 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 20,972 | 85,832 | 60,573 | 31,411 |
| S04*100/(CL+S04+HC03+C03) | 69,478 | 13,157 | 35,608 | 60,937 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9,550 | 1,010 | 3,779 | 7,652 |
| (NA+K)*100/(NA+K+CA+MG) | 60,125 | 78,699 | 75,847 | |
| CA*100/(NA+K+CA+MG) | 35,780 | 6,442 | 12,402 | |
| MG*100/(NA+K+CA+MG) | 3,095 | 14,858 | 11,752 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90,450 | 98,990 | 96,221 | 92,348 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9,550 | 1,010 | 3,779 | 7,652 |
| (NA+K)*100/(NA+K+CA+MG) | 60,125 | 78,699 | 75,847 | |
| (CA+MG)*100/(NA+K+CA+MG) | 39,875 | 21,301 | 24,153 | |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC 25 | INC 26 | INC 27 | INC 28 |
|----------------------------------|---------|-----------|----------|---------|
| NO | 56.0 | 55.0 | 49.0 | 49.5 |
| TEMP | 816.000 | 706.000 | 4904.000 | 674.000 |
| PH(FD) | 8.12 | 8.20 | 7.57 | 8.00 |
| PH(LB) | 7.50 | 7.98 | 7.21 | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 0.900 | 0.023 | 0.026 | 0.112 |
| NA | 178.800 | 7.789 | 6.864 | 6.551 |
| NH4 | - | - | - | - |
| CA | 74.300 | 3.708 | 3.423 | 4.389 |
| MG | 1.250 | 0.103 | 0.072 | 150.600 |
| FE | - | - | - | 49.090 |
| MN | - | - | - | 1.082 |
| ZN | - | - | - | 0.200 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | 0.075 |
| CL | 77.100 | 2.175 | 2.132 | 131.400 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 354.800 | 7.387 | 7.310 | 225.100 |
| S2O3 | - | - | - | - |
| HCO3 | 57.500 | 0.942 | 0.934 | 32.880 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 34.003 | 0.566 | 0.799 | 59.075 |
| HR02 | 3.600 | 0.082 | 0.048 | - |
| H3PO4 | - | - | - | - |
| HAS02 | 0.040 | 0.000 | 0.001 | 14.978 |
| CO2 | - | - | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURTE/L) | - | - | - | - |
| NA/K | 337.464 | 2.683.346 | 61.269 | 58.351 |
| CA/(HCO3+CO3) | 3.934 | 3.664 | 3.590 | 4.546 |
| MG/CA | 0.028 | 0.021 | 1.377 | 0.036 |
| NA/CA | 2.095 | 2.005 | 6.020 | 2.674 |
| CL/(HCO3+CO3) | 2.308 | 2.282 | 60.670 | 6.878 |
| CL/F | - | - | - | - |
| CL*100/(CL+SO4+HCO3+CO3) | 20.706 | 20.548 | 83.138 | 41.499 |
| SO4*100/(CL+SO4+HCO3+CO3) | 70.323 | 70.448 | 15.492 | 52.468 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 8.972 | 9.004 | 1.370 | 6.033 |
| (NA+K)*100/(NA+K+CA+MG) | 67.159 | 66.347 | 72.019 | 72.412 |
| CA*100/(NA+K+CA+MG) | 31.955 | 32.964 | 11.771 | 26.620 |
| MG*100/(NA+K+CA+MG) | 0.887 | 0.689 | 16.209 | 0.968 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 91.028 | 90.996 | 98.630 | 93.967 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 8.972 | 9.004 | 1.370 | 6.033 |
| (NA+K)*100/(NA+K+CA+MG) | 67.159 | 66.347 | 72.019 | 72.412 |
| (CA+MG)*100/(NA+K+CA+MG) | 32.841 | 33.653 | 27.981 | 27.588 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC 29 | INC 30 | INC 31 | INC 32 |
|----------------------------------|---------|-----------|----------|---------|
| NO | 49.5 | 42.0 | 42.5 | 50.7 |
| TEMP | 768.000 | 11353.000 | 1846.000 | 727.600 |
| TSM | 8.00 | 7.60 | 8.30 | 8.40 |
| PH(FD) | 7.80 | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 4.039 | 3.843 | 3.922 | 4.898 |
| NA | 126.100 | 2839.000 | 364.800 | 246.461 |
| NH4 | - | - | - | - |
| CA | 52.780 | 1058.000 | 219.100 | 37.152 |
| MG | 1.449 | 171.000 | 25.190 | 25.556 |
| FE | - | - | - | 0.110 |
| MN | 0.200 | 0.100 | 0.400 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.100 | 0.050 | 0.050 | 8.992 |
| CL | 114.600 | 5443.000 | 566.200 | 299.026 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 315.200 | 1764.000 | 593.900 | 320.722 |
| S203 | - | - | - | - |
| HCO3 | 36.620 | 35.870 | 28.370 | 20.980 |
| C03 | - | - | 0.816 | 2.651 |
| SI02 (MG/KG) (MMOL/KG) | - | - | - | - |
| HB02 | 57.074 | 64.406 | 22.071 | 31.103 |
| H3P04 | 5.507 | 11.629 | 9.907 | - |
| HAS02 | - | - | - | - |
| C02 | 15.050 | 6.521 | - | 2.505 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 53.092 | 1256.272 | 158.174 | 85.569 |
| CA/(HCO3+C03) | 7.714 | 89.800 | 22.214 | 4.289 |
| MG/CA | 0.026 | 0.267 | 0.190 | 1.134 |
| NA/CA | 1.185 | 2.339 | 1.451 | 5.783 |
| CL/(HCO3+C03) | 5.386 | 261.175 | 32.452 | 19.517 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 31.099 | 80.449 | 55.403 | 54.265 |
| S04*100/(CL+S04+HCO3+C03) | 63.128 | 19.242 | 42.890 | 42.955 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 5.774 | 0.308 | 1.707 | 2.780 |
| (NA+K)*100/(NA+K+CA+MG) | 54.061 | 64.893 | 55.113 | 73.270 |
| CA*100/(NA+K+CA+MG) | 44.785 | 27.719 | 37.733 | 12.524 |
| MG*100/(NA+K+CA+MG) | 1.153 | 7.388 | 7.154 | 14.206 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 94.226 | 99.692 | 98.293 | 97.220 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 5.774 | 0.308 | 1.707 | 2.780 |
| (NA+K)*100/(NA+K+CA+MG) | 54.061 | 64.893 | 55.113 | 73.270 |
| (CA+MG)*100/(NA+K+CA+MG) | 45.939 | 35.107 | 44.887 | 26.730 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | JNC 33 | JNC 34 | JNC 35 | JNC 36 |
|----------------------------------|---------|---------|----------|----------|
| NO | 50.2 | 55.5 | 45.0 | 40.5 |
| TEMP | 731.000 | 768.000 | 1424.000 | 1182.000 |
| TSM | 8.31 | - | 7.28 | 7.50 |
| PH(FD) | - | - | 7.14 | 7.42 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 1.192 | 2.400 | 0.061 | 0.141 |
| NA | 175.760 | 170.830 | 7.431 | 17.561 |
| NH4 | - | - | - | - |
| CA | 64.350 | 65.770 | 3.282 | 1.818 |
| MG | 0.749 | 0.723 | 0.060 | 1.870 |
| FE | - | 2.732 | - | - |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.005 | 0.005 | 0.001 | - |
| CL | 2.064 | 81.860 | 2.309 | 423.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 10.104 | - | - |
| S04 | 323.250 | 333.020 | 0.584 | - |
| S203 | 18.000 | 6.333 | - | 234.800 |
| HCO3 | 2.750 | - | 6.804 | 4.889 |
| C03 | 5.100 | 23.490 | 0.385 | 67.600 |
| | | 13.494 | 0.450 | - |
| ST02 (MG/KG)(MMOL/KG) | 32.172 | 35.193 | 0.586 | - |
| H802 | - | - | 40.004 | 0.666 |
| H3P04 | 0.317 | 0.271 | 2.100 | 0.048 |
| HAS02 | - | - | - | - |
| C02 | - | - | 0.162 | 0.001 |
| H2S | - | - | - | - |
| RN (*F-10 CURT/L) | - | - | - | - |
| NA/K | 250.745 | 121.044 | 124.820 | 122.773 |
| CA/(HCO3+C03) | 14.931 | 3.332 | 2.013 | 0.644 |
| MG/CA | 0.019 | 0.018 | 1.028 | 1.411 |
| NA/CA | 2.381 | 2.264 | 9.660 | 22.462 |
| CL/(HCO3+C03) | 0.271 | 2.766 | 15.144 | 10.770 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 0.831 | 22.915 | 63.958 | 66.555 |
| S04*100/(CL+S04+HCO3+C03) | 96.098 | 68.802 | 31.819 | 27.266 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 3.071 | 8.283 | 4.223 | 6.180 |
| (NA+K)*100/(NA+K+CA+MG) | 70.109 | 69.155 | 82.760 | 90.376 |
| CA*100/(NA+K+CA+MG) | 29.378 | 30.292 | 8.499 | 3.991 |
| MG*100/(NA+K+CA+MG) | 0.563 | 0.553 | 8.741 | 5.633 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 96.929 | 91.717 | 95.777 | 93.820 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 3.071 | 8.283 | 4.223 | 6.180 |
| (NA+K)*100/(NA+K+CA+MG) | 70.109 | 69.155 | 82.760 | 90.376 |
| (CA+MG)*100/(NA+K+CA+MG) | 29.891 | 30.845 | 17.240 | 9.624 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC 37 | INC 38 | INC 39 | INC 40 |
|----------------------------------|----------|----------|-----------|---------|
| NO | | | | |
| TEMP | 42.7 | 42.7 | 46.0 | 51.0 |
| TSM | 8310.000 | 1900.000 | 14750.000 | 786.000 |
| PH(FD) | 7.40 | 8.05 | 7.50 | 7.40 |
| PH(LR) | 7.17 | 7.33 | 7.49 | 8.00 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 64.400 | 1.647 | 1.663 | 1.600 |
| NA | 2308.000 | 100.398 | 3807.000 | 145.800 |
| NH4 | | | | |
| CA | 270.000 | 13.473 | 542.900 | 64.200 |
| MG | 188.700 | 15.528 | 369.200 | 2.180 |
| FE | | | | |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 0.490 | 0.044 | 1.000 | |
| CL | 4034.000 | 113.799 | 7033.800 | 57.090 |
| BP | | | | |
| I | | | | 0.021 |
| F | | | | 0.000 |
| OH | | | | |
| SO4 | 737.400 | 15.353 | 1171.200 | 351.200 |
| S2O3 | | | | |
| HCO3 | 77.500 | 1.434 | 119.500 | 51.600 |
| CO3 | | | | |
| STO2 (MG/KG) (MMOL/KG) | | | | |
| H2O2 | 38.003 | 0.633 | 42.004 | 34.003 |
| H3PO4 | 4.300 | 0.098 | 3.500 | 1.300 |
| HASO2 | | | | |
| CO2 | 0.014 | 0.000 | 0.011 | 0.087 |
| H2S | | | | |
| RN (*10 CURIE/L) | | | | |
| NA/K | 60.945 | 59.406 | 99.600 | 154.962 |
| CA/(HCO3+CO3) | 9.395 | 2.442 | 13.832 | 3.788 |
| MG/PA | 1.153 | 0.476 | 1.121 | 0.056 |
| NA/CA | 7.452 | 9.254 | 6.113 | 1.980 |
| CL/(HCO3+CO3) | 79.351 | 24.249 | 101.309 | 1.904 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 87.145 | 77.700 | 88.280 | 16.487 |
| S04*100/(CL+S04+HCO3+CO3) | 11.757 | 19.095 | 10.849 | 74.855 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.098 | 3.204 | 0.871 | 8.658 |
| (NA+K)*100/(NA+K+CA+MG) | 77.870 | 86.444 | 74.427 | 65.360 |
| CA*100/(NA+K+CA+MG) | 10.281 | 9.187 | 12.054 | 32.803 |
| MG*100/(NA+K+CA+MG) | 11.849 | 4.369 | 13.519 | 1.837 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.902 | 96.796 | 99.129 | 91.342 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.098 | 3.204 | 0.871 | 8.658 |
| (NA+K)*100/(NA+K+CA+MG) | 77.870 | 86.444 | 74.427 | 65.360 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.130 | 13.556 | 25.573 | 34.640 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC 41 | INC 42 | INC 43 | INC 44 |
|----------------------------------|----------|----------|----------|-----------|
| NO | 47.0 | 47.3 | 42.7 | 43.2 |
| TEMP | 1808.000 | 3092.000 | 4492.000 | 18308.000 |
| TSM | 7.78 | 7.46 | 7.90 | 7.30 |
| PH(FD) | 7.61 | 6.72 | 7.18 | 6.89 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 23.700 | 0.606 | 41.600 | 115.000 |
| NA | 482.400 | 20.984 | 1320.000 | 4595.000 |
| NH4 | | 17.500 | 0.448 | 1.064 |
| CA | 42.800 | 2.136 | 97.100 | 4.845 |
| MG | 28.400 | 2.337 | 109.200 | 8.986 |
| FE | | | 0.200 | 0.007 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PP | | | | |
| AL | | | TR. | 1.000 |
| CL | 634.800 | 17.908 | 2096.000 | 8964.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 349.800 | 7.283 | 560.300 | 1385.000 |
| SO3 | | | | |
| HC03 | 59.600 | 0.977 | 91.300 | 91.100 |
| CO3 | | | | |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 50.005 | 0.833 | 40.004 | 20.233 |
| H3P04 | 2.800 | 0.064 | 2.800 | 6.400 |
| HAS02 | 0.172 | 0.002 | 0.131 | 0.001 |
| CO2 | | | | |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 34.614 | 85.018 | 53.960 | 67.948 |
| CA/(HC03+CO3) | 2.186 | 3.738 | 3.238 | 29.463 |
| MG/CA | 1.094 | 1.298 | 1.855 | 0.824 |
| NA/CA | 9.825 | 9.892 | 11.851 | 4.544 |
| CL/(HC03+CO3) | 18.332 | 36.158 | 39.513 | 169.359 |
| CL/F | | | | |
| CL*100/(CL+SO4+HC03+CO3) | 68.435 | 78.637 | 81.793 | 89.291 |
| SO4*100/(CL+SO4+HC03+CO3) | 27.832 | 19.189 | 16.137 | 10.182 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 3.733 | 2.175 | 2.070 | 0.527 |
| (NA+K)*100/(NA+K+CA+MG) | 82.839 | 81.325 | 80.874 | 71.655 |
| CA*100/(NA+K+CA+MG) | 8.194 | 8.126 | 6.700 | 15.542 |
| MG*100/(NA+K+CA+MG) | 8.967 | 10.550 | 12.426 | 12.803 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 96.267 | 97.825 | 97.930 | 99.473 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 3.733 | 2.175 | 2.070 | 0.527 |
| (NA+K)*100/(NA+K+CA+MG) | 82.839 | 81.325 | 80.874 | 71.655 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.161 | 18.675 | 19.126 | 28.345 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC 45 | INC 46 | INC 47 | INC 48 |
|----------------------------------|----------|----------|---------|---------|
| NO | 48.0 | 42.0 | 52.3 | 49.8 |
| TEMP | 6226.000 | 8715.000 | 774.000 | 654.000 |
| TSM | 7.23 | 7.30 | 8.13 | 8.20 |
| PH(FD) | 6.75 | 6.92 | 7.48 | 7.45 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 41.500 | 1.062 | 0.041 | 0.056 |
| NA | 1650.000 | 71.775 | 161.900 | 5.438 |
| NH4 | | 2061.000 | 125.000 | |
| CA | 214.300 | 10.694 | 64.200 | 3.922 |
| MG | 190.000 | 15.635 | 1.250 | 0.360 |
| FE | | | | |
| MN | 0.300 | 0.011 | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.500 | 0.056 | | |
| CL | 2908.000 | 82.035 | 72.400 | 2.079 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 770.700 | 16.046 | 360.400 | 6.904 |
| S203 | | | | |
| HC03 | | | | |
| C03 | 66.300 | 1.087 | 49.700 | 0.787 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 12.001 | 0.200 | 28.003 | 0.833 |
| H3P04 | 4.300 | 0.098 | 2.800 | 0.048 |
| HAS02 | | | | |
| C02 | 0.131 | 0.001 | 0.027 | 0.000 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 67.612 | 92.232 | 172.074 | 96.622 |
| CA/(HC03+C03) | 9.841 | 25.228 | 3.933 | 4.985 |
| MG/CA | 1.462 | 0.741 | 0.032 | 0.092 |
| NA/CA | 6.712 | 3.336 | 2.198 | 1.386 |
| CL/(HC03+C03) | 75.493 | 112.512 | 2.507 | 2.642 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 82.724 | 86.978 | 19.713 | 21.276 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 16.181 | 12.249 | 72.424 | 70.671 |
| | 1.096 | 0.773 | 7.862 | 8.053 |
| (NA+K)*100/(NA+K+CA+MG) | | | | |
| CA*100/(NA+K+CA+MG) | 73.450 | 65.950 | 68.177 | 56.199 |
| MG*100/(NA+K+CA+MG) | 10.784 | 19.558 | 30.833 | 40.122 |
| | 15.767 | 14.452 | 0.990 | 3.679 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.904 | 99.227 | 92.138 | 91.947 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.096 | 0.773 | 7.862 | 8.053 |
| (NA+K)*100/(NA+K+CA+MG) | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 73.450 | 65.950 | 68.177 | 56.199 |
| | 26.550 | 34.050 | 31.823 | 43.801 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| NO | INC 49 | | INC 50 | | INC 51 | | INC 52 | |
|----------------------------------|---------|---------|-----------|---------|-----------|---------|-----------|---------|
| | | | | | | | | |
| TEMP | 52.3 | 49.5 | 51.8 | 50.0 | 51.8 | 50.0 | 51.8 | 50.0 |
| TSM | 702,800 | 744,100 | 1,607,000 | 506,200 | 1,607,000 | 506,200 | 1,607,000 | 506,200 |
| PH(FD) | 7.20 | 8.20 | 7.50 | 8.50 | 7.50 | 8.50 | 7.50 | 8.50 |
| PH(LB) | 7.60 | 7.50 | 7.50 | 8.60 | 7.50 | 8.60 | 7.50 | 8.60 |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 2.950 | 0.076 | 2.658 | 0.068 | 6.984 | 0.179 | 1.725 | 0.044 |
| NA | 130.600 | 5.681 | 145.200 | 6.342 | 305.200 | 13.276 | 129.200 | 5.620 |
| NH4 | | | | | | | | |
| CA | 65.120 | 3.249 | 64.500 | 3.219 | 185.800 | 9.271 | 30.180 | 1.506 |
| MG | 10.790 | 0.888 | 8.316 | 0.684 | 35.460 | 2.918 | 0.935 | 0.077 |
| FE | 0.750 | 0.027 | 0.524 | 0.019 | 0.690 | 0.025 | | |
| NN | | | 1.400 | 0.051 | 1.400 | 0.051 | 0.074 | 0.003 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | 0.984 | 0.109 |
| CL | 95.130 | 2.402 | 89.000 | 2.511 | 619.100 | 17.465 | 90.310 | 2.548 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 345.170 | 7.135 | 366.200 | 7.624 | 377.000 | 7.849 | 205.600 | 4.281 |
| S203 | | | | | | | | |
| HCO3 | 95.860 | 0.424 | 20.810 | 0.341 | 29.010 | 0.475 | 29.840 | 0.489 |
| CO3 | | | | | | | 0.540 | 0.018 |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HR02 | 31.126 | 0.518 | 37.265 | 0.620 | 42.035 | 0.700 | 21.999 | 0.366 |
| H3P04 | 2.270 | 0.052 | 1.987 | 0.045 | 2.554 | 0.058 | | |
| HAS02 | 0.065 | 0.001 | | | 30.826 | 0.315 | | |
| CO2 | | | 0.058 | 0.001 | 0.057 | 0.001 | 0.086 | 0.001 |
| H2S | | | | | | | 0.229 | 0.005 |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 74,597 | | 93,281 | | 74,314 | | 127,369 | |
| CA/(HCO3+CO3) | 7,667 | | 9,436 | | 19,499 | | 2,970 | |
| MG/CA | 0.273 | | 0.213 | | 0.315 | | 0.051 | |
| NA/CA | 1,748 | | 1,971 | | 1,432 | | 3,732 | |
| CL/(HCO3+CO3) | 5,656 | | 7,361 | | 36,731 | | 5,024 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 23.990 | | 23.966 | | 67.721 | | 34.731 | |
| S04*100/(CL+S04+HCO3+CO3) | 71.776 | | 72.278 | | 30.435 | | 58.356 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 4.234 | | 3.256 | | 1.844 | | 6.913 | |
| (NA+K)*100/(NA+K+CA+MG) | 58.136 | | 62.156 | | 52.467 | | 78.158 | |
| CA*100/(NA+K+CA+MG) | 32.801 | | 31.208 | | 36.154 | | 20.780 | |
| MG*100/(NA+K+CA+MG) | 3.974 | | 6.635 | | 11.379 | | 1.062 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 95.756 | | 96.744 | | 98.156 | | 93.087 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 4.234 | | 3.256 | | 1.844 | | 6.913 | |
| (NA+K)*100/(NA+K+CA+MG) | 58.136 | | 62.156 | | 52.467 | | 78.158 | |
| (CA+MG)*100/(NA+K+CA+MG) | 41.814 | | 37.844 | | 47.533 | | 21.842 | |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| NO | INC 53 | INC 54 | INC 55 | INC 56 |
|----------------------------------|----------|----------|----------|---------|
| TEMP | 56.3 | 51.8 | 50.0 | 53.0 |
| TSM | 1732.300 | 1525.000 | 1434.000 | 921.000 |
| PH(FD) | 8.20 | 8.10 | 7.70 | 8.00 |
| PH(CR) | 7.50 | 7.50 | 8.20 | 8.20 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 13.290 | 0.340 | 0.136 | 0.136 |
| NA | 299.200 | 13.015 | 211.100 | 5.305 |
| NR4 | | | 3.430 | 175.000 |
| CA | 248.700 | 12.410 | 192.400 | 106.000 |
| MG | 17.410 | 1.433 | 2.287 | 1.751 |
| FF | 0.770 | 0.028 | 0.050 | 0.330 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 0.155 | 0.043 |
| CL | 595.700 | 16.805 | 552.800 | 162.100 |
| BR | - | - | 306.200 | 8.638 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 474.300 | 10.083 | 392.000 | 0.017 |
| S203 | - | - | 575.400 | 385.900 |
| HCO3 | 19.870 | 0.326 | 20.770 | 0.340 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 40.927 | 0.681 | 10.863 | 0.181 |
| HB02 | 1.419 | 0.032 | - | - |
| H3P04 | 0.132 | 0.001 | 0.024 | 0.037 |
| HAS02 | - | - | 1.581 | 1.755 |
| C02 | - | - | - | 0.040 |
| H2S | - | - | - | 0.034 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 38.285 | 67.529 | 126.128 | 56.097 |
| CA/(HCO3+CO3) | 38.107 | 37.836 | 28.203 | 9.379 |
| MG/CA | 0.115 | 0.295 | 0.020 | 0.027 |
| NA/CA | 1.049 | 0.810 | 1.153 | 1.439 |
| CL/(HCO3+CO3) | 51.690 | 52.021 | 25.374 | 8.108 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 61.751 | 64.827 | 41.215 | 34.718 |
| S04*100/(CL+S04+HCO3+CO3) | 37.052 | 33.927 | 57.161 | 61.000 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.197 | 1.246 | 1.624 | 4.282 |
| (NA+K)*100/(NA+K+CA+MG) | 49.104 | 38.821 | 53.259 | 58.780 |
| CA*100/(NA+K+CA+MG) | 45.629 | 47.251 | 45.842 | 40.127 |
| MG*100/(NA+K+CA+MG) | 5.268 | 13.928 | 0.899 | 1.093 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.803 | 98.754 | 98.376 | 95.718 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.197 | 1.246 | 1.624 | 4.282 |
| (NA+K)*100/(NA+K+CA+MG) | 49.104 | 38.821 | 53.259 | 58.780 |
| (CA+MG)*100/(NA+K+CA+MG) | 50.896 | 61.179 | 46.741 | 41.220 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC 57 | INC 58 | INC 59 | INC 60 |
|----------------------------------|----------|---------|----------|---------|
| NO | 46.2 | 53.2 | 47.5 | 46.0 |
| TEMP | 6536.000 | 716.400 | 1768.000 | 791.800 |
| TSM | 7.70 | 8.50 | 7.90 | 7.90 |
| PH(FD) | 7.70 | 8.40 | 7.60 | 7.80 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 30.590 | 3.237 | 0.083 | 3.921 |
| NA | 1820.000 | 153.300 | 6.669 | 193.200 |
| NH4 | | | | |
| CA | 301.000 | 57.220 | 2.855 | 40.050 |
| MG | 187.900 | 1.165 | 0.096 | 8.385 |
| FE | 0.244 | 0.030 | 0.001 | 0.016 |
| MN | 0.169 | | 0.039 | 0.001 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 0.067 | 0.020 | 0.002 | 0.029 |
| CL | 3373.000 | 66.160 | 1.866 | 197.700 |
| BR | | 2.500 | 0.031 | 2.800 |
| I | | | | |
| F | | | | |
| OH | 0.019 | 0.054 | 0.003 | 0.014 |
| S04 | 655.700 | 349.700 | 7.281 | 230.800 |
| S203 | | | | |
| HCO3 | 96.270 | 28.460 | 0.466 | 46.390 |
| CO3 | 0.370 | 0.522 | 0.017 | 0.210 |
| ST02 (MG/KG) (MMOL/KG) | 44.125 | 37.317 | 0.621 | 45.885 |
| HR02 | | | | |
| H3PO4 | | | | |
| HAS02 | 0.080 | 0.080 | 0.001 | |
| CO2 | 0.312 | 0.220 | 0.107 | 0.108 |
| H2S | 0.034 | | 1.762 | 1.448 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 101.177 | 80.536 | | 83.791 |
| CA/(HCO3+CO3) | 9.006 | 5.901 | 62.400 | 2.604 |
| MG/CA | 1.029 | 0.034 | 2.435 | 0.345 |
| NA/CA | 5.271 | 2.336 | 9.318 | 4.205 |
| CL/(HCO3+CO3) | 59.587 | 3.857 | 20.591 | 7.268 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 86.188 | 19.379 | 72.682 | 50.020 |
| S04*100/(CL+S04+HCO3+CO3) | 12.366 | 75.597 | 23.789 | 43.098 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.446 | 5.024 | 3.530 | 6.882 |
| (NA+K)*100/(NA+K+CA+MG) | 72.398 | 69.584 | | 75.981 |
| CA*100/(NA+K+CA+MG) | 13.601 | 29.428 | | 17.855 |
| MG*100/(NA+K+CA+MG) | 14.001 | 0.988 | | 6.165 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.554 | 94.976 | 96.470 | 93.118 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.446 | 5.024 | 3.530 | 6.882 |
| (NA+K)*100/(NA+K+CA+MG) | 72.398 | 69.584 | | 75.981 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.602 | 30.416 | | 24.019 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC 61 | INC 62 | INC 63 | INC 64 |
|----------------------------------|---------|---------|---------|----------|
| NO | 53.2 | 51.0 | 51.5 | 55.0 |
| TEMP | 712.600 | 471.200 | 549.800 | 1354.400 |
| PH(FD) | 8.00 | 8.70 | 8.50 | 8.20 |
| PH(LB) | 7.00 | 8.80 | 8.60 | 7.00 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.212 | 0.031 | 0.040 | 0.055 |
| NA | 138.000 | 6.003 | 4.802 | 5.094 |
| NH4 | | 110.400 | 117.100 | 2.135 |
| CA | 59.440 | 3.465 | 1.444 | 2.027 |
| MG | 1.777 | 0.569 | 0.047 | 0.322 |
| FF | 0.392 | 0.011 | 0.002 | 0.004 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | | 0.122 | 0.014 | 0.012 |
| CL | 71.630 | 2.021 | 1.478 | 1.948 |
| BR | | 1.120 | 0.014 | 0.024 |
| I | | | | |
| F | | | | |
| OH | | 0.085 | 0.005 | 0.003 |
| S04 | 356.400 | 201.000 | 4.185 | 4.670 |
| S203 | | | 224.300 | |
| HC03 | 36.300 | 0.604 | 0.391 | 0.509 |
| C03 | | 3.033 | 0.101 | 0.019 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 1.773 | 0.696 | 0.432 | 0.677 |
| H3PO4 | 1.874 | 0.043 | 1.770 | 0.040 |
| HAS02 | 1.544 | 0.016 | | |
| C02 | | 0.065 | 0.001 | 0.001 |
| H2S | | 1.144 | 0.026 | 0.005 |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 193.627 | 119.732 | | |
| CA/(HC03+C03) | 5.732 | 2.937 | 93.271 | 34.934 |
| MG/CA | 0.042 | 0.032 | 0.016 | 0.043 |
| NA/CA | 1.732 | 3.326 | 2.512 | 1.483 |
| CL/(HC03+C03) | 3.343 | 3.007 | 3.690 | 23.985 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 20.985 | 24.021 | 27.265 | 58.616 |
| S04*100/(CL+S04+HC03+C03) | 72.737 | 67.991 | 65.347 | 38.940 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.278 | 7.988 | 7.388 | 2.444 |
| (NA+K)*100/(NA+K+CA+MG) | 62.559 | 76.459 | 71.429 | 59.394 |
| CA*100/(NA+K+CA+MG) | 35.925 | 22.801 | 28.128 | 38.930 |
| MG*100/(NA+K+CA+MG) | 1.516 | 0.739 | 0.443 | 1.676 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.722 | 92.012 | 92.612 | 97.556 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.278 | 7.988 | 7.388 | 2.444 |
| (NA+K)*100/(NA+K+CA+MG) | 62.559 | 76.459 | 71.429 | 59.394 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.441 | 23.541 | 28.571 | 40.606 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC 65 | INC 66 | INC 67 | INC 68 |
|----------------------------------|----------|----------|-----------|---------|
| NO | 51.5 | 47.2 | 52.0 | 54.1 |
| TEMP | 9022.000 | 1119.600 | 10370.000 | 715.400 |
| TSM | 7.80 | 8.00 | 7.90 | 8.20 |
| PH(FD) | 6.80 | 7.00 | 6.45 | 7.53 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 9.941 | 7.732 | 50.130 | 4.012 |
| NA | 1515.600 | 254.900 | 1521.000 | 141.200 |
| NH4 | | | | |
| CA | 1407.600 | 55.750 | 2116.000 | 79.840 |
| MG | 177.800 | 11.970 | 38.980 | 2.230 |
| FE | 0.882 | 0.227 | 0.334 | 0.020 |
| MN | 0.112 | 0.004 | 0.013 | 0.000 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 4652.400 | 332.700 | 4237.000 | 53.500 |
| BR | 0.866 | 0.466 | | |
| I | | | | |
| F | | | | |
| OH | | | 0.014 | 0.027 |
| S04 | 897.600 | 294.100 | 2648.000 | 341.200 |
| S203 | | | 0.019 | 0.003 |
| HC03 | 33.110 | 47.310 | 34.680 | 60.420 |
| CO3 | | | 0.018 | 0.056 |
| SI02 (MG/KG)(MMOL/KG) | 288.718 | 62.290 | 58.549 | 48.578 |
| RB02 | 3.769 | 0.937 | | |
| H3P04 | 2.340 | 2.561 | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 259.265 | 62.660 | 51.596 | 59.850 |
| CA/(HC03+CO3) | 129.432 | 3.588 | 185.567 | 4.016 |
| MG/CA | 0.208 | 0.354 | 0.030 | 0.046 |
| NA/CA | 9.939 | 4.455 | 0.627 | 1.542 |
| CL/(HC03+CO3) | 241.843 | 12.104 | 210.061 | 1.521 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 87.220 | 57.636 | 68.212 | 15.713 |
| S04*100/(CL+S04+HC03+CO3) | 12.419 | 37.602 | 31.463 | 73.958 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.361 | 4.762 | 0.325 | 10.329 |
| (NA+K)*100/(NA+K+CA+MG) | 43.814 | 76.972 | 38.269 | 59.975 |
| CA*100/(NA+K+CA+MG) | 46.500 | 17.007 | 59.911 | 38.262 |
| MG*100/(NA+K+CA+MG) | 9.686 | 6.022 | 1.820 | 1.762 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.639 | 95.238 | 99.675 | 89.671 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.361 | 4.762 | 0.325 | 10.329 |
| (NA+K)*100/(NA+K+CA+MG) | 43.814 | 76.972 | 38.269 | 59.975 |
| (CA+MG)*100/(NA+K+CA+MG) | 56.186 | 23.028 | 61.731 | 40.025 |

| | INC 69 | INC 70 | INC 71 | INC 72 |
|----------------------------------|---------|---------|---------|---------|
| NO | 54.9 | 51.0 | 49.3 | 48.0 |
| TEMP | 745.100 | 478.100 | 501.800 | 523.700 |
| TSM | 8.50 | 8.30 | 8.40 | 8.40 |
| PH(CFD) | 7.33 | 7.20 | 7.80 | 7.20 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 8.302 | 3.112 | 11.590 | 4.193 |
| NA | 133.500 | 82.880 | 82.820 | 108.600 |
| NH4 | | | | |
| CA | 85.800 | 47.960 | 51.860 | 40.060 |
| MG | 3.858 | 0.005 | 7.539 | 6.323 |
| FE | 0.043 | | 0.185 | 0.055 |
| MN | | | | |
| ZN | | | | |
| CU | | 0.037 | | |
| PR | | | | |
| AL | | | | |
| CL | 75.150 | 96.160 | 70.070 | 87.590 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.054 | | 0.043 | 0.003 |
| S04 | 356.300 | | 216.800 | 201.600 |
| S203 | 0.007 | 139.500 | | |
| HCO3 | 59.350 | 31.710 | 38.540 | 38.540 |
| CO3 | 1.094 | 0.375 | 0.578 | 0.019 |
| SI02 (MG/KG)(MMOL/KG) | 39.922 | 82.925 | 28.791 | 34.602 |
| HR02 | | | | |
| H3PO4 | 0.429 | 0.206 | | |
| HAS02 | 0.124 | 0.097 | 0.195 | 1.296 |
| CO2 | | 0.312 | 0.514 | 0.012 |
| H2S | | | | |
| RN (#F-10 CURIE/L) | | | | |
| NA/K | 27.346 | 17.374 | 12.152 | 44.045 |
| CA/(HCO3+CO3) | 4.242 | 4.487 | 3.976 | 3.071 |
| MG/CA | 0.074 | 0.000 | 0.240 | 0.260 |
| NA/CA | 1.356 | 1.506 | 1.392 | 2.363 |
| CL/(HCO3+CO3) | 2.101 | 5.097 | 3.037 | 3.796 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 20.100 | 44.114 | 27.679 | 33.760 |
| S04*100/(CL+S04+HCO3+CO3) | 70.332 | 47.231 | 63.206 | 57.547 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.568 | 8.655 | 9.115 | 8.894 |
| (NA+K)*100/(NA+K+CA+MG) | 56.690 | 61.433 | 54.861 | 65.727 |
| CA*100/(NA+K+CA+MG) | 40.320 | 38.560 | 36.410 | 27.195 |
| MG*100/(NA+K+CA+MG) | 2.990 | 0.007 | 8.729 | 7.079 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 90.432 | 91.345 | 90.885 | 91.106 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.568 | 8.655 | 9.115 | 8.894 |
| (NA+K)*100/(NA+K+CA+MG) | 56.690 | 61.433 | 54.861 | 65.727 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.310 | 38.587 | 45.139 | 34.273 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| | INC 73 | INC 74 | INC 75 | INC 76 |
|----------------------------------|---------|---------|---------|---------|
| NO | 50.0 | 53.2 | 52.5 | 47.5 |
| TEMP | 694.800 | 449.400 | 350.500 | 875.600 |
| TSM | 3.10 | 8.60 | 8.70 | 8.40 |
| PH(FD) | 8.40 | 8.50 | 8.82 | 7.50 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 10.510 | 1.576 | 1.783 | 7.995 |
| NA | 144.700 | 99.740 | 80.670 | 193.200 |
| NH4 | | | | |
| CA | 64.080 | 29.840 | 19.790 | 62.090 |
| MG | 1.220 | 1.561 | 0.155 | 22.370 |
| FE | 0.300 | 1.185 | 0.024 | 0.090 |
| MN | | | | 0.116 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.190 | 0.058 | 0.047 | 0.005 |
| CL | | | | |
| BR | 78.040 | 44.230 | 36.050 | 262.800 |
| I | | | | |
| F | | | | |
| OH | | 0.063 | 0.085 | 0.011 |
| S04 | 348.700 | 202.600 | 140.800 | 294.800 |
| S203 | | | | |
| HC03 | 24.560 | 35.560 | 33.650 | 49.930 |
| C03 | 0.822 | 1.575 | 0.495 | 0.187 |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 28.079 | 19.700 | 25.685 | 68.292 |
| H3P04 | | 0.053 | | 0.019 |
| HAS02 | | | 0.036 | 0.164 |
| C02 | 0.065 | | 0.163 | 2.663 |
| H2S | | 0.103 | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 03.413 | 107.622 | 76.940 | 41.094 |
| CA/(HC03+C03) | 7.437 | 2.344 | 1.739 | 3.757 |
| MG/CA | 0.031 | 0.086 | 0.013 | 0.594 |
| NA/CA | 1.968 | 2.914 | 3.553 | 2.713 |
| CL/(HC03+C03) | 5.121 | 1.964 | 1.790 | 8.991 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 22.257 | 20.451 | 22.517 | 54.741 |
| S04*100/(CL+S04+HC03+C03) | 73.397 | 69.136 | 64.906 | 39.171 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.347 | 10.413 | 12.577 | 6.089 |
| (NA+K)*100/(NA+K+CA+MG) | 66.556 | 73.026 | 78.040 | 63.543 |
| CA*100/(NA+K+CA+MG) | 32.826 | 24.832 | 21.680 | 22.869 |
| MG*100/(NA+K+CA+MG) | 1.018 | 2.142 | 0.280 | 13.588 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.653 | 89.587 | 87.423 | 93.911 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.347 | 10.413 | 12.577 | 6.089 |
| (NA+K)*100/(NA+K+CA+MG) | 66.556 | 73.026 | 78.040 | 63.543 |
| (CA+MG)*100/(NA+K+CA+MG) | 33.444 | 26.974 | 21.960 | 36.457 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC 77 | INC 78 | INC 79 | INC 80 |
|----------------------------------|---------|---------|-----------|----------|
| NO | 52.5 | 37.0 | 42.5 | 39.5 |
| TEMP | 753.500 | 715.000 | 12858.000 | 3253.000 |
| TSM | 8.20 | 8.00 | 7.40 | 7.60 |
| PH(FD) | 8.58 | 8.22 | 7.70 | 7.40 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.822 | 2.791 | 145.900 | 25.940 |
| NA | 155.300 | 214.100 | 4181.000 | 1008.000 |
| NH4 | | | | |
| CA | 66.560 | 13.040 | 361.100 | 94.590 |
| MG | 0.819 | 6.276 | 64.040 | 42.320 |
| FE | 0.044 | 0.002 | 1.016 | 1.200 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.068 | | 0.045 | 0.001 |
| CL | 75.280 | 229.600 | 6056.000 | 1451.000 |
| BR | | | | 21.100 |
| I | | | | |
| F | | | | |
| OH | 0.027 | 0.017 | | 0.007 |
| S04 | 365.600 | 147.000 | 1752.000 | 478.400 |
| S203 | | | | |
| HC03 | 26.660 | 61.240 | 97.140 | 93.850 |
| C03 | 0.126 | 0.180 | | 0.111 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 38.981 | 29.673 | 64.790 | 13.142 |
| H3P04 | | | | |
| HAS02 | 0.025 | 0.038 | | 0.835 |
| C02 | 0.405 | 1.474 | | 0.078 |
| H2S | | | | 5.642 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 144.948 | 130.450 | 48.732 | 66.081 |
| CA/(HC03+C03) | 7.523 | 0.644 | 11.318 | 3.061 |
| MG/CA | 0.020 | 0.794 | 0.292 | 0.738 |
| NA/CA | 2.034 | 14.313 | 10.093 | 9.290 |
| CL/(HC03+C03) | 4.810 | 6.415 | 107.303 | 26.547 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 20.867 | 61.409 | 81.777 | 78.064 |
| S04*100/(CL+S04+HC03+C03) | 74.795 | 29.017 | 17.461 | 18.996 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.338 | 9.573 | 0.762 | 2.941 |
| (NA+K)*100/(NA+K+CA+MG) | 66.747 | 88.939 | 88.851 | 84.440 |
| CA*100/(NA+K+CA+MG) | 32.591 | 6.167 | 8.626 | 8.954 |
| MG*100/(NA+K+CA+MG) | 0.661 | 4.894 | 2.523 | 6.606 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.662 | 90.427 | 99.238 | 97.059 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.338 | 9.573 | 0.762 | 2.941 |
| (NA+K)*100/(NA+K+CA+MG) | 66.747 | 88.939 | 88.851 | 84.440 |
| (CA+MG)*100/(NA+K+CA+MG) | 33.253 | 11.061 | 11.149 | 15.560 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC 81 | INC 82 | INC 83 | INC 84 |
|----------------------------------|----------|-----------|---------|----------|
| NO | 43.0 | 51.0 | 46.7 | 47.7 |
| TEMP | 1412.000 | 22876.000 | 455.600 | 1886.000 |
| TSM | 9.01 | 7.70 | 8.60 | 7.80 |
| PH(FD) | 7.90 | 7.62 | 8.67 | 7.76 |
| PH(CLB) | | | | |
| H (MG/KG)(MYAL/KG) | | | | |
| K | 9.809 | 0.251 | 1.407 | 0.211 |
| NA | 419.200 | 18.235 | 175.044 | 311.600 |
| NH4 | | | | |
| CA | 56.910 | 2.840 | 22.440 | 201.600 |
| MG | 14.590 | 1.201 | 43.062 | 32.870 |
| FE | 0.145 | 0.005 | 0.013 | 0.177 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.001 | 0.000 | 0.031 | |
| CL | 546.000 | 16.531 | 344.839 | 713.900 |
| BR | 5.975 | 0.075 | 0.437 | |
| T | | | | |
| F | | | | |
| OH | 0.017 | 0.001 | 0.000 | 0.003 |
| S04 | 216.000 | 4.497 | 50.530 | 288.500 |
| S203 | | | | |
| HCO3 | 46.950 | 1.425 | 42.120 | 24.040 |
| CO3 | 0.258 | 0.009 | 0.009 | 0.089 |
| SI02 (MG/KG)(MMOL/KG) | 8.240 | 0.137 | 0.559 | 10.344 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | 0.723 | 0.054 | 0.029 | 0.019 |
| CO2 | 2.090 | 0.047 | 0.019 | 0.907 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 72.675 | 124.418 | 18.766 | 64.323 |
| CA/(HCO3+CO3) | 1.981 | 573.109 | 1.549 | 25.341 |
| MG/CA | 0.423 | 0.244 | 0.108 | 0.269 |
| NA/CA | 6.421 | 0.982 | 4.390 | 1.347 |
| CL/(HCO3+CO3) | 11.530 | 1170.376 | 2.689 | 50.731 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 73.596 | 87.152 | 30.242 | 75.875 |
| S04*100/(CL+S04+HCO3+CO3) | 20.021 | 12.771 | 58.512 | 22.630 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.383 | 0.078 | 11.247 | 1.495 |
| (NA+K)*100/(NA+K+CA+MG) | 82.064 | 44.568 | 80.665 | 51.886 |
| CA*100/(NA+K+CA+MG) | 12.607 | 44.555 | 17.446 | 37.919 |
| MG*100/(NA+K+CA+MG) | 5.330 | 10.877 | 1.889 | 10.196 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 93.617 | 99.922 | 88.753 | 98.504 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.383 | 0.078 | 11.247 | 1.496 |
| (NA+K)*100/(NA+K+CA+MG) | 82.064 | 44.568 | 80.665 | 51.886 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.936 | 55.432 | 19.335 | 48.114 |

(第22-2表 伊豆北部地域水質一覽表 (つづき))

| | INC 85 | INC 86 | INC 87 | INC 88 |
|----------------------------------|----------|----------|----------|---------|
| NO | 48.0 | 49.0 | 40.5 | 49.0 |
| TEMP | 1133.250 | 1559.000 | 7738.000 | 721.000 |
| PH(FD) | 7.60 | 8.00 | 7.60 | 8.00 |
| PH(LEB) | 7.00 | 7.00 | 6.80 | 8.40 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 5.728 | 0.147 | 0.122 | 1.751 |
| NA | 264.200 | 4.760 | 16.116 | 3.280 |
| NH4 | | 370.490 | 162.300 | 75.410 |
| CA | 54.750 | 2.732 | 2.478 | 83.690 |
| MG | 10.570 | 0.870 | 5.318 | 1.820 |
| FE | 4.011 | 0.144 | 0.137 | 0.915 |
| MN | 0.050 | 0.002 | 0.000 | 0.013 |
| ZN | | | 0.056 | 0.000 |
| CU | | | | |
| PR | | | | |
| AL | 1.800 | 0.178 | 0.167 | 0.657 |
| CL | 335.400 | 9.462 | 16.837 | 92.250 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 257.300 | 5.357 | 6.814 | 299.900 |
| S203 | | | | |
| HC03 | 43.143 | 0.707 | 0.663 | 33.060 |
| C03 | | | 0.015 | 0.378 |
| SI02 (MG/KC) (MMOL/KG) | 50.275 | 0.837 | 0.973 | 56.674 |
| HB02 | | | 1.873 | 1.873 |
| H3P04 | 1.898 | 0.019 | 0.002 | 0.043 |
| HAS02 | | | 7.176 | 2.998 |
| C02 | 0.897 | 0.020 | 0.021 | 0.031 |
| H2S | | | 1.989 | 0.017 |
| | | | 0.064 | 0.635 |
| RN (*E=10 CURIE/L) | | | | |
| NA/K | 78.437 | 132.360 | | 1.873 |
| CA/(HC03+C03) | 3.862 | 3.652 | 14.154 | 7.532 |
| MG/CA | 0.318 | 2.147 | 453.166 | 0.036 |
| NA/CA | 4.217 | 6.505 | 0.011 | 0.785 |
| CL/(HC03+C03) | 13.374 | 24.816 | 243.746 | 4.694 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 60.940 | 69.203 | 74.033 | 27.683 |
| S04*100/(CL+S04+HC03+C03) | 34.503 | 28.008 | 25.663 | 66.419 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.556 | 2.789 | 0.304 | 5.898 |
| (NA+K)*100/(NA+K+CA+MG) | 76.368 | 67.562 | 4.809 | 53.769 |
| CA*100/(NA+K+CA+MG) | 17.925 | 10.309 | 94.129 | 44.630 |
| MG*100/(NA+K+CA+MG) | 5.707 | 22.129 | 1.062 | 1.601 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 95.444 | 97.211 | 99.696 | 94.102 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 4.556 | 2.789 | 0.304 | 5.898 |
| (NA+K)*100/(NA+K+CA+MG) | 76.368 | 67.562 | 4.809 | 53.769 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.632 | 32.438 | 95.191 | 46.231 |

〔第22-2表〕伊豆北部地帯水質一覽表(つづき)

| | INC 89 | INC 90 | INC 91 | INC 92 |
|----------------------------------|---------|---------|---------|---------|
| NO | 40.0 | 50.0 | 47.0 | 54.0 |
| TEMP | 899.000 | 755.000 | 882.000 | 750.800 |
| TSM | 7.80 | 8.20 | 8.00 | 8.30 |
| PH(FD) | 7.00 | | | |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 45.910 | 10.280 | 0.263 | 9.370 |
| NA | 162.600 | 100.300 | 4.363 | 100.630 |
| NH4 | | | | |
| CA | 95.470 | 62.500 | 3.119 | 116.280 |
| MG | 2.139 | 3.094 | 0.255 | 24.787 |
| FE | 1.514 | 3.290 | 0.118 | 0.470 |
| MN | 0.081 | 0.081 | 0.003 | 0.700 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 0.960 | 0.827 | 0.092 | 1.000 |
| CL | 219.100 | 115.300 | 3.253 | 123.965 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 242.300 | 282.200 | 5.875 | 32.361 |
| S203 | | | | 185.982 |
| HC03 | 71.130 | 51.730 | 0.808 | |
| C03 | | 0.575 | 0.019 | 4.563 |
| SI02 (MG/KG)(MMOL/KG) | 53.674 | 58.675 | 0.977 | |
| HBO2 | 1.873 | 1.880 | 0.043 | |
| H3PO4 | 5.450 | 6.467 | 0.066 | |
| HASO2 | 0.030 | 0.000 | 0.000 | 105.222 |
| C02 | 4.376 | 0.627 | 0.014 | |
| H2S | 0.254 | 0.290 | 0.008 | 1.634 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 6.023 | 16.592 | 673.255 | 18.263 |
| CA/(HC03+C03) | 4.066 | 3.597 | 5.488 | |
| MG/CA | 0.037 | 0.032 | 0.006 | 0.352 |
| NA/CA | 1.455 | 1.399 | 1.817 | 0.754 |
| CL/(HC03+C03) | 5.302 | 3.751 | 5.497 | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 46.739 | 32.542 | 35.541 | |
| S04*100/(CL+S04+HC03+C03) | 44.445 | 58.783 | 57.993 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.816 | 8.675 | 6.465 | |
| (NA+K)*100/(NA+K+CA+MG) | 62.540 | 57.830 | 64.396 | 37.058 |
| CA*100/(NA+K+CA+MG) | 36.125 | 38.987 | 35.395 | 46.571 |
| MG*100/(NA+K+CA+MG) | 1.335 | 3.183 | 0.209 | 16.371 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 91.184 | 91.326 | 93.535 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.816 | 8.675 | 6.465 | |
| (NA+K)*100/(NA+K+CA+MG) | 62.540 | 57.830 | 64.396 | 37.058 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.460 | 42.170 | 35.604 | 62.942 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| NO | INC 93 | | INC 94 | | INC 95 | | INC 96 | |
|----------------------------------|----------|--------|---------|-------|---------|-------|---------|-------|
| | | | | | | | | |
| TEMP | 51.0 | | 55.0 | | 54.5 | | 52.8 | |
| TSM | 1427.610 | | 752.000 | | 625.600 | | 633.600 | |
| PH(CFD) | 8.00 | | 8.10 | | 8.20 | | 8.60 | |
| PH(CLR) | 7.30 | | 7.50 | | 7.40 | | 7.60 | |
| H (MG/KG)(MIVAL/KG) | | | | | | | | |
| K | 2.560 | 0.065 | 2.100 | 0.054 | 0.996 | 0.025 | 1.442 | 0.037 |
| NA | 376.073 | 16.359 | 67.250 | 2.925 | 142.048 | 6.179 | 146.211 | 6.360 |
| NH4 | | | | | | | | |
| CA | 37.104 | 1.853 | 150.000 | 7.485 | 94.002 | 4.691 | 69.144 | 3.450 |
| MG | 66.621 | 5.482 | 1.250 | 0.103 | 14.897 | 1.226 | 14.486 | 1.192 |
| FE | 0.003 | 0.000 | | | 0.008 | 0.000 | 0.006 | 0.000 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PA | | | | | | | | |
| AL | 0.003 | 0.000 | | | 0.003 | 0.000 | 0.005 | 0.001 |
| CL | 567.360 | 16.005 | 72.500 | 2.045 | 74.466 | 2.101 | 78.012 | 2.201 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| SO4 | 351.774 | 7.324 | 372.000 | 7.745 | 400.666 | 8.342 | 347.989 | 7.245 |
| S2O3 | | | | | | | | |
| HC03 | 24.034 | 0.394 | 47.900 | 0.755 | 73.993 | 1.213 | 88.572 | 1.452 |
| C03 | | | | | 20.970 | 0.699 | 4.050 | 0.135 |
| SI02 (MG/KG)(MMOL/KG) | | | | | | | | |
| HB02 | 72.414 | 1.206 | 14.001 | 0.233 | 35.080 | 0.584 | 34.003 | 0.566 |
| H3P04 | | | 1.100 | 0.025 | | | | |
| HAS02 | 1.878 | 0.019 | | | 1.878 | 0.019 | 0.062 | 0.001 |
| C02 | 1.803 | 0.041 | 0.071 | 0.001 | | | | |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 249.816 | | 54.658 | | 242.529 | | 172.426 | |
| CA/(HC03+C03) | 4.705 | | 9.534 | | 2.454 | | 2.175 | |
| MG/CA | 2.958 | | 0.014 | | 0.261 | | 0.345 | |
| NA/CA | 8.826 | | 0.391 | | 1.317 | | 1.843 | |
| CL/(HC03+C03) | 40.631 | | 2.605 | | 1.099 | | 1.387 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 67.467 | | 19.340 | | 17.004 | | 19.948 | |
| S04*100/(CL+S04+HC03+C03) | 30.873 | | 73.237 | | 67.522 | | 65.671 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.660 | | 7.424 | | 15.474 | | 14.382 | |
| (NA+K)*100/(NA+K+CA+MG) | 69.126 | | 28.193 | | 51.188 | | 57.948 | |
| CA*100/(NA+K+CA+MG) | 7.801 | | 70.834 | | 38.699 | | 31.254 | |
| MG*100/(NA+K+CA+MG) | 23.073 | | 0.973 | | 10.114 | | 10.798 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.340 | | 92.576 | | 84.526 | | 85.618 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.660 | | 7.424 | | 15.474 | | 14.382 | |
| (NA+K)*100/(NA+K+CA+MG) | 69.126 | | 28.193 | | 51.188 | | 57.948 | |
| (CA+MG)*100/(NA+K+CA+MG) | 30.874 | | 71.907 | | 48.812 | | 42.052 | |

(第 22-2 表 伊豆北部地域水質一覽表 (つづき))

| | INC 97 | INC 98 | INC 99 | INC100 |
|----------------------------------|---------|---------|---------|---------|
| NO | 47.5 | 53.0 | 48.3 | 56.0 |
| TEMP | 872.000 | 713.000 | 994.000 | 808.000 |
| TSM | 8.00 | 8.70 | 8.10 | 8.25 |
| PH(FD) | 7.10 | 7.30 | 7.50 | 6.90 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 5.871 | 4.173 | 3.620 | 4.542 |
| NA | 199.640 | 117.200 | 272.600 | 161.200 |
| NH4 | | | | |
| CA | 41.144 | 62.630 | 66.340 | 72.630 |
| MG | 40.715 | 11.460 | 2.595 | 5.478 |
| FE | | 3.190 | 4.949 | 3.667 |
| MN | | 0.750 | 0.040 | 0.087 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 2.743 | 5.700 | 0.040 | 0.032 |
| CL | 324.295 | 101.300 | 270.100 | 168.800 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 125.541 | 305.200 | 316.900 | 297.900 |
| S203 | | | | |
| HCO3 | 63.202 | 34.230 | 72.920 | 50.600 |
| CO3 | | 9.515 | 6.583 | 5.856 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 29.083 | 37.842 | 60.882 | 50.281 |
| H3P04 | | | 0.435 | 0.010 |
| HAS02 | 0.938 | 0.601 | 0.920 | 0.974 |
| CO2 | | 0.078 | | 0.125 |
| H2S | | 0.695 | 0.470 | 0.789 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 57.826 | 47.760 | 128.058 | 60.354 |
| CA/(HCO3+CO3) | 1.982 | 3.559 | 2.340 | 3.538 |
| MG/CA | 1.632 | 0.302 | 0.065 | 0.124 |
| NA/CA | 4.230 | 1.631 | 3.582 | 1.935 |
| CL/(HCO3+CO3) | 8.831 | 3.254 | 5.386 | 4.648 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 71.483 | 28.322 | 48.743 | 39.720 |
| S04*100/(CL+S04+HCO3+CO3) | 20.423 | 62.975 | 42.207 | 51.735 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.094 | 8.703 | 9.050 | 8.546 |
| (NA+K)*100/(NA+K+CA+MG) | 62.049 | 56.129 | 77.228 | 63.627 |
| CA*100/(NA+K+CA+MG) | 14.420 | 33.702 | 21.392 | 32.349 |
| MG*100/(NA+K+CA+MG) | 23.532 | 10.170 | 1.380 | 4.024 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.906 | 91.297 | 90.950 | 91.454 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.094 | 8.703 | 9.050 | 8.546 |
| (NA+K)*100/(NA+K+CA+MG) | 62.049 | 56.129 | 77.228 | 63.627 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.951 | 43.871 | 22.772 | 36.373 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| NO | INC101 | INC102 | INC103 | INC104 |
|----------------------------------|----------|----------|-----------|-----------|
| TEMP | 47.2 | 47.5 | 41.2 | 45.0 |
| TSM | 1290.000 | 1457.000 | 27578.000 | 15408.000 |
| PH(FD) | 7.90 | 8.10 | 7.50 | 7.80 |
| PH(LB) | 6.80 | 6.90 | 7.10 | 7.10 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.963 | 4.069 | 0.104 | 4.255 |
| NA | 332.600 | 379.800 | 16.521 | 4639.000 |
| NH4 | | | | |
| CA | 67.920 | 46.960 | 2.298 | 519.900 |
| MG | 11.030 | 13.470 | 1.108 | 33.665 |
| FE | 5.545 | 3.757 | 0.135 | 345.400 |
| MN | 0.060 | 0.030 | 0.001 | 3.160 |
| ZN | | | | 1.750 |
| CU | | | | |
| PB | | | | |
| AL | 0.030 | 0.060 | 0.007 | 0.040 |
| CL | 433.800 | 433.800 | 12.379 | 8101.000 |
| BR | | | | 228.529 |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 299.800 | 310.600 | 6.467 | 1258.000 |
| S203 | | | | 26.192 |
| HC03 | 74.710 | 74.710 | 1.224 | 98.980 |
| CO3 | 0.732 | 2.928 | 0.098 | 1.622 |
| S102 (MG/KG)(MMOL/KG) | | | | |
| HPO4 | 76.474 | 69.083 | 1.150 | 303.489 |
| H3PO4 | | | | 0.975 |
| HAS04 | 0.670 | 0.309 | 0.003 | 0.022 |
| HAS02 | 0.125 | 0.063 | 0.001 | 2.925 |
| CO2 | | | | 0.030 |
| H2S | 0.338 | 0.357 | 0.010 | 0.001 |
| RN (*F-10 CUP/IE/L) | | | | 0.051 |
| NA/K | 305.457 | 158.729 | | 0.002 |
| CA/(HC03+CO3) | 2.714 | 1.738 | | 1854.016 |
| MG/CA | 0.258 | 0.482 | | 15.992 |
| NA/CA | 4.526 | 7.188 | | 1.096 |
| CL/(HC03+CO3) | 9.912 | 9.363 | | 7.778 |
| CL/F | | | | 140.869 |
| CL*100/(CL+S04+HCO3+CO3) | 62.300 | 61.379 | | 89.150 |
| S04*100/(CL+S04+HCO3+CO3) | 31.415 | 32.065 | | 10.217 |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 6.236 | 6.556 | | 0.633 |
| (NA+K)*100/(NA+K+CA+MG) | 78.172 | 82.993 | | 78.786 |
| CA*100/(NA+K+CA+MG) | 17.217 | 11.473 | | 10.123 |
| MG*100/(NA+K+CA+MG) | 4.611 | 5.533 | | 11.091 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 93.714 | 93.444 | | 99.367 |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 6.236 | 6.556 | | 0.633 |
| (NA+K)*100/(NA+K+CA+MG) | 78.172 | 82.993 | | 78.786 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.828 | 17.007 | | 21.214 |

(第22-2表 伊豆北部地域水質一覽表(つづき))

| NO | INC105 | | INC106 | | INC107 | | INC108 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|-------|
| | 55.0 | 50.0 | 50.0 | 49.5 | 52.0 | 52.0 | 808.000 | 8.40 |
| TEMP | 670.000 | 702.000 | 702.000 | 855.000 | 855.000 | 855.000 | 8.40 | 7.50 |
| TSM | 8.70 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.40 | 7.50 |
| PH(FD) | 7.30 | 7.40 | 7.40 | 6.90 | 6.90 | 6.90 | 6.90 | 6.90 |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 2.668 | 0.068 | 3.313 | 0.085 | 4.603 | 0.118 | 4.398 | 0.113 |
| NA | 129.082 | 5.614 | 182.200 | 7.056 | 199.700 | 8.687 | 102.900 | 4.476 |
| NH4 | | | | | | | | |
| CA | 52.305 | 2.610 | 45.200 | 2.255 | 80.920 | 4.038 | 99.060 | 4.943 |
| MG | 5.941 | 0.489 | 3.381 | 0.278 | 2.640 | 0.217 | 7.970 | 0.656 |
| FE | 3.921 | 0.140 | 4.621 | 0.165 | 4.353 | 0.156 | 4.353 | 0.156 |
| MN | | | 0.500 | 0.018 | 0.045 | 0.002 | 0.200 | 0.007 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | 9.000 | 1.001 | 0.032 | 0.004 | 7.340 | 0.816 |
| CL | 79.010 | 2.229 | 135.000 | 3.808 | 151.900 | 4.285 | 101.300 | 2.858 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | 0.340 | 0.020 | | | | | | |
| S04 | 292.600 | 6.092 | 233.900 | 4.870 | 376.100 | 7.830 | 353.200 | 7.354 |
| S203 | | | | | | | | |
| HC03 | 37.711 | 0.618 | 23.490 | 0.385 | 50.600 | 0.829 | 37.200 | 0.610 |
| C03 | 0.750 | 0.025 | | | 6.588 | 0.220 | 8.784 | 0.293 |
| SI02 (MG/KG)(MMNL/KG) | | | | | | | | |
| HB02 | 36.059 | 0.600 | 37.550 | 0.625 | 9.401 | 0.157 | 5.968 | 0.099 |
| H3P04 | | | | | 0.650 | 0.015 | | |
| HAS02 | 0.190 | 0.002 | 36.460 | 0.372 | 2.086 | 0.021 | 2.151 | 0.022 |
| C02 | | | 0.313 | 0.003 | 0.125 | 0.001 | 0.141 | 0.001 |
| H2S | | | | | | | | |
| RN (*F-10 CURIE/L) | | | 0.301 | 0.009 | 0.413 | 0.012 | 0.902 | 0.026 |
| NA/K | 82.252 | | 83.256 | | 73.778 | | 39.788 | |
| CA/(HC03+C03) | 4.059 | | 5.858 | | 3.850 | | 5.477 | |
| MG/CA | 0.187 | | 0.123 | | 0.054 | | 0.133 | |
| NA/CA | 2.151 | | 3.128 | | 2.151 | | 0.906 | |
| CL/(HC03+C03) | 3.466 | | 9.892 | | 4.065 | | 3.166 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 24.865 | | 42.020 | | 32.551 | | 25.713 | |
| S04*100/(CL+S04+HC03+C03) | 67.961 | | 53.732 | | 59.482 | | 66.167 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.174 | | 4.248 | | 7.968 | | 8.120 | |
| (NAK)*100/(NAK+CA+MG) | 64.710 | | 73.810 | | 67.418 | | 45.042 | |
| CA*100/(NAK+CA+MG) | 29.722 | | 23.315 | | 30.918 | | 48.521 | |
| MG*100/(NAK+CA+MG) | 5.567 | | 2.876 | | 1.663 | | 6.438 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.826 | | 95.752 | | 92.032 | | 91.880 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.174 | | 4.248 | | 7.968 | | 8.120 | |
| (NAK)*100/(NAK+CA+MG) | 64.710 | | 73.810 | | 67.418 | | 45.042 | |
| (CA+MG)*100/(NAK+CA+MG) | 35.290 | | 26.190 | | 32.582 | | 54.958 | |

（第22-2表 伊豆北部地域水質一覧表（つづき））

| NO | INC109 | INC110 | INC111 | INC112 |
|----------------------------------|----------|----------|---------|----------|
| TEMP | 51.5 | 46.1 | 51.0 | 47.0 |
| TSM | 2194.800 | 2144.000 | 731.600 | 1924.000 |
| PH(FD) | 7.50 | 7.70 | 8.10 | 7.80 |
| PH(LB) | 7.40 | 8.10 | 8.40 | 6.80 |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 59.590 | 19.470 | 4.750 | 16.940 |
| NA | 595.500 | 551.700 | 140.700 | 305.000 |
| NH4 | - | - | - | 0.122 |
| CA | 65.640 | 70.740 | 76.850 | 3.835 |
| MG | 0.400 | 4.869 | 7.312 | 313.800 |
| FF | 0.275 | 0.100 | 0.350 | 14.230 |
| MN | - | - | - | 0.440 |
| ZN | - | - | - | 0.165 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 0.835 | 0.222 | - |
| CL | 911.700 | 732.900 | 95.340 | 840.400 |
| BF | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 363.700 | 551.400 | 360.100 | 290.800 |
| S203 | - | - | - | - |
| HC03 | 39.530 | 44.160 | 30.840 | 48.430 |
| C03 | - | - | 0.633 | - |
| SI02 (MG/KG) (MMOL/KG) | 88.777 | 46.727 | 37.619 | 69.322 |
| HP02 | - | - | - | - |
| R3P04 | 0.772 | 0.029 | 0.000 | 1.335 |
| HAS02 | - | - | 0.062 | 0.014 |
| C02 | 1.023 | 3.162 | - | 0.426 |
| H2S | 0.302 | - | - | 0.389 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 16.994 | 48.187 | 50.372 | 30.618 |
| CA/(HC03+C03) | 5.055 | 4.877 | 7.283 | 19.727 |
| MG/CA | - | 1.379 | 0.157 | 0.075 |
| NA/CA | 7.909 | 6.799 | 1.596 | 0.847 |
| CL/(HC03+C03) | 39.696 | 28.565 | 5.108 | 29.867 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 75.790 | 62.882 | 25.104 | 77.588 |
| S04*100/(CL+S04+HC03+C03) | 22.311 | 34.916 | 69.980 | 19.814 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.909 | 2.201 | 4.915 | 2.598 |
| (NA+K)*100/(NA+K+CA+MG) | - | 74.468 | 58.454 | 44.876 |
| CA*100/(NA+K+CA+MG) | - | 10.731 | 35.912 | 51.289 |
| MG*100/(NA+K+CA+MG) | - | 14.801 | 5.635 | 3.835 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.091 | 97.799 | 95.085 | 97.402 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.909 | 2.201 | 4.915 | 2.598 |
| (NA+K)*100/(NA+K+CA+MG) | - | 74.468 | 58.454 | 44.876 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 25.532 | 41.546 | 55.124 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| NO | INC117 | INC118 | INC119 | INC120 |
|----------------------------------|---------|----------|---------|----------|
| TEMP | 52.0 | 50.5 | 55.0 | 48.5 |
| TSM | 820.200 | 1623.000 | 153.900 | 2436.000 |
| PH(FD) | 8.00 | 7.60 | 8.40 | 7.90 |
| PH(LB) | 7.80 | 7.72 | 8.60 | 7.49 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 14.570 | 0.373 | 1.502 | 4.708 |
| NA | 133.800 | 5.820 | 98.150 | 400.500 |
| NH4 | | | | |
| CA | 98.680 | 190.300 | 32.270 | 400.800 |
| MG | 0.582 | 0.048 | 0.806 | 20.640 |
| FE | 0.280 | 0.010 | 0.075 | 0.105 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 120.000 | 532.000 | 53.440 | 1134.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | 0.007 | 0.043 | 0.007 |
| S04 | 345.600 | 339.700 | 200.200 | 309.500 |
| S203 | | | | |
| HCO3 | 32.530 | 0.534 | 36.250 | 36.420 |
| CO3 | 0.362 | 0.012 | 0.534 | 0.165 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 54.859 | 0.913 | 1.688 | 25.103 |
| H3PO4 | | | | |
| HAS02 | 1.326 | 0.014 | 0.951 | 0.956 |
| CO2 | | | | |
| H2S | 0.389 | 0.011 | 0.087 | 0.076 |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 15.617 | 109.832 | 111.124 | 144.590 |
| CA/(HCO3+C03) | 9.018 | 24.229 | 2.831 | 33.199 |
| MG/CA | 0.010 | 0.082 | 0.041 | 0.085 |
| NA/CA | 1.182 | 1.427 | 2.651 | 0.871 |
| CL/(HCO3+C03) | 6.199 | 36.293 | 2.465 | 53.102 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+C03) | 30.424 | 66.784 | 23.990 | 81.950 |
| S04*100/(CL+S04+HCO3+C03) | 64.668 | 31.472 | 66.279 | 16.507 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 4.903 | 1.744 | 9.731 | 1.543 |
| (NA+K)*100/(NA+K+CA+MG) | 55.468 | 57.093 | 71.985 | 44.692 |
| CA*100/(NA+K+CA+MG) | 44.103 | 39.649 | 26.907 | 50.979 |
| MG*100/(NA+K+CA+MG) | 0.429 | 3.258 | 1.108 | 4.329 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 95.092 | 98.256 | 90.269 | 98.457 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 4.908 | 1.744 | 9.731 | 1.543 |
| (NA+K)*100/(NA+K+CA+MG) | 55.468 | 57.093 | 71.985 | 44.692 |
| (CA+MG)*100/(NA+K+CA+MG) | 44.532 | 42.907 | 28.015 | 55.308 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| NO | INC121 | | | INC122 | | | INC123 | | | INC124 | | |
|----------------------------------|----------|---------|----------|--------|---------|----------|----------|---------|----------|----------|--------|----------|
| | 50.5 | 46.0 | 43.0 | 56.0 | 42.0 | 43.0 | 1982.000 | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 |
| TEMP | 1791.000 | 364.200 | 1982.000 | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 | 1017.000 |
| TSM | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 | 1017.000 | 7.90 | 8.40 | 1017.000 |
| PH(FD) | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 |
| PH(LB) | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 | 8.78 | 8.64 | 8.64 |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 4.198 | 0.107 | 1.501 | 0.038 | 0.206 | 2.202 | 0.056 | 0.139 | 0.056 | 0.139 | 0.056 | 0.139 |
| NA | 269.900 | 11.741 | 96.060 | 4.179 | 13.846 | 210.100 | 9.139 | 210.100 | 9.139 | 210.100 | 9.139 | 210.100 |
| NH4 | | | | | | | | | | | | |
| CA | 242.100 | 12.081 | 16.330 | 0.815 | 273.900 | 110.000 | 5.489 | 110.000 | 5.489 | 110.000 | 5.489 | 110.000 |
| MG | 9.702 | 0.798 | 1.980 | 0.163 | 3.891 | 5.535 | 0.455 | 5.535 | 0.455 | 5.535 | 0.455 | 5.535 |
| FF | 0.045 | 0.002 | 0.044 | 0.002 | 0.237 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 | 0.008 |
| MN | | | | | | | | | | | | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | | | | | | | | | | | | |
| CL | 600.000 | 16.926 | 47.570 | 1.342 | 708.300 | 267.300 | 7.541 | 267.300 | 7.541 | 267.300 | 7.541 | 267.300 |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | 0.014 | 0.001 | 0.043 | 0.003 | 0.014 | 0.043 | 0.003 | 0.043 | 0.003 | 0.043 | 0.003 | 0.043 |
| S04 | 363.600 | 7.570 | 138.500 | 2.884 | 347.400 | 301.600 | 6.279 | 301.600 | 6.279 | 301.600 | 6.279 | 301.600 |
| S203 | | | | | | | | | | | | |
| HC03 | 26.890 | 0.441 | 46.410 | 0.761 | 20.260 | 28.710 | 0.471 | 28.710 | 0.471 | 28.710 | 0.471 | 28.710 |
| C03 | 0.120 | 0.004 | 0.684 | 0.023 | 0.093 | 0.212 | 0.007 | 0.212 | 0.007 | 0.212 | 0.007 | 0.212 |
| S102 (MG/KG)(MMOL/KG) | | | | | | | | | | | | |
| HB02 | 29.278 | 0.487 | 25.007 | 0.416 | 24.299 | 18.304 | 0.305 | 18.304 | 0.305 | 18.304 | 0.305 | 18.304 |
| H3P04 | 1.911 | 0.044 | 1.915 | 0.044 | 1.915 | 1.915 | 0.044 | 1.915 | 0.044 | 1.915 | 0.044 | 1.915 |
| HAS02 | | | | | | | | | | | | |
| C02 | | | | | | | | | | | | |
| H2S | 0.840 | 0.019 | 0.446 | 0.010 | 0.634 | 0.276 | 0.006 | 0.276 | 0.006 | 0.276 | 0.006 | 0.276 |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 109.332 | 109.830 | 67.240 | 67.240 | 162.255 | 162.255 | 11.492 | 11.492 | 11.492 | 11.492 | 11.492 | 11.492 |
| CA/(HC03+C03) | 27.165 | 1.040 | 40.779 | 0.203 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 | 0.083 |
| MG/CA | 0.066 | 0.200 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 | 0.023 |
| NA/CA | 0.972 | 5.128 | 1.013 | 1.013 | 1.665 | 1.665 | 1.665 | 1.665 | 1.665 | 1.665 | 1.665 | 1.665 |
| CL/(HC03+C03) | 38.059 | 1.713 | 59.617 | 59.617 | 15.788 | 15.788 | 15.788 | 15.788 | 15.788 | 15.788 | 15.788 | 15.788 |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 67.864 | 26.791 | 72.529 | 72.529 | 52.740 | 52.740 | 43.919 | 43.919 | 43.919 | 43.919 | 43.919 | 43.919 |
| S04*100/(CL+S04+HC03+C03) | 30.352 | 57.568 | 26.254 | 26.254 | 36.255 | 36.255 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.783 | 15.641 | 1.217 | 1.217 | 60.737 | 60.737 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 |
| (NA+K)*100/(NA+K+CA+MG) | 47.915 | 81.177 | 50.114 | 50.114 | 96.659 | 96.659 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 |
| CA*100/(NA+K+CA+MG) | 48.856 | 15.686 | 48.744 | 48.744 | 60.737 | 60.737 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 |
| MG*100/(NA+K+CA+MG) | 3.229 | 3.136 | 1.142 | 1.142 | 36.255 | 36.255 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.217 | 84.359 | 98.783 | 98.783 | 96.659 | 96.659 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.783 | 15.641 | 1.217 | 1.217 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 | 3.341 |
| (NA+K)*100/(NA+K+CA+MG) | 47.915 | 81.177 | 50.114 | 50.114 | 60.737 | 60.737 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 |
| (CA+MG)*100/(NA+K+CA+MG) | 52.095 | 18.823 | 48.856 | 48.856 | 36.255 | 36.255 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 | 3.008 |

(第 22-2 表 伊豆北部地域水質一覧表 (つづき))

| NO | INC125 | INC126 | INC127 | INC128 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 35.0 | 29.5 | 36.0 | 40.5 |
| TSM | 753.600 | 522.500 | 636.900 | 944.500 |
| PH(FD) | 8.10 | 8.10 | 7.80 | 8.20 |
| PH(LR) | 8.10 | 7.56 | 7.70 | 8.34 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 4.200 | 4.383 | 2.616 | 3.210 |
| NA | 212.500 | 141.500 | 195.200 | 270.000 |
| NR4 | | | 0.067 | 0.082 |
| CA | 5.010 | 10.020 | 4.256 | 35.990 |
| MG | 10.060 | 9.250 | 7.400 | 8.730 |
| FE | 0.300 | 0.500 | 0.062 | 0.031 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.134 | 0.125 | 0.038 | 0.008 |
| CL | 143.700 | 153.200 | 213.400 | 346.000 |
| BR | | | 6.020 | 9.761 |
| I | | | | |
| F | | | | |
| OH | | 0.022 | | 0.027 |
| S04 | 247.800 | 106.600 | 97.170 | 166.700 |
| S203 | | | | |
| HC03 | 57.970 | 60.750 | 80.420 | 65.960 |
| CO3 | 0.756 | 0.225 | 0.297 | 0.309 |
| SI02 (MG/KG)(MM01/KG) | | | | |
| HR02 | 35.295 | 24.183 | 26.813 | 31.478 |
| H3P04 | | | | |
| HAS02 | 0.021 | 1.966 | 0.043 | 0.018 |
| CO2 | | 1.166 | 3.050 | 3.010 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 36.040 | 54.900 | 126.891 | 143.037 |
| CA/(HC03+CO3) | 0.256 | 0.498 | 0.160 | 1.646 |
| MG/CA | 3.311 | 1.522 | 2.867 | 0.400 |
| NA/CA | 36.975 | 12.511 | 39.982 | 6.540 |
| CL/(HC03+CO3) | 4.156 | 4.308 | 4.533 | 8.943 |
| CL/F | | | | |
| CL*100/(CL+SO4+HC03+CO3) | 39.789 | 57.285 | 64.240 | 68.148 |
| SO4*100/(CL+SO4+HC03+CO3) | 50.638 | 29.418 | 21.589 | 24.232 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 9.573 | 13.297 | 14.171 | 7.620 |
| (NA+K)*100/(NA+K+CA+MG) | 89.665 | 83.248 | 91.243 | 82.468 |
| CA*100/(NA+K+CA+MG) | 2.397 | 6.641 | 2.264 | 12.522 |
| MG*100/(NA+K+CA+MG) | 7.938 | 10.111 | 6.492 | 5.009 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 90.427 | 86.703 | 85.829 | 92.380 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 9.573 | 13.297 | 14.171 | 7.620 |
| (NA+K)*100/(NA+K+CA+MG) | 89.665 | 83.248 | 91.243 | 82.468 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.335 | 16.752 | 8.757 | 17.532 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| NO | INC129 | | INC130 | | INC131 | | INC132 | |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|--|
| | | | | | | | | |
| TEMP | 49.5 | 51.0 | 51.0 | 50.5 | 50.5 | 47.2 | 47.2 | |
| TSM | 513.900 | 303.800 | 303.800 | 695.600 | 695.600 | 866.200 | 866.200 | |
| PH(FD) | 8.40 | 8.90 | 8.90 | 7.90 | 7.90 | 7.80 | 7.80 | |
| PH(CLB) | 8.34 | 9.00 | 9.00 | 8.10 | 8.10 | 7.60 | 7.60 | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 3.146 | 0.080 | 4.524 | 0.116 | 1.339 | 5.875 | 0.150 | |
| NA | 94.090 | 4.093 | 60.610 | 2.637 | 144.900 | 248.200 | 10.797 | |
| NH4 | | | | | | | | |
| CA | 37.300 | 1.861 | 19.490 | 0.973 | 58.470 | 18.970 | 0.947 | |
| MG | 4.159 | 0.342 | 2.495 | 0.205 | 0.275 | 8.607 | 0.708 | |
| FE | 0.092 | 0.003 | 0.143 | 0.005 | 0.210 | 0.121 | 0.004 | |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | | | | | | | | |
| CL | 53.010 | 1.495 | 35.340 | 0.997 | 74.480 | 304.000 | 8.576 | |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | 0.043 | 0.003 | 0.136 | 0.008 | 0.014 | 0.010 | 0.001 | |
| S04 | 218.400 | 4.547 | 93.210 | 1.941 | 331.200 | 202.700 | 4.220 | |
| S203 | | | | | | | | |
| HC03 | 34.310 | 0.562 | 38.450 | 0.630 | 34.120 | 39.130 | 0.641 | |
| C03 | 0.506 | 0.017 | 1.745 | 0.058 | 0.156 | 0.144 | 0.005 | |
| SI02 (MG/KG)(MMOL/KG) | 16.356 | 0.272 | 20.633 | 0.344 | 33.376 | 57.214 | 0.953 | |
| HPO2 | | | | | | | | |
| H3PO4 | | | | | | | | |
| HAS02 | 0.038 | 0.000 | 0.048 | 0.000 | 0.005 | | | |
| C02 | 0.330 | 0.007 | 0.120 | 0.003 | 1.069 | 1.474 | 0.033 | |
| H2S | | | | | | | | |
| RN (**F-10 CURIE/L) | | | | | | | | |
| NA/K | 50.860 | | 22.783 | | 184.025 | 71.843 | | |
| CA/(HC03+C03) | 3.213 | | 1.413 | | 5.169 | 1.465 | | |
| MG/CA | 0.184 | | 0.211 | | 0.008 | 0.748 | | |
| NA/CA | 2.199 | | 2.711 | | 2.160 | 11.406 | | |
| CL/(HC03+C03) | 2.582 | | 1.448 | | 3.723 | 13.272 | | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 22.583 | | 22.783 | | 184.025 | 71.843 | | |
| S04*100/(CL+S04+HC03+C03) | 68.669 | | 53.521 | | 72.121 | 31.395 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.747 | | 18.984 | | 5.903 | 4.807 | | |
| (NA+K)*100/(NA+K+CA+MG) | 65.445 | | 70.030 | | 68.308 | 86.868 | | |
| CA*100/(NA+K+CA+MG) | 29.188 | | 24.746 | | 31.448 | 7.512 | | |
| MG*100/(NA+K+CA+MG) | 5.367 | | 5.224 | | 0.244 | 5.620 | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 91.253 | | 81.016 | | 94.097 | 95.193 | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 8.747 | | 18.984 | | 5.903 | 4.807 | | |
| (NA+K)*100/(NA+K+CA+MG) | 65.445 | | 70.030 | | 68.308 | 86.868 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 34.555 | | 29.970 | | 31.692 | 13.132 | | |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC133 | INC134 | INC135 | INC136 |
|----------------------------------|---------|-----------|----------|----------|
| NO | 48.0 | 44.0 | 42.0 | 44.0 |
| TEMP | 350.700 | 30003.000 | 4673.800 | 7058.000 |
| TSM | 8.40 | 8.00 | 8.20 | 7.00 |
| PH(FD) | 8.72 | 7.70 | 7.10 | 7.50 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 2.999 | 0.077 | 3.612 | 0.155 |
| K | 82.210 | 3.576 | 270.875 | 947.200 |
| NA | | 141.200 | 6.074 | 5.122 |
| NA | | 6227.000 | 793.300 | 41.203 |
| NH4 | | | | |
| CA | 12.220 | 0.610 | 678.400 | 1511.000 |
| CA | 3.570 | 0.294 | 91.530 | 63.230 |
| MG | 0.125 | 0.004 | 0.215 | 0.170 |
| FE | | | | 0.027 |
| MN | | | | |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| PB | | | | |
| AL | | 0.275 | | 0.002 |
| CL | 37.660 | 1.062 | 2164.000 | 3876.000 |
| CL | | | 1.998 | 16.940 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.043 | 0.003 | | 0.002 |
| S04 | 140.200 | 2.919 | 32.854 | 592.800 |
| S203 | | | 693.500 | |
| HC03 | 32.380 | 0.531 | 1.773 | 4.631 |
| CO3 | 0.477 | 0.016 | 0.011 | 0.001 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 16.800 | 0.280 | 162.784 | 6.943 |
| H3PO4 | | | 1.875 | |
| HAS02 | 0.049 | 0.000 | 2.640 | |
| CO2 | 0.312 | 0.007 | 0.017 | 0.553 |
| H2S | | | | 1.113 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 46.616 | 74.995 | 222.101 | 314.478 |
| CA/(HC03+C03) | 1.116 | 35.831 | 72.777 | 992.935 |
| MG/CA | 0.482 | 1.542 | 0.222 | 0.069 |
| NA/CA | 5.865 | 4.238 | 1.019 | 0.546 |
| CL/(HC03+C03) | 1.944 | 229.222 | 131.241 | 1439.334 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 23.463 | 92.191 | 80.377 | 89.801 |
| S04*100/(CL+S04+HC03+C03) | 64.465 | 7.407 | 19.011 | 10.136 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.072 | 0.402 | 0.612 | 0.062 |
| (NA+K)*100/(NA+K+CA+MG) | 80.170 | 62.813 | 45.582 | 33.898 |
| CA*100/(NA+K+CA+MG) | 13.383 | 14.628 | 44.514 | 61.835 |
| MG*100/(NA+K+CA+MG) | 6.448 | 22.560 | 9.904 | 4.267 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.928 | 99.598 | 99.388 | 99.938 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.072 | 0.402 | 0.612 | 0.062 |
| (NA+K)*100/(NA+K+CA+MG) | 80.170 | 62.813 | 45.582 | 33.898 |
| (CA+MG)*100/(NA+K+CA+MG) | 19.830 | 37.187 | 54.418 | 66.102 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC137 | INC138 | INC139 | INC140 |
|----------------------------------|---------|----------|----------|---------|
| NO | 42.0 | 48.0 | 40.0 | 43.0 |
| TEMP | 938.700 | 2359.000 | 1749.000 | 439.700 |
| TSM | 8.00 | 7.90 | 7.80 | 8.20 |
| PH(FD) | 6.60 | 7.49 | 8.00 | 8.76 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.134 | 16.270 | 0.416 | 0.803 |
| NA | 108.500 | 225.400 | 9.805 | 120.500 |
| NH4 | | | | |
| CA | 88.310 | 373.000 | 18.613 | 14.230 |
| MG | 0.615 | 36.330 | 2.990 | 0.781 |
| FE | 0.329 | 0.257 | 0.009 | 0.064 |
| MN | | | | 0.001 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 201.900 | 147.500 | 4.161 | 109.200 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.017 | 0.014 | 0.001 | 0.272 |
| S04 | 335.200 | 1257.000 | 26.171 | 126.900 |
| S203 | | | | |
| HCO3 | 26.550 | 29.520 | 0.484 | 36.830 |
| CO3 | 0.156 | 0.075 | 0.003 | 0.342 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 12.349 | 29.892 | 0.498 | 36.130 |
| H3P04 | 0.470 | | | 14.424 |
| HAS02 | 0.011 | 0.068 | 0.001 | 0.083 |
| CO2 | 0.638 | 0.920 | 0.021 | 0.559 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 46.462 | 23.559 | 90.455 | 255.188 |
| CA/(HCO3+CO3) | 10.007 | 38.272 | 31.028 | 1.155 |
| MG/CA | 0.011 | 0.161 | 0.044 | 0.091 |
| NA/CA | 1.071 | 0.527 | 0.836 | 7.382 |
| CL/(HCO3+CO3) | 12.934 | 8.556 | 33.237 | 5.009 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 43.429 | 13.502 | 60.377 | 48.607 |
| CA*100/(CL+S04+HCO3+CO3) | 53.214 | 84.920 | 37.807 | 41.688 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.358 | 1.578 | 1.817 | 9.705 |
| (NA+K)*100/(NA+K+CA+MG) | 51.717 | 32.118 | 44.735 | 87.173 |
| CA*100/(NA+K+CA+MG) | 47.735 | 58.487 | 52.921 | 11.763 |
| MG*100/(NA+K+CA+MG) | 0.548 | 9.394 | 2.345 | 1.065 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 96.642 | 98.422 | 98.183 | 90.295 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 3.358 | 1.578 | 1.817 | 9.705 |
| (NA+K)*100/(NA+K+CA+MG) | 51.717 | 32.118 | 44.735 | 87.173 |
| (CA+MG)*100/(NA+K+CA+MG) | 48.283 | 67.882 | 55.265 | 12.827 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC141 | INC142 | INC143 | INC144 |
|----------------------------------|---------|---------|----------|----------|
| NO | 60.0 | 44.5 | 51.5 | 51.5 |
| TEMP | 546.200 | 195.520 | 2257.700 | 2629.000 |
| TSM | 7.80 | 8.50 | 8.40 | 8.30 |
| PH(FD) | 8.15 | - | 8.42 | 6.95 |
| PH(CLR) | - | - | - | - |
| H (MG/KG) (MYAL/KG) | - | - | - | - |
| K | 2.109 | 0.054 | 0.021 | 0.106 |
| NA | 94.090 | 4.093 | 247.824 | 4,989 |
| NH4 | - | - | 4.156 | 215.840 |
| CA | 58.260 | 2.907 | 278.556 | 442.104 |
| MG | 4.710 | 0.383 | 0.622 | 10.395 |
| FE | 0.035 | 0.003 | 0.675 | 0.308 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 139.200 | 3.927 | 1803.118 | 261.850 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.010 | 0.001 | 0.043 | 0.003 |
| SO4 | 121.400 | 2.528 | 1035.100 | 1084.269 |
| S2O3 | - | - | - | - |
| HC03 | 40.340 | 0.661 | 54.130 | 0.887 |
| C03 | 0.147 | 0.005 | 4.050 | 0.135 |
| SI02 (MG/KG) (MMOL/KG) | 23.997 | 0.400 | 66.489 | 1.107 |
| HR02 | 4.326 | 0.099 | - | 70.025 |
| H3PO4 | - | - | - | - |
| HAS02 | 0.177 | 0.002 | 0.722 | 0.269 |
| C02 | 1.522 | 0.035 | 0.528 | 0.656 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 75.867 | 106.401 | 101.404 | 73.571 |
| CA/(HC03+C03) | 4.365 | 0.346 | 13.598 | 22.024 |
| MG/CA | 0.133 | 0.182 | 0.004 | 0.039 |
| NA/CA | 1.408 | 6.600 | 0.776 | 0.426 |
| CL/(HC03+C03) | 5.896 | 0.507 | 49.762 | 7.374 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 55.149 | 20.741 | 69.263 | 23.857 |
| S04*100/(CL+S04+HC03+C03) | 35.497 | 38.368 | 29.345 | 72.908 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.354 | 40.890 | 1.392 | 3.235 |
| (NA+K)*100/(NA+K+CA+MG) | 55.725 | 84.930 | 43.831 | 29.342 |
| CA*100/(NA+K+CA+MG) | 39.066 | 12.749 | 55.963 | 68.020 |
| MG*100/(NA+K+CA+MG) | 5.208 | 2.322 | 0.206 | 2.637 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90.646 | 59.110 | 98.608 | 96.765 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.354 | 40.890 | 1.392 | 3.235 |
| (NA+K)*100/(NA+K+CA+MG) | 55.725 | 84.930 | 43.831 | 29.342 |
| (CA+MG)*100/(NA+K+CA+MG) | 44.275 | 15.070 | 56.169 | 70.658 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| | INC145 | INC146 | INC147 | INC148 |
|----------------------------------|----------|----------|----------|-----------|
| NO | 53.5 | 46.5 | 52.5 | 39.0 |
| TEMP | 1174.400 | 3773.600 | 3708.300 | 14893.000 |
| TSM | 7.10 | 8.40 | 8.40 | 8.00 |
| PH(FD) | 6.10 | 7.12 | 6.80 | 7.40 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 20.887 | 1.179 | 0.030 | 94.310 |
| NA | 2625.820 | 491.060 | 21.361 | 2184.100 |
| NP4 | | | | |
| CA | 1286.570 | 601.501 | 30.015 | 2222.700 |
| MG | 10.060 | 11.656 | 0.959 | 435.400 |
| FE | 0.269 | 0.070 | 0.003 | 0.248 |
| MN | 0.129 | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 5660.760 | 1167.430 | 1012.600 | 7695.000 |
| BR | | | | |
| I | | | | |
| F | 0.009 | 0.043 | 0.003 | 0.002 |
| S04 | 1218.220 | 804.510 | 16.750 | 490.900 |
| S203 | 43.519 | 0.713 | 20.910 | 35.300 |
| HCO3 | 0.102 | 0.003 | 0.300 | 0.210 |
| CO3 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 21.328 | 0.355 | 26.776 | 42.046 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | 0.432 | 0.541 | 0.064 | |
| CO2 | 2.616 | 0.503 | 0.202 | 0.474 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 213.785 | 708.287 | 17.392 | 39.383 |
| CA/(HCO3+CO3) | 89.580 | 33.976 | 92.680 | 189.411 |
| MG/CA | 0.013 | 0.032 | 0.089 | 0.323 |
| NA/CA | 1.779 | 0.712 | 0.594 | 0.857 |
| CL/(HCO3+CO3) | 222.820 | 37.280 | 80.988 | 370.711 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 85.961 | 65.128 | 57.917 | 95.258 |
| S04*100/(CL+S04+HCO3+CO3) | 13.655 | 33.124 | 41.368 | 4.485 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.386 | 1.747 | 0.715 | 0.257 |
| (NA+K)*100/(NA+K+CA+MG) | 63.830 | 40.850 | 36.591 | 39.900 |
| CA*100/(NA+K+CA+MG) | 35.709 | 57.318 | 58.246 | 45.426 |
| MG*100/(NA+K+CA+MG) | 0.460 | 1.832 | 5.163 | 14.674 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.614 | 98.253 | 99.285 | 99.743 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.386 | 1.747 | 0.715 | 0.257 |
| (NA+K)*100/(NA+K+CA+MG) | 63.830 | 40.850 | 36.591 | 39.900 |
| (CA+MG)*100/(NA+K+CA+MG) | 36.170 | 59.150 | 63.409 | 60.100 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC149 | INC150 | INC151 | INC152 |
|----------------------------------|---------|-----------|---------|---------|
| NO | 53.5 | 52.0 | 50.5 | 26.0 |
| TEMP | 728.700 | 15228.000 | 255.500 | 95.560 |
| TSM | 8.20 | 7.80 | 8.40 | 8.60 |
| PH(PD) | 8.20 | 7.80 | 8.40 | 8.70 |
| PH(LB) | 8.20 | 7.80 | 8.40 | 8.70 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.516 | 0.064 | 5.010 | 0.200 |
| NA | 140.900 | 6.129 | 59.070 | 23.810 |
| NR4 | | | | |
| CA | 60.270 | 3.007 | 113.847 | 6.814 |
| MG | 3.231 | 0.266 | 0.535 | 1.071 |
| FE | 0.822 | 0.029 | 1.641 | 0.088 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 167.400 | 3.030 | 28.310 | 7.150 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.027 | 0.002 | 0.043 | 0.004 |
| S04 | 329.000 | 6.850 | 81.830 | 26.060 |
| S203 | | | | |
| HC03 | 28.520 | 0.467 | 49.010 | 45.100 |
| C03 | 0.267 | 0.009 | 0.723 | 1.080 |
| SI02 (MG/KG)(MMOL/KG) | 28.579 | 0.476 | 19.365 | 5.548 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | 0.047 | 0.000 | 0.203 | 0.044 |
| C02 | 0.431 | 0.010 | 0.471 | 0.377 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 95.233 | 157.399 | 20.050 | 202.450 |
| CA/(HC03+C03) | 6.314 | 215.197 | 0.610 | 0.439 |
| MG/CA | 0.088 | 0.171 | 0.087 | 0.239 |
| NA/CA | 2.038 | 0.825 | 5.088 | 3.046 |
| CL/(HC03+C03) | 6.360 | 396.588 | 0.965 | 0.260 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 29.256 | 90.718 | 23.985 | 13.275 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 56.144 | 9.054 | 51.167 | 35.708 |
| (NA+K)*100/(NA+K+CA+MG) | 4.600 | 0.229 | 24.848 | 51.017 |
| CA*100/(NA+K+CA+MG) | 65.423 | 41.508 | 83.090 | 70.854 |
| MG*100/(NA+K+CA+MG) | 31.768 | 49.968 | 15.554 | 23.146 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 2.809 | 8.524 | 1.356 | 5.999 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 95.400 | 99.771 | 75.152 | 48.983 |
| (NA+K)*100/(NA+K+CA+MG) | 4.600 | 0.229 | 24.848 | 51.017 |
| (CA+MG)*100/(NA+K+CA+MG) | 65.423 | 41.508 | 83.090 | 70.854 |
| | 14.577 | 58.492 | 16.910 | 29.146 |

(第22-2表 伊豆北部地域水質一覧表(つづき))

| | INC153 | INC154 | INC155 | INC156 |
|----------------------------------|---------|---------|-----------|----------|
| NO | 25.5 | 35.1 | 49.0 | 48.0 |
| TEMP | 75.610 | 768.800 | 772.900 | 2415.000 |
| TSM | 8.20 | 8.60 | 8.00 | 7.80 |
| PH(PD) | 7.90 | 8.40 | 6.82 | 6.83 |
| PH(CLB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 0.200 | 1.702 | 0.026 | 5.080 |
| NA | 19.200 | 173.700 | 157.700 | 260.000 |
| NH4 | | | 0.445 | TR. |
| CA | 4.841 | 71.840 | 68.260 | 457.700 |
| MG | 0.530 | 4.842 | 0.535 | 5.052 |
| FF | | | 0.019 | 0.708 |
| MN | | | 0.030 | TR. |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 6.131 | 141.500 | 33.860 | 7.020 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.027 | 0.068 | 0.017 | 0.007 |
| S04 | 22.330 | 321.400 | 403.800 | 1569.400 |
| S203 | | | | 0.281 |
| HC03 | 42.550 | 19.330 | 41.680 | 36.130 |
| C03 | 0.416 | 0.463 | 0.237 | 0.0 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 8.004 | 17.839 | 36.072 | 27.678 |
| H3P04 | | | | |
| HAS02 | 0.030 | | | |
| C02 | 0.923 | 0.162 | 0.137 | 0.086 |
| H2S | | | 1.338 | 0.214 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 163.253 | 173.552 | 10314.473 | 87.036 |
| CA/(HC03+C03) | 0.340 | 10.789 | 4.929 | 38.569 |
| MG/CA | 0.181 | 0.111 | 0.013 | 0.018 |
| NA/CA | 3.457 | 2.108 | 2.014 | 0.495 |
| CL/(HC03+C03) | 0.245 | 12.014 | 1.382 | 0.334 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 12.911 | 36.237 | 9.501 | 0.592 |
| S04*100/(CL+S04+HC03+C03) | 34.424 | 60.747 | 83.625 | 97.639 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 52.665 | 3.016 | 6.874 | 1.770 |
| (NA+K)*100/(NA+K+CA+MG) | 74.662 | 65.610 | 66.538 | 32.973 |
| CA*100/(NA+K+CA+MG) | 21.463 | 30.950 | 33.035 | 65.829 |
| MG*100/(NA+K+CA+MG) | 3.875 | 3.440 | 0.427 | 1.198 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 47.335 | 96.984 | 93.126 | 98.230 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 52.665 | 3.016 | 6.874 | 1.770 |
| (NA+K)*100/(NA+K+CA+MG) | 74.662 | 65.610 | 66.538 | 32.973 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.338 | 34.390 | 33.462 | 67.027 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| | INC157 | INC158 | INC159 | INC160 |
|----------------------------------|---------|---------|---------|----------|
| NO | 49.5 | 39.0 | 47.0 | 46.0 |
| TEMP | 299.700 | 469.700 | 202.300 | 3072.000 |
| TSM | 8.30 | 8.20 | 8.80 | 7.80 |
| PH(FD) | 8.49 | 8.32 | 8.65 | 6.60 |
| PH(CLR) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.095 | 0.02K | 0.020 | 0.191 |
| NA | 72.670 | 3.161 | 0.790 | 7.471 |
| NH4 | | 140.960 | 56.010 | 384.100 |
| CA | 13.000 | 0.649 | 6.940 | 566.200 |
| MG | 0.448 | 0.037 | 0.091 | 2.718 |
| FF | 0.020 | 0.001 | 0.017 | 0.762 |
| MN | | TR. | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 32.510 | 0.917 | 20.450 | 823.100 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.034 | 0.002 | 0.107 | 0.010 |
| S04 | 105.400 | 2.194 | 65.200 | 1136.000 |
| S203 | | | | |
| HC03 | 43.250 | 0.709 | 54.540 | 23.940 |
| C03 | 0.521 | 0.017 | 2.047 | 0.089 |
| SI02 (MG/KG)(MMOL/KG) | 22.991 | 0.383 | 17.700 | 24.305 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | 0.056 | 0.001 | 0.010 | 0.000 |
| C02 | 0.721 | 0.016 | 0.290 | 1.278 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 112.857 | 323.931 | 120.567 | 87.429 |
| CA/(HC03+C02) | 0.893 | 2.025 | 0.360 | 71.465 |
| MG/CA | 0.057 | 0.104 | 0.050 | 0.008 |
| NA/CA | 4.873 | 7.002 | 7.035 | 0.591 |
| CL/(HC03+C03) | 1.263 | 9.634 | 0.800 | 58.733 |
| CL/F | | | | |
| CL*10R/(CL+S04+HC03+C03) | 23.897 | 60.589 | 19.917 | 49.125 |
| S04*10R/(CL+S04+HC03+C02) | 57.190 | 33.121 | 46.866 | 50.039 |
| (HC03+C03)*10R/(CL+S04+HC03+C03) | 13.923 | 6.289 | 33.217 | 0.836 |
| (NA+K)*10R/(NA+K+CA+MG) | 82.307 | 86.420 | 87.105 | 37.243 |
| CA*10R/(NA+K+CA+MG) | 16.742 | 12.305 | 12.279 | 62.264 |
| MG*10R/(NA+K+CA+MG) | 0.951 | 1.275 | 0.616 | 0.493 |
| (CL+S04)*10R/(CL+S04+HC03+C03) | 81.077 | 93.711 | 66.783 | 99.164 |
| (HC03+C03)*10R/(CL+S04+HC03+C03) | 18.923 | 6.289 | 33.217 | 0.836 |
| (NA+K)*10C/(NA+K+CA+MG) | 82.307 | 86.420 | 87.105 | 37.243 |
| (CA+MG)*10C/(NA+K+CA+MG) | 17.693 | 13.580 | 12.895 | 62.757 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| NO | INC161 | INC162 | INC163 | INC164 |
|----------------------------------|----------|---------|----------|---------|
| TEMP | 43.0 | 50.0 | 40.5 | 53.0 |
| TSM | 2310.000 | 696.700 | 8242.000 | 821.000 |
| PH(FD) | 7.00 | 8.00 | 7.40 | 8.30 |
| PH(LB) | 6.85 | 8.02 | 7.49 | 8.25 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 4.346 | 2.054 | 14.530 | 2.991 |
| NA | 214.800 | 156.300 | 1413.000 | 169.600 |
| NH4 | | | | |
| CA | 457.000 | 42.210 | 1463.000 | 37.940 |
| MG | 10.950 | 0.066 | 135.400 | 0.110 |
| FE | | 0.233 | 1.294 | |
| MN | | | 0.518 | |
| ZN | | | | |
| CU | | | 0.209 | 0.007 |
| PB | | | | |
| AL | | | | |
| CL | 137.700 | 78.980 | 4583.000 | 44.560 |
| BR | | 0.272 | 8.121 | 0.060 |
| I | | 0.020 | 0.153 | 0.001 |
| F | | | | |
| OH | | 0.017 | 0.005 | 0.034 |
| S04 | 1380.000 | 346.000 | 702.500 | 375.100 |
| S203 | | | | |
| HC03 | 27.760 | 43.460 | 18.680 | 46.650 |
| C03 | 0.015 | 0.257 | 0.028 | 0.561 |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| H802 | 17.290 | 28.192 | 20.807 | 34.150 |
| H3P04 | | 2.173 | 6.711 | 1.903 |
| HAS02 | | 0.112 | 0.017 | 0.085 |
| C02 | 0.041 | 0.216 | 0.044 | 0.000 |
| C02 | 9.255 | 1.450 | 2.491 | 0.777 |
| H2S | | | | |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 44.049 | 129.404 | 165.373 | 96.427 |
| CA/(HC03+C03) | 59.066 | 2.922 | 237.721 | 2.417 |
| MG/CA | 0.040 | 0.003 | 0.153 | 0.005 |
| NA/CA | 9.410 | 3.228 | 8.842 | 3.897 |
| CL/(HC03+C03) | 3.528 | 3.091 | 420.993 | 1.605 |
| CL/F | | | | |
| CL*100/(CL+504+HC03+C03) | 11.746 | 21.945 | 89.646 | 12.762 |
| S04*100/(CL+S04+HC03+C03) | 46.977 | 70.954 | 10.142 | 79.286 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.377 | 7.100 | 0.213 | 7.952 |
| (NA+K)*100/(NA+K+CA+MG) | 28.513 | 76.440 | 42.359 | 79.669 |
| CA*100/(NA+K+CA+MG) | 88.770 | 23.499 | 50.008 | 20.234 |
| MG*100/(NA+K+CA+MG) | 2.717 | 0.061 | 7.632 | 0.097 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 98.623 | 92.900 | 99.787 | 92.048 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.377 | 7.100 | 0.213 | 7.952 |
| (NA+K)*100/(NA+K+CA+MG) | 28.513 | 76.440 | 42.359 | 79.669 |
| (CA+MG)*100/(NA+K+CA+MG) | 71.467 | 23.560 | 57.641 | 20.331 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| NO | INC165 | INC166 | INC167 | INC168 |
|----------------------------------|---------|--------|----------|----------|
| TEMP | 55.0 | 14.5 | 61.0 | 60.0 |
| TSM | 760.000 | 97.000 | 3136.000 | 2241.000 |
| PH(FD) | 8.40 | 7.40 | 8.30 | 8.40 |
| PH(LB) | 8.39 | 8.35 | 7.80 | 8.15 |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 2.908 | 0.074 | 23.310 | 18.400 |
| NA | 158.400 | 6.890 | 748.400 | 548.900 |
| NH4 | - | 0.452 | 0.012 | 0.596 |
| CA | 30.390 | 1.707 | 0.085 | 32.555 |
| MG | 0.291 | 2.319 | 10.155 | 109.600 |
| FF | - | 0.024 | 14.610 | 6.720 |
| MN | - | - | 1.658 | 2.058 |
| ZN | - | - | - | - |
| CU | 0.010 | 0.000 | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 71.480 | 2.016 | 1185.000 | 631.100 |
| BR | 0.053 | 0.001 | - | - |
| I | 0.055 | 0.000 | - | - |
| F | - | 0.003 | 0.034 | 0.043 |
| OH | 0.043 | 0.005 | 0.034 | 0.003 |
| S04 | 346.300 | 7.210 | 399.700 | 378.900 |
| S203 | - | 1.646 | - | 7.889 |
| HC03 | 53.490 | 0.877 | 421.100 | 461.600 |
| CO3 | 0.803 | 0.027 | 4.969 | 3.406 |
| SI02 (MG/KG) (MMOL/KG) | 48.171 | 0.802 | 111.775 | 120.359 |
| HR02 | 1.859 | 0.042 | 2.805 | 2.804 |
| H3P04 | 0.103 | 0.001 | 0.334 | 0.064 |
| HAS02 | 0.221 | 0.002 | 0.163 | 0.162 |
| CO2 | 0.715 | 0.016 | 5.061 | 0.150 |
| H2S | - | - | - | 4.436 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 92.630 | 20.395 | 54.598 | 50.730 |
| CA/(HC03+CO3) | 1.678 | 0.161 | 1.437 | 0.712 |
| MG/CA | 0.016 | 2.240 | 0.118 | 0.101 |
| NA/CA | 4.344 | 2.768 | 3.206 | 4.366 |
| CL/(HC03+CO3) | 2.232 | 0.325 | 4.730 | 2.318 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 19.906 | 23.374 | 68.476 | 53.349 |
| S04*100/(CL+S04+HC03+CO3) | 71.175 | 4.653 | 17.046 | 23.639 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.919 | 71.974 | 14.477 | 23.011 |
| (NA+K)*100/(NA+K+CA+MG) | 81.889 | 47.265 | 74.484 | 80.171 |
| CA*100/(NA+K+CA+MG) | 17.830 | 16.275 | 22.815 | 18.008 |
| MG*100/(NA+K+CA+MG) | 0.282 | 36.461 | 2.701 | 1.821 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 91.081 | 28.026 | 85.523 | 76.989 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 8.919 | 71.974 | 14.477 | 23.011 |
| (NA+K)*100/(NA+K+CA+MG) | 81.889 | 47.265 | 74.484 | 80.171 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.111 | 52.735 | 25.516 | 19.829 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| NO | INC169 | INC170 | INC171 | INC172 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 60.0 | - | 52.0 | 45.0 |
| TSM | 2183.500 | 1146.000 | 1510.000 | 7767.000 |
| PH(FD) | 8.30 | 8.60 | 8.20 | 7.80 |
| PH(LR) | 8.21 | 7.92 | 7.95 | 7.76 |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 5.114 | 4.531 | 3.107 | 13.780 |
| NA | 514.300 | 355.100 | 350.800 | 1569.000 |
| NR4 | - | - | - | - |
| CA | 129.800 | 25.070 | 137.700 | 433.700 |
| MG | 1.363 | 1.157 | 2.245 | 337.000 |
| FF | - | 0.056 | - | 2.665 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | 0.101 |
| CL | 710.700 | 402.200 | 462.100 | 3694.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.034 | 0.068 | - | 0.020 |
| S04 | 570.400 | 168.400 | 488.200 | 602.500 |
| S203 | - | - | - | - |
| HC03 | 48.560 | 93.360 | 29.950 | 349.300 |
| C03 | 0.285 | 2.202 | 0.130 | 0.511 |
| ST02 (MG/KG) (MMOL/KG) | - | - | - | - |
| HB02 | 98.171 | 52.357 | 0.872 | 53.831 |
| H3P04 | 6.975 | 0.525 | 0.012 | 6.735 |
| HAS02 | 0.539 | 0.334 | 0.003 | 0.907 |
| C02 | 0.595 | 0.057 | 0.001 | 16.600 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 171.019 | 133.274 | 192.003 | 193.625 |
| CA/(HC03+C03) | 8.042 | 0.780 | 13.875 | 3.769 |
| MG/CA | 0.017 | 0.076 | 0.027 | 1.281 |
| NA/CA | 3.654 | 12.348 | 2.221 | 3.154 |
| CL/(HC03+C03) | 24.893 | 7.076 | 26.324 | 18.149 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 61.255 | 68.949 | 55.014 | 85.073 |
| S04*100/(CL+S04+HC03+C03) | 36.284 | 21.306 | 42.896 | 10.240 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.461 | 9.745 | 2.090 | 4.687 |
| (NA+K)*100/(NA+K+CA+MG) | 77.351 | 92.039 | 68.493 | 58.150 |
| CA*100/(NA+K+CA+MG) | 22.264 | 7.398 | 30.682 | 18.344 |
| MG*100/(NA+K+CA+MG) | 0.386 | 0.563 | 0.825 | 23.506 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.539 | 90.255 | 97.910 | 95.313 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.461 | 9.745 | 2.090 | 4.687 |
| (NA+K)*100/(NA+K+CA+MG) | 77.351 | 92.039 | 68.493 | 58.150 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.649 | 7.961 | 31.507 | 41.850 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC173 | INC174 | INC175 | INC176 |
|----------------------------------|----------|----------|----------|----------|
| NO | 91.0 | 84.0 | 100.0 | 59.0 |
| TEMP | 2792.000 | 3383.000 | 2797.000 | 1334.000 |
| TSM | 7.90 | 7.70 | 8.30 | 8.20 |
| PH(FD) | 7.70 | 7.50 | 8.07 | 7.89 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 41.500 | 7.319 | 0.187 | 8.269 |
| NA | 762.600 | 852.000 | 37.062 | 253.400 |
| NH4 | | | | |
| CA | 109.700 | 278.600 | 13.902 | 149.500 |
| MG | 22.000 | 3.348 | 0.276 | 7.928 |
| FE | 0.515 | 0.248 | 0.009 | 0.729 |
| MN | 0.298 | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.748 | 0.429 | 0.048 | |
| CL | 971.200 | 1267.000 | 35.742 | 531.500 |
| BR | | 1.424 | 0.018 | 0.072 |
| I | | | | |
| F | | | | |
| OH | 551.600 | 0.009 | 0.001 | 0.027 |
| S04 | | 629.600 | 13.108 | 183.300 |
| S203 | | | | |
| HC03 | 162.600 | 156.300 | 2.595 | 31.790 |
| C03 | | 0.468 | 0.016 | 0.294 |
| SI02 (MG/KG)(NMOL/KG) | 156.019 | 67.519 | 1.124 | 62.744 |
| HR02 | | | | |
| H3P04 | | | | |
| HAS02 | 0.320 | 0.545 | 0.005 | 0.035 |
| C02 | 1.505 | 7.609 | 0.173 | 0.457 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 31.209 | 197.960 | | 52.113 |
| CA/(HC03+C03) | 2.054 | 5.326 | 1.751 | 14.053 |
| MG/CA | 0.331 | 0.020 | 0.076 | 0.087 |
| NA/CA | 6.060 | 2.666 | 6.744 | 1.478 |
| CL/(HC03+C03) | 10.280 | 13.694 | 9.113 | 28.245 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 65.944 | 69.455 | 64.993 | 77.523 |
| S04*100/(CL+S04+HC03+C03) | 27.642 | 23.473 | 27.875 | 19.732 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.414 | 5.072 | 7.132 | 2.745 |
| (NA+K)*100/(NA+K+CA+MG) | 92.455 | 72.431 | 86.608 | 58.068 |
| CA*100/(NA+K+CA+MG) | 13.184 | 27.033 | 12.444 | 38.559 |
| MG*100/(NA+K+CA+MG) | 4.360 | 0.536 | 0.949 | 3.372 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.586 | 94.928 | 92.868 | 97.255 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.414 | 5.072 | 7.132 | 2.745 |
| (NA+K)*100/(NA+K+CA+MG) | 92.455 | 72.431 | 86.608 | 58.068 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.545 | 27.569 | 13.592 | 41.932 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC177 | INC178 | INC179 | INC180 |
|----------------------------------|----------|----------|----------|----------|
| NO | 97.0 | 97.0 | 100.0 | 95.0 |
| TEMP | 3190.000 | 2750.000 | 2757.000 | 2877.000 |
| TSM | 8.20 | 8.50 | 8.30 | 8.30 |
| PH(FD) | 7.58 | 8.69 | 8.50 | 8.50 |
| PH(LR) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 32.470 | 0.831 | 0.894 | 0.889 |
| NA | 786.300 | 34.204 | 31.600 | 34.750 |
| NH4 | | 637.300 | 548.800 | 817.000 |
| CA | 235.500 | 11.751 | 4.303 | 102.600 |
| MG | 24.980 | 2.056 | 0.286 | 7.400 |
| FE | 0.279 | 0.010 | 0.003 | 0.128 |
| MN | | | 0.100 | 0.005 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | | | 0.800 | 0.342 |
| CL | 1294.000 | 36.504 | 770.200 | 1008.000 |
| BR | 0.112 | 0.001 | 24.021 | 21.727 |
| T | | | | |
| F | | | | |
| OH | 0.027 | 0.002 | 0.003 | 0.092 |
| S04 | 467.100 | 9.725 | 11.618 | 11.141 |
| S203 | | 0.054 | 1.568 | 555.700 |
| HC03 | 154.000 | 2.524 | 95.360 | 168.400 |
| C03 | 1.443 | 0.048 | 1.380 | 0.990 |
| SI02 (MG/KG)(MMOL/KG) | 87.309 | 1.454 | 460.426 | 169.803 |
| HB02 | | 165.855 | 2.761 | 7.666 |
| H3P04 | | 2.804 | 0.064 | |
| HAS02 | 0.140 | 0.129 | 0.001 | |
| C02 | 2.328 | 0.136 | 0.001 | 0.551 |
| H2S | | 0.942 | 0.021 | 1.782 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 41.181 | 31.009 | 29.534 | 39.981 |
| CA/(HC03+C03) | 4.569 | 2.069 | 4.441 | 1.833 |
| MG/CA | 0.175 | 0.066 | 0.350 | 0.119 |
| NA/CA | 2.911 | 6.443 | 3.341 | 6.942 |
| CL/(HC03+C03) | 14.192 | 11.550 | 13.504 | 10.181 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 74.801 | 63.685 | 63.020 | 66.441 |
| S04*100/(CL+S04+HC03+C03) | 19.928 | 30.801 | 32.314 | 27.033 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.271 | 5.514 | 4.667 | 6.526 |
| (NA+K)*100/(NA+K+CA+MG) | 71.731 | 86.180 | 71.892 | 86.411 |
| CA*100/(NA+K+CA+MG) | 24.060 | 12.928 | 20.814 | 12.144 |
| MG*100/(NA+K+CA+MG) | 1.209 | 0.861 | 7.294 | 1.444 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 94.729 | 94.486 | 95.333 | 93.474 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.271 | 5.514 | 4.667 | 6.526 |
| (NA+K)*100/(NA+K+CA+MG) | 71.731 | 86.180 | 71.892 | 86.411 |
| (CA+MG)*100/(NA+K+CA+MG) | 28.269 | 13.820 | 28.108 | 13.589 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC181 | INC182 | INC183 | INC184 |
|----------------------------------|----------|----------|----------|----------|
| NO | 96.0 | 96.0 | 100.0 | 95.0 |
| TEMP | 2466.000 | 2879.700 | 2843.000 | 2723.000 |
| TSM | 8.20 | 8.20 | 8.20 | 8.50 |
| PH(FD) | 7.68 | 8.30 | 8.50 | 8.25 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 27.670 | 0.708 | 1.266 | 1.320 |
| NA | 745.600 | 32.434 | 36.083 | 746.600 |
| NH4 | | 49.480 | 45.500 | 51.620 |
| CA | | 825.500 | 787.300 | 746.600 |
| MG | 81.420 | TR. | TR. | TR. |
| FE | 3.708 | 87.420 | 115.900 | 85.740 |
| MN | 0.246 | 3.879 | 0.433 | 4.374 |
| ZN | | 0.047 | 0.091 | 0.653 |
| CU | | TR. | TR. | TR. |
| PR | | | | |
| AL | | | | |
| CL | 909.400 | 25.654 | 29.226 | 884.600 |
| BR | | 1036.000 | 960.000 | 24.955 |
| I | | | | |
| F | | | | |
| OH | 0.027 | 0.002 | 0.002 | 0.003 |
| S04 | 440.100 | 9.163 | 11.767 | 560.600 |
| S203 | | 565.200 | 616.600 | 11.672 |
| HC03 | 158.900 | 2.604 | 1.867 | 127.100 |
| C03 | 1.494 | 0.050 | 0.018 | 2.343 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| H002 | 121.517 | 2.023 | 4.592 | 291.737 |
| H3P04 | | 275.821 | 128.664 | 9.364 |
| HAS02 | | 1.873 | 0.043 | 0.214 |
| C02 | 0.119 | 0.047 | 0.000 | 0.004 |
| H2S | 2.407 | 1.725 | 0.039 | 0.978 |
| RN (*E=10 CURIE/L) | | | | |
| NA/K | 45.823 | | | |
| CA/(HC03+C03) | 1.531 | 28.509 | 29.425 | 24.596 |
| MG/CA | 0.075 | 2.315 | 2.476 | 1.980 |
| NA/CA | 7.983 | 0.075 | 0.075 | 0.084 |
| CL/(HC03+C03) | 9.656 | 8.272 | 5.922 | 7.591 |
| CL/F | | 15.508 | 11.594 | 11.546 |
| CL*100/(CL+S04+HC03+C03) | 68.464 | | | |
| S04*100/(CL+S04+HC03+C03) | 24.453 | 68.160 | 64.091 | 64.337 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.083 | 27.444 | 30.381 | 30.091 |
| (NA+K)*100/(NA+K+CA+MG) | 88.355 | 4.395 | 5.528 | 5.572 |
| CA*100/(NA+K+CA+MG) | 10.832 | 88.862 | 85.068 | 87.932 |
| MG*100/(NA+K+CA+MG) | 0.813 | 10.379 | 13.893 | 11.131 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.917 | 0.759 | 1.039 | 0.936 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.083 | 95.605 | 94.472 | 94.428 |
| (NA+K)*100/(NA+K+CA+MG) | 88.355 | 4.395 | 5.528 | 5.572 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.645 | 88.862 | 85.068 | 87.932 |
| | | 11.138 | 14.932 | 12.068 |

第2-2表 伊豆北部地域水質一覧表(つづき)

| | INC185 | INC186 | INC187 | INC188 |
|----------------------------------|----------|----------|----------|----------|
| NO | 93.5 | 91.0 | 94.0 | 100.0 |
| TEMP | 2655.000 | 2776.000 | 2761.000 | 2559.000 |
| TSM | 8.40 | 8.30 | 8.60 | 8.10 |
| PH(FD) | 8.22 | 8.22 | 8.17 | 7.30 |
| PH(CLR) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 42.210 | 60.290 | 1.542 | 1.413 |
| NA | 761.800 | 782.600 | 34.043 | 34.056 |
| NH4 | | | | |
| CA | 86.140 | 83.150 | 4.149 | 4.312 |
| MG | 4.875 | 7.745 | 0.637 | 0.890 |
| FE | 0.138 | 0.648 | 0.023 | 0.020 |
| MN | TR. | TR. | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | 3.000 |
| CL | 884.600 | 867.200 | 24.464 | 971.700 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.003 | 0.002 | 0.000 | 0.000 |
| S04 | 546.900 | 601.600 | 12.525 | 9.344 |
| S203 | | | | |
| HCO3 | 115.400 | 120.400 | 1.973 | 2.031 |
| C03 | 1.703 | 1.421 | 0.047 | 0.098 |
| S102 (MG/KG)(MMOL/KG) | 314.145 | 350.029 | 5.828 | 8.602 |
| HBO2 | 9.598 | 9.587 | 0.219 | 0.214 |
| H3PO4 | 0.010 | 0.000 | 0.010 | 0.000 |
| HAS02 | 0.374 | 0.432 | 0.004 | 0.506 |
| C02 | 1.110 | 1.447 | 0.033 | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 30.691 | 22.074 | 24.101 | 39.804 |
| CA/(HCO3+C03) | 2.206 | 2.053 | 2.026 | 2.559 |
| MG/CA | 0.093 | 0.154 | 0.206 | 0.313 |
| NA/CA | 7.709 | 8.205 | 7.897 | 4.666 |
| CL/(HCO3+C03) | 12.809 | 12.106 | 12.880 | 10.329 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+C03) | 65.174 | 62.712 | 70.496 | 65.650 |
| S04*100/(CL+S04+HCO3+C03) | 29.738 | 32.108 | 24.031 | 27.994 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 5.088 | 5.180 | 5.473 | 6.356 |
| (NA+K)*100/(NA+K+CA+MG) | 87.924 | 88.144 | 87.208 | 78.459 |
| CA*100/(NA+K+CA+MG) | 11.045 | 10.277 | 10.603 | 16.404 |
| MG*100/(NA+K+CA+MG) | 1.031 | 1.579 | 2.189 | 5.137 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 94.912 | 94.820 | 94.527 | 93.644 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 5.088 | 5.180 | 5.473 | 6.356 |
| (NA+K)*100/(NA+K+CA+MG) | 87.924 | 88.144 | 87.208 | 78.459 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.076 | 11.856 | 12.792 | 21.541 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC189 | INC190 | INC191 | INC192 |
|----------------------------------|----------|----------|----------|----------|
| NO | 98.0 | 98.0 | 100.5 | 110.0 |
| TEMP | 2143.600 | 2827.000 | 2967.000 | 3203.000 |
| TSM | 8.20 | 8.60 | 8.20 | 8.00 |
| PH(FD) | 8.20 | 8.70 | 8.60 | 7.70 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 36.360 | 0.930 | 1.004 | 6.032 |
| NA | 542.395 | 23.594 | 33.852 | 732.500 |
| NH4 | | | | |
| CA | 122.288 | 6.102 | 4.068 | 249.700 |
| MG | 24.464 | 2.013 | 0.747 | 51.740 |
| FE | 0.175 | 0.006 | 0.004 | 0.160 |
| MN | | | | 0.200 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.002 | 0.000 | | 1.500 |
| CL | 836.113 | 23.587 | 26.895 | 1184.000 |
| BR | | | | |
| I | | | | 0.211 |
| F | | | | |
| OH | 0.051 | 0.003 | 0.004 | |
| S04 | 336.731 | 7.011 | 12.009 | 608.500 |
| S203 | | | | |
| HC03 | 70.211 | 1.151 | 2.213 | 171.900 |
| C03 | 25.471 | 0.849 | 0.106 | |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 149.713 | 2.493 | 2.894 | 114.472 |
| H3PO4 | | | | |
| HAS02 | 0.062 | 0.001 | 0.064 | |
| C02 | | | | 0.246 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 25.368 | 33.708 | 31.232 | 206.507 |
| CA/(HC03+C03) | 3.052 | 1.754 | 3.344 | 4.422 |
| MG/CA | 0.330 | 0.184 | 0.006 | 0.342 |
| NA/CA | 3.867 | 8.322 | 3.738 | 2.557 |
| CL/(HC03+C03) | 11.795 | 11.598 | 11.463 | 11.855 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 72.358 | 65.243 | 70.432 | 68.322 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 21.507 | 29.132 | 23.424 | 25.915 |
| (NA+K)*100/(NA+K+CA+MG) | 6.135 | 5.625 | 6.144 | 5.763 |
| CA*100/(NA+K+CA+MG) | 75.137 | 87.863 | 79.316 | 65.697 |
| MG*100/(NA+K+CA+MG) | 18.696 | 10.254 | 20.558 | 25.867 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 6.168 | 1.863 | 0.126 | 8.736 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 93.865 | 94.375 | 93.856 | 94.237 |
| (NA+K)*100/(NA+K+CA+MG) | 6.135 | 5.625 | 6.144 | 5.763 |
| (CA+MG)*100/(NA+K+CA+MG) | 75.137 | 87.863 | 79.316 | 65.697 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.863 | 12.137 | 20.684 | 34.303 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| NO | TEMP | TSM | PH(FD) | PH(LB) | INC193 | | INC194 | | INC195 | | INC196 | |
|----------------------------------|---------|---------|--------|---------|---------|---------|---------|----------|--------|-------|--------|-------|
| | | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 24.180 | 0.619 | 32.081 | 5.919 | 0.151 | 6.899 | 0.176 | 8.123 | 0.208 | | | |
| NA | 737.500 | 768.000 | 33.408 | 33.408 | 732.800 | 31.877 | 784.960 | 34.146 | | | | |
| NH4 | | 1.009 | | | | | | 0.424 | | | | |
| CA | 94.810 | 4.731 | 4.731 | 141.400 | 7.056 | 136.700 | 6.821 | 160.700 | 8.019 | | | |
| MG | 45.170 | 3.717 | 3.717 | 1.465 | 0.121 | 4.223 | 0.348 | 20.660 | 1.700 | | | |
| FE | 0.800 | 0.029 | 0.029 | 2.180 | 0.078 | 0.846 | 0.030 | 2.359 | 0.084 | | | |
| MN | 0.100 | 0.004 | 0.004 | 0.001 | 0.000 | 0.006 | 0.000 | 0.018 | 0.001 | | | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PR | | | | | | | | | | | | |
| AL | 1.000 | 0.111 | | | | | | | | | | |
| CL | 920.800 | 25.976 | | 876.800 | 24.735 | 824.100 | 23.248 | 1013.000 | 28.577 | | | |
| BR | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | 0.051 | 0.003 | | | | | | | | | | |
| SO4 | 632.600 | 13.171 | | 634.500 | 13.210 | 643.500 | 13.398 | 635.400 | 13.229 | | | |
| S2O3 | | | | | | | | | | | | |
| HC03 | 125.600 | 2.059 | | 191.100 | 3.132 | 132.800 | 2.996 | 158.500 | 2.598 | | | |
| CO3 | 2.130 | 0.071 | | 2.125 | 0.071 | 2.023 | 0.067 | 1.763 | 0.059 | | | |
| SI02 (MG/KG)(MMOL/KG) | 172.785 | 2.877 | | 228.328 | 3.802 | 261.639 | 4.356 | 376.342 | 6.266 | | | |
| HR02 | | | | 18.700 | 0.427 | 17.300 | 0.395 | 12.000 | 0.274 | | | |
| H3PO4 | | | | 0.236 | 0.002 | 3.861 | 0.040 | 0.636 | 0.006 | | | |
| HAS02 | 0.237 | 0.003 | | 0.238 | 0.002 | 0.236 | 0.002 | 0.130 | 0.001 | | | |
| CO2 | | | | | | | | | | | | |
| H2S | | | | 1.820 | 0.053 | 1.301 | 0.038 | 2.170 | 0.064 | | | |
| RN (*E-10 CURIE/L) | | | | | | | | | | | | |
| NA/K | 51.867 | | | 220.649 | | 180.629 | | 164.331 | | | | |
| CA/(HC03+CO3) | 2.222 | | | 2.203 | | 2.227 | | 3.019 | | | | |
| MG/CA | 0.786 | | | 0.017 | | 0.051 | | 0.212 | | | | |
| NA/CA | 6.781 | | | 4.735 | | 4.673 | | 4.258 | | | | |
| CL/(HC03+CO3) | 12.198 | | | 7.722 | | 7.589 | | 10.757 | | | | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+SO4+HC03+CO3) | 52.932 | | | 60.111 | | 58.545 | | 64.272 | | | | |
| SO4*100/(CL+SO4+HC03+CO3) | 31.909 | | | 32.105 | | 33.740 | | 29.753 | | | | |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 5.159 | | | 7.784 | | 7.715 | | 5.975 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 79.469 | | | 82.383 | | 81.722 | | 77.948 | | | | |
| CA*100/(NA+K+CA+MG) | 11.493 | | | 17.321 | | 17.392 | | 18.195 | | | | |
| MG*100/(NA+K+CA+MG) | 9.033 | | | 0.296 | | 0.886 | | 3.858 | | | | |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 94.841 | | | 92.216 | | 92.285 | | 94.025 | | | | |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 5.159 | | | 7.784 | | 7.715 | | 5.975 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 79.469 | | | 82.383 | | 81.722 | | 77.948 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 20.531 | | | 17.617 | | 15.278 | | 22.052 | | | | |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC197 | | INC198 | | INC199 | | INC200 | |
|----------------------------------|----------|----------|----------|--------|---------|----------|---------|--------|
| | 100.0 | 100.0 | 100.0 | 94.0 | 83.0 | 2554.000 | 83.0 | 83.0 |
| TEMP | 2635.000 | 2778.000 | 2894.000 | 8.20 | 7.50 | 7.30 | 6.90 | |
| TSM | 8.40 | 7.82 | | | | | | |
| PH(FD) | 8.20 | | | | | | | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 26.750 | 0.684 | 30.960 | 0.792 | 57.000 | 1.458 | 82.650 | 2.114 |
| NA | 738.900 | 32.142 | 787.400 | 34.252 | 745.600 | 32.434 | 706.700 | 30.741 |
| NH4 | | | | | | | | |
| CA | 111.500 | 5.564 | 96.480 | 4.815 | 139.600 | 6.966 | 120.500 | 6.013 |
| MG | 7.240 | 0.596 | 5.720 | 0.471 | 15.460 | 1.272 | 5.696 | 0.469 |
| FE | 0.080 | 0.003 | 0.175 | 0.006 | 0.176 | 0.006 | 0.285 | 0.010 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.021 | 0.002 | 0.031 | 0.003 | | | | |
| CL | 889.800 | 25.101 | 821.500 | 23.175 | 988.600 | 25.067 | 864.500 | 24.388 |
| BR | 6.268 | 0.078 | 5.930 | 0.074 | | | 0.686 | 0.009 |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | 0.043 | 0.003 | 0.027 | 0.002 | 0.027 | 0.002 | 0.003 | 0.000 |
| S04 | 518.700 | 10.799 | 639.800 | 13.321 | 601.400 | 12.521 | 530.100 | 11.037 |
| S203 | | | | | | | | |
| HC03 | 143.800 | 2.357 | 220.900 | 3.621 | 267.500 | 4.384 | 284.600 | 4.665 |
| C03 | 16.470 | 0.549 | 2.364 | 0.079 | 2.505 | 0.083 | | |
| SI02 (MG/KG)(MMOL/KG) | 117.645 | 1.959 | 121.916 | 2.030 | 127.128 | 2.117 | 117.296 | 1.953 |
| HB02 | | | | | | | 0.009 | 0.000 |
| H3P04 | | | | | 0.063 | 0.001 | 11.199 | 0.114 |
| HAS02 | | | | | 0.290 | 0.003 | | |
| C02 | 1.382 | 0.031 | 3.345 | 0.076 | 4.049 | 0.052 | 34.220 | 0.777 |
| H2S | | | | | | | | |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 46.973 | 43.250 | | | 22.244 | | 14.541 | |
| CA/(HC03+C03) | 1.915 | 1.302 | | | 1.559 | | 1.289 | |
| MG/CA | 0.107 | 0.098 | | | 0.183 | | 0.078 | |
| NA/CA | 5.777 | 7.114 | | | 4.656 | | 5.113 | |
| CL/(HC03+C03) | 8.638 | 6.264 | | | 5.611 | | 5.228 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 64.683 | 57.656 | | | 59.604 | | 60.834 | |
| S04*100/(CL+S04+HC03+C03) | 27.829 | 33.140 | | | 29.772 | | 27.531 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.488 | 9.204 | | | 10.623 | | 11.636 | |
| (NA+K)*100/(NA+K+CA+MG) | 84.200 | 86.894 | | | 80.446 | | 83.523 | |
| CA*100/(NA+K+CA+MG) | 14.271 | 11.939 | | | 16.535 | | 15.286 | |
| MG*100/(NA+K+CA+MG) | 1.528 | 1.167 | | | 3.020 | | 1.192 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 92.512 | 90.796 | | | 89.377 | | 88.364 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 7.488 | 9.204 | | | 10.623 | | 11.636 | |
| (NA+K)*100/(NA+K+CA+MG) | 84.200 | 86.894 | | | 80.446 | | 83.523 | |
| (CA+MG)*100/(NA+K+CA+MG) | 15.800 | 13.106 | | | 19.554 | | 16.477 | |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| | INC201 | | INC202 | | INC203 | | INC204 | |
|------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| NO | 91.0 | 58.0 | 97.0 | 97.0 | 97.0 | 93.0 | 93.0 | 93.0 |
| TEMP | 2667.000 | 9711.000 | 2700.000 | 2700.000 | 2700.000 | 2740.000 | 2740.000 | 2740.000 |
| TSM | 8.40 | 8.10 | 8.20 | 8.20 | 8.20 | 8.40 | 8.40 | 8.40 |
| PH(FD) | 7.66 | 7.90 | 7.70 | 7.70 | 7.70 | 8.10 | 8.10 | 8.10 |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 35.210 | 0.901 | 115.400 | 2.952 | 19.790 | 0.506 | 10.860 | 0.278 |
| NA | 799.200 | 31.720 | 3252.000 | 141.462 | 790.100 | 34.503 | 778.000 | 33.843 |
| NH4 | | | | | | | | |
| CA | 111.910 | 7.041 | 209.800 | 19.469 | 134.300 | 6.702 | 92.610 | 4.621 |
| MG | 7.650 | 0.630 | 33.470 | 2.754 | 0.949 | 0.078 | 8.551 | 0.704 |
| FE | 0.450 | 0.416 | 0.924 | 0.033 | 0.407 | 0.015 | 0.172 | 0.006 |
| MN | | | 0.275 | 0.010 | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PH | | | | | | | | |
| AL | 0.238 | 0.026 | 0.093 | 0.010 | 0.525 | 0.058 | 0.463 | 0.051 |
| CL | 823.200 | 0.522 | 4704.000 | 132.700 | 916.200 | 25.846 | 812.000 | 22.907 |
| BR | | | 0.144 | 0.002 | | | 0.637 | 0.008 |
| I | | | 0.039 | 0.000 | | | | |
| F | | | | | | | | |
| OH | 0.043 | 0.003 | | | 0.027 | 0.002 | 0.043 | 0.003 |
| S04 | 637.800 | 13.071 | 1060.000 | 22.152 | 659.500 | 13.585 | 665.400 | 13.854 |
| S203 | | | | | | | | |
| HC03 | 202.100 | 3.468 | 165.300 | 2.709 | 145.300 | 2.381 | 156.600 | 2.567 |
| CO3 | 0.124 | 0.006 | 2.710 | 0.090 | 1.332 | 0.044 | 2.298 | 0.077 |
| SI02 (MG/KG) (MMOL/KG) | 122.072 | 2.039 | 123.411 | 2.055 | 79.375 | 1.322 | 121.327 | 2.020 |
| H2O2 | | | | | | | | |
| H3PO4 | 0.055 | 0.001 | 0.099 | 0.001 | | | 0.400 | 0.004 |
| HAS02 | 0.374 | 0.003 | 6.157 | 0.057 | 0.436 | 0.004 | 0.400 | 0.004 |
| CO2 | 2.338 | 0.053 | 0.717 | 0.016 | 2.152 | 0.049 | 1.563 | 0.036 |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | | | | | | | | |
| NA/K | 55.212 | 47.922 | 64.237 | 64.237 | 64.237 | 121.826 | 121.826 | 121.826 |
| CA/(HC03+CO3) | 1.792 | 3.739 | 2.763 | 2.763 | 2.763 | 1.748 | 1.748 | 1.748 |
| MG/CA | 0.088 | 0.263 | 0.012 | 0.012 | 0.012 | 0.152 | 0.152 | 0.152 |
| NA/CA | 4.880 | 13.512 | 5.155 | 5.155 | 5.155 | 7.323 | 7.323 | 7.323 |
| CL/(HC03+CO3) | 5.843 | 47.400 | 10.654 | 10.654 | 10.654 | 8.666 | 8.666 | 8.666 |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+H(CO3+CO3)) | 57.671 | 84.173 | 61.748 | 61.748 | 61.748 | 58.133 | 58.133 | 58.133 |
| S04*100/(CL+S04+H(CO3+CO3)) | 32.460 | 14.052 | 32.456 | 32.456 | 32.456 | 35.158 | 35.158 | 35.158 |
| (HC03+CO3)*100/(CL+S04+H(CO3+CO3)) | 9.869 | 1.776 | 5.796 | 5.796 | 5.796 | 6.708 | 6.708 | 6.708 |
| (NA+K)*100/(NA+K+CA+MG) | 20.851 | 91.612 | 83.792 | 83.792 | 83.792 | 86.501 | 86.501 | 86.501 |
| CA*100/(NA+K+CA+MG) | 17.556 | 6.641 | 16.021 | 16.021 | 16.021 | 11.715 | 11.715 | 11.715 |
| MG*100/(NA+K+CA+MG) | 1.563 | 1.747 | 0.187 | 0.187 | 0.187 | 1.784 | 1.784 | 1.784 |
| (CL+S04)*100/(CL+S04+H(CO3+CO3)) | 90.131 | 98.224 | 94.204 | 94.204 | 94.204 | 93.292 | 93.292 | 93.292 |
| (HC03+CO3)*100/(CL+S04+H(CO3+CO3)) | 9.869 | 1.776 | 5.796 | 5.796 | 5.796 | 6.708 | 6.708 | 6.708 |
| (NA+K)*100/(NA+K+CA+MG) | 20.851 | 91.612 | 83.792 | 83.792 | 83.792 | 86.501 | 86.501 | 86.501 |
| (CA+MG)*100/(NA+K+CA+MG) | 19.119 | 8.388 | 13.208 | 13.208 | 13.208 | 13.459 | 13.459 | 13.459 |

第22-2表 伊豆北部地域水質一覽表(つづき)

| | INC205 | INC206 | INC207 | INC208 |
|----------------------------------|-----------|-----------|-----------|-----------|
| NO | 95.0 | 98.0 | 91.0 | 89.5 |
| TEMP | 28.61,090 | 26.60,000 | 28.05,000 | 27.57,000 |
| PH(CFD) | 8.10 | 7.40 | 8.20 | 7.80 |
| PH(LR) | 7.61 | 7.53 | 8.31 | 8.40 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 61.270 | 89.330 | 30.040 | 18.890 |
| NA | 777.800 | 675.200 | 724.200 | 703.900 |
| NH4 | - | - | - | - |
| CA | 125.090 | 131.700 | 154.100 | 154.400 |
| MG | 13.740 | 11.330 | 0.462 | 0.721 |
| FE | 1.463 | 0.302 | 0.236 | 8.404 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | - | 0.722 |
| CL | 846.700 | 855.600 | 785.900 | 861.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.022 | 0.007 | 0.027 | 0.002 |
| S04 | 615.800 | 531.200 | 659.600 | 13.733 |
| S203 | - | - | - | - |
| HC03 | 267.606 | 241.000 | 262.500 | 549.700 |
| C03 | 1.974 | 0.345 | 2.460 | 209.800 |
| S102 (MG/KG)(MHOL/KG) | 122.677 | 119.682 | 91.441 | 203.634 |
| HR02 | 0.397 | 0.007 | 1.046 | 0.468 |
| H3P04 | 0.054 | 0.001 | - | 1.390 |
| HAS02 | 0.366 | 0.003 | 0.258 | 0.077 |
| C02 | 5.158 | 23.290 | 3.974 | 6.399 |
| H2S | - | - | - | 1.017 |
| RN (*+10 CURIE/L) | - | - | - | - |
| NA/K | 13.379 | 12.854 | 40.997 | 63.368 |
| CA/(HC03+C03) | 1.401 | 1.659 | 1.754 | 2.241 |
| MG/CA | 0.142 | 0.142 | 0.005 | 0.008 |
| NA/CA | 5.041 | 4.469 | 4.097 | 3.974 |
| CL/(HC03+C03) | 5.365 | 6.093 | 5.057 | 7.064 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 57.033 | 61.639 | 55.030 | 62.005 |
| S04*100/(CL+S04+HC03+C03) | 11.150 | 28.244 | 34.087 | 29.217 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 30.316 | 10.117 | 10.883 | 8.778 |
| (NA+K)*100/(NA+K+CA+MG) | 92.092 | 80.837 | 80.680 | 80.024 |
| CA*100/(NA+K+CA+MG) | 15.153 | 16.782 | 19.225 | 19.823 |
| MG*100/(NA+K+CA+MG) | 2.755 | 2.381 | 0.095 | 0.153 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 49.154 | 89.883 | 89.117 | 91.222 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.816 | 10.117 | 10.883 | 8.778 |
| (NA+K)*100/(NA+K+CA+MG) | 92.092 | 80.837 | 80.680 | 80.024 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.998 | 19.163 | 19.320 | 19.976 |

第22-2表 伊豆北部地域水質一覽表 (つづき)

| | INC209 | INC210 | INC211 | INC212 |
|----------------------------------|-----------|-----------|-----------|-----------|
| NO | 101.0 | 99.0 | 100.0 | 100.0 |
| TEMP | 25.01.000 | 26.67.000 | 27.65.000 | 28.11.000 |
| TSM | 7.80 | 8.10 | 8.30 | 8.20 |
| PH(FD) | 7.80 | 8.00 | 8.16 | 7.96 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 10.113 | 15.120 | 43.250 | 35.130 |
| NA | 626.474 | 707.300 | 767.400 | 781.500 |
| NH4 | | | | |
| CA | 194.276 | 46.760 | 81.600 | 109.400 |
| MG | 3.522 | 9.392 | 17.680 | 7.001 |
| FE | 0.060 | 0.320 | 0.220 | 0.208 |
| MN | 0.050 | 0.150 | 0.010 | TR. |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | 0.600 | 0.027 | |
| CL | 1077.611 | 809.100 | 831.900 | 874.200 |
| BR | | | 5.761 | |
| I | | | | |
| F | | | | |
| OH | | | 0.034 | 0.027 |
| S04 | 13.494 | 635.500 | 654.100 | 689.500 |
| S203 | | | | |
| HCO3 | 32.256 | 194.900 | 167.500 | 189.800 |
| CO3 | | | 0.993 | 1.776 |
| ST02 (MG/KG)(MMOL/KG) | 151.429 | 147.623 | 128.336 | 61.816 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | | 0.329 | | 0.047 |
| CO2 | | | | 2.871 |
| H2S | | | 2.016 | 0.065 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 10.641 | 79.550 | 30.152 | 37.830 |
| CA/(HCO3+CO3) | 18.337 | 0.730 | 1.466 | 1.724 |
| MG/CA | 0.030 | 0.331 | 0.357 | 0.106 |
| NA/CA | 2.811 | 13.186 | 8.198 | 6.227 |
| CL/(HCO3+CO3) | 57.531 | 7.145 | 8.446 | 7.788 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 19.908 | 58.152 | 58.869 | 58.462 |
| S04*100/(CL+S04+HCO3+CO3) | 3.228 | 33.710 | 34.161 | 34.031 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.564 | 8.139 | 6.970 | 7.507 |
| (NA+K)*100/(NA+K+CA+MG) | 74.903 | 90.934 | 86.189 | 85.255 |
| CA*100/(NA+K+CA+MG) | 24.357 | 6.811 | 10.176 | 13.338 |
| MG*100/(NA+K+CA+MG) | 0.741 | 2.256 | 3.636 | 1.408 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 94.436 | 91.861 | 93.030 | 92.493 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.564 | 8.139 | 6.970 | 7.507 |
| (NA+K)*100/(NA+K+CA+MG) | 74.903 | 90.934 | 86.189 | 85.255 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.097 | 9.066 | 13.811 | 14.745 |

第22-2表 伊豆北部地域水質一覧表 (つづき)

| NO | INC217 | | INC218 | | INC219 | | INC220 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| | 50.7 | 81.5 | 81.5 | 91.0 | 91.0 | 100.0 | 100.0 | |
| TEMP | 1711.000 | 2595.000 | 2595.000 | 3377.000 | 3377.000 | 3219.000 | 3219.000 | |
| TSM | 8.20 | 8.20 | 8.20 | 8.10 | 8.10 | 6.90 | 6.90 | |
| PH(FD) | 8.14 | - | - | 8.19 | 8.19 | 7.10 | 7.10 | |
| PH(CLR) | - | - | - | - | - | - | - | |
| H (MG/KG)(MVAL/%G) | - | - | - | - | - | - | - | |
| K | 8.723 | 0.223 | 19.190 | 22.310 | 22.310 | 49.160 | 1.258 | |
| NA | 257.100 | 11.184 | 534.000 | 796.800 | 796.800 | 630.500 | 27.427 | |
| NH4 | 0.001 | 0.004 | - | 0.077 | 0.077 | - | - | |
| CA | 204.300 | 10.195 | 205.800 | 120.800 | 120.800 | 203.900 | 10.175 | |
| MG | 4.569 | 0.384 | 5.574 | 8.293 | 8.293 | 0.830 | 0.068 | |
| FE | 0.060 | 0.002 | 0.015 | 0.200 | 0.200 | 1.938 | 0.069 | |
| MN | TR. | - | TR. | TR. | TR. | - | - | |
| ZN | - | - | - | - | - | - | - | |
| CU | - | - | - | - | - | - | - | |
| PB | - | - | - | - | - | - | - | |
| AL | - | - | - | - | - | 0.589 | 0.065 | |
| CL | 167.400 | 4.722 | 811.300 | 892.300 | 892.300 | 861.000 | 24.289 | |
| BR | - | - | - | - | - | - | - | |
| I | - | - | - | - | - | - | - | |
| F | - | - | - | - | - | - | - | |
| OH | 0.027 | 0.002 | 0.027 | 0.002 | 0.002 | - | - | |
| S04 | 303.700 | 17.566 | 639.000 | 13.504 | 13.504 | - | - | |
| S203 | - | - | - | - | - | 632.300 | 13.164 | |
| HC03 | 82.010 | 1.344 | 69.320 | 1.136 | 170.700 | 320.100 | 5.246 | |
| CO3 | 1.127 | 0.038 | 0.648 | 0.022 | 1.257 | - | - | |
| SI02 (MG/KG) (MMOL/KG) | 41.634 | 0.693 | 69.285 | 1.154 | 116.627 | 204.480 | 3.405 | |
| HB02 | 4.619 | 0.195 | 4.619 | 0.105 | 7.253 | 2.810 | 0.064 | |
| H3PO4 | - | - | - | - | - | 4.723 | 0.048 | |
| HAS02 | 0.160 | 0.001 | 0.280 | 0.003 | 0.216 | 0.092 | 0.001 | |
| CO2 | 1.241 | 0.028 | 1.052 | 0.024 | 3.243 | 23.880 | 0.533 | |
| H2S | - | - | - | - | - | 0.223 | 0.007 | |
| RN (*F=10 CURTE/L) | - | - | - | - | - | - | - | |
| NA/K | 50.122 | 47.321 | 47.321 | 60.735 | 60.735 | 21.810 | - | |
| CA/(HC03+CO3) | 7.378 | 8.870 | 8.870 | 2.123 | 2.123 | 1.939 | - | |
| MG/CA | 0.038 | 0.045 | 0.045 | 0.113 | 0.113 | 0.007 | - | |
| NA/CA | 1.097 | 3.262 | 3.262 | 5.790 | 5.790 | 2.696 | - | |
| CL/(HC03+CO3) | 3.413 | 19.768 | 19.768 | 8.864 | 8.864 | 4.630 | - | |
| CL/F | - | - | - | - | - | - | - | |
| CL*100/(CL+S04+HC03+CO3) | 19.951 | 61.279 | 61.279 | 58.503 | 58.503 | 56.883 | - | |
| S04*100/(CL+S04+HC03+CO3) | 74.212 | 35.621 | 35.621 | 34.898 | 34.898 | 30.830 | - | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.837 | 3.100 | 3.100 | 6.600 | 6.600 | 12.287 | - | |
| (NA+K)*100/(NA+K+CA+MG) | 51.883 | 68.857 | 68.857 | 84.000 | 84.000 | 73.687 | - | |
| CA*100/(NA+K+CA+MG) | 46.369 | 29.811 | 29.811 | 14.372 | 14.372 | 26.138 | - | |
| MG*100/(NA+K+CA+MG) | 1.748 | 1.532 | 1.532 | 1.628 | 1.628 | 0.175 | - | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 94.163 | 96.900 | 96.900 | 93.400 | 93.400 | 87.713 | - | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.837 | 3.100 | 3.100 | 6.600 | 6.600 | 12.287 | - | |
| (NA+K)*100/(NA+K+CA+MG) | 51.883 | 68.857 | 68.857 | 84.000 | 84.000 | 73.687 | - | |
| (CA+MG)*100/(NA+K+CA+MG) | 48.117 | 31.143 | 31.143 | 16.000 | 16.000 | 26.313 | - | |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC225 | INC226 | INC227 | INC228 |
|----------------------------------|----------|----------|----------|----------|
| NO | 67.0 | 80.5 | 84.0 | 43.5 |
| TEMP | 3700.000 | 3879.000 | 3595.000 | 1764.000 |
| TSM | 7.60 | 7.60 | 8.10 | 7.80 |
| PH(CFD) | 7.60 | 7.40 | 7.79 | 7.60 |
| PH(LR) | | | | |
| H (MG/KG)(MVAL/KG) | 157.861 | 4.038 | 0.228 | 0.428 |
| K | 907.912 | 40.364 | 48.764 | 375.800 |
| NA | | 8.898 | 3.538 | 0.091 |
| NH4 | | 1121.000 | 1007.000 | 43.805 |
| CA | 277.181 | 238.100 | 234.500 | 134.500 |
| MG | 8.300 | 0.683 | 0.226 | 13.230 |
| FF | 0.040 | 0.031 | 0.190 | 1.089 |
| MN | 0.101 | 0.004 | 0.007 | 0.146 |
| ZN | | | 0.012 | TR. |
| CU | | | | |
| PB | | | | |
| AL | | 1.200 | 0.133 | |
| CL | 1554.055 | 43.840 | 46.518 | 194.800 |
| BR | | | 1440.000 | 40.622 |
| I | | 0.106 | 8.189 | 0.103 |
| F | | | | |
| OH | | | 0.022 | 0.011 |
| S04 | 565.379 | 13.853 | 742.600 | 872.800 |
| S203 | | | | |
| HC03 | 76.616 | 1.256 | 57.950 | 47.180 |
| C03 | | | 0.216 | 0.007 |
| SI02 (MG/KG)(MMOL/KG) | 65.591 | 1.092 | 63.658 | 132.181 |
| HB02 | | | | |
| H3P04 | 0.055 | 0.001 | | 0.001 |
| HAS02 | | | | |
| C02 | | | | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 9.996 | 214.241 | 484.017 | 38.222 |
| CA/(HC03+C03) | 11.015 | 8.436 | 12.227 | 8.647 |
| MG/CA | 0.009 | 0.020 | 0.139 | 0.162 |
| NA/CA | 2.918 | 4.284 | 3.743 | 2.436 |
| CL/(HC03+C03) | 30.912 | 34.478 | 42.448 | 7.080 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 74.369 | 76.619 | 71.217 | 22.482 |
| S04*100/(CL+S04+HC03+C03) | 33.500 | 21.158 | 27.105 | 74.343 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.130 | 2.222 | 1.678 | 3.175 |
| (NA+K)*100/(NA+K+CA+MG) | 75.365 | 80.844 | 76.709 | 68.260 |
| CA*100/(NA+K+CA+MG) | 23.476 | 18.783 | 20.449 | 27.310 |
| MG*100/(NA+K+CA+MG) | 1.159 | 0.373 | 2.842 | 4.430 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.870 | 97.778 | 98.322 | 96.825 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.130 | 2.222 | 1.678 | 3.175 |
| (NA+K)*100/(NA+K+CA+MG) | 75.365 | 80.844 | 76.709 | 68.260 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.635 | 19.156 | 23.291 | 31.740 |

第 22-2 表 ..伊豆北部地域水質一覧表 (つづき)

| | INC229 | INC230 | INC231 | INC232 |
|----------------------------------|----------|----------|----------|----------|
| NO | | | | |
| TEMP | 74.0 | 46.5 | 86.0 | 83.5 |
| TSM | 5346.000 | 1053.000 | 3833.000 | 4092.000 |
| PH(FD) | 7.50 | 8.50 | 8.30 | 8.20 |
| PH(LB) | 7.20 | 8.25 | 8.00 | 7.87 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.7600 | 13.300 | 5.377 | 45.350 |
| NA | 917.100 | 233.100 | 931.200 | 1165.000 |
| NH4 | | | 2.509 | 1.357 |
| CA | 240.500 | 79.530 | 217.100 | 198.500 |
| MG | 0.128 | 11.390 | 0.937 | 9.905 |
| FE | 0.023 | 0.137 | 0.005 | 36.870 |
| MN | | | TR. | TR. |
| ZN | | | | |
| CU | 0.029 | | | |
| PB | | | | |
| AL | 0.957 | | | |
| CL | 1334.000 | 30.430 | 1660.000 | 1865.000 |
| BR | | | | 46.829 |
| I | | | | |
| F | | | | |
| OH | 0.045 | 0.054 | 0.034 | 0.207 |
| S04 | 617.000 | 585.700 | 505.400 | 352.600 |
| S203 | 19.460 | | | |
| HCO3 | 44.870 | 117.000 | 61.020 | 57.830 |
| CO3 | 0.159 | 2.154 | 0.786 | 1.542 |
| SI02 (MG/KG)(MMOL/KG) | 49.117 | 79.717 | 33.988 | 52.378 |
| HR02 | | 1.048 | | |
| H3P04 | | | | |
| HAS02 | 0.024 | 0.066 | 0.448 | 0.444 |
| CO2 | 9.053 | 0.898 | 0.800 | 0.876 |
| H2S | 0.043 | | | |
| RN (*F-10 CURT/L) | | | | |
| NA/K | 56.505 | 29.626 | 294.504 | 43.686 |
| CA/(HCO3+CO3) | 8.505 | 1.970 | 10.556 | 9.913 |
| MG/CA | | 0.339 | 0.354 | 0.306 |
| NA/CA | 3.324 | 2.888 | 3.739 | 5.116 |
| CL/(HCO3+CO3) | 37.032 | 0.431 | 45.628 | 52.652 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | | | | |
| S04*100/(CL+S04+HCO3+CO3) | 72.027 | 5.707 | 80.217 | 86.317 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 25.308 | 81.067 | 18.025 | 12.044 |
| (NA+K)*100/(NA+K+CA+MG) | 3.665 | 13.226 | 1.758 | 1.639 |
| CA*100/(NA+K+CA+MG) | | 68.341 | 73.487 | 80.025 |
| MG*100/(NA+K+CA+MG) | | 25.549 | 19.587 | 15.291 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | | 6.111 | 6.926 | 4.684 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 97.335 | 86.774 | 98.242 | 98.361 |
| (NA+K)*100/(NA+K+CA+MG) | 3.665 | 13.226 | 1.758 | 1.639 |
| (CA+MG)*100/(NA+K+CA+MG) | | 68.341 | 73.487 | 80.025 |
| (CA+MG)*100/(NA+K+CA+MG) | | 31.659 | 26.513 | 19.975 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| | INC233 | INC234 | INC235 | INC236 |
|----------------------------------|----------|---------|----------|----------|
| NO | 90.0 | 27.6 | 83.2 | 93.0 |
| TEMP | 2653.000 | 210.600 | 2963.000 | 2742.700 |
| TSM | 8.20 | 8.20 | 8.60 | 8.40 |
| PH(FD) | 8.34 | 8.35 | 8.56 | 8.27 |
| PH(LR) | | | | |
| H (MG/KG) (MVAL/°C) | | | | |
| K | 57.570 | 0.980 | 42.040 | 37.010 |
| NA | 706.400 | 56.080 | 796.700 | 760.300 |
| NH4 | 1.299 | 0.072 | 3.659 | 0.203 |
| CA | 25.780 | 3.000 | 23.780 | 1.187 |
| MG | 91.030 | 3.950 | 73.270 | 6.233 |
| FE | | | | 0.369 |
| MN | TP. | | TR. | 0.010 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | | | | |
| CL | 1026.000 | 5.680 | 990.300 | 829.600 |
| BR | | | | 23.403 |
| I | | | | |
| F | | | | |
| OH | 0.027 | 0.002 | 0.102 | 0.043 |
| SO4 | 591.100 | 31.220 | 444.500 | 631.500 |
| S2O3 | | | | 0.003 |
| HCO3 | 123.000 | 119.400 | 347.600 | 208.700 |
| CO3 | 1.152 | 1.118 | 8.205 | 3.421 |
| SI02 (MG/KG) (MMOL/KG) | | | | 0.103 |
| HR02 | 11.668 | 0.194 | 5.001 | 129.253 |
| H3PO4 | | | | 2.152 |
| HAS02 | 1.731 | 0.016 | 2.458 | 0.972 |
| CO2 | 1.864 | 0.042 | 2.089 | 2.007 |
| H2S | | | | 0.009 |
| RN (*F-10 CURIE/L) | | | | 0.046 |
| NA/K | 31.974 | 100.783 | 32.227 | 34.935 |
| CA/(HCO3+CO3) | 0.626 | 0.075 | 0.199 | 1.769 |
| MG/CA | 5.823 | 2.171 | 5.081 | 0.059 |
| NA/CA | 23.887 | 16.877 | 29.206 | 5.307 |
| CL/(HCO3+CO3) | 14.089 | 0.080 | 4.679 | 6.642 |
| CL/F | | | | |
| CL*100/(CL+SO4+HCO3+CO3) | 66.837 | 5.713 | 64.725 | 58.399 |
| SO4*100/(CL+SO4+HCO3+CO3) | 28.419 | 23.177 | 21.442 | 32.809 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 4.744 | 71.109 | 13.833 | 8.792 |
| (NA+K)*100/(NA+K+CA+MG) | 72.310 | 84.313 | 83.198 | 83.748 |
| CA*100/(NA+K+CA+MG) | 3.179 | 4.947 | 2.763 | 15.343 |
| MG*100/(NA+K+CA+MG) | 14.511 | 10.741 | 14.039 | 0.910 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 95.256 | 28.891 | 86.167 | 91.208 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 4.744 | 71.109 | 13.833 | 8.792 |
| (NA+K)*100/(NA+K+CA+MG) | 72.310 | 84.313 | 83.198 | 83.748 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.690 | 15.687 | 16.802 | 16.252 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| | INC237 | INC238 | INC239 | INC240 |
|----------------------------------|----------|----------|----------|----------|
| NO | 97.4 | 100.0 | 61.0 | 54.0 |
| TEMP | 2843.200 | 2846.000 | 2344.000 | 1973.900 |
| TSM | 8.40 | 8.40 | 8.20 | 8.30 |
| PH(FD) | 7.99 | 8.59 | 7.72 | 7.32 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 20.030 | 35.010 | 8.220 | 25.310 |
| NA | 856.200 | 856.200 | 726.300 | 531.300 |
| NH4 | | | | |
| CA | 61.340 | 76.470 | 113.200 | 78.340 |
| MG | 26.940 | 12.170 | 2.730 | 4.366 |
| FE | 0.237 | 0.235 | 0.187 | 0.336 |
| TR. | | | | TR. |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 957.300 | 977.300 | 809.400 | 531.200 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.043 | 0.043 | 0.027 | 0.004 |
| SO4 | 607.100 | 599.410 | 556.700 | 262.100 |
| S2O3 | | | | |
| HCO3 | 125.800 | 110.840 | 92.990 | 391.700 |
| CO3 | 18.540 | 1.086 | 1.371 | 4.620 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 1.04.959 | 94.794 | 47.252 | 60.891 |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 0.949 | 0.976 | 0.869 | 0.457 |
| H2S | 1.210 | 1.130 | 1.069 | 6.047 |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 72.691 | 41.297 | 150.256 | 35.697 |
| CA/(HCO3+CO3) | 1.142 | 1.988 | 3.598 | 0.595 |
| MG/CA | 0.724 | 0.262 | 0.040 | 0.092 |
| NA/CA | 12.158 | 9.692 | 5.593 | 5.912 |
| CL/(HCO3+CO3) | 10.077 | 14.366 | 14.545 | 2.279 |
| CL/F | | | | |
| CL*100/(CL+SO4+HCO3+CO3) | 63.805 | 65.691 | 63.510 | 55.468 |
| SO4*100/(CL+SO4+HCO3+CO3) | 25.364 | 29.736 | 32.123 | 20.199 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 6.331 | 4.573 | 4.366 | 24.334 |
| (NA+K)*100/(NA+K+CA+MG) | 97.736 | 88.717 | 84.412 | 84.770 |
| CA*100/(NA+K+CA+MG) | 7.113 | 8.937 | 14.992 | 13.948 |
| MG*100/(NA+K+CA+MG) | 5.151 | 2.346 | 0.596 | 1.282 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 93.669 | 95.427 | 95.634 | 75.666 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 6.331 | 4.573 | 4.366 | 24.334 |
| (NA+K)*100/(NA+K+CA+MG) | 97.736 | 88.717 | 84.412 | 84.770 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.264 | 11.283 | 15.588 | 15.230 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC241 | INC242 | INC243 | INC244 |
|---|----------|----------|----------|----------|
| NO | 51.5 | 84.4 | 81.5 | 93.2 |
| TEMP | 2965.000 | 3720.100 | 4959.000 | 2796.700 |
| TSM | 8.20 | 8.40 | 8.00 | 8.20 |
| PH(FD) | 8.20 | 8.00 | 7.50 | 8.20 |
| PH(LR) | | | | |
| H (MG/KG)(M ³ AL/KG) | | | | |
| K | 46.010 | 49.010 | 54.970 | 4.105 |
| NA | 17.400 | 1.228 | 1099.300 | 610.700 |
| NH4 | 0.200 | 36.331 | 47.820 | 26.565 |
| CA | 362.500 | 0.011 | 0.500 | |
| MG | 18.320 | 228.700 | 349.700 | 176.200 |
| FE | 0.220 | 11.412 | 17.450 | 8.792 |
| MN | | 0.849 | 14.130 | 32.080 |
| MN | | 0.008 | 0.150 | 0.039 |
| ZN | | 0.015 | 0.005 | 0.005 |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 1142.400 | 1710.500 | 2348.800 | 854.600 |
| BR | | 48.253 | 66.260 | 24.108 |
| I | | | | |
| F | 0.027 | | 0.017 | 0.027 |
| SO4 | 236.000 | 0.043 | 292.600 | 651.900 |
| S2O3 | | 0.002 | | 0.002 |
| HCO3 | 68.980 | 4.947 | 72.090 | 13.373 |
| CO3 | 0.648 | 1.113 | 0.014 | 4.989 |
| SI02 (MG/KG)(MMOL/KG) | 22.756 | 0.023 | 0.014 | 0.095 |
| HBO2 | | 0.299 | 19.983 | 2.052 |
| HPO4 | | | | |
| HAS02 | | | | |
| CO2 | 1.043 | 0.009 | 0.013 | 0.518 |
| H2S | | 0.651 | 1.734 | 4.612 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 14.787 | 29.583 | 34.008 | 252.990 |
| CA/(HCO3+C03) | 16.566 | 10.046 | 14.593 | 1.729 |
| MG/CA | 0.044 | | 0.067 | 0.300 |
| NA/CA | 4.912 | 3.184 | 2.740 | 3.021 |
| CL/(HCO3+C03) | 27.971 | 42.478 | 55.412 | 4.742 |
| CL/F | | | | |
| CL*10 ³ /(CL+CO4+HCO3+C03) | 84.160 | 88.805 | 90.091 | 56.374 |
| SO4*10 ³ /(CL+SO4+HCO3+C03) | 12.831 | 9.104 | 8.283 | 31.738 |
| (HCO3+C03)*10 ³ /(CL+SO4+HCO3+C03) | 3.009 | 2.091 | 1.626 | 11.888 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 46.235 | | 72.563 | 69.996 |
| CA*10 ³ /(NA+K+CA+MG) | 49.560 | | 25.723 | 23.075 |
| MG*10 ³ /(NA+K+CA+MG) | 2.205 | | 1.714 | 6.928 |
| (CL+SO4)*10 ³ /(CL+SO4+HCO3+C03) | 96.991 | 97.909 | 98.374 | 88.112 |
| (HCO3+C03)*10 ³ /(CL+SO4+HCO3+C03) | 3.009 | 2.091 | 1.626 | 11.888 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 46.235 | | 72.563 | 69.996 |
| (CA+MG)*10 ³ /(NA+K+CA+MG) | 51.765 | | 27.437 | 30.004 |

第22-2表 伊豆北部地域水質一覧表(つづき)

| | INC245 | INC246 | INC247 | INC248 |
|----------------------------------|---------|----------|----------|----------|
| NO | 54.0 | 56.0 | 52.5 | 98.0 |
| TEMP | 20.53 | 4607.000 | 2763.200 | 3676.000 |
| PH(FD) | 8.20 | 7.30 | 8.10 | 8.00 |
| PH(LB) | 8.40 | 7.30 | 7.70 | 7.50 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 1.113 | 0.023 | 30.970 | 0.434 |
| NA | 401.100 | 17.443 | 699.360 | 902.200 |
| NH4 | | | | |
| CA | 176.500 | 8.407 | 219.800 | 293.900 |
| MG | 10.720 | 0.832 | 18.630 | 21.310 |
| FE | 0.822 | 0.029 | 0.010 | 1.794 |
| MN | 0.100 | 0.004 | 0.009 | 0.329 |
| ZN | | | 0.300 | 0.012 |
| CU | | | | |
| PP | | | | |
| AL | | | | |
| CL | 463.700 | 13.021 | 1184.260 | 1477.000 |
| BR | | | | |
| I | | | | |
| F | 0.021 | 0.001 | 0.022 | 0.017 |
| S04 | 591.900 | 12.315 | 305.100 | 508.600 |
| S2O3 | | | | |
| HCO3 | 60.810 | 1.085 | 255.700 | 202.300 |
| CO3 | 0.846 | 0.029 | 1.860 | 1.198 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| H9O2 | 43.926 | 0.315 | 63.486 | 64.125 |
| H3PO4 | | | | |
| HAS02 | 0.496 | 0.005 | 0.073 | |
| CO2 | 1.373 | 0.031 | 4.916 | 6.749 |
| H2S | | | | |
| RN (*F=10 CURIE/L) | | | | |
| NA/K | 618.395 | 5.570 | 38.398 | 90.515 |
| CA/(HCO3+CO3) | 5.820 | 3.954 | 2.579 | 4.370 |
| MG/CA | 0.100 | 0.139 | 0.140 | 0.120 |
| NA/CA | 1.941 | 2.022 | 2.773 | 2.676 |
| CL/(HCO3+CO3) | 8.644 | 11.169 | 7.855 | 12.417 |
| CL/F | | | | |
| CL*100/(CL+CO3+HCO3+CO3) | 18.611 | 81.276 | 75.904 | 74.925 |
| S04*100/(CL+S04+HCO3+CO3) | 45.765 | 11.447 | 14.433 | 19.041 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.624 | 7.277 | 9.663 | 6.034 |
| (NA+K)*100/(NA+K+CA+MG) | 64.332 | 67.678 | 71.395 | 70.731 |
| CA*100/(NA+K+CA+MG) | 52.621 | 28.375 | 25.089 | 26.143 |
| MG*100/(NA+K+CA+MG) | 3.247 | 3.946 | 3.516 | 3.126 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.376 | 92.723 | 90.337 | 93.966 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.674 | 7.277 | 9.663 | 6.034 |
| (NA+K)*100/(NA+K+CA+MG) | 64.332 | 67.678 | 71.395 | 70.731 |
| (CA+MG)*100/(NA+K+CA+MG) | 35.668 | 32.322 | 28.605 | 29.269 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| NO | INC249 | | INC251 | | INC251 | | INC252 | |
|----------------------------------|----------|----------|---------|----------|----------|--------|---------|--------|
| | 34.0 | 93.0 | 56.0 | 53.3 | 1480.700 | 8.30 | 8.20 | |
| TEMP | 302.000 | 4204.000 | 8.10 | 8.00 | 7.90 | 7.90 | 15.510 | 0.397 |
| PH(FD) | 7.80 | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 302.200 | 13.146 |
| PH(LR) | 7.70 | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 121.400 | 6.058 |
| H (MG/KG)(MVAL/KG) | 22.750 | 0.582 | 0.727 | 10.950 | 0.280 | 0.280 | 5.253 | 0.432 |
| K | 733.400 | 31.003 | 41.891 | 920.900 | 40.059 | 40.059 | 0.050 | 0.002 |
| NA | 267.800 | 13.363 | 19.281 | 385.500 | 19.236 | 19.236 | 0.410 | 0.015 |
| NH4 | 15.970 | 1.314 | 1.754 | 1.620 | 1.532 | 1.532 | 0.000 | 0.000 |
| CA | 0.745 | 0.012 | 0.015 | 0.498 | 0.018 | 0.018 | 0.000 | 0.000 |
| MG | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| FF | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| FE | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| ZN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CU | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| PR | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| AL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL | 1350.000 | 52.263 | 52.640 | 1863.000 | 52.527 | 52.527 | 131.100 | 3.698 |
| BR | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| I | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| F | 404.000 | 8.428 | 7.579 | 353.500 | 7.360 | 7.360 | 730.100 | 15.201 |
| OH | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| SO4 | 175.000 | 2.463 | 2.377 | 70.820 | 1.161 | 1.161 | 67.210 | 1.102 |
| S2O3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| HCO3 | 0.648 | 0.022 | 0.036 | 0.420 | 0.014 | 0.014 | 0.809 | 0.027 |
| CO3 | 55.271 | 0.920 | 0.798 | 20.839 | 0.347 | 0.347 | 24.648 | 0.410 |
| SI02 (MG/G)(MMOL/KG) | 0.140 | 0.001 | 0.004 | 0.311 | 0.003 | 0.003 | 0.028 | 0.000 |
| HR02 | 0.362 | 0.212 | 0.088 | 2.362 | 0.054 | 0.054 | 1.120 | 0.025 |
| H3PO4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| HAS02 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| C02 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| H2S | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| RN (*F-10 CURIE/L) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| NA/K | 54.821 | 57.582 | 143.017 | 33.134 | 33.134 | 33.134 | 5.368 | 0.071 |
| CA/(HCO3+CO2) | 4.604 | 7.992 | 0.080 | 0.071 | 0.071 | 0.071 | 2.170 | 3.277 |
| MG/CA | 0.008 | 0.009 | 2.082 | 44.714 | 44.714 | 44.714 | 18.466 | 75.899 |
| NA/CA | 2.387 | 2.173 | 1.924 | 66.013 | 66.013 | 66.013 | 5.635 | 67.602 |
| CL/(HCO3+CO2) | 1.303 | 21.819 | 44.714 | 31.479 | 31.479 | 31.479 | 30.240 | 2.158 |
| CL/F | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CL*100/(CL+S04+HCO3+CO3) | 75.058 | 84.317 | 86.023 | 18.466 | 18.466 | 18.466 | 18.466 | 18.466 |
| S04*100/(CL+S04+HCO3+CO3) | 14.790 | 11.819 | 12.053 | 75.899 | 75.899 | 75.899 | 75.899 | 75.899 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.151 | 3.864 | 1.924 | 5.635 | 5.635 | 5.635 | 5.635 | 5.635 |
| (NA+K)*100/(NA+K+CA+MG) | 58.879 | 66.954 | 66.013 | 67.602 | 67.602 | 67.602 | 67.602 | 67.602 |
| CA*100/(NA+K+CA+MG) | 36.835 | 31.291 | 31.479 | 30.240 | 30.240 | 30.240 | 30.240 | 30.240 |
| MG*100/(NA+K+CA+MG) | 2.786 | 2.755 | 2.507 | 2.158 | 2.158 | 2.158 | 2.158 | 2.158 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 83.809 | 96.136 | 93.076 | 94.365 | 94.365 | 94.365 | 94.365 | 94.365 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.151 | 3.864 | 1.924 | 5.635 | 5.635 | 5.635 | 5.635 | 5.635 |
| (NA+K)*100/(NA+K+CA+MG) | 58.879 | 66.954 | 66.013 | 67.602 | 67.602 | 67.602 | 67.602 | 67.602 |
| (CA+MG)*100/(CA+K+CA+MG) | 31.121 | 33.046 | 33.987 | 32.398 | 32.398 | 32.398 | 32.398 | 32.398 |

第22-2表 伊豆北部地域地下水質一覽表 (つづき)

| | INC257 | INC258 | INC259 | INC260 |
|----------------------------------|----------|----------|----------|----------|
| NO | 100.0 | 56.0 | 40.0 | 80.0 |
| TEMP | 2711.000 | 2778.000 | 1198.000 | 2550.000 |
| TSM | 8.40 | 8.20 | 6.10 | 8.00 |
| PH(FD) | 7.68 | 7.75 | 5.75 | 8.08 |
| PH(LB) | | | | |
| H (MG/KG) (M ³ AL/KG) | | | | |
| K | 47.920 | 22.010 | 1.692 | 44.720 |
| NA | 832.700 | 684.300 | 32.540 | 782.600 |
| NH4 | TR. | - | 0.060 | - |
| CA | 99.830 | 232.900 | 10.624 | 82.280 |
| MG | 2.522 | 0.208 | 0.645 | 2.965 |
| FE | 0.250 | 0.009 | 0.975 | - |
| MN | 0.080 | 0.003 | 0.034 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | - | - | TR. | - |
| CL | 895.000 | 834.900 | 11.860 | 869.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.043 | 0.027 | - | 0.017 |
| SO4 | 626.400 | 638.700 | 618.700 | 500.800 |
| S2O3 | - | - | - | - |
| HCO3 | 130.700 | 244.100 | 13.620 | 175.700 |
| CO3 | 1.962 | 5.835 | - | 1.043 |
| SI02 (MG/KG) (MMOL/KG) | 124.069 | 58.550 | 11.173 | 116.240 |
| HR02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | 0.380 | 0.034 | 0.002 | 0.094 |
| CO2 | 1.747 | 5.131 | 36.330 | 5.861 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 29.550 | 52.871 | 32.704 | 29.760 |
| CA/(HCO3+CO3) | 2.031 | 2.770 | 47.590 | 1.409 |
| MG/CA | 0.046 | 0.021 | 0.061 | 0.059 |
| NA/CA | 8.081 | 2.561 | 0.133 | 8.252 |
| CL/(HCO3+CO3) | 11.437 | 5.614 | 1.501 | 8.412 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 62.345 | 57.381 | 2.494 | 64.760 |
| S04*100/(CL+S04+HCO3+CO3) | 32.204 | 32.598 | 95.845 | 27.541 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.451 | 10.221 | 1.661 | 7.698 |
| (NA+K)*100/(NA+K+CA+MG) | 98.870 | 71.877 | 11.461 | 88.998 |
| CA*100/(NA+K+CA+MG) | 10.618 | 27.541 | 83.470 | 10.385 |
| MG*100/(NA+K+CA+MG) | 0.893 | 0.582 | 5.069 | 0.617 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 94.549 | 89.779 | 98.339 | 92.302 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.451 | 10.221 | 1.661 | 7.698 |
| (NA+K)*100/(NA+K+CA+MG) | 98.870 | 71.877 | 11.461 | 88.998 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.130 | 28.123 | 88.539 | 11.002 |

第 22-2 表 伊豆北部地域水質一覧表 (つづき)

| | INC261 | INC262 | INC263 | INC264 |
|----------------------------------|-----------|-----------|------------|----------|
| NO | 82.0 | 49.5 | 49.0 | 79.0 |
| TEMP | 2,778.000 | 20,10.000 | 19,325.000 | 4,56.000 |
| TSM | 8.10 | 8.00 | 8.20 | 8.00 |
| PH(CFD) | 7.82 | 7.65 | 7.50 | 7.52 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KC) | | | | |
| K | 44.280 | 15.150 | 135.500 | 8.507 |
| NA | 871.600 | 446.500 | 4,964.000 | 114.100 |
| NH4 | TR. | TR. | TR. | TR. |
| CA | 138.200 | 199.000 | 474.100 | 22.020 |
| MG | 39.510 | 1.100 | 582.000 | 2.852 |
| FE | 0.670 | 0.220 | 0.516 | 1.051 |
| MN | 0.090 | 0.600 | 3.876 | 0.170 |
| ZN | - | - | 0.022 | 0.141 |
| CU | - | - | 0.048 | 0.002 |
| PB | - | - | - | 0.040 |
| AL | - | - | - | 0.400 |
| CL | 1059.000 | 448.000 | 8,752.000 | 86.130 |
| BR | - | - | - | 0.344 |
| I | - | - | - | 0.073 |
| F | - | - | - | - |
| OH | 0.022 | 0.017 | 0.027 | 0.017 |
| S04 | 674.700 | 691.800 | 1,584.000 | 129.300 |
| S2O3 | - | - | - | 0.001 |
| HC03 | 169.300 | 236.000 | 89.590 | 2.692 |
| C03 | 1.261 | 1.398 | 0.850 | 1.754 |
| S102 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 82.513 | 54.636 | 22.036 | 0.634 |
| H3P04 | 0.583 | - | - | 0.850 |
| HAS02 | 0.340 | 0.669 | 0.035 | 0.164 |
| C02 | 4.518 | 7.874 | 1.883 | 0.227 |
| H2S | - | - | - | 0.000 |
| RN (**F-10 CURIE/L) | | | | |
| NA/K | 33.473 | 50.118 | 62.299 | 22.809 |
| CA/(HC03+C03) | 2.448 | 2.537 | 15.806 | 0.619 |
| MG/CA | 0.471 | 0.009 | 2.024 | 0.214 |
| NA/CA | 5.498 | 1.956 | 9.127 | 4.517 |
| CL/(HC03+C03) | 10.906 | 3.228 | 164.958 | 1.369 |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 64.560 | 40.826 | 87.747 | 35.231 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 29.520 | 4.628 | 11.721 | 39.034 |
| (NA+K)*100/(NA+K+CA+MG) | 5.820 | 12.646 | 0.532 | 25.735 |
| CA*100/(NA+K+CA+MG) | 79.373 | 66.409 | 75.408 | 79.530 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 14.018 | 33.288 | 8.131 | 16.867 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.809 | 0.303 | 16.461 | 3.603 |
| (NA+K)*100/(NA+K+CA+MG) | 94.080 | 87.354 | 99.468 | 74.265 |
| (CA+MG)*100/(NA+K+CA+MG) | 5.920 | 12.646 | 0.532 | 25.735 |
| (NA+K)*100/(NA+K+CA+MG) | 79.373 | 66.409 | 75.408 | 79.530 |
| (CA+MG)*100/(NA+K+CA+MG) | 40.627 | 33.591 | 24.592 | 20.470 |

第 22-2 表 伊豆北部地域水質一覽表 (つづき)

| NO | INC255 | | | INC266 | | | INC267 | | | INC268 | | |
|----------------------------------|---------|--------|----------|--------|---------|--------|---------|--------|--------|----------|--------|--------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(LR) | TEMP | TSM | PH(LR) | TEMP | TSM | PH(LR) |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 57.490 | 1.471 | 63.490 | 1.624 | 55.970 | 1.432 | 59.990 | 1.535 | 91.0 | 2656.000 | 1.535 | 91.0 |
| NA | 959.800 | 37.401 | 836.800 | 36.401 | 782.500 | 34.039 | 794.900 | 34.578 | 8.20 | 8.20 | 0.050 | 8.20 |
| NH4 | | | 0.900 | 0.050 | 0.959 | 0.053 | 0.900 | 0.050 | 7.72 | 7.72 | 0.050 | 7.72 |
| CA | 26.990 | 1.347 | 25.500 | 1.272 | 22.790 | 1.137 | 26.100 | 1.302 | | | 1.302 | |
| MG | 1.261 | 0.104 | 1.240 | 0.102 | 1.749 | 0.144 | 0.300 | 0.106 | | | 0.106 | |
| FE | 0.220 | 0.008 | | | | | 0.300 | 0.011 | | | 0.011 | |
| MN | 0.130 | 0.005 | 0.100 | 0.004 | 0.070 | 0.003 | 0.110 | 0.004 | | | 0.004 | |
| ZN | | | | | | | | | | | | |
| CU | 0.020 | 0.001 | | | | | | | | | 0.010 | |
| PB | | | | | | | | | | | | |
| AL | 0.300 | 0.033 | | | | | | | | | | |
| CL | 943.500 | 26.616 | 1024.000 | 28.887 | 960.500 | 27.096 | 793.900 | 22.396 | | | 22.396 | |
| BR | 2.629 | 0.033 | 2.844 | 0.036 | 2.476 | 0.031 | 2.709 | 0.034 | | | 0.034 | |
| I | 0.418 | 0.003 | 0.067 | 0.001 | 0.022 | 0.000 | 0.022 | 0.000 | | | 0.022 | |
| F | | | | | | | | | | | | |
| OH | 0.027 | 0.002 | 0.034 | 0.002 | 0.034 | 0.002 | 0.027 | 0.002 | | | 0.002 | |
| S04 | 611.500 | 12.731 | 502.600 | 10.464 | 481.800 | 10.031 | 500.300 | 10.416 | | | 10.416 | |
| S203 | | | | | | | | | | | | |
| HCO3 | 178.800 | 2.931 | 160.300 | 2.627 | 110.500 | 1.811 | 157.000 | 2.573 | | | 2.573 | |
| CO3 | 1.695 | 0.056 | 1.929 | 0.064 | 1.330 | 0.044 | 1.488 | 0.050 | | | 0.050 | |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HB02 | 155.030 | 2.582 | 163.303 | 2.719 | 112.757 | 1.877 | 137.683 | 2.292 | | | 2.292 | |
| H3PO4 | 5.133 | 0.117 | 20.271 | 0.463 | 21.403 | 0.488 | 20.261 | 0.462 | | | 0.462 | |
| HAS02 | 0.245 | 0.003 | 0.087 | 0.001 | 0.141 | 0.001 | 0.108 | 0.001 | | | 0.001 | |
| C02 | 0.508 | 0.005 | 0.056 | 0.001 | | | 0.177 | 0.002 | | | 0.002 | |
| H2S | 3.759 | 0.085 | 2.671 | 0.061 | 1.841 | 0.042 | 3.300 | 0.075 | | | 0.075 | |
| RN (*E-10 CHLIE/L) | | | | | | | | | | | | |
| NA/K | | | 22.413 | | 23.775 | | | | | | 22.533 | |
| CA/(HCO3+CO3) | 6.451 | | 6.613 | | 6.613 | | | | | | 0.897 | |
| MG/CA | 0.077 | | 0.080 | | 0.127 | | | | | | 0.082 | |
| NA/CA | 27.770 | | 28.607 | | 29.932 | | | | | | 26.550 | |
| CL/(HCO3+CO3) | 8.911 | | 10.732 | | 14.604 | | | | | | 8.539 | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 62.871 | | 68.709 | | 69.508 | | | | | | 63.203 | |
| S04*100/(CL+S04+HCO3+CO3) | 30.073 | | 24.889 | | 25.732 | | | | | | 29.395 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.056 | | 6.402 | | 4.760 | | | | | | 7.402 | |
| (NA+K)*100/(NA+K+CA+MG) | 96.403 | | 96.511 | | 96.514 | | | | | | 96.246 | |
| CA*100/(NA+K+CA+MG) | 3.340 | | 3.230 | | 3.094 | | | | | | 3.471 | |
| MG*100/(NA+K+CA+MG) | 0.257 | | 0.259 | | 0.392 | | | | | | 0.283 | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 52.944 | | 93.598 | | 95.240 | | | | | | 92.598 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.056 | | 6.402 | | 4.760 | | | | | | 7.402 | |
| (NA+K)*100/(NA+K+CA+MG) | 96.403 | | 96.511 | | 96.514 | | | | | | 96.246 | |
| (CA+MG)*100/(NA+K+CA+MG) | 3.597 | | 3.489 | | 3.486 | | | | | | 3.754 | |

第22-3表 伊豆北部地域特定成分含量の頻度分布表

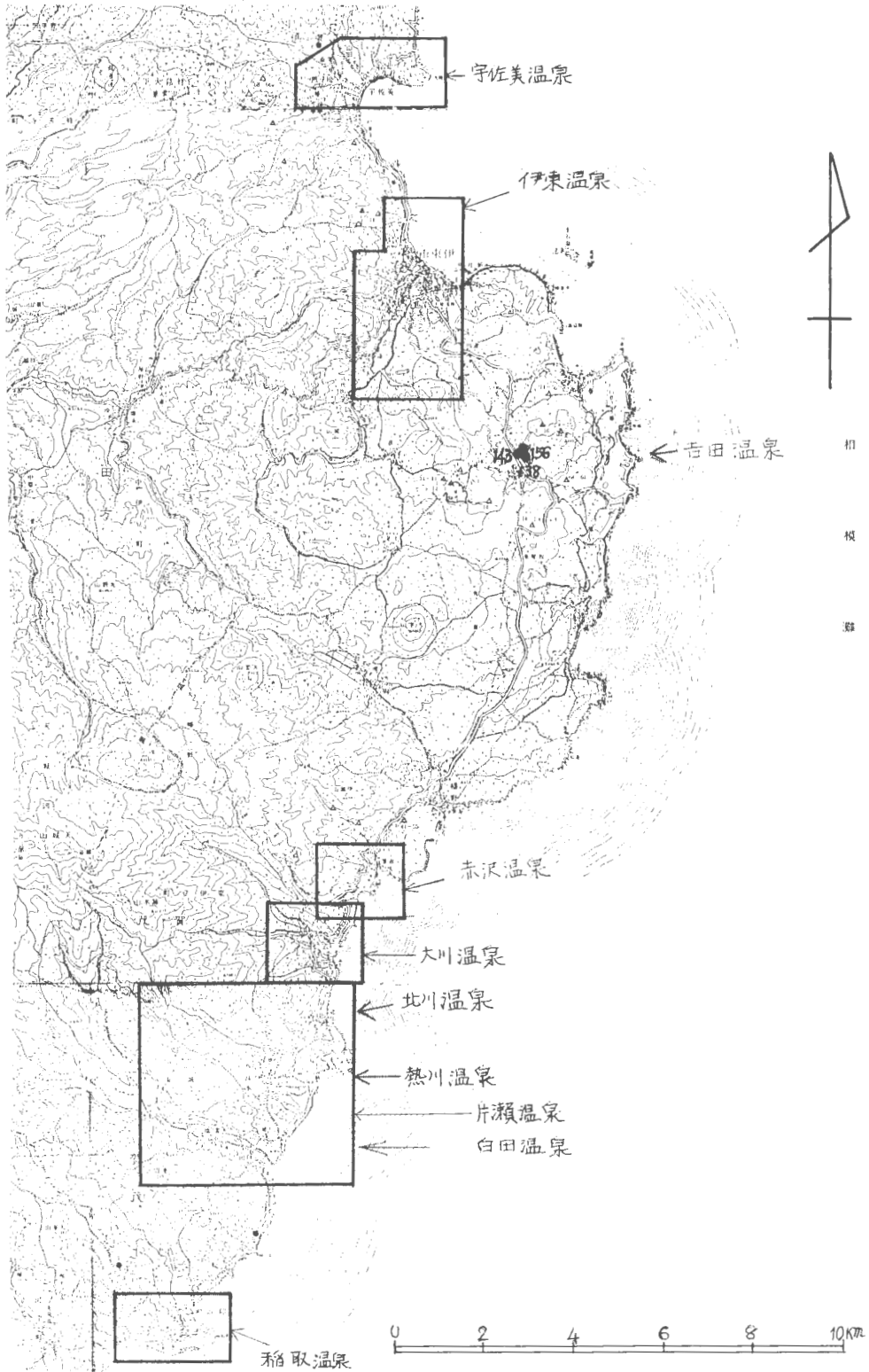
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|--------|-----|-------|--------|-----|-------|
| ND | 268 | 100.0 | ND | 25 | 96.3 |
| <0.500 | 0 | 0. | <0.300 | 11 | 3.7 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 268 | 100.0 | TOTAL | 268 | 100.0 |

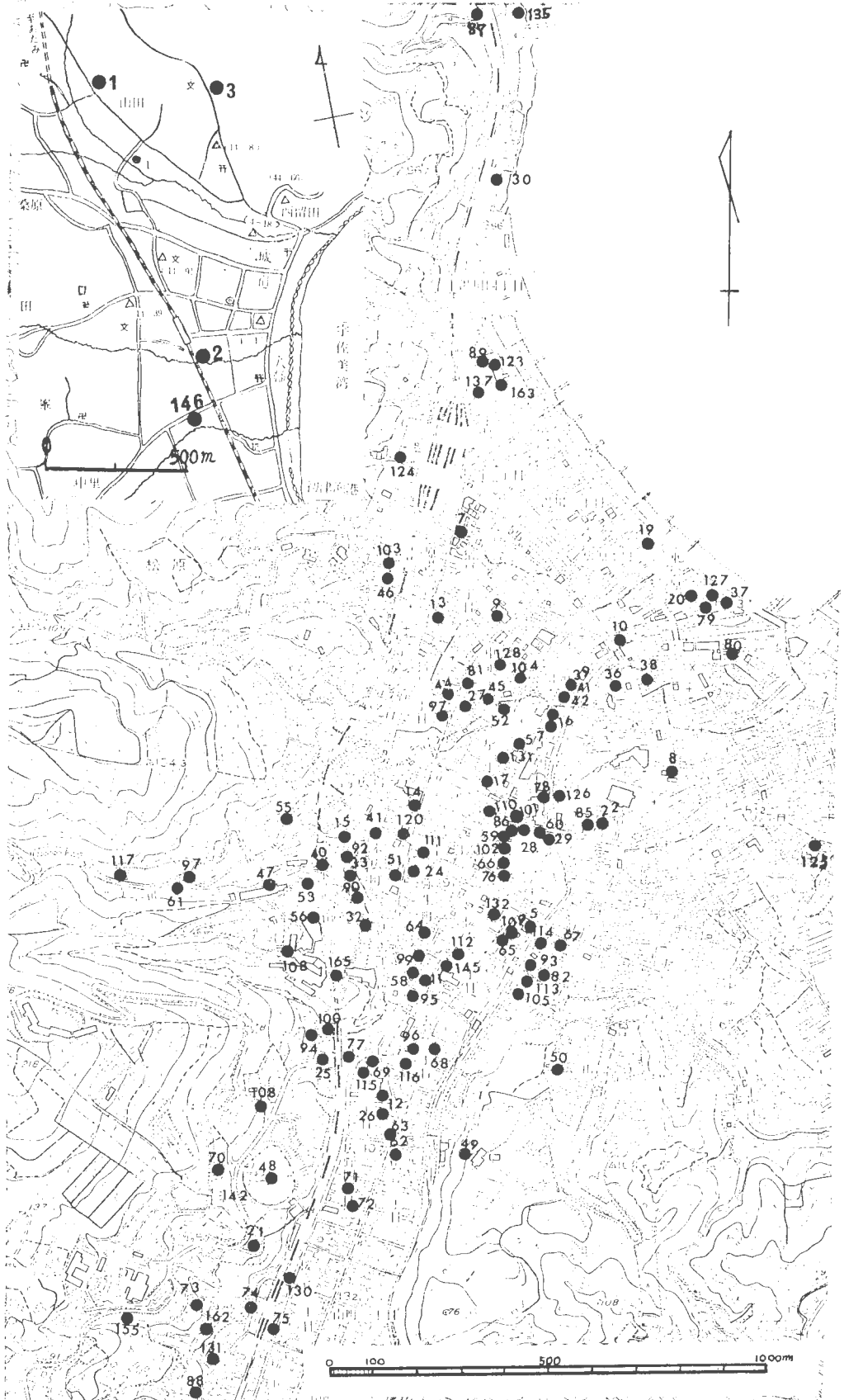
| PB | N | F(%) | AS | N | F(%) |
|--------|-----|-------|--------|-----|------|
| ND | 268 | 100.0 | ND | 62 | 23.1 |
| <0.100 | 0 | 0. | <0.050 | 83 | 32.8 |
| <1.000 | 0 | 0. | <0.500 | 105 | 39.2 |
| >1.000 | 0 | 0. | <5.000 | 13 | 4.9 |
| TOTAL | 268 | 100.0 | >5.000 | 0 | 0. |

| H2S | N | F(%) | N= NUMBER OF SAMPLES | F= FREQUENCY(%) |
|-----------|-----|-------|----------------------|-----------------|
| ND | 233 | 86.9 | | |
| < 1.000 | 30 | 11.2 | | |
| < 10.000 | 5 | 1.9 | | |
| < 100.000 | 0 | 0. | | |
| > 100.000 | 0 | 0. | | |
| TOTAL | 268 | 100.0 | | |

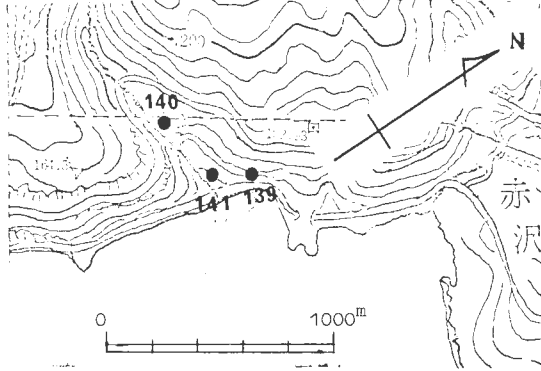
第22-1図 伊豆北部地域における温泉の分布および試料採取地



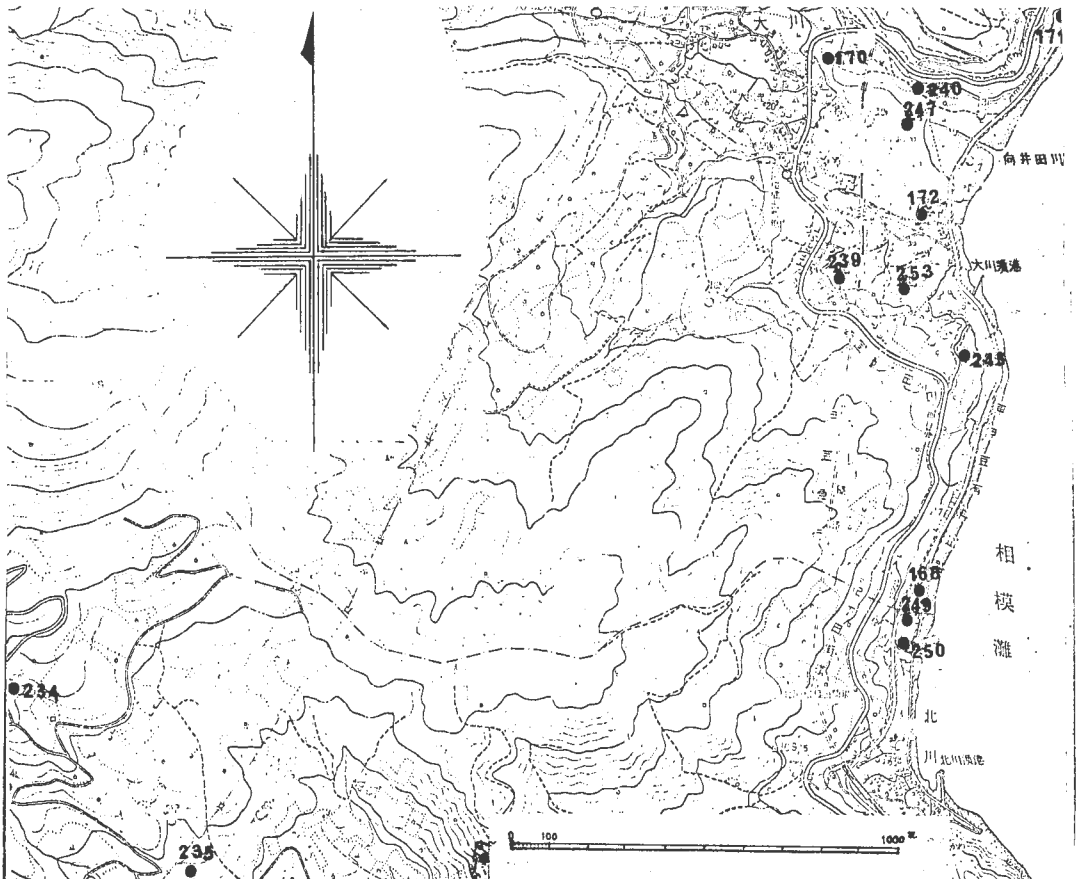
第 22-2 図 試料採取地 (伊豆温泉および宇佐美温泉(左上))



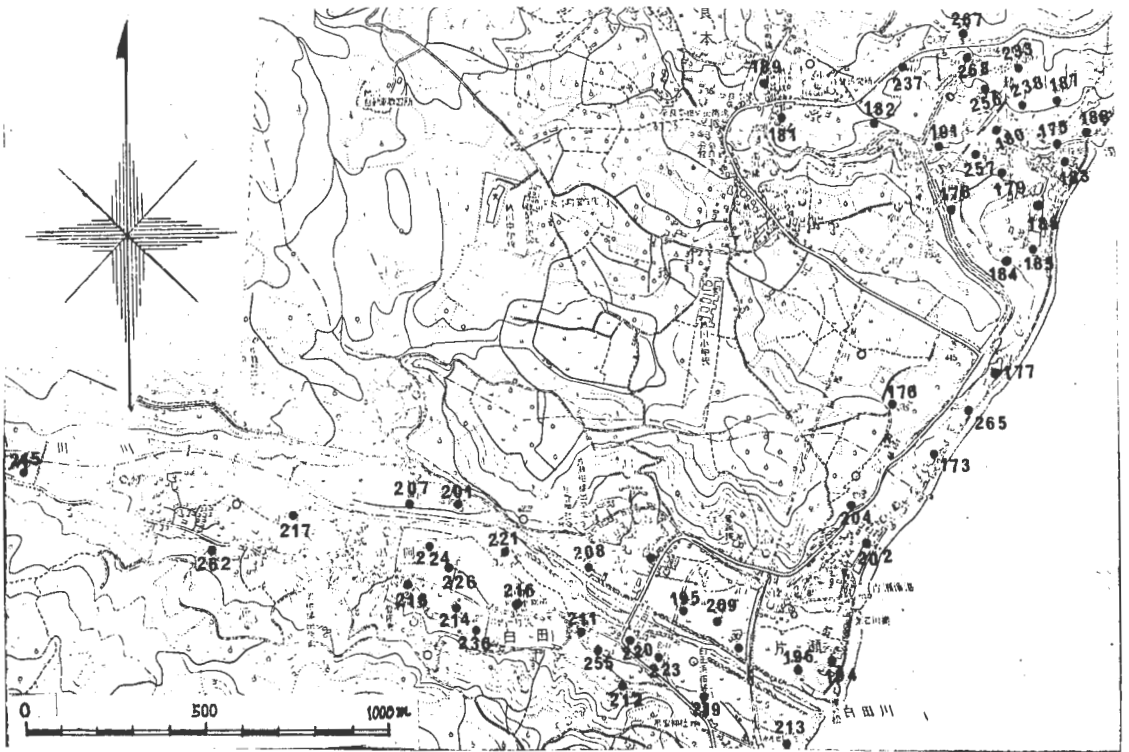
第 22-3 図 試料採取地 (赤沢温泉)



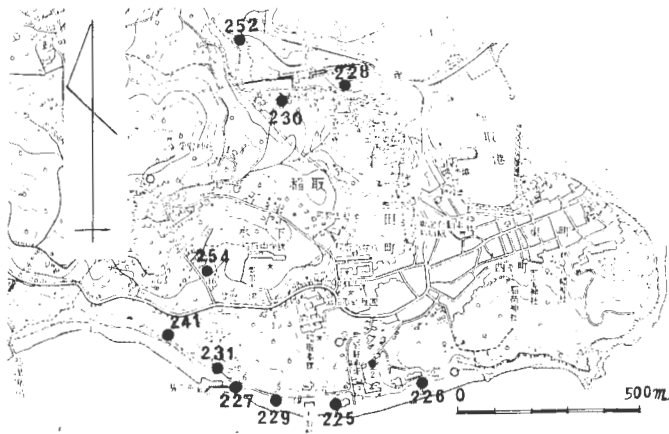
第 22-4 図 試料採取地 (大川, 北川温泉)



第22-5図 試料採取地（熱川，片瀬，白田温泉）



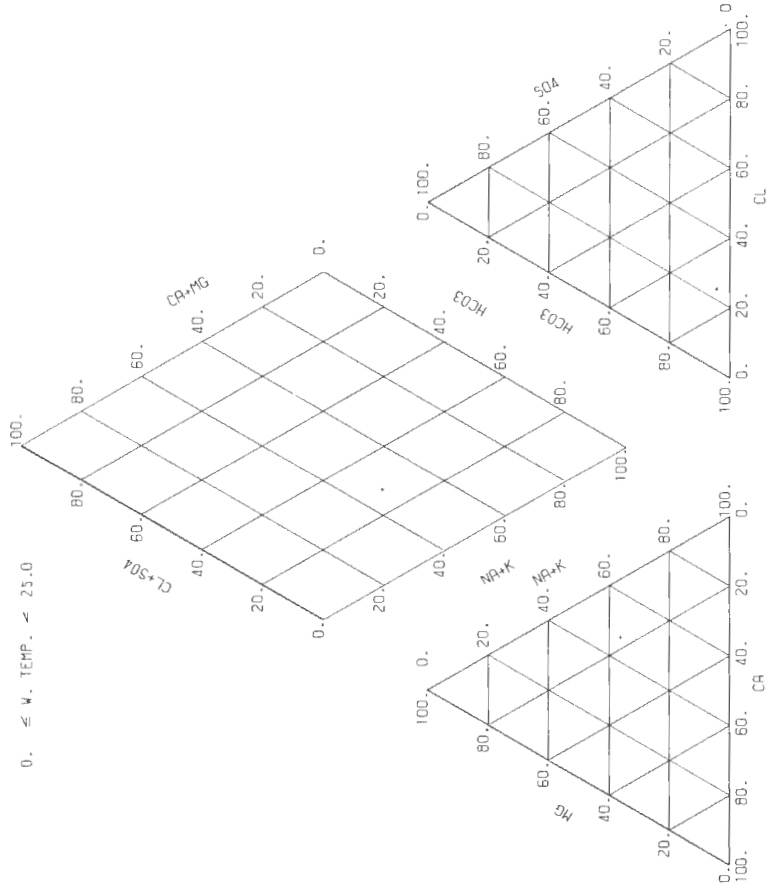
第22-6図 試料採取地（稲取温泉）



第 22-7 図 伊豆北部地域水質組成図 (その 1) (水温 25℃ 未満)

AREA CODE INC

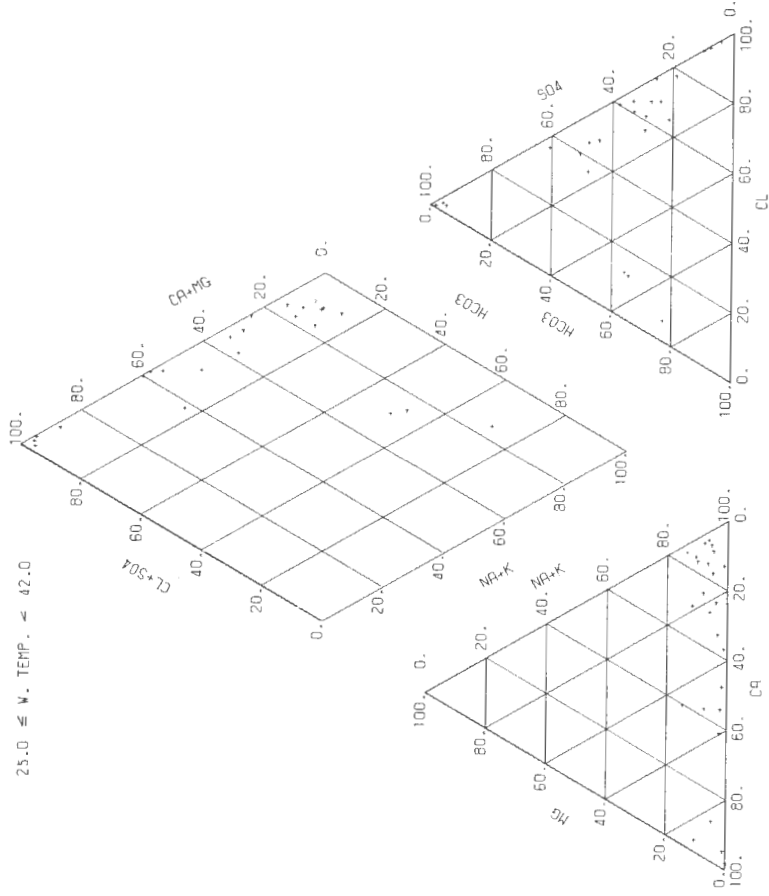
0. ≦ W. TEMP. < 25.0



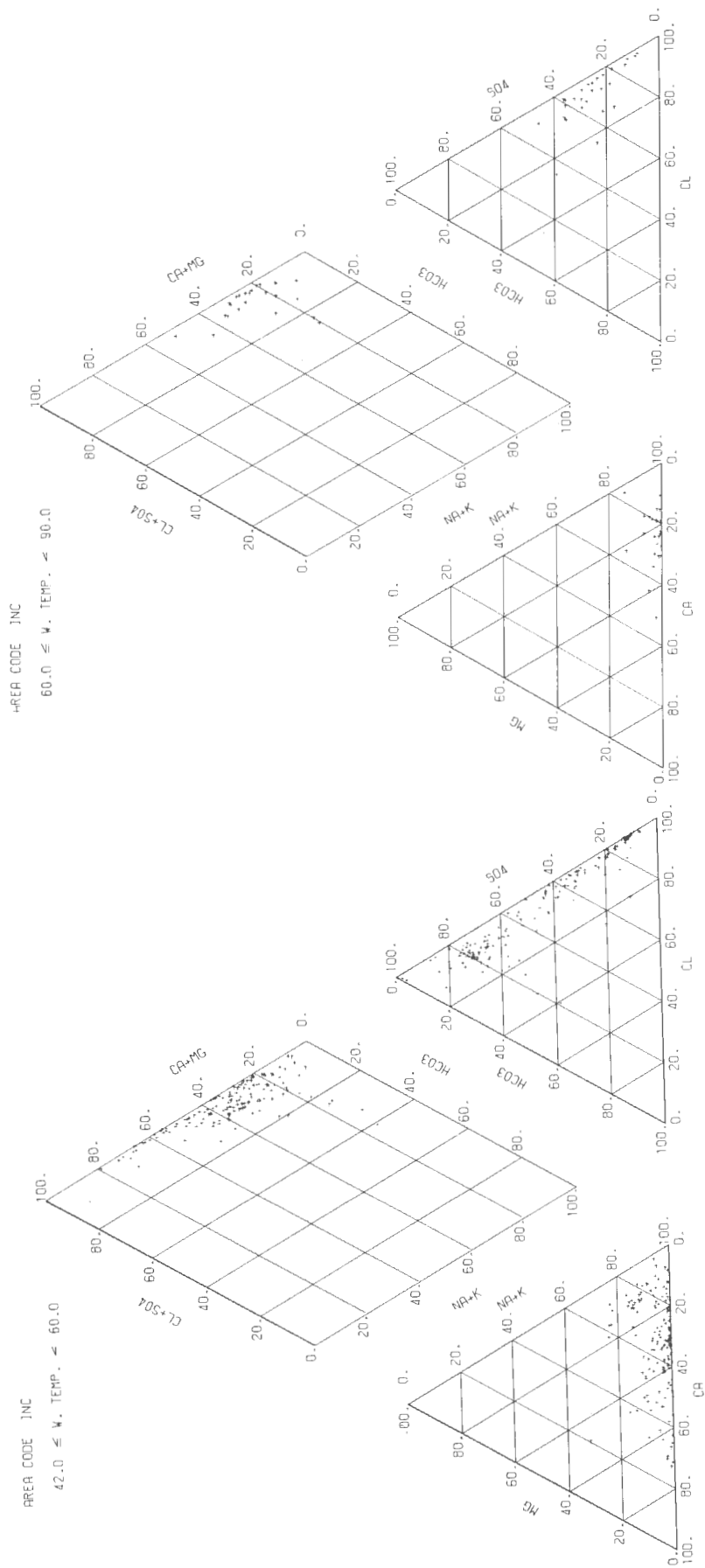
第 22-7 図 伊豆北部地域水質組成図 (その 2) (水温 25℃ 以上 42℃ 未満)

AREA CODE INC

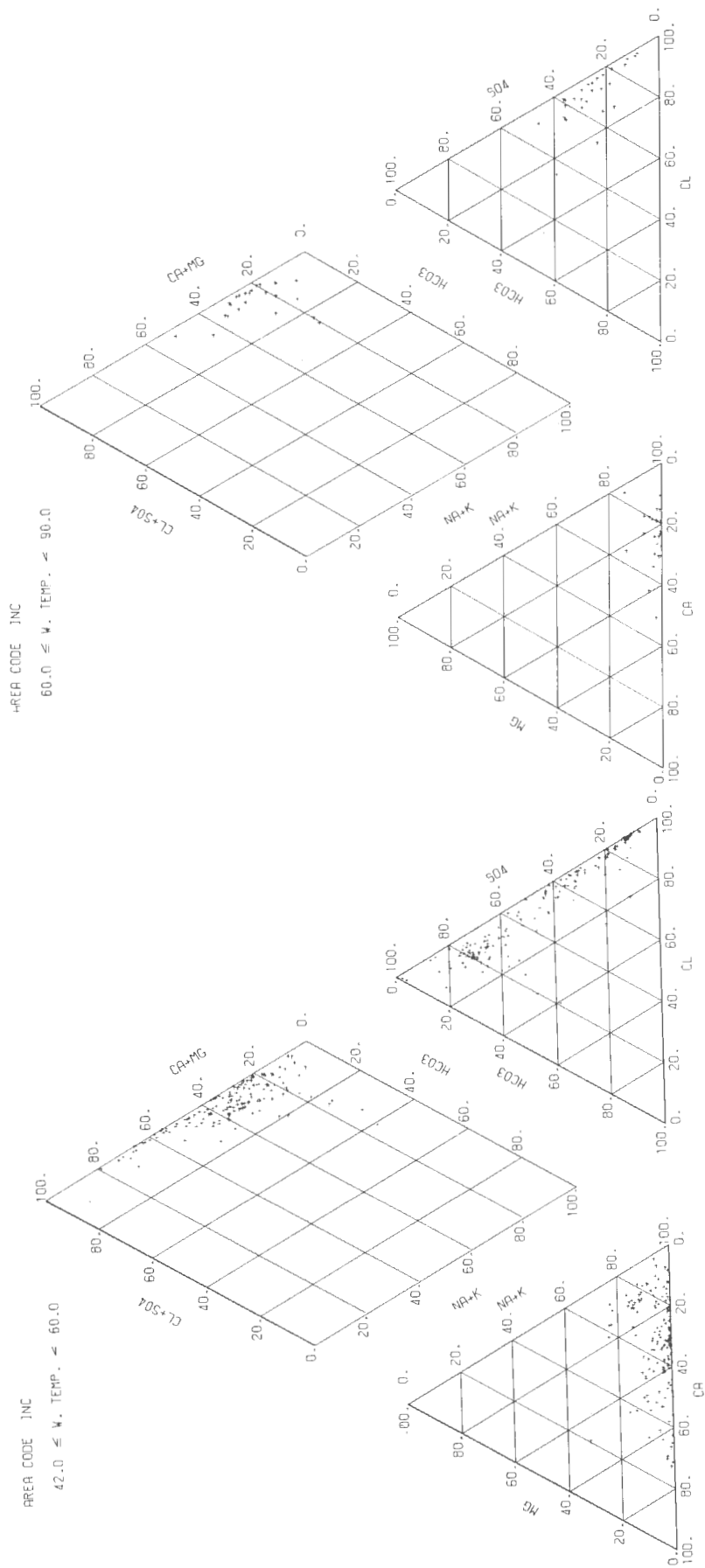
25.0 ≦ W. TEMP. < 42.0



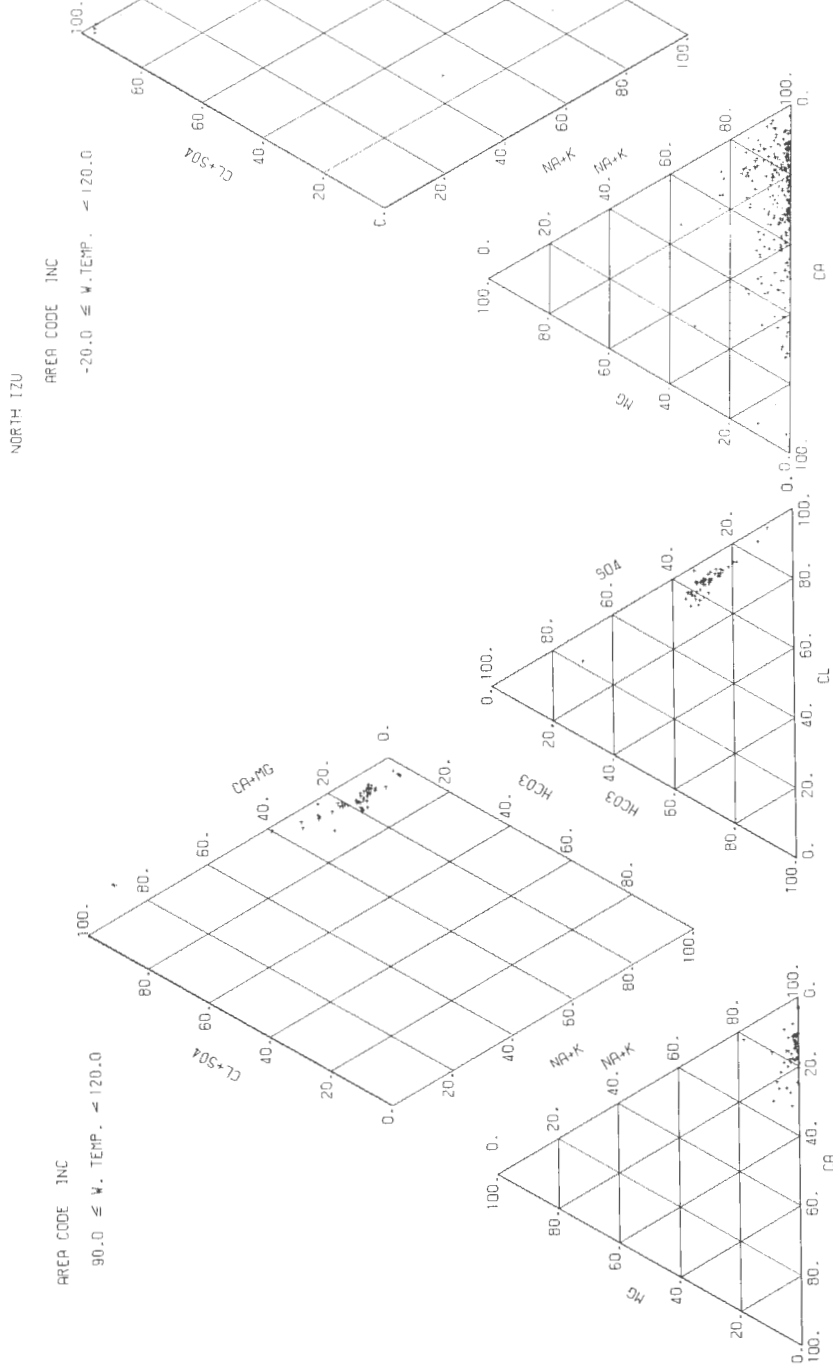
第 22-7 図 伊豆北部地域水質組成図 (その 3) (水温42℃以上60℃未満)



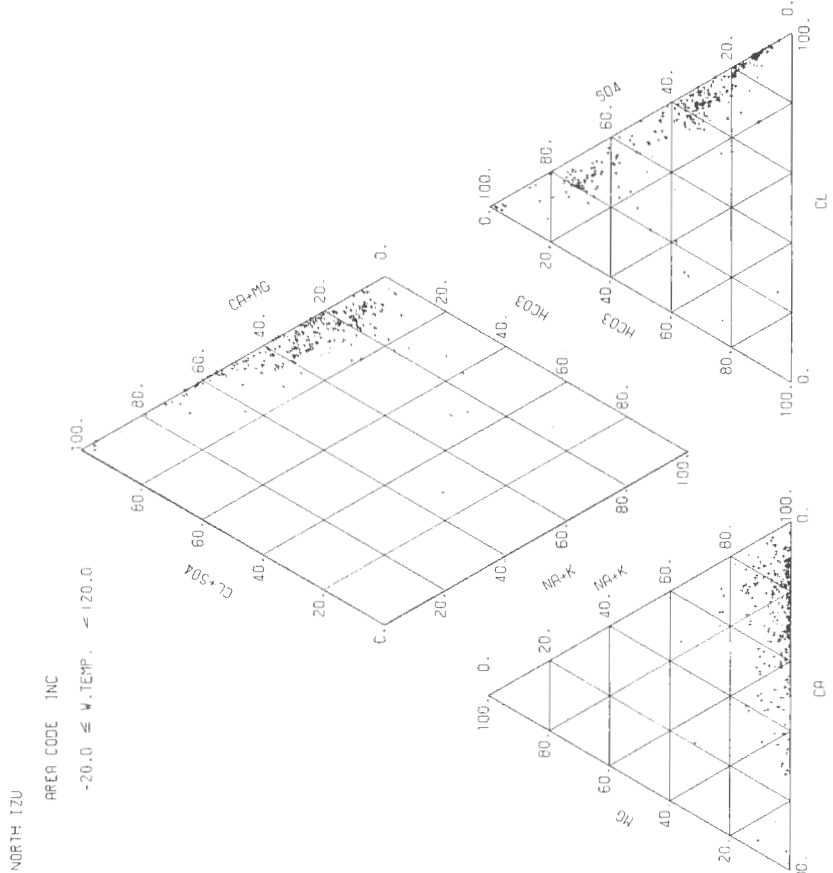
第 22-7 図 伊豆北部地域水質組成図 (その 4) (水温60℃以上90℃未満)



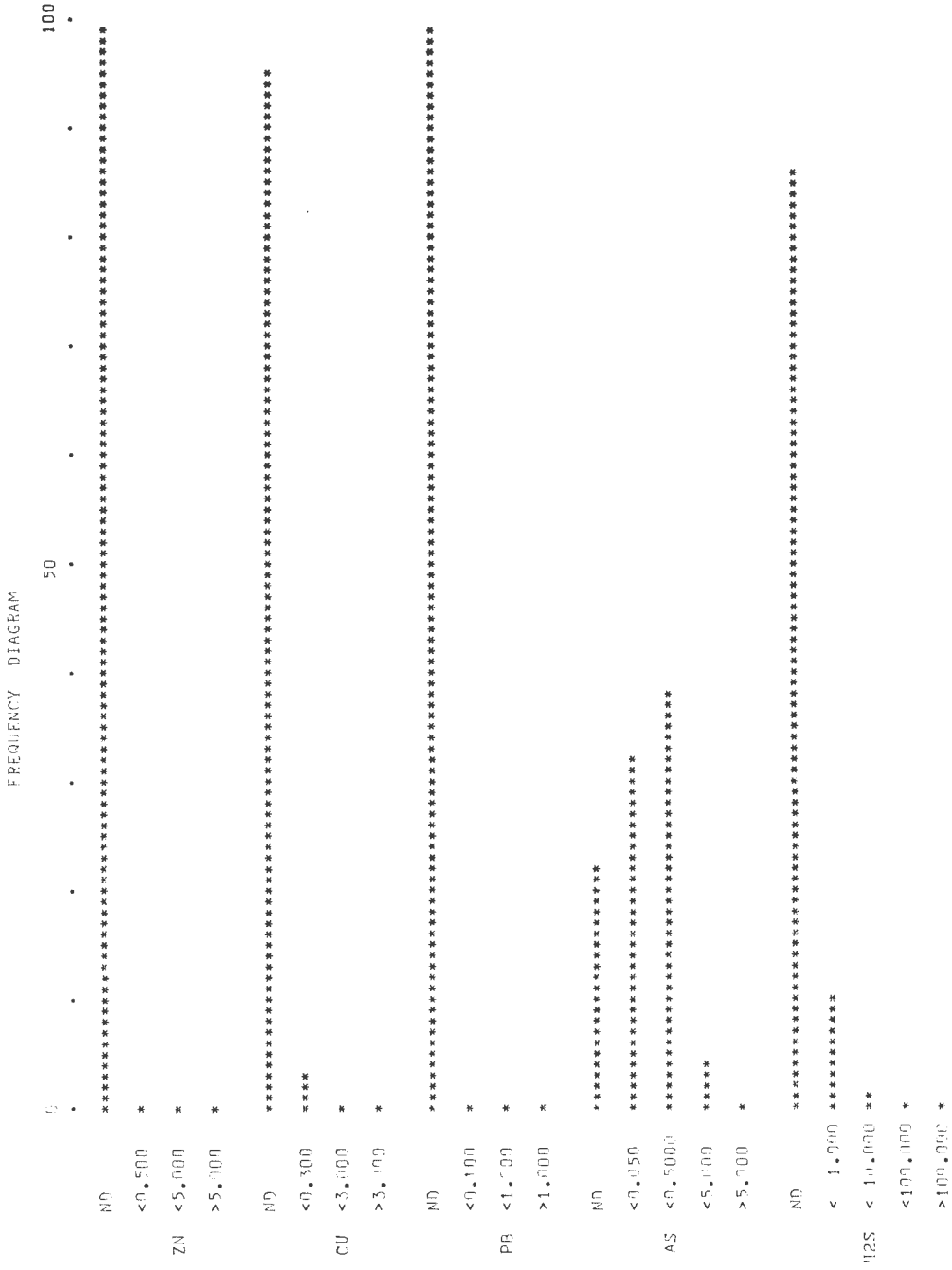
第 22-7 図 伊豆北部地域水質組成図 (その 5) (水温90℃以上120℃未満)



第 22-7 図 伊豆北部地域水質組成図 (その 6) (全試料)



第 22-8 図 伊豆北部地域特定成分含量の頻度分布図



23. 伊豆南部 Southern part of Izu

| | |
|-------|-------------------------|
| 位置 | 静岡県下田市, 同賀茂郡河津町, 同郡南伊豆町 |
| データ数 | 79 |
| 収集・整理 | 川野昌樹・阿部喜久男 |
| 協力 | 静岡県衛生部薬務課, 同企画調整部 |

調査位置図 (20万分の1地勢図 横須賀, 静岡, 御前崎)



第23-1表 伊豆南部地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|----------------------|-----|--------|--------------|-------|----------------------|-----------------------|
| ISC-1 | 静岡県下田市相玉字槻沢36の2 | | 相玉1号 | 1971. 9. 9 | 63 | 46-17 | D=200m, X |
| "-2 | " 賀茂郡南伊豆町一色字下の坪808の2 | | 蝶ヶ野湯1号 | 1973. 1. 29 | " | 47-28 | X |
| "-3 | " " 毛倉野字夜免404の5 | 毛倉野 | 毛倉野1号 | 1970. 7. 18 | " | 45-16 | D=300m, Q=37l/m, F, X |
| "-4 | " 下田市吉佐見字前磯698 | | 前磯 | 1968. 11. 27 | " | 43-35 | |
| "-5 | " 賀茂郡南伊豆町下賀茂字日詰233の3 | 下 | 松乃湯 | 1971. 2. 19 | " | 45-36 | D=75m, Q=212l/m, P |
| "-6 | " " 二条字洗池12 | | 洗池源泉1号 | 1972. 11. 21 | " | 47-23 | |
| "-7 | " " 下賀茂字小島69の4 | | 親水の湯 | 1968. 5. 8 | " | 43-3 | D=149m, Q=160l/m, P |
| "-8 | " " " 字原428の2 | | 高島鉱泉2号 | 1969. 3. 19 | " | 44-10 | D=72.2m, Q=134l/m, F |
| "-9 | " " " " 334 | | 鈴の湯 | " 7. 23 | " | 44-20 | D=1135m, Q=133l/m, P |
| "-10 | " " 加納字入山1207の3 | | 埼玉1号 | 1967. 12. 11 | " | 42-31 | D=198m, P |
| "-11 | " " " 字権現569 | | 権現2号 | " 12. 19 | " | 42-40 | D=170m, Q=43l/m, F |
| "-12 | " " 下賀茂字日詰244 | | 白坂湯 | 1952. 11. 28 | " | " | D=90.9m, Q=61.5l/m, P |
| "-13 | " " " 字原428の2 | | 高島鉱泉2号 | 1958. 4. 2 | " | ISC-8と同一源泉 | |
| "-14 | " " " 字日詰200の4 | | クラブの湯 | 1961. 6. 29 | " | D=140m, Q=97.2l/m, P | |
| "-15 | " " 加納字入山1207の1 | | 埼玉2号 | 1958. 4. 3 | " | D=173m, F | |
| "-16 | " " " 字八重ヶ瀬606の2 | | 五常の湯 | 1961. 6. 6 | " | D=83.3m, Q=171l/m, F | |
| "-17 | " " 下賀茂字遠見437 | | 河内屋 | " 6. 6 | " | D=21.8m, Q=167l/m, P | |
| "-18 | " " " 字日詰259の5 | | 黄金湯 | " 7. 1 | " | D=221m, Q=133l/m, P | |
| "-19 | " " " 字朝倉797の7 | | 朝倉湯 | 1966. 4. 26 | " | D=46.5m, Q=109l/m, P | |
| "-20 | " " " 字原411の2 | | 第3栄湯 | " 4. 26 | " | D=32.7m, Q=300l/m, P | |
| "-21 | " " 加納字向原368の2 | | 加納共同湯 | 1965. 2. 25 | " | D=75.5m, Q=171l/m, F | |
| "-22 | " " 下賀茂字日詰244 | | 白坂湯 | " 2. 25 | " | ISC-12と同一源泉 | |
| "-23 | " " " 字正湯85の2 | | 正湯 | " 2. 25 | " | D=102m, Q=18l/m, P | |
| "-24 | " " " 字匣534の3 | | どんばね湯 | " 2. 25 | " | D=78.8m, Q=184l/m, P | |
| "-25 | " " " 字九条112の1 | | 庄湯 | " 2. 25 | " | D=30m, Q=104l/m, P | |
| "-26 | " " 加納字八重ヶ瀬604の3 | | 矢崎湯 | 1966. 4. 26 | " | D=175m, Q=140l/m, P | |
| "-27 | " " 下賀茂字遠見435の2 | | 元湯 | " 4. 26 | " | D=29.4m, P | |
| "-28 | " " 加納字権現579の3 | | 玉川湯 | " 4. 26 | " | D=70m | |
| "-29 | " " " 569 | | 権現2号 | " 4. 26 | " | ISC-11と同一源泉 | |
| "-30 | " 下田市東本郷2丁目6の10 | 下 | 本郷 | 1971. 9. 8 | " | 46-15 | X |
| "-31 | " " 中568の2 | 大 | 赤掛 | 1957. 3. 8 | " | " | D=3.4m, Q=30l/m, P, X |
| "-32 | " " 大沢字上洗戸1069 | 河 | 河内橋 | 1969. 1. 23 | " | 43-49 | |
| "-33 | " " 河内字下湯原117の2 | 内 | 河内1号 | 1967. 9. 7 | " | 42-18 | D=6m, Q=26l/m, P |
| "-34 | " " " 147の5 | | ホテル第3 | 1969. 1. 23 | " | 43-48 | D=51m, Q=200l/m, P |
| "-35 | " " 大沢字上洗戸1073の4 | 大 | 猿喰 | 1971. 5. 11 | " | 46-3 | D=41.4m, Q=24l/m, P |
| "-36 | " " 河内字下湯原153 | 河 | 河内2号 | 1959. 2. 17 | " | " | D=54m, Q=35l/m, P |
| "-37 | " " " 字上湯原266の6 | | 葛蒲の湯 | 1962. 10. 17 | " | " | D=70m, Q=200l/m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|-------------------|---------------|----------|---------------|--------------|-------|----------------|----------------------|
| ISC-38 | 静岡県下田市河内字下湯原137の2 | 河 | 内 | 下湯原 | 1964. 1. 6 | 63 | | D=100m, Q=620//m, P |
| " | " | " | " | 伊沢 | 1959. 4. 11 | " | | X |
| " | " | " | " | 臼井の湯 | 1964. 1. 6 | " | | D=148m, Q=300//m, P |
| " | " | " | " | 下田温泉ホテル 第2 | " 1. 19 | " | | D=78.8m, Q=300//m, P |
| " | " | " | " | 寺の入 | 1965. 4. 21 | " | | D=150m, Q=150//m, P |
| " | " | " | " | 下田温泉ホテル 第2 | 1952. 11. 27 | " | | ISC-41と同一源泉 |
| " | " | " | " | 河内1号 | " 11. 27 | " | | ISC-33と同一源泉 |
| " | " | " | " | 河内4号 | 1964. 12. 19 | " | | D=100m, Q=300//m, P |
| " | " | " | " | 河内3号 | 1952. 11. 27 | " | | D=148m, Q=300//m, P |
| " | " | 蓮台寺 | 6号 | 号 | 1958. 7. 4 | " | | D=60.6m, Q=425//m, P |
| " | " | " | 蓮台寺15号 | 号 | 1666. 11. 14 | " | | D=90.9m, Q=108//m, P |
| " | " | " | 5号 | 号 | 1952. 11. 27 | " | | D=54.6m, Q=430//m, P |
| " | " | " | 9号 | 号 | " 11. 27 | " | | D=42m, Q=140//m, P |
| " | " | 大沢 | 掛橋 | 井 | 1957. 3. 8 | " | | ISC-32と同一源泉 |
| " | " | 梨本 | 桜井 | | 1969. 1. 22 | " | 43-45 | D=214m, Q=133//m, F |
| " | " | " | 天城自然公園1号 | | 1959. 4. 11 | " | | D=171m, Q=300//m, P |
| " | " | " | 天城自然公園2号 | | 1962. 10. 17 | " | | D=267m, Q=150//m, P |
| " | " | " | 天城自然公園3号 | | 1965. 4. 21 | " | | D=197m, Q=140//m, F |
| " | " | 川津筏場・ 下佐ヶ野 | 大澗 | 本 | 1955. 7. 14 | " | | D=2m, Q=20//m, F |
| " | " | 湯が野 | 榎本 | | 1969. 3. 18 | " | 44-9 | D=20m, Q=40//m, F |
| " | " | " | 杉山 | | 1968. 5. 8 | " | 43-4 | D=200m, Q=12//m, P |
| " | " | " | 財産区1号 | | 1959. 3. 28 | " | | D=150m, P |
| " | " | " | 河津菅林署 | | 1952. 11. 28 | " | | D=1.1m, Q=86//m, P |
| " | " | 峰 | 新峰 | | 1971. 11. 10 | " | 46-26 | D=300m, Q=109//m, P |
| " | " | " | 辰の湯 | | 1967. 12. 19 | " | 42-41 | D=46m, Q=430//m, F |
| " | " | " | 峰湯元 | | 1969. 1. 23 | " | 43-46 | D=88.1m, Q=43//m, P |
| " | " | " | 曙の湯 | | 1957. 8. 7 | " | | D=36.1m, Q=550//m, F |
| " | " | " | 峰2号 | | " 8. 7 | " | | D=104m, Q=109//m, P |
| " | " | " | 新花田 | | 1964. 1. 6 | " | | D=70m, Q=54//m, P |
| " | " | " | 三菊の湯 | | 1961. 6. 6 | " | | ISC-63と同一源泉 |
| " | " | " | 峰湯元 | | 1952. 11. 28 | " | | D=46m, Q=120//m, P |
| " | " | 谷津 | 谷津36号 | | 1969. 6. 20 | " | 44-18 | D=38m, Q=300//m, P |
| " | " | " | 谷津18号 | | " 1. 23 | " | 43-47 | D=90m, Q=240//m, P |
| " | " | " | 谷津42号 | | 1957. 8. 8 | " | | ISC-70と同一源泉 |
| " | " | " | 谷津18号 | | " 8. 8 | " | | |

| No. | 産地 | 温泉水名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|-------------------|------|-----|--------|------------|-------|----------------|--------------------|
| ISC-73 | 静岡県賀茂郡河津町谷津字弥勤159 | 谷 | 津 | 谷津48号 | 1952.11.29 | 63 | | D=90m, Q=150l/m, F |
| " | " | " | " | 谷津29号 | 1959.3.28 | " | | D=45m, Q=28l/m, P |
| " | " | " | " | 谷津43号 | " | " | | D=37m, Q=350l/m, F |
| " | " | " | " | 谷津13号 | " | " | | D=53m, Q=48l/m, P |
| " | " | " | " | 谷津36号 | " | " | | D=46m, Q=120l/m, P |
| " | " | " | " | 谷津12号 | 1961.6.6 | " | | D=40m, Q=60l/m, P |
| " | " | " | " | 館の湯(内) | " | " | | D=29m, Q=60l/m, P |

備考のDは深度(m), Qは湯(湧)水量(l/m), Pはポンプ揚水, Fは自噴, Xは源泉位置不明を示す。

第 23-2 表 伊豆南部地域水質一覽表

| | ISC 1 | ISC 2 | ISC 3 | ISC 4 |
|----------------------------------|---------|----------|---------|-----------|
| NO | | | | |
| TEMP | 55.0 | 30.5 | 37.0 | 33.0 |
| TSM | 154.000 | 215.000 | 207.100 | 17416.000 |
| PH(FD) | 9.10 | 9.30 | 9.60 | 7.80 |
| PH(LB) | 9.41 | 9.28 | 8.89 | 7.80 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 0.361 | 1.176 | 0.732 | 146.800 |
| NA | 32.250 | 56.020 | 55.730 | 4214.600 |
| NH4 | | 0.205 | | |
| CA | 2.771 | 0.020 | 1.317 | 405.800 |
| MG | 0.244 | 0.020 | 0.007 | 622.100 |
| FE | | 0.090 | 0.001 | 0.813 |
| MN | | 0.010 | | 9.421 |
| ZN | | | | 0.0 |
| CU | | 0.020 | | 0.0 |
| PB | | | | |
| AL | | | | |
| CL | 9.085 | 19.010 | 10.420 | 8512.400 |
| BR | | 0.175 | | |
| I | | 0.138 | | |
| F | | | | |
| OH | 0.221 | 0.340 | 0.680 | 0.009 |
| SO4 | 17.360 | 3.319 | 1.433 | 859.800 |
| S2O3 | | | | |
| HCO3 | 74.910 | 68.450 | 98.760 | 58.710 |
| CO3 | 5.619 | 8.216 | 23.940 | 0.216 |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HR02 | 13.987 | 36.532 | 41.522 | 52.538 |
| H3PO4 | | | | |
| HAS02 | | 0.285 | | |
| CO2 | 0.202 | 0.115 | 0.002 | 0.022 |
| H2S | | | 0.087 | 2.214 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 151.919 | 81.007 | 129.469 | 48.822 |
| CA/(HCO3+CO3) | 0.098 | 0.001 | 0.027 | 20.887 |
| MG/CA | 0.145 | | 0.100 | 2.528 |
| NA/CA | 10.146 | 2441.754 | 36.889 | 9.034 |
| CL/(HCO3+CO3) | 0.181 | 0.384 | 0.121 | 247.701 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 12.608 | 26.799 | 10.663 | 92.714 |
| S04*100/(CL+S04+HCO3+CO3) | 17.780 | 3.453 | 1.082 | 6.911 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 69.612 | 69.748 | 88.255 | 0.374 |
| (NA+K)*100/(NA+K+CA+MG) | 89.917 | | 97.126 | 72.366 |
| CA*100/(NA+K+CA+MG) | 8.805 | | 2.613 | 7.832 |
| MG*100/(NA+K+CA+MG) | 1.279 | | 0.262 | 19.801 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 30.388 | 30.252 | 11.745 | 99.626 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 69.612 | 69.748 | 88.255 | 0.374 |
| (NA+K)*100/(NA+K+CA+MG) | 89.917 | | 97.126 | 72.366 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.083 | | 2.874 | 27.634 |

第23-2表 伊豆南部地域水質一覽表 (つづき)

| | JSC 5 | ISC 6 | ISC 7 | ISC 8 |
|----------------------------------|----------|---------|-----------|----------|
| NO | 81.5 | | 71.0 | 95.0 |
| TEMP | | 42.5 | 11246.400 | |
| TSM | | 145.000 | 7.80 | 8.40 |
| PH(FD) | 7.80 | 9.60 | 7.30 | 8.50 |
| PH(LB) | 7.00 | 10.35 | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 90.610 | 0.351 | 216.400 | 5.536 |
| NA | 1723.000 | 45.680 | 2366.200 | 3599.000 |
| NH4 | 0.0 | | 0.0 | 156.557 |
| CA | 930.100 | | 1198.700 | 1883.000 |
| MG | 6.288 | | 31.540 | 47.420 |
| FE | 0.498 | 0.018 | 0.273 | 0.838 |
| MN | 0.0 | | | 0.670 |
| ZN | | | | |
| CU | 0.0 | | | |
| PB | | | | |
| AL | 0.0 | 0.461 | | |
| CL | 4048.000 | 39.090 | 5921.600 | 8956.000 |
| BR | | 0.0 | 0.104 | |
| I | | 0.0 | 0.126 | |
| F | | | | |
| OH | 0.010 | 1.361 | 0.010 | 0.043 |
| S04 | 67.330 | 3.917 | 931.800 | 109.400 |
| S203 | | | | |
| HCO3 | 69.640 | 43.990 | 43.680 | 49.960 |
| C03 | 0.258 | 20.300 | 0.162 | 0.750 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| SI02 | 39.550 | 25.969 | 36.908 | 86.485 |
| HB02 | | 1.009 | | |
| H3P04 | | 0.046 | | |
| HAS02 | | 0.000 | | |
| C02 | 3.717 | 0.019 | 1.284 | 0.006 |
| H2S | | | 1.646 | 0.678 |
| RN (*F-10 CUPIE/L) | | | | |
| NA/K | 32.337 | 221.313 | 22.524 | 24.442 |
| CA/(HCO3+C03) | 40.358 | | 82.925 | 111.350 |
| MG/CA | 0.011 | | 0.030 | 0.042 |
| NA/CA | 1.615 | | 2.084 | 1.666 |
| CL/(HCO3+C03) | 99.299 | 0.789 | 231.589 | 299.403 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+C03) | 97.814 | 42.710 | 89.250 | 98.780 |
| S04*100/(CL+S04+HCO3+C03) | 1.201 | 3.159 | 10.365 | 0.891 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.985 | 54.131 | 0.385 | 0.330 |
| (NA+K)*100/(NA+K+CA+MG) | 62.214 | | 67.890 | 62.479 |
| CA*100/(NA+K+CA+MG) | 37.369 | | 31.186 | 36.025 |
| MG*100/(NA+K+CA+MG) | 0.417 | | 0.924 | 1.496 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 99.015 | 45.869 | 99.615 | 99.670 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.985 | 54.131 | 0.385 | 0.330 |
| (NA+K)*100/(NA+K+CA+MG) | 62.214 | | 67.890 | 62.479 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.785 | | 32.110 | 37.521 |

第23-2表 伊豆南部地域水質一覧表(つづき)

| | ISC 9 | ISC 10 | ISC 11 | ISC 12 |
|----------------------------------|-----------|-----------|-----------|-----------|
| NO | 99.0 | 100.0 | 64.0 | 102.0 |
| TEMP | 16560.000 | 20441.700 | 12753.000 | 13992.800 |
| TSM | 8.40 | 8.30 | 8.00 | 8.30 |
| PH(FD) | 7.70 | 8.32 | 6.92 | - |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 194.300 | 494.700 | 181.700 | 88.561 |
| NA | 3561.000 | 4517.200 | 2747.600 | 4134.715 |
| NH4 | 0.0 | - | - | - |
| CA | 1760.000 | 2372.600 | 1774.600 | 461.152 |
| MG | 26.000 | 38.420 | 40.820 | 479.454 |
| FF | 0.149 | 0.190 | 0.318 | 0.148 |
| MN | 0.525 | TR. | TR. | - |
| ZN | 0.0 | - | - | - |
| CU | 0.0 | - | - | - |
| PB | 0.0 | - | - | - |
| AL | 0.0 | - | - | - |
| CL | 8436.000 | 12403.500 | 7625.000 | 8290.520 |
| BR | - | - | - | 0.135 |
| I | - | - | - | - |
| F | 0.043 | 0.034 | 0.017 | 1.378 |
| SO4 | 126.000 | 162.240 | 87.840 | 396.752 |
| SO3 | - | - | - | - |
| SO3 | 29.470 | 25.115 | 39.610 | 148.742 |
| CO3 | 0.442 | 0.402 | 0.234 | 11.760 |
| SI02 (MG/KG)(MMOL/KG) | 73.252 | 72.906 | 38.614 | 197.095 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | 0.007 | 0.043 | 0.043 | 0.081 |
| CO2 | 0.394 | 0.242 | 0.951 | - |
| H2S | - | - | - | - |
| RN (*F-ID CURIE/L) | - | - | - | - |
| NA/K | 31.166 | 15.528 | 25.715 | 79.395 |
| CA/(HC03+CO3) | 176.444 | 278.549 | 134.782 | 8.132 |
| MG/CA | 0.024 | 0.027 | 0.038 | 1.715 |
| NA/CA | 1.764 | 1.660 | 1.350 | 7.816 |
| CL/(HC03+CO3) | 478.115 | 823.236 | 327.396 | 82.646 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 98.705 | 98.925 | 98.858 | 95.473 |
| S04*100/(CL+S04+HC03+CO3) | 1.088 | 0.955 | 0.841 | 3.372 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.206 | 0.120 | 0.302 | 1.155 |
| (NA+K)*100/(NA+K+CA+MG) | 63.991 | 63.244 | 57.464 | 74.461 |
| CA*100/(NA+K+CA+MG) | 35.152 | 35.800 | 40.981 | 9.408 |
| MG*100/(NA+K+CA+MG) | 0.856 | 0.956 | 1.555 | 16.131 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.794 | 99.880 | 99.698 | 98.845 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.206 | 0.120 | 0.302 | 1.155 |
| (NA+K)*100/(NA+K+CA+MG) | 63.991 | 63.244 | 57.464 | 74.461 |
| (CA+MG)*100/(NA+K+CA+MG) | 36.009 | 36.756 | 42.536 | 25.539 |

第23-2表 伊豆南部地域水質一覽表 (つづき)

| NO | ISC 13 | ISC 14 | ISC 15 | ISC 16 |
|----------------------------------|-----------|----------|-----------|-----------|
| TEMP | 100.0 | 60.0 | 129.0 | 98.0 |
| TSM | 14234.000 | 5172.000 | 18937.000 | 19620.000 |
| PH(FD) | 8.20 | 7.90 | 8.20 | 8.30 |
| PH(LB) | 8.40 | 7.40 | 8.30 | 7.80 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 238.100 | 6.091 | 1.615 | 75.230 |
| NA | 4521.000 | 196.664 | 54.071 | 4612.000 |
| NH4 | | | | |
| CA | 695.200 | 34.690 | 1323.000 | 1988.000 |
| MG | 23.540 | 1.937 | 3.867 | 0.901 |
| FE | 0.120 | 0.004 | 0.480 | 0.037 |
| MN | 0.300 | 0.011 | 0.050 | 0.371 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.100 | 0.011 | 0.600 | 1.669 |
| CL | 8355.000 | 235.695 | 82.204 | 10592.000 |
| BR | 4.495 | 0.056 | 1.372 | 298.800 |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 155.500 | 3.238 | 4.580 | 0.034 |
| S203 | | | | |
| HCO3 | 30.220 | 0.495 | 22.400 | 58.600 |
| CO3 | | | | 0.701 |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| H802 | 129.165 | 2.151 | 164.653 | 75.744 |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | | | | |
| RN (*F-10 CURIE/L) | | | | |
| NA/K | 32.290 | 33.483 | 24.301 | 104.253 |
| CA/(HCO3+CO3) | 70.039 | 38.014 | 179.818 | 101.170 |
| MG/CA | 0.056 | 0.035 | 0.005 | 0.009 |
| NA/CA | 5.669 | 1.752 | 3.547 | 2.022 |
| CL/(HCO3+CO3) | 475.857 | 101.250 | 833.231 | 304.730 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 98.441 | 93.844 | 98.611 | 98.685 |
| S04*100/(CL+S04+HCO3+CO3) | 1.352 | 5.229 | 1.270 | 0.991 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.207 | 0.927 | 0.118 | 0.324 |
| (NA+K)*100/(NA+K+CA+MG) | 84.699 | 63.550 | 78.610 | 66.925 |
| CA*100/(NA+K+CA+MG) | 14.492 | 35.222 | 21.287 | 32.778 |
| MG*100/(NA+K+CA+MG) | 0.809 | 1.227 | 0.103 | 0.298 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.793 | 99.073 | 99.882 | 99.676 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.207 | 0.927 | 0.118 | 0.324 |
| (NA+K)*100/(NA+K+CA+MG) | 84.699 | 63.550 | 78.610 | 66.925 |
| (CA+MG)*100/(NA+K+CA+MG) | 15.301 | 36.450 | 21.390 | 33.075 |

第23-2表 伊豆南部地域水質一覧表 (つづき)

| | ISC 17 | ISC 18 | ISC 19 | ISC 20 |
|----------------------------------|-----------|----------|-----------|-----------|
| NO | 91.5 | 51.0 | 83.0 | 87.5 |
| TEMP | 13964.000 | 2862.000 | 12175.000 | 13056.000 |
| TSM | 8.00 | 8.00 | 7.90 | 7.80 |
| PH(FD) | 7.10 | 7.50 | 7.80 | 7.90 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 73.320 | 1.876 | 118.400 | 108.100 |
| NA | 2994.000 | 130.239 | 2499.000 | 2672.000 |
| NH4 | | | | |
| CA | 1932.000 | 96.407 | 1330.000 | 1345.000 |
| MG | 17.450 | 1.436 | 89.430 | 7.359 |
| FE | 0.161 | 0.006 | 0.080 | 3.265 |
| MN | 0.393 | 0.014 | | 1.153 |
| ZN | | | | |
| CU | 0.028 | 0.001 | | |
| PB | | | | |
| AL | 1.360 | 0.151 | | |
| CL | 7878.000 | 222.238 | 6817.000 | 7044.000 |
| BR | 0.132 | 0.002 | TR. | TR. |
| I | | | | |
| F | 0.017 | 0.001 | 0.014 | 0.010 |
| S04 | 204.600 | 4.260 | 127.600 | 140.100 |
| S203 | | | | |
| HC03 | 103.300 | 1.693 | 31.430 | 33.790 |
| CO3 | 0.437 | 0.015 | 0.144 | 0.126 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HBO2 | 67.947 | 1.131 | 76.420 | 58.534 |
| H3PO4 | | | | |
| HAS02 | 0.048 | 0.000 | 1.192 | 1.192 |
| CO2 | 2.427 | 0.055 | | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 69.441 | 17.531 | 35.892 | 42.034 |
| CA/(HC03+CO3) | 56.456 | 9.655 | 127.644 | 120.275 |
| MG/CA | 0.015 | 0.030 | 0.111 | 0.049 |
| NA/CA | 1.351 | 1.159 | 1.638 | 1.732 |
| CL/(HC03+CO3) | 130.143 | 20.103 | 369.867 | 356.102 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 97.385 | 92.372 | 98.375 | 98.281 |
| S04*100/(CL+S04+HC03+CO3) | 1.867 | 3.033 | 1.359 | 1.443 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.748 | 4.595 | 0.266 | 0.276 |
| (NA+K)*100/(NA+K+CA+MG) | 57.452 | 54.320 | 60.247 | 62.836 |
| CA*100/(NA+K+CA+MG) | 41.924 | 44.345 | 35.785 | 35.440 |
| MG*100/(NA+K+CA+MG) | 0.624 | 1.335 | 3.968 | 1.724 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.252 | 95.405 | 99.734 | 99.724 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.748 | 4.595 | 0.266 | 0.276 |
| (NA+K)*100/(NA+K+CA+MG) | 57.452 | 54.320 | 60.247 | 62.836 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.548 | 45.680 | 39.753 | 37.164 |

第23-2表 伊豆南部地域水質一覧表 (つづき)

| | ISC 21 | ISC 22 | ISC 23 | ISC 24 |
|----------------------------------|-----------|-----------|----------|-----------|
| NO | 100.0 | 98.0 | 50.0 | 90.0 |
| TEMP | 18816.000 | 15084.000 | 5915.000 | 12427.000 |
| TSM | 8.40 | 8.20 | 8.00 | 8.20 |
| PH(FD) | 8.25 | 7.86 | 7.89 | 7.61 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KC) | | | | |
| K | 252.000 | 6.446 | 80.160 | 185.200 |
| NA | 3694.000 | 160.689 | 1265.000 | 2404.574 |
| NH4 | | | | |
| CA | 2362.000 | 117.864 | 448.000 | 1425.000 |
| MG | 91.400 | 7.521 | 100.600 | 106.200 |
| FF | 0.316 | 0.011 | 0.120 | 0.357 |
| MN | | | | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | | |
| CL | 10845.000 | 305.937 | 3230.000 | 7238.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.043 | 0.003 | 0.017 | 0.027 |
| S04 | 158.600 | 3.302 | 73.140 | 100.500 |
| S203 | | | | |
| HC03 | 21.860 | 0.358 | 73.500 | 29.060 |
| C03 | 0.161 | 0.005 | 0.318 | 0.136 |
| S102 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 134.897 | 2.246 | 32.517 | 108.662 |
| H3P04 | 4.733 | 0.108 | 3.952 | 1.829 |
| HAS02 | 0.047 | 0.000 | | 0.043 |
| C02 | 0.002 | 0.000 | | |
| H2S | 0.210 | 0.005 | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 24.928 | 18.923 | 26.836 | 22.074 |
| CA/(HC03+C03) | 324.112 | 248.416 | 18.395 | 147.886 |
| MG/CA | 0.064 | 0.045 | 0.370 | 0.123 |
| NA/CA | 1.363 | 1.324 | 2.462 | 1.471 |
| CL/(HC03+C03) | 841.293 | 643.974 | 74.978 | 424.652 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 98.816 | 98.681 | 97.083 | 98.755 |
| S04*100/(CL+S04+HC03+C03) | 1.067 | 1.165 | 1.622 | 1.012 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.117 | 0.153 | 1.295 | 0.233 |
| (NA+K)*100/(NA+K+CA+MG) | 57.136 | 57.161 | 65.075 | 57.788 |
| CA*100/(NA+K+CA+MG) | 40.293 | 41.010 | 25.487 | 37.592 |
| MG*100/(NA+K+CA+MG) | 2.571 | 1.828 | 9.438 | 4.620 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.883 | 99.847 | 98.705 | 99.767 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.117 | 0.153 | 1.295 | 0.233 |
| (NA+K)*100/(NA+K+CA+MG) | 57.136 | 57.161 | 65.075 | 57.788 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.864 | 42.839 | 34.925 | 42.212 |

第23-2表 伊豆南部地域水質一覽表 (つづき)

| | ISC 25 | ISC 26 | ISC 27 | ISC 28 |
|----------------------------------|-----------|-----------|-----------|-----------|
| NO | 90.0 | 86.0 | 87.0 | 101.0 |
| TEMP | 12493.000 | 12041.000 | 12937.000 | 18554.000 |
| TSM | 7.90 | 8.00 | 8.00 | 8.40 |
| PH(CFD) | 7.64 | 8.20 | 7.70 | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 175.000 | 4.477 | 2.473 | 217.200 |
| NA | 2426.000 | 105.531 | 113.709 | 3835.000 |
| NH4 | - | - | - | - |
| CA | 1401.000 | 69.910 | 66.916 | 2079.000 |
| MG | 121.100 | 9.965 | 0.692 | 103.742 |
| FE | 0.298 | 0.011 | 0.003 | 37.610 |
| MIN | - | - | - | 0.059 |
| ZN | - | - | - | 0.002 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 7272.000 | 205.143 | 193.154 | 10535.000 |
| BR | 1.202 | 0.015 | - | 297.192 |
| I | - | TR. | TR. | - |
| F | 0.014 | 0.001 | 0.001 | 0.003 |
| S04 | 124.200 | 2.586 | 2.486 | 169.800 |
| S203 | - | - | - | - |
| HCO3 | 21.560 | 0.353 | 0.731 | 26.490 |
| CO3 | 0.049 | 0.002 | 0.009 | 0.195 |
| SI02 (MG/KG)(MMOL/KG) | 41.306 | 0.688 | 1.597 | 102.747 |
| HR02 | - | - | 60.481 | 1.711 |
| H3PO4 | - | - | 5.470 | 0.108 |
| HAS02 | 0.024 | 0.015 | 0.000 | - |
| CO2 | 0.674 | 0.015 | 0.032 | - |
| H2S | - | - | - | 0.255 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 23.574 | 45.974 | 39.540 | 30.026 |
| CA/(HCO3+C03) | 196.928 | 90.392 | 130.072 | 235.419 |
| MG/CA | 0.143 | 0.010 | 0.029 | 0.030 |
| NA/CA | 1.510 | 1.699 | 1.565 | 1.608 |
| CL/(HCO3+C03) | 577.865 | 260.918 | 381.308 | 674.410 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 98.587 | 98.357 | 98.446 | 98.680 |
| SO4*100/(CL+S04+HCO3+C03) | 1.243 | 1.266 | 1.295 | 1.174 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.171 | 0.377 | 0.258 | 0.146 |
| (NA+K)*100/(NA+K+CA+MG) | 57.934 | 63.215 | 60.934 | 61.737 |
| CA*100/(NA+K+CA+MG) | 36.817 | 36.409 | 37.970 | 37.155 |
| MG*100/(NA+K+CA+MG) | 5.248 | 0.376 | 1.096 | 1.108 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 99.829 | 99.623 | 99.742 | 99.854 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.171 | 0.377 | 0.258 | 0.146 |
| (NA+K)*100/(NA+K+CA+MG) | 57.934 | 63.215 | 60.934 | 61.737 |
| (CA+MG)*100/(NA+K+CA+MG) | 42.066 | 36.785 | 39.066 | 38.263 |

第23-2表 伊豆南部地域水質一覧表(つづき)

| | ISC 29 | ISC 30 | ISC 31 | ISC 32 |
|----------------------------------|------------|---------|---------|---------|
| NO | 101.0 | 30.6 | 26.5 | 60.0 |
| TEMP | 1644.2.000 | 685.400 | 349.200 | 994.700 |
| TSM | 8.10 | 8.60 | 7.80 | 7.00 |
| PH(FD) | 7.60 | 8.38 | 7.60 | 7.20 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 135.100 | 3.456 | 3.896 | 0.244 |
| NA | 3440.000 | 149.640 | 62.840 | 143.100 |
| NH4 | | | | |
| CA | 1797.000 | 89.670 | 20.110 | 96.120 |
| MG | 52.580 | 4.327 | 8.300 | 9.746 |
| FE | 0.050 | 0.002 | 0.312 | 0.802 |
| MN | | | 0.600 | 0.006 |
| ZN | | | 0.100 | 0.026 |
| CU | | | | |
| PB | | | | |
| AL | | | 0.400 | 0.0 |
| CL | 9395.000 | 265.033 | 46.110 | 148.400 |
| BR | | | | |
| I | TR. | | | |
| F | | | | |
| OH | 0.022 | 0.068 | | 0.002 |
| S04 | 156.000 | 55.570 | 1.157 | 323.600 |
| S203 | | | 89.640 | 6.737 |
| HC03 | 30.420 | 0.499 | 1.014 | 0.516 |
| C03 | 0.222 | 0.007 | 86.230 | 0.001 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HS02 | 138.228 | 2.302 | 27.441 | 28.624 |
| H3P04 | 1.143 | 0.027 | | |
| HAS02 | | | 0.506 | |
| C02 | | | | |
| H2S | 0.585 | 0.013 | 3.784 | 7.574 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 43.300 | 227.386 | 27.429 | 25.530 |
| CA/(HC03+C03) | 177.220 | 0.545 | 0.710 | 9.279 |
| MG/CA | 0.048 | 0.539 | 0.681 | 0.167 |
| NA/CA | 1.669 | 17.585 | 2.724 | 1.298 |
| CL/(HC03+C03) | 523.798 | 8.879 | 0.920 | 8.099 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 98.603 | 80.963 | 28.399 | 36.592 |
| S04*100/(CL+S04+HC03+C03) | 1.208 | 9.918 | 40.746 | 58.890 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.188 | 9.119 | 30.856 | 4.518 |
| (NA+K)*100/(NA+K+CA+MG) | 61.959 | 91.986 | 62.686 | 53.606 |
| CA*100/(NA+K+CA+MG) | 36.290 | 5.208 | 22.203 | 39.748 |
| MG*100/(NA+K+CA+MG) | 1.751 | 2.806 | 15.112 | 6.646 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.812 | 90.881 | 69.144 | 95.482 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.188 | 9.119 | 30.856 | 4.518 |
| (NA+K)*100/(NA+K+CA+MG) | 61.959 | 91.986 | 62.686 | 53.606 |
| (CA+MG)*100/(NA+K+CA+MG) | 38.041 | 8.014 | 37.314 | 46.394 |

第 23-2 表 伊豆南部地域水質一覽表 (つづき)

| | ISC 33 | ISC 34 | ISC 35 | ISC 36 |
|----------------------------------|---------|---------|----------|---------|
| NO | 38.0 | 47.5 | 59.5 | 55.2 |
| TEMP | 375.100 | 245.700 | 1017.000 | 812.900 |
| TSM | 8.00 | 8.20 | 7.20 | 7.80 |
| PH(TD) | 8.23 | 7.70 | 6.93 | 7.85 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 4.100 | 4.213 | 7.588 | 1.682 |
| NA | 65.100 | 67.200 | 178.700 | 157.900 |
| NH4 | | | 0.0 | 0.950 |
| CA | 5.150 | 11.430 | 114.700 | 78.810 |
| MG | 17.090 | 1.340 | 3.954 | 1.019 |
| FE | | 0.089 | | 0.816 |
| MN | | | 0.400 | 0.002 |
| ZN | | | 0.0 | 0.000 |
| CU | | | 0.0 | |
| PB | | | | |
| AL | | | 0.0 | |
| CL | 63.350 | 46.000 | 138.000 | 151.400 |
| BR | | | 0.0 | |
| I | | | 0.0 | |
| F | | | | |
| OH | 0.018 | 0.009 | 0.003 | |
| S04 | 114.500 | 53.340 | 423.700 | 281.900 |
| S203 | | | | |
| HCO3 | 86.620 | 81.520 | 48.720 | 61.470 |
| C03 | 0.511 | 0.480 | 0.047 | |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 87.649 | 4.811 | 33.651 | 118.626 |
| H3P04 | | | | |
| HAS02 | | | | |
| CO2 | 2.083 | 0.016 | 0.001 | 0.909 |
| H2S | | 6.575 | 10.230 | |
| RN (**F-10 CURIE/L) | | | | 1.040 |
| NA/K | | 27.125 | | 159.641 |
| CA/(HC03+C03) | 27.001 | 0.422 | 40.048 | 3.903 |
| MG/CA | 0.179 | 5.472 | 0.057 | 0.021 |
| NA/CA | 5.472 | 0.193 | 1.358 | 1.747 |
| CL/(HC03+C03) | 11.020 | 5.125 | 4.866 | 4.239 |
| CL/F | 1.244 | 0.960 | | |
| CL*100/(CL+S04+HC03+C03) | | | | |
| S04*100/(CL+S04+HC03+C03) | 31.869 | 34.509 | 28.806 | 38.313 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 42.511 | 29.533 | 65.274 | 52.649 |
| (NA+K)*100/(NA+K+CA+MG) | 25.621 | 35.957 | 5.920 | 9.038 |
| CA*100/(NA+K+CA+MG) | 63.841 | 81.662 | 56.844 | 63.247 |
| MG*100/(NA+K+CA+MG) | 5.587 | 15.367 | 40.834 | 35.986 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 30.572 | 2.971 | 2.321 | 0.767 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 74.379 | 64.043 | 94.080 | 90.962 |
| (NA+K)*100/(NA+K+CA+MG) | 25.621 | 35.957 | 5.920 | 9.038 |
| (CA+MG)*100/(NA+K+CA+MG) | 63.841 | 81.662 | 56.844 | 63.247 |
| | 36.159 | 18.338 | 43.156 | 36.753 |

第23-2表 伊豆南部地域水質一覽表(つづき)

| NO | ISC 37 | ISC 38 | ISC 39 | ISC 40 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 51.5 | 62.5 | 52.0 | 59.0 |
| TSM | 420.900 | 747.800 | 426.000 | 539.100 |
| PH(FD) | 8.30 | 8.20 | 8.10 | 8.20 |
| PH(LB) | 7.85 | 8.11 | 7.80 | 8.40 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 7.155 | 0.932 | 0.024 | 0.130 |
| NA | 87.870 | 165.000 | 7.178 | 5.063 |
| NH4 | | | 4.600 | 126.200 |
| CA | 19.680 | 57.970 | 2.893 | 25.770 |
| MG | 1.245 | 3.218 | 1.603 | 0.272 |
| FE | 0.324 | 0.125 | 0.222 | 0.309 |
| MN | | | | 0.011 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | | | 0.200 | |
| CL | 83.650 | 151.300 | 117.900 | 95.130 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.034 | 0.027 | 0.002 | 0.027 |
| S04 | 54.850 | 252.700 | 56.390 | 152.200 |
| S203 | | | | |
| HC03 | 89.120 | 61.320 | 71.670 | 45.610 |
| CO3 | 1.750 | 0.573 | 0.534 | 0.633 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 47.978 | 47.106 | 39.977 | 19.496 |
| H3P04 | 0.004 | | | |
| H3P04 | 3.483 | | | |
| HAS02 | 0.013 | | | |
| CO2 | 1.069 | 0.024 | 0.000 | 0.035 |
| H2S | | 0.929 | 1.377 | 0.990 |
| RN (*E-10 CURTE/L) | | | | |
| NA/K | 20.884 | 301.063 | 29.678 | 42.388 |
| CA/(HC03+CO3) | 0.646 | 2.825 | 1.627 | 1.673 |
| MG/CA | 0.104 | 0.092 | 0.068 | 0.017 |
| NA/CA | 3.882 | 2.481 | 1.800 | 4.269 |
| CL/(HC03+CO3) | 1.553 | 4.168 | 2.789 | 3.491 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 47.000 | 40.443 | 58.427 | 40.531 |
| S04*100/(CL+S04+HC03+CO3) | 22.745 | 49.853 | 20.624 | 47.859 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 30.255 | 9.704 | 20.948 | 11.609 |
| (NA+K)*100/(NA+K+CA+MG) | 78.693 | 69.519 | 63.533 | 81.114 |
| CA*100/(NA+K+CA+MG) | 19.294 | 27.525 | 34.146 | 18.563 |
| MG*100/(NA+K+CA+MG) | 2.013 | 2.556 | 2.322 | 0.323 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 69.745 | 90.296 | 79.052 | 88.391 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 30.255 | 9.704 | 20.948 | 11.609 |
| (NA+K)*100/(NA+K+CA+MG) | 78.693 | 69.519 | 63.533 | 81.114 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.307 | 30.481 | 36.467 | 18.886 |

第 23-2 表 伊豆南部地蔵水質一覽表 (つづき)

| NO | ISC 41 | ISC 42 | ISC 43 | ISC 44 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 45.0 | 56.0 | 54.0 | 49.0 |
| TSM | 250.000 | 789.800 | 774.000 | 787.600 |
| PH(FD) | 8.20 | 8.20 | 7.60 | 7.60 |
| PH(CLB) | 8.00 | 8.06 | - | 7.40 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 3.681 | 7.445 | 0.190 | 8.332 |
| NA | 63.570 | 190.000 | 8.265 | 181.000 |
| NH4 | - | - | - | - |
| CA | 10.190 | 51.840 | 2.587 | 3.878 |
| MG | 1.630 | 1.278 | 0.105 | 0.308 |
| FE | 0.062 | 0.096 | 0.003 | 0.500 |
| MN | - | - | - | 0.018 |
| ZN | - | - | - | 0.120 |
| CU | - | - | - | 0.004 |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 39.350 | 155.400 | 4.384 | 3.000 |
| BR | - | - | - | 0.334 |
| I | - | - | - | 160.000 |
| F | - | - | - | 4.514 |
| OH | 0.027 | 0.027 | 0.002 | - |
| S04 | 60.070 | 254.200 | 5.292 | - |
| S203 | - | - | - | - |
| HCO3 | 76.610 | 63.460 | 1.040 | 300.160 |
| C03 | 0.718 | 0.594 | 0.020 | 45.890 |
| SI02 (MG/KG) (MMOL/KG) | 2.3.589 | 80.322 | 1.337 | 0.752 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | 36.680 |
| HAS02 | 0.014 | - | - | 10.260 |
| C02 | 1.150 | 0.959 | 0.022 | 0.380 |
| H2S | - | - | - | 0.004 |
| RN (*E-10 CURIE/L) | - | - | - | 1.459 |
| NA/K | 29.368 | 43.399 | - | - |
| CA/(HCO3+C03) | 0.397 | 2.441 | 30.045 | 36.942 |
| MG/CA | 0.264 | 0.041 | 1.956 | 3.683 |
| NA/CA | 5.438 | 3.195 | 0.504 | 0.111 |
| CL/(HCO3+C03) | 0.868 | 4.136 | 1.101 | 2.842 |
| CL/F | - | - | 1.601 | 6.001 |
| CL*100/(CL+S04+HCO3+C03) | 30.510 | 40.832 | 30.962 | 39.197 |
| S04*100/(CL+S04+HCO3+C03) | 34.348 | 49.295 | 49.693 | 54.271 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 35.142 | 9.872 | 19.345 | 6.532 |
| (NA+K)*100/(NA+K+CA+MG) | 81.650 | 75.851 | 43.063 | 72.427 |
| CA*100/(NA+K+CA+MG) | 14.519 | 23.206 | 37.849 | 24.813 |
| MG*100/(NA+K+CA+MG) | 3.830 | 0.943 | 19.088 | 2.760 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 64.858 | 90.128 | 80.655 | 93.468 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 35.142 | 9.872 | 19.345 | 6.532 |
| (NA+K)*100/(NA+K+CA+MG) | 81.650 | 75.851 | 43.063 | 72.427 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.350 | 24.149 | 56.937 | 27.573 |

第23-2表 伊豆南部地蔵水質一覧表 (つづき)

| NO | ISC 45 | ISC 46 | ISC 47 | ISC 48 |
|----------------------------------|---------|---------|---------|---------|
| TEMP | 55.0 | 54.0 | 55.5 | 50.0 |
| TSM | 634.200 | 874.000 | 862.500 | 625.400 |
| PH(CFD) | 7.80 | 7.60 | 7.90 | 7.90 |
| PH(LB) | 7.91 | - | 7.00 | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 4.756 | 2.667 | 15.800 | 4.506 |
| NA | 104.700 | 87.107 | 151.500 | 105.100 |
| NH4 | - | - | 0.334 | - |
| CA | 73.030 | 126.152 | 97.480 | 55.070 |
| MG | 9.693 | 37.621 | 0.291 | 2.186 |
| FE | 0.024 | 0.128 | 0.860 | 0.031 |
| MN | TR. | - | 0.167 | 0.006 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | - | - |
| CL | 124.900 | 154.096 | 128.600 | 83.620 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.011 | - | - | 0.014 |
| SO4 | 223.600 | 321.969 | 352.800 | 214.800 |
| S2O3 | - | - | - | - |
| HC03 | 56.620 | 134.038 | 57.650 | 57.480 |
| C03 | 0.209 | 0.007 | 2.197 | 0.945 |
| SI02 (MG/KG)(MMOL/KG) | 16.583 | 78.607 | 42.542 | 0.258 |
| H802 | - | - | - | 0.455 |
| H3P04 | - | - | - | 0.520 |
| HAS02 | 0.009 | 0.139 | 0.001 | 0.012 |
| C02 | 2.136 | 27.104 | 0.017 | 0.032 |
| H2S | - | - | 1.036 | 1.796 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 37.436 | 55.542 | 16.306 | 39.664 |
| CA/(HC03+C03) | 3.898 | 2.865 | 5.148 | 2.891 |
| MG/CA | 0.219 | 0.492 | 0.005 | 0.065 |
| NA/CA | 1.250 | 0.602 | 1.355 | 1.664 |
| CL/(HC03+C03) | 3.769 | 1.979 | 3.839 | 2.481 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 38.661 | 32.815 | 30.440 | 30.313 |
| S04*100/(CL+S04+HC03+C03) | 51.081 | 50.602 | 61.632 | 57.470 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.259 | 16.584 | 7.928 | 12.217 |
| (NA+K)*100/(NA+K+CA+MG) | 51.285 | 29.116 | 58.863 | 61.551 |
| CA*100/(NA+K+CA+MG) | 39.967 | 47.516 | 40.936 | 36.087 |
| MG*100/(NA+K+CA+MG) | 8.748 | 23.368 | 0.202 | 2.362 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 89.741 | 83.416 | 92.072 | 87.783 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 10.259 | 16.584 | 7.928 | 12.217 |
| (NA+K)*100/(NA+K+CA+MG) | 51.285 | 29.116 | 58.863 | 61.551 |
| (CA+MG)*100/(NA+K+CA+MG) | 48.715 | 70.884 | 41.137 | 38.449 |

第23-2表 伊豆南部地域水質一覧表(つづき)

| | ISC 49 | ISC 50 | ISC 51 | ISC 52 |
|----------------------------------|---------|---------|----------|---------|
| NO | 56.0 | 56.2 | 54.0 | 55.0 |
| TEMP | 880.000 | 896.000 | 1061.000 | 924.200 |
| TSM | 7.60 | - | 7.60 | 8.40 |
| PH(FD) | 7.20 | - | 7.20 | 8.50 |
| PH(LE) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 5.128 | 0.131 | 7.316 | 5.407 |
| NA | 159.500 | 6.938 | 177.800 | 105.700 |
| NH4 | - | 4.412 | - | - |
| CA | 87.250 | 93.355 | - | - |
| MG | 2.723 | 121.581 | 130.100 | 153.500 |
| FE | 0.060 | 49.095 | 6.881 | 5.347 |
| MN | 0.150 | 14.560 | 0.720 | 0.179 |
| ZN | - | 0.005 | 0.600 | 0.0 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.000 | 0.111 | - | 0.0 |
| CL | 134.100 | 3.783 | 148.400 | 67.180 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | 0.043 |
| S04 | 340.800 | 7.095 | 471.600 | 498.100 |
| S203 | - | - | - | - |
| HCO3 | 49.150 | 0.806 | 63.300 | 18.890 |
| CO3 | - | - | - | 0.276 |
| STO2 (MG/KG)(MMOL/KG) | 35.080 | 1.425 | 48.120 | 6.409 |
| HB02 | 3.943 | 0.090 | - | - |
| H3PO4 | 0.307 | 0.003 | 0.038 | - |
| HAS02 | - | 0.025 | - | 0.022 |
| CO2 | 2.951 | 0.067 | 3.027 | 0.180 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 52.893 | 35.982 | 41.328 | 33.244 |
| CA/(HCO3+CO3) | 5.405 | 2.487 | 6.257 | 24.026 |
| MG/CA | 0.051 | 0.666 | 0.087 | 0.057 |
| NA/CA | 1.594 | 0.669 | 1.191 | 0.600 |
| CL/(HCO3+CO3) | 4.696 | 2.296 | 4.035 | 5.945 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 32.377 | 35.833 | 27.830 | 15.060 |
| S04*100/(CL+S04+HCO3+CO3) | 60.728 | 48.559 | 65.273 | 82.407 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.895 | 15.607 | 6.897 | 2.533 |
| (NA+K)*100/(NA+K+CA+MG) | 60.696 | 29.227 | 52.881 | 36.899 |
| CA*100/(NA+K+CA+MG) | 37.380 | 42.483 | 43.339 | 59.674 |
| MG*100/(NA+K+CA+MG) | 1.924 | 28.290 | 3.780 | 3.428 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 93.105 | 84.393 | 93.103 | 97.467 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 6.895 | 15.607 | 6.897 | 2.533 |
| (NA+K)*100/(NA+K+CA+MG) | 60.696 | 29.227 | 52.881 | 36.899 |
| (CA+MG)*100/(NA+K+CA+MG) | 39.304 | 70.773 | 47.119 | 63.101 |

第23-2表 伊豆南部地域水質一覧表(つづき)

| | ISC 57 | ISC 58 | ISC 59 | ISC 60 |
|----------------------------------|---------|---------|----------|----------|
| NO | 41.5 | 34.2 | 62.5 | 52.5 |
| TEMP | 230.900 | 427.100 | 1628.000 | 1423.600 |
| TSM | 9.40 | 8.40 | - | 8.30 |
| PH(FD) | 9.30 | 8.20 | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.300 | 0.606 | 7.250 | 0.185 |
| NA | 62.430 | 96.630 | 399.200 | 63.777 |
| NH4 | - | - | - | - |
| CA | 10.100 | 41.480 | 103.400 | 235.719 |
| MG | 0.270 | 5.560 | 1.830 | 94.296 |
| FE | - | 0.146 | 0.125 | 0.054 |
| MN | 0.0 | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | - | 0.031 | 0.008 |
| CL | 13.280 | 31.590 | 170.200 | 82.365 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.425 | 0.043 | - | 1.207 |
| SO4 | 90.870 | 210.400 | 852.600 | 692.811 |
| S2O3 | - | - | - | - |
| HC03 | 51.580 | 49.480 | 15.300 | 161.544 |
| CO3 | 7.734 | 0.462 | 1.944 | 86.100 |
| SI02 (MG/KG)(MMOL/KG) | 16.078 | 4.037 | 21.956 | 45.404 |
| H3PO4 | - | - | - | - |
| HAS02 | 0.097 | 0.525 | 0.021 | - |
| CO2 | 0.071 | 0.748 | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURTE/L) | - | - | - | - |
| NA/K | 353.884 | 271.162 | 93.636 | 67.155 |
| CA/(HC03+CO3) | 0.457 | 2.505 | 16.351 | 2.132 |
| MG/CA | 0.044 | 0.221 | 0.029 | 0.660 |
| NA/CA | 5.388 | 2.031 | 3.366 | 0.236 |
| CL/(HC03+CO3) | 0.340 | 1.078 | 15.215 | 0.421 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 11.850 | 14.614 | 20.996 | 10.436 |
| S04*100/(CL+S04+HC03+CO3) | 53.257 | 71.835 | 77.624 | 64.784 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 34.894 | 13.551 | 1.380 | 24.780 |
| (NA+K)*100/(NA+K+CA+MG) | 83.807 | 62.537 | 76.771 | 12.605 |
| CA*100/(NA+K+CA+MG) | 15.509 | 30.681 | 22.570 | 52.657 |
| MG*100/(NA+K+CA+MG) | 0.684 | 6.782 | 0.659 | 34.738 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 65.106 | 86.449 | 98.620 | 75.220 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 34.894 | 13.551 | 1.380 | 24.780 |
| (NA+K)*100/(NA+K+CA+MG) | 83.807 | 62.537 | 76.771 | 12.605 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.193 | 37.463 | 23.229 | 87.395 |

第 23-2 表 伊豆南部地域水質一覽表 (つづき)

| NO | ISC 61 | ISC 62 | ISC 63 | ISC 64 |
|----------------------------------|---------|---------|----------|---------|
| TEMP | 71.0 | 76.0 | 103.0 | 100.0 |
| TSM | 334.000 | 709.410 | 2180.000 | 649.900 |
| PH(FD) | 8.80 | 8.70 | 8.80 | 7.40 |
| PH(LB) | 9.03 | 8.51 | 8.50 | 6.80 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.143 | 16.730 | 57.440 | 2.134 |
| NA | 87.020 | 209.420 | 647.600 | 169.700 |
| NH4 | | | | |
| CA | 7.641 | 18.840 | 79.100 | 36.190 |
| MG | 0.705 | 0.769 | 2.617 | 0.876 |
| FE | 1.142 | 0.286 | 0.179 | 0.758 |
| MN | | | 0.0 | |
| ZN | | | | |
| CU | 0.100 | | 0.0 | |
| PB | | | | |
| AL | | | | 1.504 |
| CL | 72.310 | 305.200 | 1050.000 | 261.100 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.107 | 0.085 | 0.054 | |
| S04 | 56.880 | 65.690 | 117.000 | 54.070 |
| S203 | | | 0.190 | |
| HC03 | 61.920 | 98.680 | 48.860 | 61.990 |
| C03 | 2.325 | 2.911 | 0.900 | |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 16.200 | 24.351 | 82.302 | 39.434 |
| H3P04 | | | | |
| HAS02 | 0.008 | 0.194 | 0.007 | |
| C02 | 0.330 | 0.475 | 0.374 | |
| H2S | | | 0.023 | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 69.053 | 21.287 | 19.173 | 135.231 |
| CA/(HC03+C03) | 0.349 | 0.548 | 4.751 | 1.777 |
| MG/CA | 0.152 | 0.067 | 0.055 | 0.040 |
| NA/CA | 9.928 | 9.690 | 7.137 | 4.088 |
| CL/(HC03+C03) | 1.867 | 5.022 | 35.652 | 7.250 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 47.258 | 73.639 | 90.067 | 77.473 |
| SD4*100/(CL+S04+HC03+C03) | 27.435 | 11.698 | 7.407 | 11.841 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 25.307 | 14.663 | 2.526 | 10.687 |
| (NA+K)*100/(NA+K+CA+MG) | 89.735 | 90.481 | 87.686 | 79.838 |
| CA*100/(NA+K+CA+MG) | 8.910 | 8.919 | 11.677 | 19.388 |
| MG*100/(NA+K+CA+MG) | 1.356 | 0.600 | 0.637 | 0.774 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 74.693 | 85.337 | 97.474 | 89.313 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 25.307 | 14.663 | 2.526 | 10.687 |
| (NA+K)*100/(NA+K+CA+MG) | 89.735 | 90.481 | 87.686 | 79.838 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.265 | 9.519 | 12.314 | 20.162 |

第 23-2 表 伊豆南部地域水質一覧表 (つづき)

| | ISC 69 | ISC 70 | ISC 71 | ISC 72 |
|----------------------------------|---------|---------|---------|---------|
| NO | 65.0 | 63.0 | 76.0 | 73.0 |
| TEMP | 761.500 | 797.100 | 891.400 | 864.600 |
| TSM | 7.00 | 7.20 | 7.20 | 7.20 |
| PH(FD) | 7.00 | 7.10 | 7.30 | 7.10 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 14.110 | 0.361 | 3.761 | 3.641 |
| NA | 187.500 | 8.156 | 198.612 | 192.901 |
| NH4 | 0.0 | | | |
| CA | 25.560 | 1.275 | 54.700 | 57.400 |
| MG | 2.291 | 0.189 | 8.685 | 5.714 |
| FE | 0.145 | 0.005 | 0.400 | 0.800 |
| MN | 0.120 | 0.004 | 0.015 | |
| ZN | | | | |
| CU | 0.0 | | | |
| PB | | | | |
| AL | TR. | | 0.600 | 0.400 |
| CL | 247.100 | 6.971 | 337.100 | 287.800 |
| BR | | 279.200 | 7.876 | |
| I | | | | |
| F | | | | |
| OH | 0.0 | 0.003 | 0.000 | |
| S04 | 106.400 | 1.932 | 121.900 | 126.400 |
| S203 | | | | |
| HCO3 | 53.780 | 0.881 | 15.310 | 68.564 |
| CO3 | 0.029 | 0.001 | | |
| SI02 (MG/KG) (MMOL/KG) | 45.466 | 0.757 | 77.416 | 79.355 |
| HR02 | | | | |
| H3P04 | | | | |
| HAS02 | | 0.022 | | |
| CO2 | 31.170 | 16.140 | | |
| H2S | | | | |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 22.598 | 19.939 | 89.803 | 90.095 |
| CA/(HCO3+CO3) | 1.445 | 1.341 | 10.878 | 2.549 |
| MG/CA | 0.148 | 0.534 | 0.262 | 0.164 |
| NA/CA | 6.395 | 6.700 | 3.165 | 2.930 |
| CL/(HCO3+CO3) | 7.900 | 8.007 | 37.897 | 7.225 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 69.234 | 72.982 | 77.323 | 68.373 |
| S04*100/(CL+S04+HCO3+CO3) | 22.002 | 17.903 | 20.636 | 22.163 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.764 | 9.115 | 2.040 | 9.464 |
| (NA+K)*100/(NA+K+CA+MG) | 85.333 | 84.065 | 71.722 | 71.787 |
| CA*100/(NA+K+CA+MG) | 12.779 | 11.948 | 22.410 | 24.235 |
| MG*100/(NA+K+CA+MG) | 1.869 | 3.987 | 5.868 | 3.978 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.236 | 90.885 | 97.960 | 90.536 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.764 | 9.115 | 2.040 | 9.464 |
| (NA+K)*100/(NA+K+CA+MG) | 85.333 | 84.065 | 71.722 | 71.787 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.667 | 15.935 | 28.278 | 28.213 |

第23-2表 伊豆南部地域水質一覽表 (つづき)

| | ISC 73 | ISC 74 | ISC 75 | ISC 76 |
|----------------------------------|----------|---------|----------|---------|
| NO | 100.0 | 45.2 | 100.0 | - |
| TEMP | 2035.200 | 481.200 | 1396.000 | 385.600 |
| TSM | 8.60 | 8.00 | 8.60 | 8.30 |
| PH(FD) | - | 8.30 | 8.60 | 8.20 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 4.816 | 8.000 | 41.250 | 28.000 |
| NA | 387.425 | 111.500 | 327.600 | 81.430 |
| NH4 | - | - | - | - |
| CA | 56.430 | 16.190 | 48.220 | 17.550 |
| MG | 127.825 | 10.519 | 1.525 | 1.067 |
| FE | 0.558 | 2.745 | 0.325 | 0.150 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.010 | 0.062 | 0.150 | 0.168 |
| CL | 524.734 | 62.570 | 518.004 | 113.900 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.578 | 0.034 | - | - |
| S04 | 640.944 | 151.900 | 104.496 | 47.330 |
| S203 | - | - | 0.002 | 0.000 |
| HCO3 | 161.799 | 71.410 | 54.920 | 63.750 |
| CO3 | 5.460 | 0.192 | - | - |
| SI02 (MG/KG)(MMOL/KG) | 122.311 | 37.157 | 93.932 | 26.187 |
| HB02 | - | - | 1.564 | 0.436 |
| H3P04 | - | - | - | - |
| HAS02 | - | 0.023 | 0.009 | - |
| CO2 | - | 3.689 | - | 0.527 |
| H2S | - | - | - | - |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 78.440 | 23.701 | 13.505 | 4.946 |
| CA/(HCO3+CO3) | 0.984 | 0.690 | - | 0.838 |
| MG/CA | 3.736 | 0.280 | 0.052 | 0.100 |
| NA/CA | 6.140 | 6.004 | 5.923 | 4.045 |
| CL/(HCO3+CO3) | 5.224 | 1.508 | - | 3.075 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 47.780 | 28.945 | - | 61.279 |
| S04*100/(CL+S04+HCO3+CO3) | 43.073 | 51.862 | - | 18.793 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.147 | 19.193 | - | 19.927 |
| (NA+K)*100/(NA+K+CA+MG) | 56.766 | 83.021 | 85.807 | 81.548 |
| CA*100/(NA+K+CA+MG) | 9.130 | 13.269 | 13.489 | 16.770 |
| MG*100/(NA+K+CA+MG) | 34.104 | 3.710 | 0.704 | 1.681 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 90.853 | 80.807 | - | 80.073 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 9.147 | 19.193 | - | 19.927 |
| (NA+K)*100/(NA+K+CA+MG) | 56.766 | 83.021 | 85.807 | 81.548 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.234 | 16.979 | 14.193 | 18.452 |

第23-2表 伊豆南部地域水質一覧表 (つづき)

| NO | ISC 77 | ISC 78 | ISC 79 |
|----------------------------------|---------|---------|----------|
| TEMP | 75.0 | 38.0 | 38.2 |
| TSM | 998.300 | 320.600 | 3528.000 |
| PH(FD) | 7.30 | 8.00 | 8.00 |
| PH(LB) | 7.80 | 7.00 | 7.30 |
| H (MG/KG) (MVAL/KG) | - | - | - |
| K | 5.250 | 0.134 | 1.520 |
| NA | 201.800 | 2.524 | 59.410 |
| NH4 | - | 86.740 | 39.246 |
| CA | 91.530 | 0.567 | 184.700 |
| MG | 3.661 | 0.301 | 59.520 |
| FE | 0.150 | 0.044 | 0.097 |
| MN | - | 0.005 | 0.003 |
| ZN | - | - | - |
| CU | - | - | - |
| PB | - | - | 0.032 |
| AL | 0.768 | 0.085 | 0.001 |
| CL | - | 0.227 | - |
| BR | 301.500 | 73.940 | 1627.000 |
| I | - | 0.264 | - |
| F | - | - | - |
| OH | - | 0.017 | - |
| S04 | 201.700 | 38.690 | 276.900 |
| S203 | - | - | - |
| HCO3 | 71.150 | 1.166 | 193.300 |
| CO3 | - | 0.621 | 1.140 |
| SI02 (MG/KG) (MMOL/KG) | 57.913 | 18.546 | 96.348 |
| HB02 | - | - | - |
| H3P04 | - | - | - |
| HAS02 | 0.072 | 0.192 | 0.362 |
| CO2 | 10.010 | 3.231 | 0.076 |
| H2S | - | - | 4.647 |
| RN (*F-10 CURIE/L) | - | - | - |
| NA/K | 65.366 | 58.441 | 25.825 |
| CA/(HCO3+CO3) | 3.917 | 0.402 | 2.875 |
| MG/CA | 0.066 | - | 0.531 |
| NA/CA | 1.922 | 5.826 | 4.258 |
| CL/(HCO3+CO3) | 7.294 | 1.296 | 14.315 |
| CL/F | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 61.313 | 45.343 | 83.650 |
| S04*100/(CL+S04+HCO3+CO3) | 30.275 | 17.897 | 10.507 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 8.407 | 35.760 | 5.843 |
| (NA+K)*100/(NA+K+CA+MG) | 64.672 | - | 74.281 |
| CA*100/(NA+K+CA+MG) | 33.142 | - | 16.794 |
| MG*100/(NA+K+CA+MG) | 2.136 | - | 8.925 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 91.593 | 64.240 | 94.157 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 5.407 | 35.760 | 5.843 |
| (NA+K)*100/(NA+K+CA+MG) | 64.672 | - | 74.281 |
| (CA+MG)*100/(NA+K+CA+MG) | 35.328 | - | 25.719 |

第23-1図 試料採取地（伊豆南部全域）

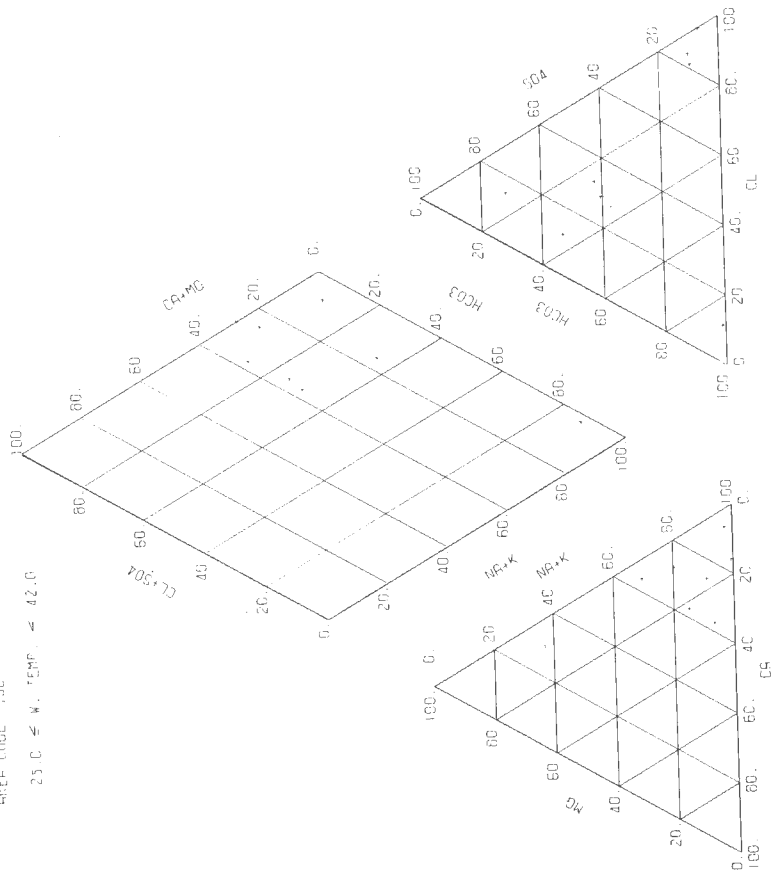


第23-2図 伊豆南部地域水質組成図 (その1) (水温25℃以上42℃未満)

SOUTHERN 120

AREA CODE 15C

25.0 ≤ W. TEMP. < 42.0

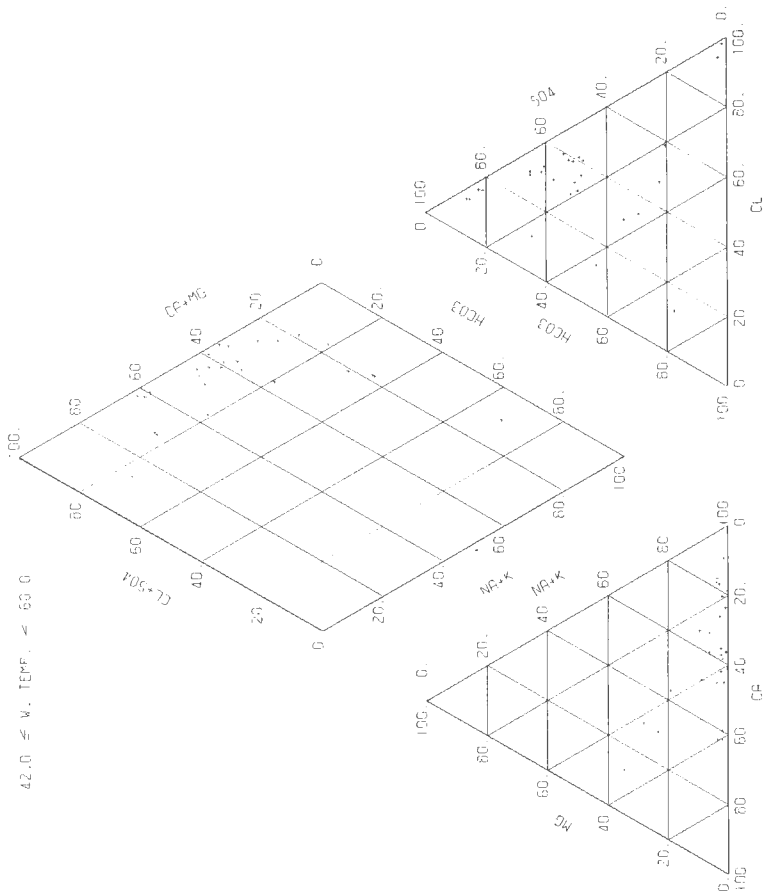


第23-2図 伊豆南部地域水質組成図 (その2) (水温42℃以上60℃未満)

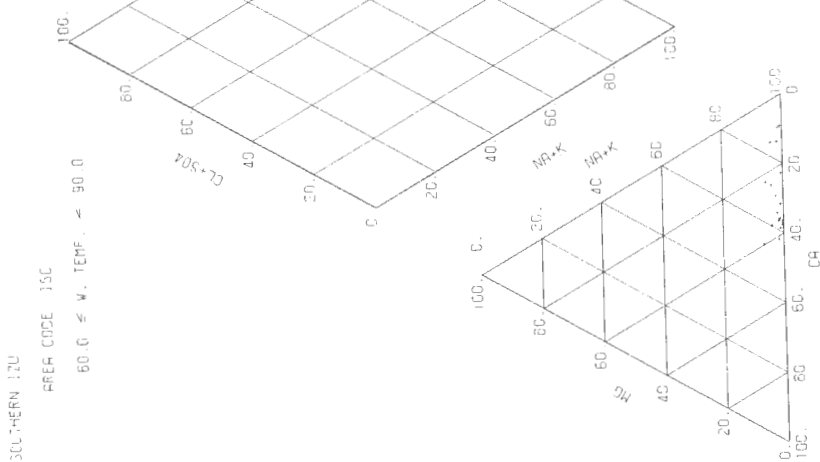
SOUTHERN 120

AREA CODE 15C

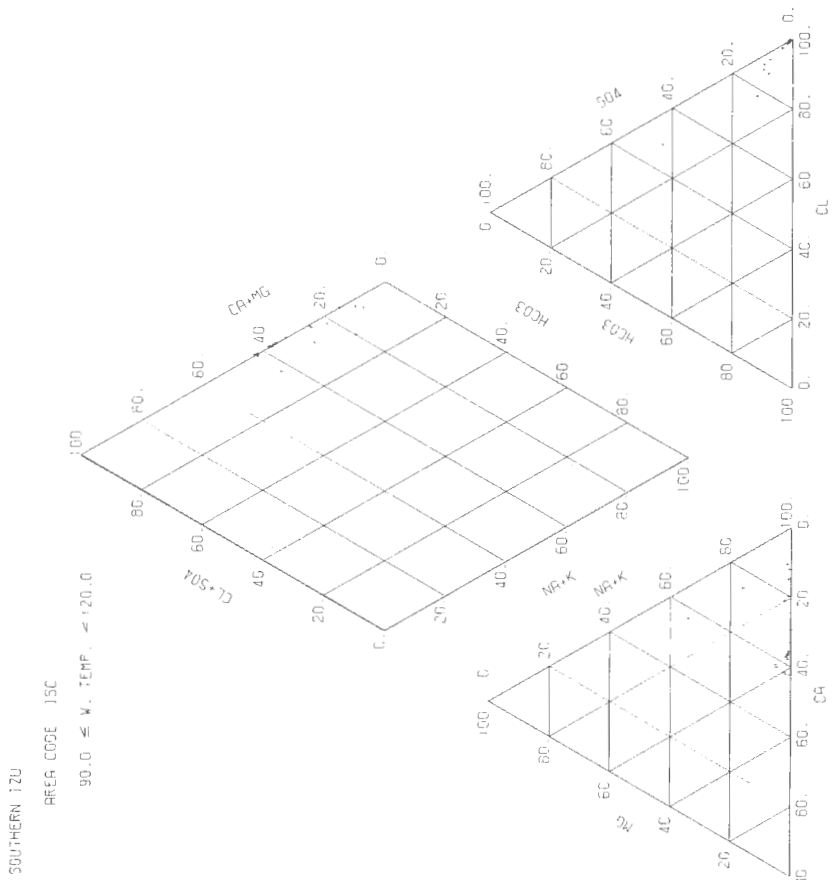
42.0 ≤ W. TEMP. < 60.0



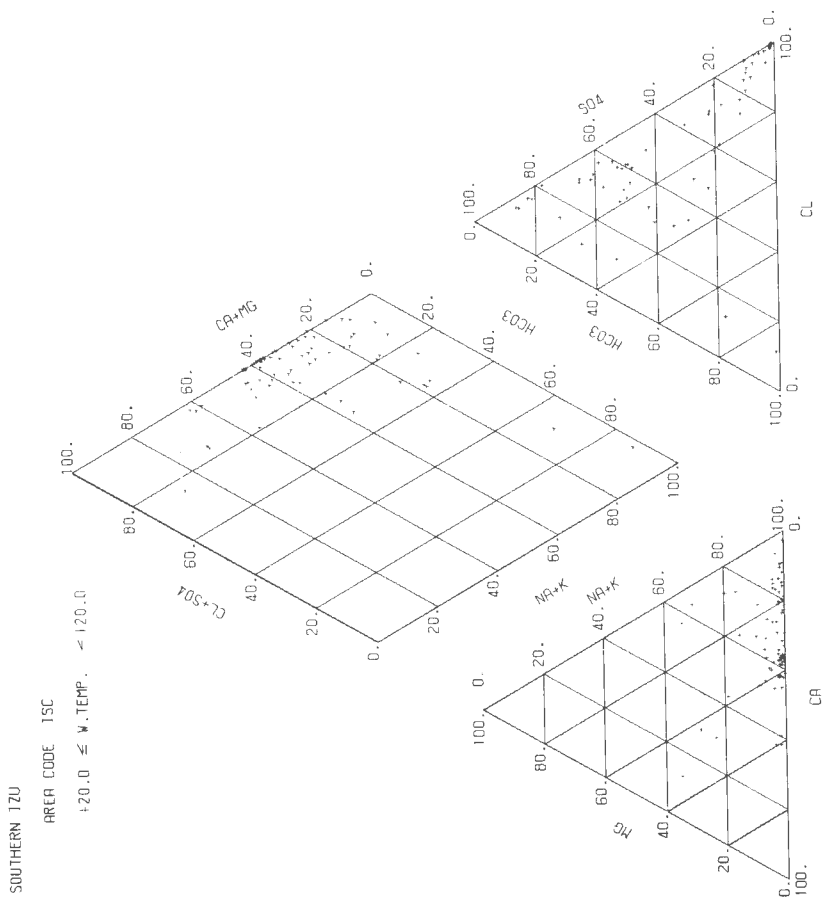
第 23-2 図 伊豆南部地域水質組成図 (その 3) (水温60℃以上90℃未満)



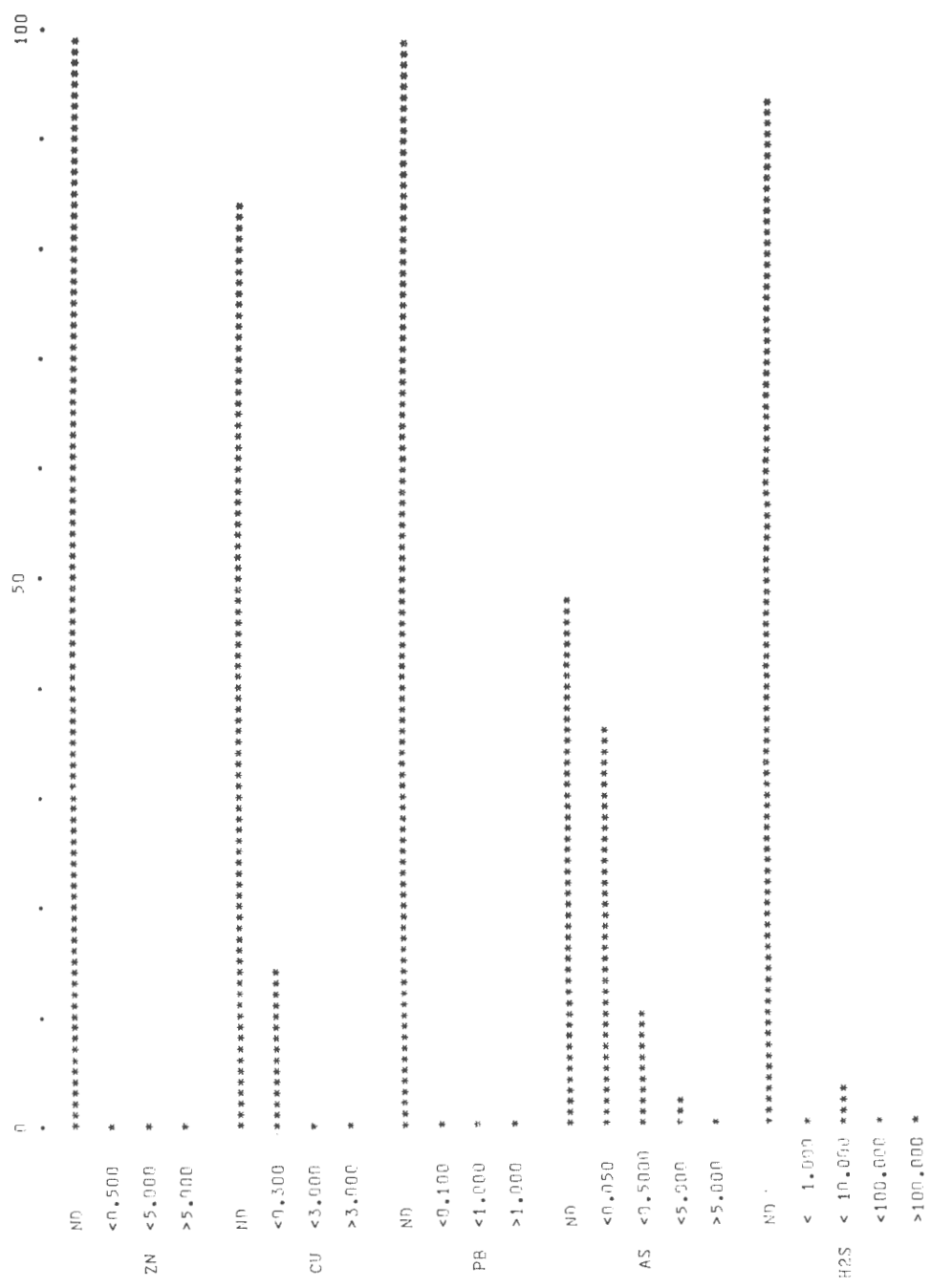
第 23-2 図 伊豆南部地域水質組成図 (その 4) (水温90℃以上120℃未満)



第 23-2 図 伊豆南部地域が質組成図 (その 5) (全試料)



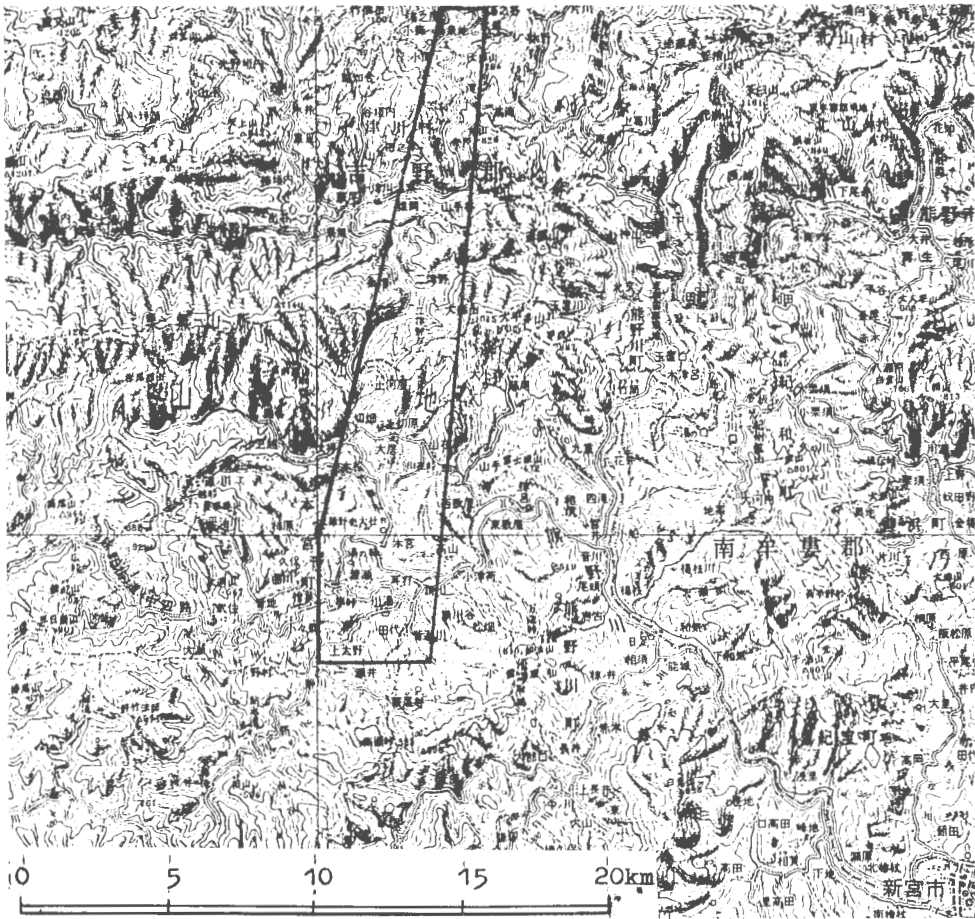
第28-3図 伊豆南部地域特定成分含量の頻度分布図
FREQUENCY DIAGRAM



24. 紀伊山地 Kii mountain area

| | |
|-------|---|
| 位置 | 奈良県吉野郡十津川村, 和歌山県東牟婁郡本宮町 |
| データ数 | 24 |
| 収集・整理 | 比留川 貴 |
| 協力 | 奈良県厚生部環境衛生課, 同吉野郡十津川村, 和歌山県衛生部薬務課, 同東牟婁郡本宮町 |

調査位置図 (20万分の1地勢図 田辺)



第24-1表 紀伊山地地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉地 | 湯名 | 源泉名 | 源泉地 | 報告年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|-------------------------|-------------------------|-----|-----|----|-----|-----|----------------|-------|-----------|---------------|
| KIC-1 | 奈良県吉野郡十津川村武蔵706の1 | 湯 | 湯 | 湯 | 湯 | 湯 | 湯 | 1956. 9. 18 | 46 | | Q=30l/m, F |
| "-2 | " " " " " " " " " " " " | 十津川 | 下 | 川 | 湯 | 下 | 湯 | (1959. 11. 13) | " | | D=156m, F |
| "-3 | 和歌山県東牟婁郡本宮町湯の峯温水113地先 | 湯 | 湯 | 湯 | 湯 | 湯 | 湯 | 1965. 12. 13 | 74 | 351 | D=0 m, F |
| "-4 | " " " " " " " " " " " " | " | " | " | " | " | " | " 12. 13 | " | 350 | D=0 m, F |
| "-5 | " " " " " " " " " " " " | " | " | " | " | " | " | 1955. 12. 10 | " | 56 | D=0 m, F |
| "-6 | " " " " " " " " " " " " | 温水 | 壺 | 湯 | 湯 | 湯 | 湯 | 1965. 12. 13 | " | 347 | D=0 m, F |
| "-7 | " " " " " " " " " " " " | " | " | " | " | " | " | 1956. 10. 9 | " | 194 | D=0 m, F |
| "-8 | " " " " " " " " " " " " | 129の1 | 環 | 湯 | 湯 | 湯 | 湯 | 1955. 5. 4 | " | 46 | D=0 m, F |
| "-9 | " " " " " " " " " " " " | 107地先 | 壺 | 湯 | 湯 | 湯 | 湯 | 1965. 12. 13 | " | 348 | D=0 m, F |
| "-10 | " " " " " " " " " " " " | 温水107地先 | 峯 | 湯 | 湯 | 湯 | 湯 | 1955. 5. 4 | " | 47 | D=0 m, F |
| "-11 | " " " " " " " " " " " " | 113 | 光 | 湯 | 湯 | 湯 | 湯 | " 11. 1 | " | | D=0 m, F |
| "-12 | " " " " " " " " " " " " | 102 | 姫 | 湯 | 湯 | 湯 | 湯 | 1955. 5. 4 | " | | D=0 m, F |
| "-13 | " " " " " " " " " " " " | 110 | 小 | 湯 | 湯 | 湯 | 湯 | (1955. 1. 12) | " | | Q=30l/m, F |
| "-14 | " " " " " " " " " " " " | 垣内327 | 金 | 湯 | 湯 | 湯 | 湯 | 1961. 10. 9 | " | 195 | Q=180l/m, F |
| "-15 | " " " " " " " " " " " " | 温水110 | 比 | 湯 | 湯 | 湯 | 湯 | 1965. 12. 13 | " | 349 | Q=30l/m, F |
| "-16 | " " " " " " " " " " " " | 渡瀬須久茂48 | 温 | 湯 | 湯 | 湯 | 湯 | (1974. 2. 14) | " | 532 | Q=20l/m, F |
| "-17 | " " " " " " " " " " " " | " " " " " " " " " " " " | 林 | 湯 | 湯 | 湯 | 湯 | (1968. 1. 10) | " | | Q=27. 2l/m, F |
| "-18 | " " " " " " " " " " " " | 田代板垣内354の5 | 木 | 湯 | 湯 | 湯 | 湯 | (1971. 9. 27) | " | 487 | Q=35. 5l/m, P |
| "-19 | " " " " " " " " " " " " | 13 | 浦 | 湯 | 湯 | 湯 | 湯 | 1966. 11. 1 | " | 342 | Q=185l/m, P |
| "-20 | " " " " " " " " " " " " | 1 | し | 湯 | 湯 | 湯 | 湯 | 1962. 9. 15 | " | 229 | Q=31. 6l/m, P |
| "-21 | " " " " " " " " " " " " | 皆瀬川1399 | 銚 | 湯 | 湯 | 湯 | 湯 | 1957. 2. 10 | " | 91 | Q=142l/m, P |
| "-22 | " " " " " " " " " " " " | 1423 | 共 | 湯 | 湯 | 湯 | 湯 | 1961. 3. 25 | " | 182 | Q=9l/m, P |
| "-23 | " " " " " " " " " " " " | 川湯 | 中 | 湯 | 湯 | 湯 | 湯 | (1954. 10. 7) | " | 33 | Q=192l/m, P |
| "-24 | " " " " " " " " " " " " | 1434 | か | 湯 | 湯 | 湯 | 湯 | (" 11. 11) | " | 35 | Q=364l/m, P |
| "-24 | " " " " " " " " " " " " | 1452 | 富 | 湯 | 湯 | 湯 | 湯 | (" 11. 11) | " | 34 | Q=100l/m, P |

温泉名の()は角(1975)に記載されていないもの、報告年月日の()は採水年月日、備考のDは深度(m)、Qは湧(出)水量(l/m)、Fは自噴、Pはポンプ揚水、D=0 m... Fは自然湧出を示す。

第24-2表 紀伊山地地咸水質一覽表

| NO | KIC | | | |
|----------------------------------|---------|----------|----------|----------|
| | 1 | 2 | 3 | 4 |
| TFMP | 55.5 | 54.0 | 89.0 | 86.0 |
| TSM | 256,000 | 1408,500 | 1623,000 | 1162,000 |
| PH(FD) | - | 7.30 | - | - |
| PH(LR) | 7.60 | 7.30 | 7.00 | 6.90 |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 7.038 | 0.180 | 25.810 | 65.580 |
| NA | 67.940 | 2.955 | 366.400 | 361.800 |
| NH4 | - | 5.670 | 0.145 | 0.660 |
| CA | 8.500 | 465.000 | 20.228 | 15.938 |
| MG | 0.655 | 1.533 | 0.085 | - |
| FE | 1.626 | 25.790 | 1.287 | 31.260 |
| MN | - | - | 17.630 | 18.970 |
| ZN | - | 0.629 | 0.023 | 0.001 |
| CU | - | - | 0.028 | 0.038 |
| PB | - | - | - | - |
| AL | 0.250 | 0.265 | 0.170 | 0.250 |
| CL | 18.080 | 157.800 | 194.200 | 335.100 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | 0.003 | - | - |
| OH | 67.390 | 0.000 | 19.180 | 32.680 |
| S04 | - | 1.403 | - | - |
| S203 | - | - | - | - |
| HC03 | 99.030 | 17.636 | 10.231 | 578.600 |
| C03 | - | 0.636 | 4.576 | 6.784 |
| SI02 (MG/KG)(MMOL/KG) | 28.003 | 0.466 | 202.466 | 137.497 |
| HS02 | - | - | - | 3.371 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 2.108 | 0.048 | 150.200 | 142.800 |
| H2S | 7.874 | 0.231 | 0.583 | 7.714 |
| RN (*F-10 CURIE/L) | - | - | - | - |
| NA/K | 16.416 | 139.463 | 24.141 | 9.382 |
| CA/(HC03+C03) | 0.264 | 0.073 | 0.085 | 0.161 |
| MG/CA | 0.126 | - | 1.001 | 1.001 |
| NA/CA | 6.903 | 15.718 | 18.117 | 10.089 |
| CL/(HC03+C03) | 0.314 | 0.252 | 0.528 | 0.974 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 14.423 | - | 33.691 | 47.640 |
| S04*100/(CL+S04+HC03+C03) | 39.677 | - | 2.456 | 3.429 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 45.900 | - | 63.854 | 48.931 |
| (NA+K)*100/(NA+K+CA+MG) | 86.675 | - | 90.412 | 84.803 |
| CA*100/(NA+K+CA+MG) | 11.835 | - | 4.792 | 7.596 |
| MG*100/(NA+K+CA+MG) | 1.490 | - | 4.796 | 7.601 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 54.100 | - | 36.146 | 51.069 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 45.900 | - | 63.854 | 48.931 |
| (NA+K)*100/(NA+K+CA+MG) | 86.675 | - | 90.412 | 84.803 |
| (CA+MG)*100/(NA+K+CA+MG) | 13.325 | - | 9.588 | 15.197 |

第24-2表 紀伊山地地域水質一覽表(つづき)

| | KIC 5 | KIC 6 | KIC 7 | KIC 8 |
|----------------------------------|----------|----------|----------|----------|
| NO | 88.0 | 90.5 | 93.0 | 91.0 |
| TEMP | 1602.000 | 1379.000 | 1312.000 | 1916.000 |
| TSM | 7.00 | 6.80 | 7.60 | 7.00 |
| PH(FD) | | | | |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 5.212 | 20.140 | 41.180 | 56.460 |
| NA | 437.840 | 338.400 | 425.800 | 422.490 |
| NH4 | | | | |
| CA | 27.096 | 32.060 | 10.070 | 71.700 |
| MG | 6.240 | 19.460 | 1.801 | 9.610 |
| FE | | 0.104 | 0.075 | |
| MN | | | 0.440 | |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | TR. | 0.209 | 1.059 | 0.300 |
| CL | 276.600 | 259.200 | 108.400 | 296.500 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 121.810 | 21.730 | 10.490 | 106.200 |
| S203 | | | | |
| HC03 | 648.400 | 530.800 | 983.600 | 797.900 |
| CO3 | | 20.140 | 21.300 | |
| ST02 (MG/KG)(MMOL/KG) | 59.021 | 154.601 | 119.893 | 117.811 |
| H802 | | | 41.045 | |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 60.720 | 204.600 | 48.420 | 8.710 |
| H2S | 2.320 | 26.926 | 8.521 | 5.528 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 142.856 | 28.573 | 17.584 | 12.725 |
| CA/(HC03+CO3) | 0.127 | 0.171 | 0.030 | 0.274 |
| MG/CA | 0.380 | 1.001 | 0.311 | 0.221 |
| NA/CA | 14.032 | 9.201 | 36.861 | 5.137 |
| CL/(HC03+CO3) | 0.734 | 0.780 | 0.182 | 0.640 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 37.216 | 42.672 | 15.208 | 35.362 |
| S04*100/(CL+S04+HC03+CO3) | 12.096 | 2.640 | 1.086 | 9.348 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.688 | 54.688 | 83.706 | 55.289 |
| (NA+K)*100/(NA+K+CA+MG) | 91.137 | 82.637 | 96.744 | 81.941 |
| CA*100/(NA+K+CA+MG) | 6.423 | 8.677 | 2.483 | 14.790 |
| MG*100/(NA+K+CA+MG) | 2.440 | 8.886 | 0.773 | 3.269 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 49.312 | 45.312 | 16.294 | 44.711 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 50.688 | 54.688 | 83.706 | 55.289 |
| (NA+K)*100/(NA+K+CA+MG) | 91.137 | 82.637 | 96.744 | 81.941 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.863 | 17.363 | 3.256 | 18.059 |

第24-2表 紀伊山地地域水質一覽表(つづき)

| NO | KIC 9 | | KIC 10 | | KIC 11 | | KIC 12 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 90.5 | 88.0 | 90.0 | 88.0 | 90.0 | 88.0 | 90.0 | 88.0 |
| TEMP | 1925.000 | 1530.000 | 1508.640 | 1530.000 | 1508.640 | 1530.000 | 1530.000 | 1530.000 |
| TSM | 7.10 | 7.00 | 7.80 | 7.00 | 7.80 | 7.00 | 7.00 | 7.00 |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 27.690 | 0.708 | 10.900 | 26.050 | 0.666 | 0.279 | 26.050 | 0.666 |
| NA | 463.600 | 20.167 | 355.300 | 332.260 | 14.453 | 15.456 | 332.260 | 14.453 |
| NH4 | | | | | | | | |
| CA | 30.460 | 1.520 | 32.143 | 65.100 | 3.248 | 1.604 | 65.100 | 3.248 |
| MG | 18.480 | 1.521 | 22.891 | 9.830 | 0.809 | 1.884 | 9.800 | 0.806 |
| FE | 0.134 | 0.005 | | | | | | |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.264 | 0.029 | TR. | 0.200 | 0.022 | | 0.200 | 0.022 |
| CL | 317.200 | 8.948 | 232.860 | 110.300 | 3.112 | 6.569 | 110.300 | 3.112 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| SO4 | 18.970 | 0.395 | 41.808 | 132.500 | 2.759 | 0.870 | 132.500 | 2.759 |
| SO3 | | | | | | | | |
| HC03 | 855.500 | 14.022 | 712.270 | 852.500 | 13.972 | 11.674 | 852.500 | 13.972 |
| CO3 | 12.350 | 0.412 | | | | | | |
| ST02 (MG/KG)(MMOL/KG) | 145.500 | 2.423 | 80.130 | 162.015 | 2.698 | 1.334 | 162.015 | 2.698 |
| HB02 | | | | | | | | |
| H3P04 | | | | | | | | |
| HAS02 | | | | | | | | |
| CO2 | 153.100 | 3.478 | 30.530 | 34.890 | 0.793 | 0.694 | 34.890 | 0.793 |
| H2S | 7.705 | 0.226 | 5.940 | 9.350 | 0.274 | 0.174 | 9.350 | 0.274 |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | 28.471 | | 55.432 | 21.690 | | | 21.690 | |
| CA/(HC03+CO3) | 0.105 | | 0.137 | 0.232 | | | 0.232 | |
| MG/CA | 1.001 | | 1.174 | 0.249 | | | 0.248 | |
| NA/CA | 13.268 | | 9.636 | 4.449 | | | 4.449 | |
| CL/(HC03+CO3) | 0.620 | | 0.563 | 0.223 | | | 0.223 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 37.635 | | 34.368 | 15.681 | | | 15.681 | |
| SO4*100/(CL+S04+HC03+CO3) | 1.561 | | 4.554 | 13.903 | | | 13.903 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 60.704 | | 61.078 | 70.416 | | | 70.416 | |
| (NA+K)*100/(NA+K+CA+MG) | 87.236 | | 81.856 | 78.842 | | | 78.853 | |
| CA*100/(NA+K+CA+MG) | 6.355 | | 8.344 | 16.939 | | | 16.942 | |
| MG*100/(NA+K+CA+MG) | 6.359 | | 9.800 | 4.218 | | | 4.206 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 39.296 | | 38.922 | 29.584 | | | 29.584 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 60.704 | | 61.078 | 70.416 | | | 70.416 | |
| (NA+K)*100/(NA+K+CA+MG) | 87.236 | | 81.856 | 78.842 | | | 78.853 | |
| (CA+MG)*100/(NA+K+CA+MG) | 12.714 | | 18.144 | 21.158 | | | 21.147 | |

第24-2表 紀伊山地地域水質一覽表 (つづき)

| | KIC 13 | KIC 14 | KIC 15 | KIC 16 |
|----------------------------------|----------|----------|---------|----------|
| NO | 85.0 | 88.5 | 46.0 | 72.0 |
| TEMP | 1381.000 | 1459.000 | 155.300 | 1030.000 |
| TSM | — | — | 6.00 | — |
| PH(FD) | 6.80 | 6.80 | 8.40 | 8.20 |
| PH(LB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | 38.660 | 20.930 | 0.535 | 0.040 |
| NA | 324.900 | 417.300 | 12.153 | 322.500 |
| NH4 | — | — | — | — |
| CA | 19.450 | 31.260 | 1.560 | 16.980 |
| MG | 1.854 | 18.970 | 1.561 | 4.882 |
| FF | 0.204 | 0.045 | 0.002 | — |
| MN | 0.256 | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | 0.003 | — |
| AL | 1.872 | 0.129 | 0.014 | — |
| CL | 108.000 | 381.000 | 10.748 | 169.600 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | 0.0 | — |
| S04 | 9.729 | 20.270 | 0.422 | — |
| S203 | — | — | 0.003 | — |
| HC03 | 801.200 | 544.800 | 8.929 | 702.300 |
| C03 | — | 5.791 | 0.193 | 7.087 |
| SI02 (MG/KG) (MMOL/KG) | 103.196 | 125.676 | 2.093 | 62.008 |
| HB02 | 42.313 | — | — | 5.053 |
| H3P04 | — | — | — | — |
| HAS02 | — | — | — | — |
| C02 | 187.800 | 214.700 | 4.878 | — |
| H2S | 8.963 | 6.441 | 0.189 | — |
| RN (*E-10 CURT/L) | — | — | — | — |
| NA/K | 14.291 | 33.905 | 26.618 | 24.375 |
| CA/(HC03+C03) | 0.074 | 0.171 | 0.433 | 0.072 |
| MG/CA | 0.157 | 1.001 | 0.409 | 0.474 |
| NA/CA | 14.562 | 11.637 | 1.400 | 16.557 |
| CL/(HC03+C03) | 0.232 | 1.178 | 0.128 | 0.407 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 18.599 | 52.966 | 9.426 | — |
| S04*100/(CL+S04+HC03+C03) | 1.237 | 2.080 | 16.961 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 80.164 | 44.954 | 73.613 | — |
| (NA+K)*100/(NA+K+CA+MG) | 93.086 | 85.690 | 50.755 | 92.121 |
| CA*100/(NA+K+CA+MG) | 5.974 | 7.152 | 34.941 | 5.345 |
| MG*100/(NA+K+CA+MG) | 0.939 | 7.158 | 14.304 | 2.534 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 19.836 | 55.046 | 26.387 | — |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 30.164 | 44.954 | 73.613 | — |
| (NA+K)*100/(NA+K+CA+MG) | 93.086 | 85.690 | 50.755 | 92.121 |
| (CA+MG)*100/(NA+K+CA+MG) | 6.914 | 14.310 | 49.245 | 7.679 |

第 24-3 表 紀伊山地域特定成分含量の頻度分布表

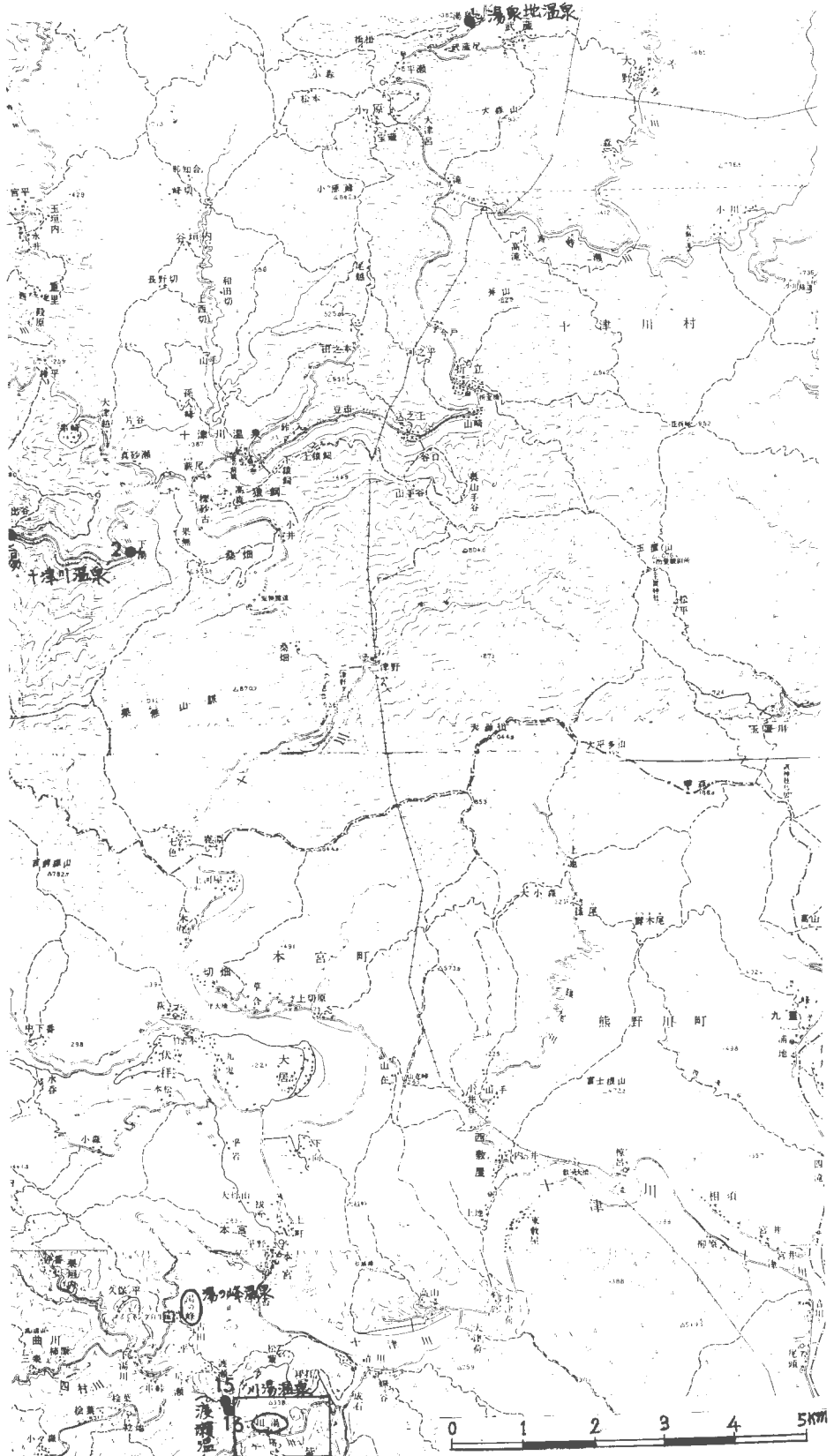
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 24 | 100.0 | ND | 23 | 95.8 |
| <0.500 | 0 | 0. | <0.300 | 1 | 4.2 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 24 | 100.0 | TOTAL | 24 | 100.0 |

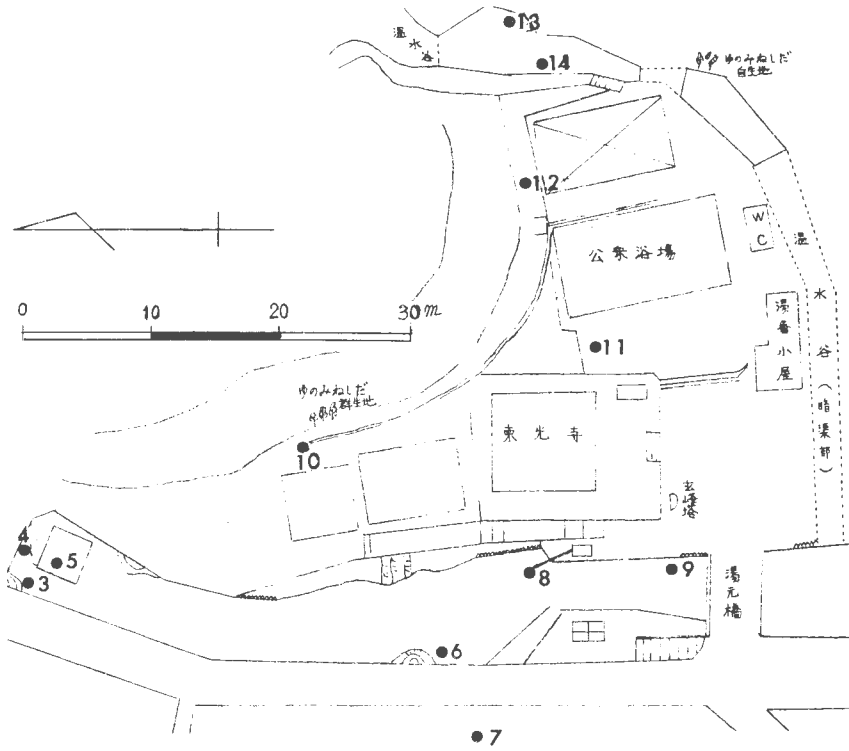
| PB | N | F(%) | AS | N | F(%) |
|--------|----|-------|--------|----|-------|
| ND | 24 | 100.0 | ND | 24 | 100.0 |
| <0.100 | 0 | 0. | <0.050 | 0 | 0. |
| <1.000 | 0 | 0. | <0.500 | 0 | 0. |
| >1.000 | 0 | 0. | <5.000 | 0 | 0. |
| TOTAL | 24 | 100.0 | >5.000 | 0 | 0. |

| H2S | N | F(%) | N= NUMBER OF SAMPLES |
|----------|----|-------------------------------|----------------------|
| ND | 6 | 25.0 <th>F= FREQUENCY(%)</th> | F= FREQUENCY(%) |
| < 1.000 | 2 | 8.3 | |
| < 10.000 | 15 | 62.5 | |
| <100.000 | 1 | 4.2 | |
| >100.000 | 0 | 0. | |
| TOTAL | 24 | 100.0 | |

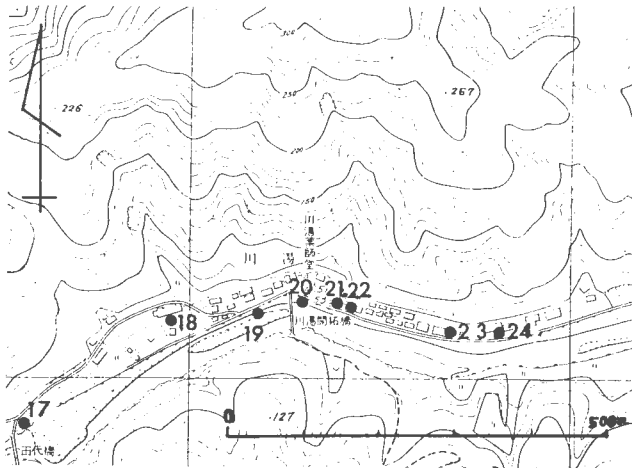
第 24-1 図 紀伊山地における温泉の分布および試料採取地（温泉地，下湯温泉）



第 24-2 図 試料採取地（湯の峯温泉）



第 24-3 図 試料採取地（川湯温泉）

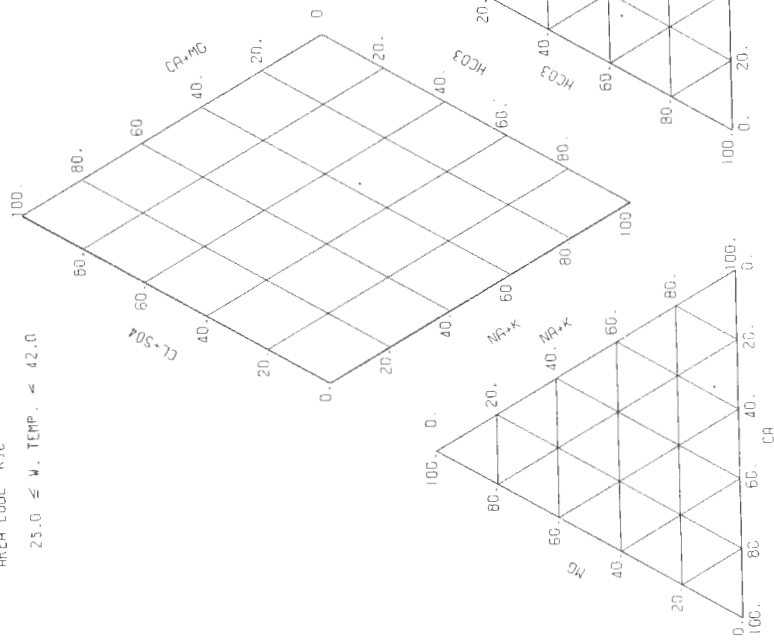


第24-4図 紀伊山地地帯水質組成図(その1) (水温25℃以上42℃未満)

K1) MOUNTAINS

AREA CODE K1C

25.0 ≤ W. TEMP. < 42.0

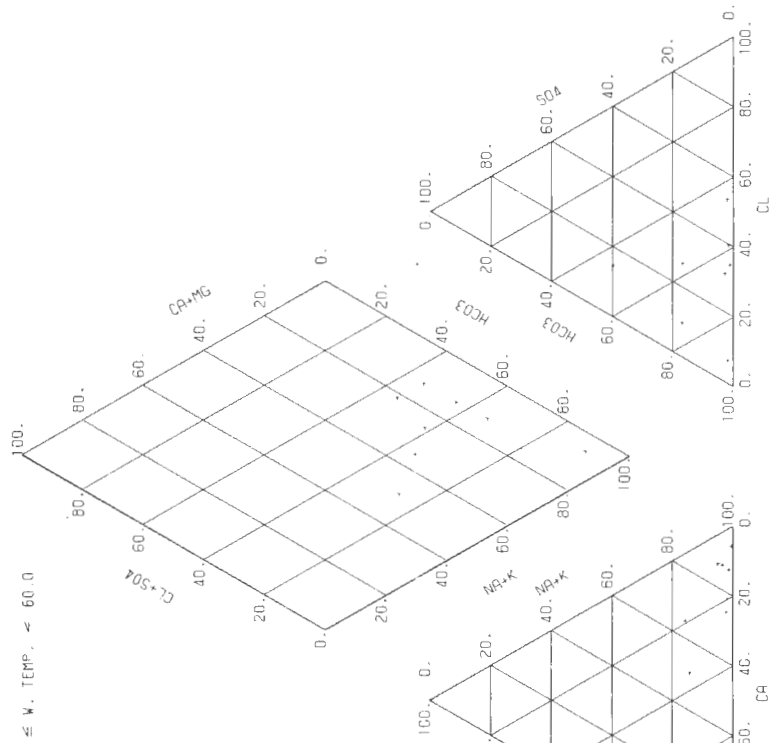


第24-4図 紀伊山地地帯水質組成図(その2) (水温42℃以上60℃未満)

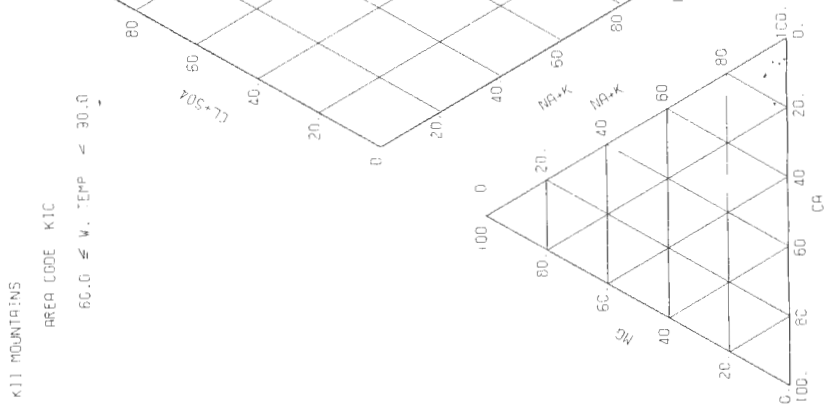
K1) MOUNTAINS

AREA CODE K1C

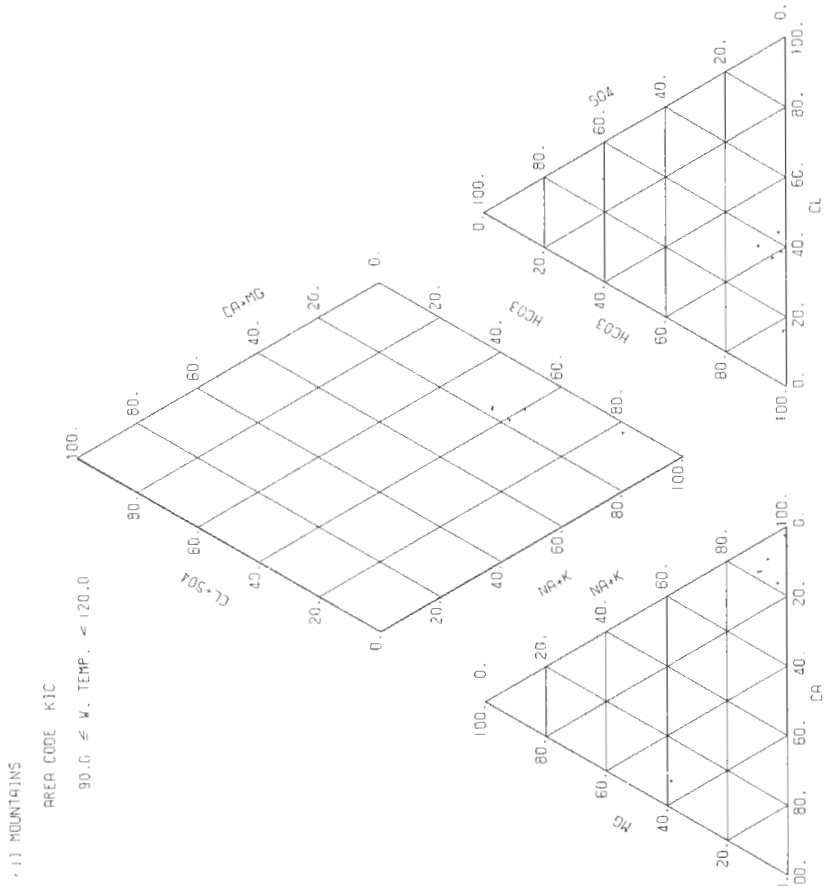
42.0 ≤ W. TEMP. < 60.0



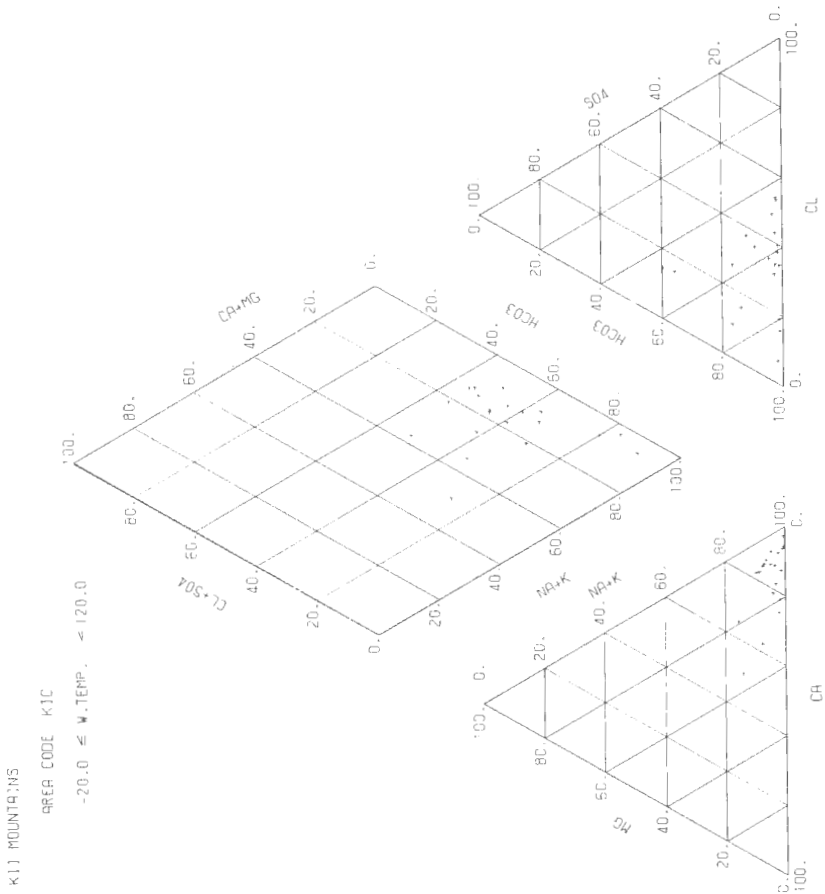
第 24-4 図 紀伊山地地域水質組成図 (その 3) (水温 60℃ 以上 90℃ 未満)



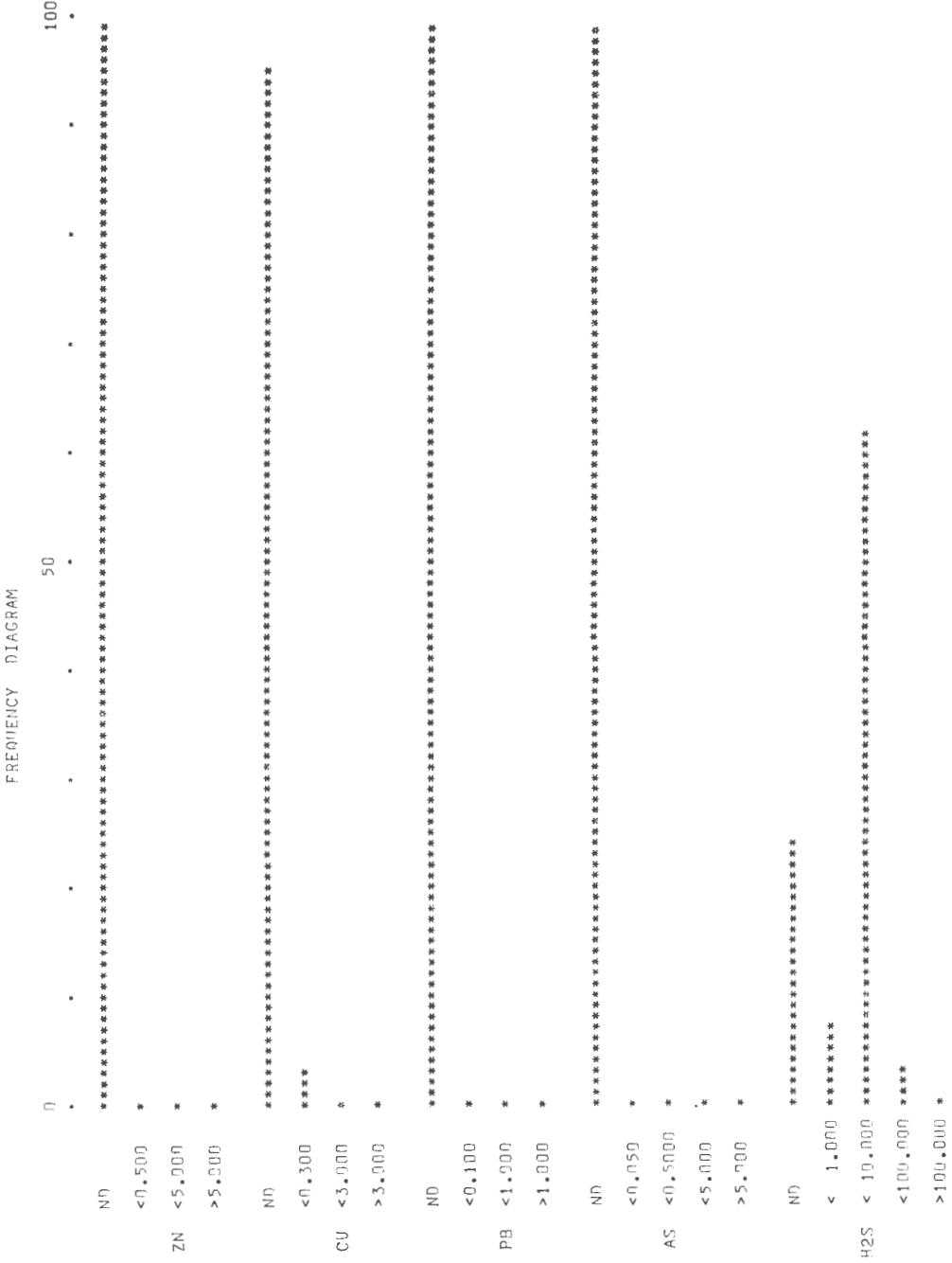
第 24-4 図 紀伊山地地域水質組成図 (その 4) (水温 90℃ 以上 120℃ 未満)



第24-4図 紀伊山地域水質組成図(その5)(全試料)



第 24-5 図 紀伊山地域特定成分含量の頻度分布図

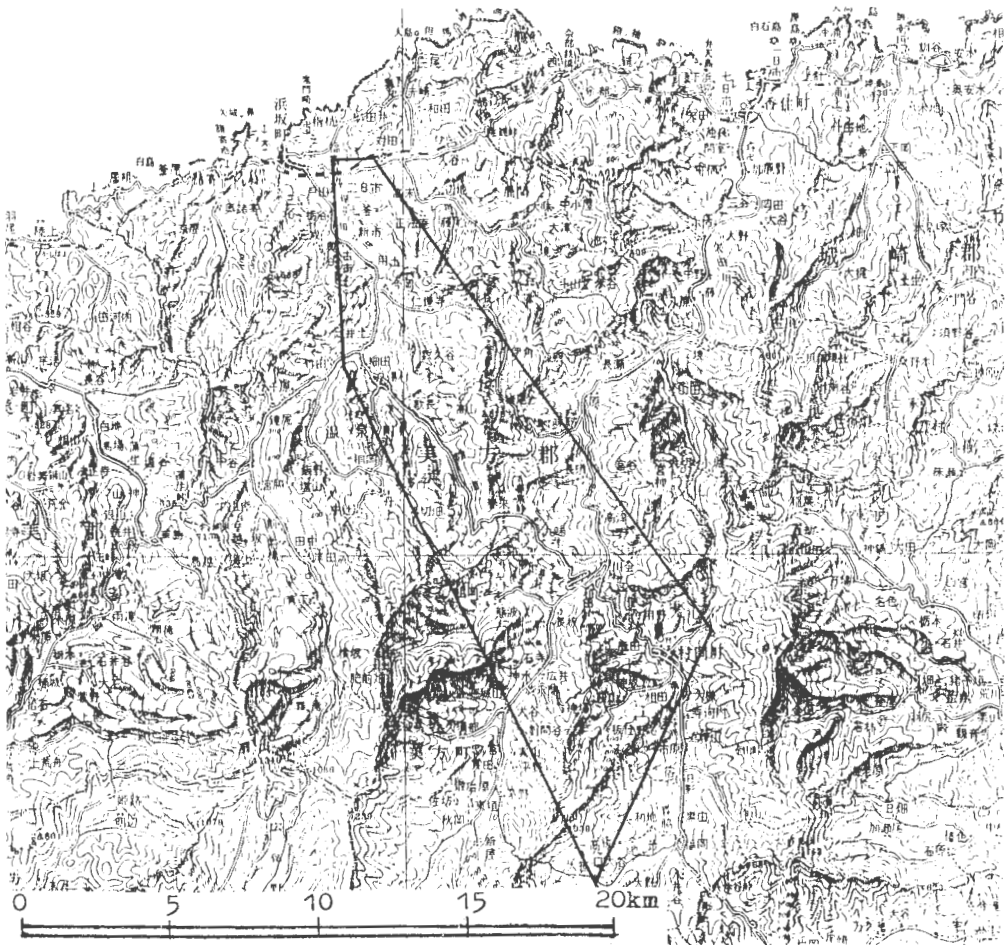


25. 美方

Mikata

| | |
|-------|-----------------------------|
| 位置 | 兵庫県美方郡温泉町，同郡浜坂町，同郡美方町，同郡村岡町 |
| データ数 | 30 |
| 収集・整理 | 黒田和男・宮村 学・望月常一・坂巻幸雄 |
| 協力 | 兵庫県衛生部薬務課，浜坂保健所 |

調査位置図（20万分の1地勢図 鳥取）



第25-1表 美方地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 試験年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|---------------------|-----|-----|--------|--------------|-------|--------------------------|----|
| MKC-1 | 兵庫県美方郡温泉町湯1248 | 湯 | 村 | 荒湯 | 1955. 7. 20 | 17 | D=0.6~0.75m, Q=333l/m, F | |
| "-2 | " " " "1265 | " | " | 元湯 | " 7. 20 | " | D=2.5m, Q=76.3l/m, F | |
| "-3 | " " " "1258の3 | " | " | 觀光ホテル | 1968. 8. 23 | " | | |
| "-4 | " " " "1260 | " | " | いづつや | 1955. 7. 15 | " | | |
| "-5 | " " " "1260 | " | " | いづつや6号 | 1958. 6. 10 | " | D=3m, Q=208l/m | |
| "-6 | " " " "1257 | " | " | とみや別館 | " 6. 10 | " | D=1.9m, P | |
| "-7 | " " " "1254 | " | " | とみや | 1955. 7. 19 | " | D=4m, P | |
| "-8 | " " " "1227 | " | " | みよしや | " 7. 15 | " | Q=43.9l/m, P | |
| "-9 | " " " "1543 | " | " | 橋本屋 | 1958. 5. 26 | " | Q=58.1l/m, P | |
| "-10 | " " " "1266の1 | " | " | 岡田 | 1955 | " | Q=22.9l/m, P | |
| "-11 | " " " "宮岡1346の8 | " | " | 八田屋 | 1958. 6. 10 | " | Q=48.9l/m, P | |
| "-12 | " " " "中町1315 | " | " | 一富士旅館 | " 6. 10 | " | Q=26.2l/m, P | |
| "-13 | " " " "1325の5 | " | " | 高山屋 | 1962. 8. 30 | " | Q=17.3l/m, P | |
| "-14 | " " " "1201の1 | " | " | 伯雲荘 | 1964. 12. 19 | " | Q=13l/m | |
| "-15 | " " " "1216 | " | " | 銀士扇 | 1963. 8. 30 | " | Q=20m, P | |
| "-16 | " " " "1269の4 | " | " | 富士鉄 | 1964. 5. 30 | " | Q=13.6m, P | |
| "-17 | " " " "1538 | " | " | 河越 | 1968. 12. 9 | " | Q=31.5m, P | |
| "-18 | " " " "1246 | " | " | とちせん | " 12. 10 | " | Q=6m, P | |
| "-19 | " " " "1268 | " | " | ぎおん | " 12. 9 | " | Q=2m, P | |
| "-20 | " " " "962の3 | " | " | 木村 | " 6. 1 | " | Q=8.5l/m | |
| "-21 | " " " "歌殿西の垣534 | " | " | 七釜1号 | 1973. 8. 15 | " | Q=14m, P, X | |
| "-22 | " " " "浜坂町七釜前田797 | " | " | 七釜2号 | 1962. 6. 30 | " | Q=340m, P, X | |
| "-23 | " " " "ミワラ975 | " | " | 七釜3号 | 1966. 12. 27 | " | Q=197m, F | |
| "-24 | " " " "前田706の18 | " | " | 二日市 | 1961. 3. 10 | " | Q=400m, F | |
| "-25 | " " " "二日市家の前891 | " | " | 小代1号 | 1964. 11. 21 | " | Q=150m, F | |
| "-26 | " " " "芦屋ハサマ55 | " | " | 小代2号 | 1970. 10. 15 | " | Q=300m, F | |
| "-27 | " " " "美方町大谷野尻335の2 | " | " | " | 1961. 4. 9 | " | Q=332m, P, X | |
| "-28 | " " " "129の1 | " | " | " | " | " | Q=50m, F, X | |
| "-29 | " " " "村岡町村岡2952 | " | " | " | 1973. 8. 15 | " | Q=240m, F, X | |
| "-30 | " " " "大笹落合131の3 | " | " | " | " 3. 1 | " | Q=600m, P, X | |

備考のDは深度(m), Qは揚(湧)水量(l/m), Fは自噴, Pはポンプ揚水, Xは源泉位置不明を示す。

第 25-2 表 美方地獄水質一覽表

| | MKC 1 | MKC 2 | MKC 3 | MKC 4 |
|----------------------------------|---------|----------|---------|----------|
| NO | 95.3 | 91.5 | 95.1 | 94.3 |
| TEMP | 851.200 | 1055.000 | 959.100 | 1112.000 |
| TSM | | | | |
| PH(FD) | 8.30 | 7.20 | 7.20 | 7.50 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 19.847 | 10.430 | 25.370 | 11.920 |
| NA | 286.479 | 89.970 | 262.600 | 216.097 |
| NH4 | 0.160 | 0.160 | 0.009 | 0.800 |
| CA | 37.496 | 41.066 | 16.420 | 30.354 |
| MG | 20.639 | 2.049 | 0.819 | 1.515 |
| FE | 0.325 | 2.012 | 0.941 | 9.282 |
| MN | | 0.320 | 0.106 | 0.325 |
| ZN | | 0.032 | 0.110 | |
| CU | | | | |
| PB | | | | |
| AL | 0.064 | 0.300 | 0.444 | 0.038 |
| CL | 152.470 | 152.480 | 160.800 | 132.970 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 139.316 | 124.900 | 0.003 | |
| S203 | | 0.143 | 202.300 | 100.880 |
| HCO3 | 549.000 | 549.000 | 282.700 | 375.870 |
| CO3 | 3.960 | 3.090 | 0.264 | |
| ST02 (MG/KG)(MMOL/KG) | 115.780 | 105.009 | 112.057 | 140.013 |
| HB02 | 4.860 | 5.070 | 3.864 | 4.930 |
| H3P04 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 3.500 | 140.000 | 42.820 | 3.900 |
| RN (*E-10 CURIE/L) | 5.300 | 7.200 | | 7.200 |
| NA/K | 25.403 | 14.669 | 17.602 | 30.829 |
| CA/(HCO3+CO3) | 0.205 | 0.225 | 0.177 | 0.246 |
| MG/CA | 0.808 | 0.081 | 0.095 | 0.504 |
| NA/CA | 6.893 | 1.910 | 13.942 | 6.206 |
| CL/(HCO3+CO3) | 0.471 | 0.473 | 0.977 | 0.609 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 26.336 | 26.879 | 33.877 | 31.228 |
| S04*100/(CL+S04+HCO3+CO3) | 17.760 | 16.250 | 31.455 | 17.485 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 55.904 | 56.871 | 34.669 | 51.287 |
| (NA+K)*100/(NA+K+CA+MG) | 76.971 | 65.369 | 93.085 | 80.987 |
| CA*100/(NA+K+CA+MG) | 11.023 | 32.042 | 6.318 | 12.639 |
| MG*100/(NA+K+CA+MG) | 10.006 | 2.589 | 0.597 | 6.374 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 44.096 | 43.129 | 65.331 | 48.713 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 55.904 | 56.871 | 34.669 | 51.287 |
| (NA+K)*100/(NA+K+CA+MG) | 78.971 | 65.369 | 93.085 | 80.987 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.029 | 34.631 | 6.915 | 19.013 |

第25-2表 美方地域水質一覽表 (つづき)

| | MKC 5 | | MKC 6 | | MKC 7 | | MKC 8 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| NO | 93.3 | 70.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 | 57.0 |
| TEMP | 1095.000 | 1080.000 | 1080.000 | 1234.000 | 1234.000 | 1234.000 | 1234.000 | 1562.000 |
| TSM | 7.90 | 7.20 | 7.20 | 7.50 | 7.50 | 7.50 | 7.50 | 7.00 |
| PH(FD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 25.740 | 0.658 | 25.810 | 0.660 | 11.990 | 0.307 | 14.410 | 0.369 |
| NA | 274.300 | 11.932 | 263.200 | 11.449 | 261.396 | 11.371 | 114.900 | 4.998 |
| NH4 | | | | | 0.130 | 0.007 | 0.600 | 0.033 |
| CA | 15.100 | 0.753 | 17.140 | 0.855 | 30.354 | 1.515 | 39.281 | 1.860 |
| MG | 1.643 | 0.135 | 2.448 | 0.201 | 16.926 | 1.393 | 25.116 | 2.067 |
| FE | 0.103 | 0.004 | 0.151 | 0.005 | 3.200 | 0.115 | 0.120 | 0.004 |
| MN | 0.130 | 0.005 | 0.142 | 0.005 | | | 0.086 | 0.003 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 1.000 | 0.111 | 1.200 | 0.133 | 0.089 | 0.010 | 0.139 | 0.015 |
| CL | 152.900 | 4.313 | 155.700 | 4.392 | 145.390 | 4.101 | 70.920 | 2.001 |
| BR | | | | | | | 0.038 | 0.000 |
| T | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 178.200 | 3.710 | 170.900 | 3.558 | 110.490 | 2.300 | 100.880 | 2.100 |
| S203 | | | | | | | | |
| HC03 | 340.000 | 5.573 | 327.100 | 5.361 | 509.800 | 8.356 | 324.189 | 5.313 |
| C03 | | | | | | | | |
| SI02 (MG/KG) (MMDL/KG) | | | | | | | | |
| HB02 | 117.703 | 1.960 | 122.626 | 2.042 | 88.854 | 1.479 | 108.471 | 1.806 |
| H3PO4 | 4.095 | 0.053 | 4.117 | 0.094 | 4.930 | 0.113 | 4.900 | 0.112 |
| HAS02 | | | | | | | | |
| C02 | 19.400 | 0.441 | 15.800 | 0.359 | 4.800 | 0.109 | 25.800 | 0.586 |
| H2S | | | | | | | | |
| RN (*E-10 CURIE/L) | 3.300 | | 3.350 | | 23.700 | | 31.250 | |
| NA/K | 18.122 | | 17.341 | | 37.074 | | 13.560 | |
| CA/(HC03+C03) | 0.135 | | 0.160 | | 0.181 | | 0.369 | |
| MG/CA | 0.179 | | 0.235 | | 0.920 | | 1.054 | |
| NA/CA | 15.836 | | 13.386 | | 7.507 | | 2.550 | |
| CL/(HC03+C03) | 0.774 | | 0.819 | | 0.491 | | 0.377 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 31.725 | | 32.996 | | 27.792 | | 21.251 | |
| S04*100/(CL+S04+HC03+C03) | 27.248 | | 26.730 | | 15.588 | | 22.310 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.947 | | 40.274 | | 56.620 | | 56.439 | |
| (NA+K)*100/(NA+K+CA+MG) | 93.407 | | 91.975 | | 80.065 | | 57.132 | |
| CA*100/(NA+K+CA+MG) | 5.590 | | 6.496 | | 10.385 | | 20.866 | |
| MG*100/(NA+K+CA+MG) | 1.013 | | 1.529 | | 9.550 | | 22.002 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 59.013 | | 59.726 | | 43.380 | | 43.561 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 40.947 | | 40.274 | | 56.620 | | 56.439 | |
| (NA+K)*100/(NA+K+CA+MG) | 93.407 | | 91.975 | | 80.065 | | 57.132 | |
| (CA+MG)*100/(NA+K+CA+MG) | 6.593 | | 8.025 | | 19.935 | | 42.868 | |

第25-2表 美方地域水質一覽表 (つづき)

| | MKC 9 | MKC 10 | MKC 11 | MKC 12 |
|----------------------------------|---------|---------|---------|---------|
| NO | 71.0 | 52.0 | 76.5 | 77.7 |
| TEMP | 910.000 | - | 978.000 | 977.000 |
| TSM | - | - | - | - |
| PH(FD) | 7.50 | 7.20 | 7.80 | 7.80 |
| PH(CL8) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 19.180 | 12.445 | 0.318 | 0.466 |
| NA | 248.100 | 177.032 | 7.701 | 10.470 |
| NH4 | - | 0.200 | 0.011 | TR. |
| CA | 15.390 | 44.995 | 2.245 | 0.750 |
| MG | 1.650 | 9.391 | 2.154 | 15.260 |
| FF | 0.076 | 0.450 | 0.054 | 2.261 |
| MN | 0.214 | - | 0.016 | 0.112 |
| ZN | - | - | 0.154 | 0.134 |
| CU | - | - | - | 0.006 |
| PR | - | - | - | - |
| AL | 0.900 | 0.080 | 0.800 | 1.000 |
| CL | 137.600 | 106.380 | 3.001 | 141.000 |
| BR | - | 0.138 | 0.002 | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 168.000 | 96.080 | 2.000 | 168.200 |
| S203 | - | - | - | - |
| HCO3 | 300.000 | 369.950 | 6.063 | 293.300 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 111.702 | 143.244 | 2.385 | 117.318 |
| H802 | 3.376 | 2.930 | 0.067 | 3.895 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 22.100 | 36.960 | 0.840 | 21.100 |
| H2S | - | - | - | - |
| RN (*F-10 CURIE/L) | 3.260 | - | 4.600 | 2.390 |
| NA/K | 21.997 | 24.191 | 22.480 | 16.295 |
| CA/(HC03+CO3) | 0.156 | 0.370 | 0.161 | 0.158 |
| MG/CA | 0.177 | 0.344 | 0.236 | 0.244 |
| NA/CA | 16.953 | 3.430 | 13.951 | 13.882 |
| CL/(HC03+CO3) | 0.789 | 0.495 | 0.317 | 0.827 |
| CL/F | - | - | - | - |
| CL*100/(CL+CO4+HC03+CO3) | 31.563 | 27.122 | 31.815 | 32.373 |
| S04*100/(CL+S04+HC03+CO3) | 28.445 | 18.079 | 29.242 | 28.502 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 39.987 | 54.800 | 38.942 | 39.125 |
| (NA+K)*100/(NA+K+CA+MG) | 92.592 | 72.656 | 92.180 | 92.212 |
| CA*100/(NA+K+CA+MG) | 6.301 | 20.342 | 6.326 | 6.259 |
| MG*100/(NA+K+CA+MG) | 1.117 | 7.002 | 1.494 | 1.529 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 60.013 | 45.200 | 61.058 | 60.875 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 39.987 | 54.800 | 38.942 | 39.125 |
| (NA+K)*100/(NA+K+CA+MG) | 92.582 | 72.656 | 92.180 | 92.212 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.418 | 27.344 | 7.820 | 7.788 |

第 25-2 表 美方地域水質一覽表 (つづき)

| | MKC 13 | MKC 14 | MKC 15 | MKC 16 |
|----------------------------------|---------|---------|---------|---------|
| NO | 60.3 | 68.6 | 46.0 | 78.0 |
| TEMP | 800.000 | - | 355.500 | 933.400 |
| PH(FD) | - | - | - | - |
| PH(LB) | 6.90 | - | 7.70 | 8.30 |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 9.337 | 17.590 | 9.742 | 31.510 |
| NA | 196.000 | 255.500 | 69.739 | 222.900 |
| NH4 | - | - | - | - |
| CA | 24.250 | 17.110 | 12.690 | 4.623 |
| MG | 2.697 | 0.878 | 5.215 | 0.727 |
| FE | 0.209 | 0.092 | 0.137 | 0.191 |
| MN | 0.090 | 0.275 | 0.010 | 0.019 |
| ZN | - | - | - | 0.001 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.463 | 0.925 | 0.867 | 0.831 |
| CL | 116.000 | 145.000 | 53.857 | 133.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | 0.027 |
| S04 | 154.900 | 177.400 | 58.040 | 169.000 |
| S203 | - | - | - | - |
| HC03 | 230.100 | 293.700 | 103.200 | 210.700 |
| CO3 | - | - | - | 1.917 |
| ST02 (MG/KG)(MMOL/KG) | 123.473 | 113.241 | 41.127 | 108.657 |
| HB02 | 12.000 | 4.504 | 3.850 | 7.666 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 41.880 | 31.360 | 42.050 | 3.191 |
| H2S | - | - | - | 0.073 |
| RN (*E-10 CURTE/L) | 8.390 | 2.700 | 14.700 | 7.870 |
| NA/K | 35.770 | 24.701 | 12.172 | 12.030 |
| CA/(HC03+CO3) | 0.321 | 0.177 | 0.374 | 0.066 |
| MG/CA | 0.133 | 0.085 | 0.678 | 0.259 |
| NA/CA | 7.037 | 13.018 | 4.790 | 42.032 |
| CL/(HC03+CO3) | 0.868 | 0.850 | 0.898 | 1.072 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 31.867 | 32.470 | 34.377 | 34.899 |
| S04*100/(CL+S04+HC03+CO3) | 31.406 | 29.319 | 27.346 | 32.557 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 36.726 | 38.211 | 38.277 | 32.545 |
| (NA+K)*100/(NA+K+CA+MG) | 95.993 | 92.586 | 75.549 | 97.308 |
| CA*100/(NA+K+CA+MG) | 11.852 | 6.836 | 14.574 | 2.137 |
| MG*100/(NA+K+CA+MG) | 2.165 | 0.578 | 9.877 | 0.554 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 63.274 | 61.789 | 61.723 | 67.455 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 36.726 | 38.211 | 38.277 | 32.545 |
| (NA+K)*100/(NA+K+CA+MG) | 95.993 | 92.586 | 75.549 | 97.308 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.017 | 7.414 | 24.451 | 2.692 |

第25-2表 美方地域水質一覧表(つづき)

| | MKC 17 | MKC 18 | MKC 19 | MKC 20 |
|----------------------------------|---------|---------|---------|---------|
| NO | 77.0 | 86.0 | 80.5 | 85.5 |
| TEMP | 915.630 | 991.100 | 959.000 | 860.100 |
| TSM | 7.20 | 7.30 | 7.20 | 7.40 |
| PH(FD) | | | | |
| PH(LR) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 14.930 | 16.040 | 15.730 | 20.580 |
| NA | 256.800 | 278.400 | 267.000 | 245.300 |
| NH4 | | | | |
| CA | 19.350 | 15.190 | 17.420 | 13.600 |
| MG | 1.175 | 0.894 | 1.047 | 0.724 |
| FE | 0.188 | 0.133 | 0.153 | 0.207 |
| MN | 0.169 | 0.124 | 0.159 | 0.094 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.594 | 0.274 | 0.298 | 1.101 |
| CL | 134.100 | 153.600 | 147.000 | 143.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.009 | 0.011 | 0.004 | 0.004 |
| S04 | 179.300 | 188.300 | 187.800 | 160.000 |
| S203 | | | | |
| HCO3 | 296.700 | 297.500 | 305.200 | 230.200 |
| CO3 | 0.875 | 1.098 | 0.450 | 0.413 |
| S102 (MG/KG)(MMOL/KG) | 101.397 | 88.018 | 106.076 | 106.153 |
| HR02 | 7.223 | 0.430 | 7.223 | 4.907 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 14.270 | 11.400 | 29.350 | 26.940 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | 8.170 | | 4.960 | 3.360 |
| NA/K | 29.250 | 29.516 | 28.865 | 20.269 |
| CA/(HCO3+CO3) | 0.197 | 0.154 | 0.173 | 0.179 |
| MG/CA | 0.100 | 0.097 | 0.099 | 0.088 |
| NA/CA | 11.537 | 15.877 | 13.361 | 15.723 |
| CL/(HCO3+CO3) | 0.773 | 0.882 | 0.827 | 1.065 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 30.488 | 32.911 | 31.718 | 36.173 |
| S04*100/(CL+S04+HCO3+CO3) | 30.085 | 29.777 | 29.906 | 29.871 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 39.427 | 37.313 | 38.375 | 33.956 |
| (NA+K)*100/(NA+K+CA+MG) | 91.500 | 93.772 | 92.635 | 93.815 |
| CA*100/(NA+K+CA+MG) | 7.603 | 5.677 | 6.701 | 5.686 |
| MG*100/(NA+K+CA+MG) | 0.767 | 0.551 | 0.664 | 0.499 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 60.573 | 62.687 | 61.625 | 66.044 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 39.427 | 37.313 | 38.375 | 33.956 |
| (NA+K)*100/(NA+K+CA+MG) | 91.500 | 93.772 | 92.635 | 93.815 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.410 | 6.228 | 7.365 | 6.185 |

第25-2表 美方地蔵水質一覧表(つづき)

| NO | MKC 21 | | MKC 22 | | MKC 23 | | MKC 24 | |
|----------------------------------|---------|----------|----------|----------|--------|--------|--------|------|
| | 32.0 | 46.5 | 47.0 | 31.0 | 47.0 | 31.0 | 31.0 | 31.0 |
| TEMP | 244.000 | 1601.200 | 1850.000 | 1571.000 | | | | |
| TSM | | | | | | | | |
| PH(FD) | | | | | | | | |
| PH(LR) | 8.20 | 7.10 | 7.60 | 7.50 | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 4.574 | 0.117 | 0.142 | 54.350 | 0.208 | 1.390 | | |
| NA | 57.470 | 2.935 | 4.633 | 282.900 | 1.481 | 12.306 | | |
| NH4 | | | | | | | | |
| CA | 8.366 | 0.417 | 8.892 | 306.100 | 15.274 | 6.567 | | |
| MG | 1.353 | 0.111 | 1.959 | 40.220 | 3.310 | 1.768 | | |
| FF | 0.080 | 0.003 | 0.036 | 0.800 | 0.029 | 0.060 | | |
| MN | 0.013 | 0.000 | 0.120 | | 0.004 | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.264 | 0.029 | 0.003 | 0.225 | 0.002 | 0.025 | | |
| CL | 13.030 | 0.368 | 3.151 | 103.000 | 2.309 | 2.906 | | |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | 0.220 | 0.012 | | 3.602 | 0.190 | | | |
| OH | 0.034 | 0.002 | 0.000 | | 0.005 | 0.000 | | |
| S04 | 26.380 | 0.549 | 17.099 | 805.400 | 16.144 | 16.768 | | |
| S203 | | | | | 0.023 | | | |
| HC03 | 160.200 | 2.626 | 1.461 | 109.500 | 1.795 | 2.603 | | |
| C03 | 1.887 | 0.063 | 0.002 | 0.258 | 0.009 | 0.005 | | |
| SI02 (MG/KG)(MMOL/KG) | 12.940 | 0.215 | 0.614 | 28.503 | 0.804 | 0.475 | | |
| HB02 | | | | | 0.060 | | | |
| H3P04 | | | | | 2.847 | | | |
| HAS02 | 1.014 | 0.000 | | | | | | |
| C02 | 2.597 | 6.059 | 0.390 | 37.050 | 0.149 | 0.343 | | |
| H2S | | | 0.027 | 12.220 | 0.004 | 0.278 | | |
| RN (*F-10 CURIE/L) | 19.430 | 10.040 | 2.660 | 0.639 | | 0.019 | | |
| NA/K | 0.754 | 0.754 | 7.125 | 8.852 | | | | |
| CA/(HC03+C03) | 0.155 | 6.076 | 8.470 | 2.518 | | | | |
| MG/CA | 0.267 | 0.217 | 0.217 | 0.269 | | | | |
| NA/CA | 7.030 | 0.521 | 0.097 | 1.874 | | | | |
| CL/(HC03+C03) | 0.137 | 2.153 | 1.280 | 1.114 | | | | |
| CL/F | 31.740 | | 12.176 | | | | | |
| CL*100/(CL+S04+FC03+C03) | 10.195 | 14.512 | 11.398 | 13.040 | | | | |
| S04*100/(CL+S04+HC03+C03) | 15.234 | 78.748 | 79.700 | 75.257 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 74.571 | 6.740 | 8.903 | 11.703 | | | | |
| (NA+K)*100/(NA+V+CA+MG) | 35.233 | 49.824 | 8.329 | 62.169 | | | | |
| CA*100/(NA+V+CA+MG) | 11.658 | 4.120 | 75.345 | 29.807 | | | | |
| MG*100/(NA+V+CA+MG) | 3.109 | 9.057 | 16.326 | 8.023 | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 25.429 | 93.260 | 91.097 | 88.297 | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 74.571 | 6.740 | 8.903 | 11.703 | | | | |
| (NA+K)*100/(NA+V+CA+MG) | 65.233 | 49.824 | 8.329 | 62.169 | | | | |
| (CA+MG)*100/(NA+V+CA+MG) | 14.767 | 50.176 | 91.671 | 37.851 | | | | |

第 25-2 表 美方地域水質一覧表 (つづき)

| NO | MKC 25 | | MKC 26 | | MKC 27 | | MKC 28 | |
|----------------------------------|----------|--------|----------|--------|---------|-------|---------|-------|
| | TEMP | TSM | TEMP | TSM | TEMP | TSM | TEMP | TSM |
| PH(FD) | 7.20 | 7.10 | 7.10 | 6.80 | 6.80 | 6.70 | 6.70 | 6.70 |
| PH(LB) | 7.20 | 7.10 | 7.10 | 6.80 | 6.80 | 6.70 | 6.70 | 6.70 |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 4.106 | 0.195 | 29.350 | 0.764 | 0.466 | 0.012 | 1.760 | 0.045 |
| NA | 460.800 | 17.435 | 1221.000 | 53.114 | 47.800 | 2.079 | 167.300 | 7.278 |
| NAH4 | | | 0.514 | 0.023 | | | | |
| CA | 469.200 | 23.413 | 352.600 | 17.595 | 30.950 | 1.544 | 49.720 | 2.481 |
| MG | 11.543 | 0.950 | 238.400 | 18.795 | 0.437 | 0.036 | 0.786 | 0.065 |
| FE | 2.408 | 0.088 | 0.637 | 0.023 | 2.444 | 0.088 | 3.287 | 0.118 |
| MN | 0.120 | 0.004 | 0.976 | 0.036 | | | | |
| ZN | | | TR. | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | 1.500 | 0.167 | 0.323 | 0.036 | 0.008 | 0.001 | 4.295 | 0.478 |
| CL | 133.000 | 3.752 | 3870.000 | 80.963 | 30.490 | 0.860 | 76.230 | 2.150 |
| BR | | | 4.157 | 0.052 | | | | |
| I | | | 0.677 | 0.005 | | | | |
| F | | | | | | | | |
| OH | 0.003 | 0.000 | 0.005 | 0.000 | | | | |
| SO4 | 1718.000 | 35.769 | 328.200 | 6.833 | 35.800 | 0.745 | 70.660 | 1.471 |
| S2O3 | | | | | | | | |
| HCO3 | 172.300 | 2.824 | 79.180 | 1.298 | 131.500 | 2.155 | 412.000 | 6.753 |
| CO3 | 0.162 | 0.005 | 0.146 | 0.005 | 0.024 | 0.001 | 0.063 | 0.002 |
| SI02 (MG/KG) (MPL/KG) | 18.900 | 0.315 | 15.173 | 0.253 | 14.201 | 0.236 | 73.907 | 1.231 |
| HB02 | | | 2.442 | 0.056 | | | | |
| H3PO4 | | | | | | | | |
| HAS02 | 37.050 | 0.343 | | | | | | |
| CO2 | 26.100 | 0.593 | | | | | | |
| H2S | 0.814 | 0.024 | | | | | | |
| RN (NH-10 CHRT/L) | 9.730 | | | | 10.420 | | 24.410 | |
| NA/K | 165.906 | 69.560 | | | 174.434 | | 161.649 | |
| CA/(HCO3+CO3) | 8.275 | 13.507 | | | 0.716 | | 0.367 | |
| MG/CA | 0.061 | 1.068 | | | 0.023 | | 0.026 | |
| NA/CA | 0.745 | 3.019 | | | 1.346 | | 2.933 | |
| CL/(HCO3+CO3) | 1.326 | 62.153 | | | 0.399 | | 0.318 | |
| CL/F | | | | | | | | |
| CL*100/(CL+SO4+HCO3+CO3) | 8.859 | 90.869 | | | 22.866 | | 20.724 | |
| SO4*100/(CL+SO4+HCO3+CO3) | 84.460 | 7.869 | | | 19.815 | | 14.178 | |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 6.681 | 1.462 | | | 57.319 | | 65.098 | |
| (NA+K)*100/(NA+K+CA+MG) | 41.859 | 59.686 | | | 56.957 | | 74.203 | |
| CA*100/(NA+K+CA+MG) | 55.875 | 19.492 | | | 42.064 | | 25.141 | |
| MG*100/(NA+K+CA+MG) | 2.266 | 20.822 | | | 0.979 | | 0.655 | |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | 93.319 | 98.538 | | | 42.681 | | 34.902 | |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | 6.681 | 1.462 | | | 57.319 | | 65.098 | |
| (NA+K)*100/(NA+K+CA+MG) | 41.859 | 59.686 | | | 56.957 | | 74.203 | |
| (CA+MG)*100/(NA+K+CA+MG) | 58.141 | 40.314 | | | 43.043 | | 25.797 | |

第25-2表 美方地域水質一覽表(つづき)

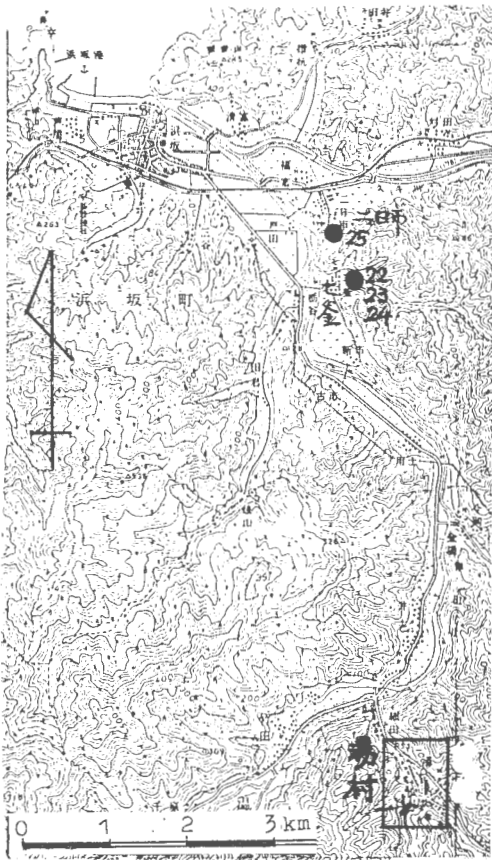
| NO | MKC 29 | | MKC 30 | |
|----------------------------------|---------|---------|---------|---------|
| | 28.0 | 27.3 | 27.3 | 27.3 |
| TEMP | 415.000 | 350.000 | 350.000 | 350.000 |
| TSM | — | — | — | — |
| PH(FD) | 8.60 | 9.10 | — | — |
| PH(LR) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | 0.545 | 0.014 | 9.849 | 0.252 |
| NA | 145.100 | 6.312 | 168.800 | 7.343 |
| NH4 | — | — | — | — |
| CA | 0.335 | 0.017 | 1.447 | 0.072 |
| MG | 0.235 | 0.019 | 0.611 | 0.050 |
| FE | 0.228 | 0.010 | 0.058 | 0.002 |
| MN | — | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 0.750 | 0.023 | 0.020 | 0.002 |
| CL | 16.600 | 0.468 | 9.567 | 0.270 |
| BR | — | — | 1.061 | 0.013 |
| I | — | — | — | — |
| F | 1.376 | 0.072 | 0.362 | 0.019 |
| OH | 0.085 | 0.005 | 0.221 | 0.013 |
| S04 | 0.702 | 0.015 | 3.862 | 0.080 |
| S203 | — | — | — | — |
| HC03 | 335.900 | 5.505 | 205.200 | 6.839 |
| C03 | 4.959 | 0.165 | — | — |
| SI02 (MG/KG) (MMOL/KG) | 15.666 | 0.261 | 81.118 | 1.351 |
| HB02 | 0.013 | 0.000 | — | — |
| H3P04 | — | — | — | — |
| HAS02 | — | — | 1.685 | 0.016 |
| C02 | 2.120 | 0.050 | 1.526 | 0.035 |
| H2S | — | — | — | — |
| RN (*E-10 CURIE/L) | 11.900 | — | 14.660 | — |
| NA/K | 452.751 | — | 29.145 | — |
| CA/(HCO3+CO3) | 0.003 | — | — | — |
| MG/CA | 1.157 | — | 0.696 | — |
| NA/CA | 377.582 | — | 101.693 | — |
| CL/(HCO3+CO3) | 0.023 | — | — | — |
| CL/F | 6.465 | — | 14.163 | — |
| CL*100/(CL+S04+HC03+CO3) | 7.610 | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | 0.240 | — | — | — |
| (HCO3+CO3)*100/(CL+S04+HC03+CO3) | 92.151 | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 99.433 | — | 98.413 | — |
| CA*100/(NA+K+CA+MG) | 0.263 | — | 0.936 | — |
| MG*100/(NA+K+CA+MG) | 0.304 | — | 0.652 | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 7.249 | — | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 92.151 | — | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 99.433 | — | 98.413 | — |
| (CA+MG)*100/(NA+K+CA+MG) | 0.567 | — | 1.587 | — |

第 25-3 表 美方地域特定成分含量の頻度分布表

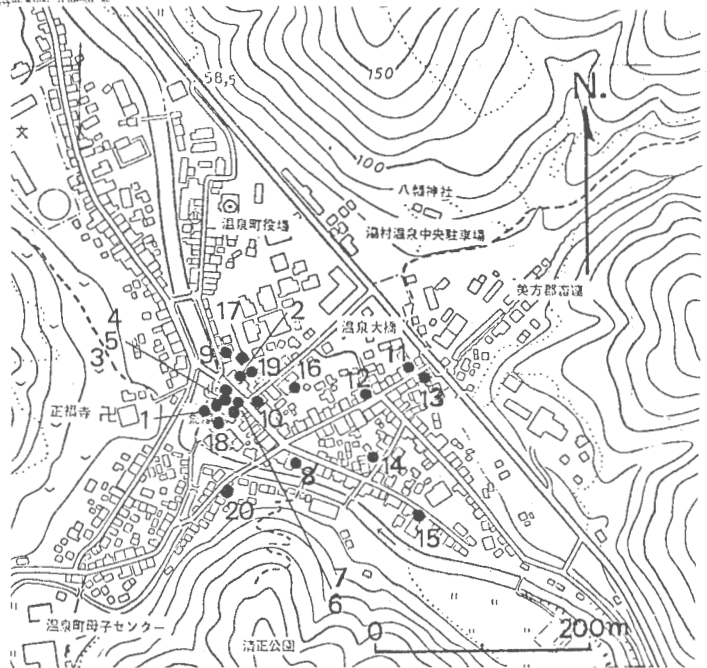
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

| ZN | | | | CU | | | |
|-----------|----|-------|-----------------|----------------------|-------|--|--|
| | N | F(%) | | N | F(%) | | |
| ND | 30 | 100.0 | ND | 30 | 100.0 | | |
| <0.500 | 0 | 0. | <0.300 | 0 | 0. | | |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. | | |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. | | |
| TOTAL | 30 | 100.0 | TOTAL | 30 | 100.0 | | |
| PB | | | | AS | | | |
| | N | F(%) | | N | F(%) | | |
| ND | 30 | 100.0 | ND | 26 | 86.7 | | |
| <0.100 | 0 | 0. | <0.050 | 1 | 3.3 | | |
| <1.000 | 0 | 0. | <0.500 | 0 | 0. | | |
| >1.000 | 0 | 0. | <5.000 | 1 | 3.3 | | |
| | | | >5.000 | 2 | 6.7 | | |
| TOTAL | 30 | 100.0 | TOTAL | 30 | 100.0 | | |
| H2S | | | | N= NUMBER OF SAMPLES | | | |
| | N | F(%) | F= FREQUENCY(%) | | | | |
| ND | 24 | 80.0 | | | | | |
| < 1.000 | 6 | 20.0 | | | | | |
| < 10.000 | 0 | 0. | | | | | |
| < 100.000 | 0 | 0. | | | | | |
| > 100.000 | 0 | 0. | | | | | |
| TOTAL | 30 | 100.0 | | | | | |

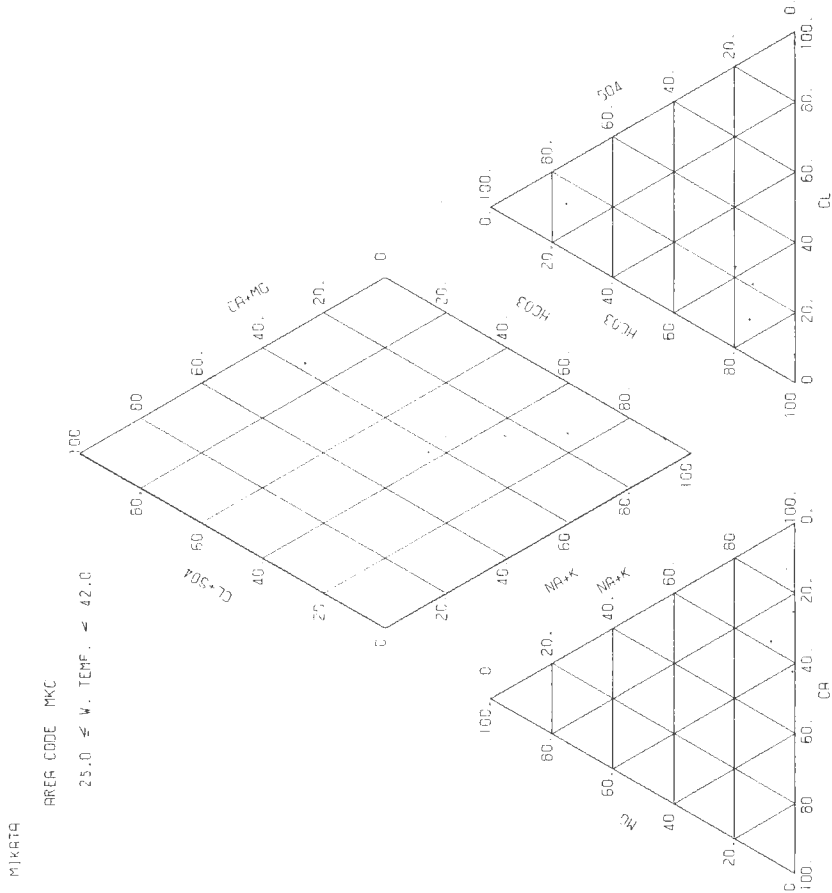
第 25-1 図 美方地域における温泉の分布および試料採取地（二日市，七釜温泉）



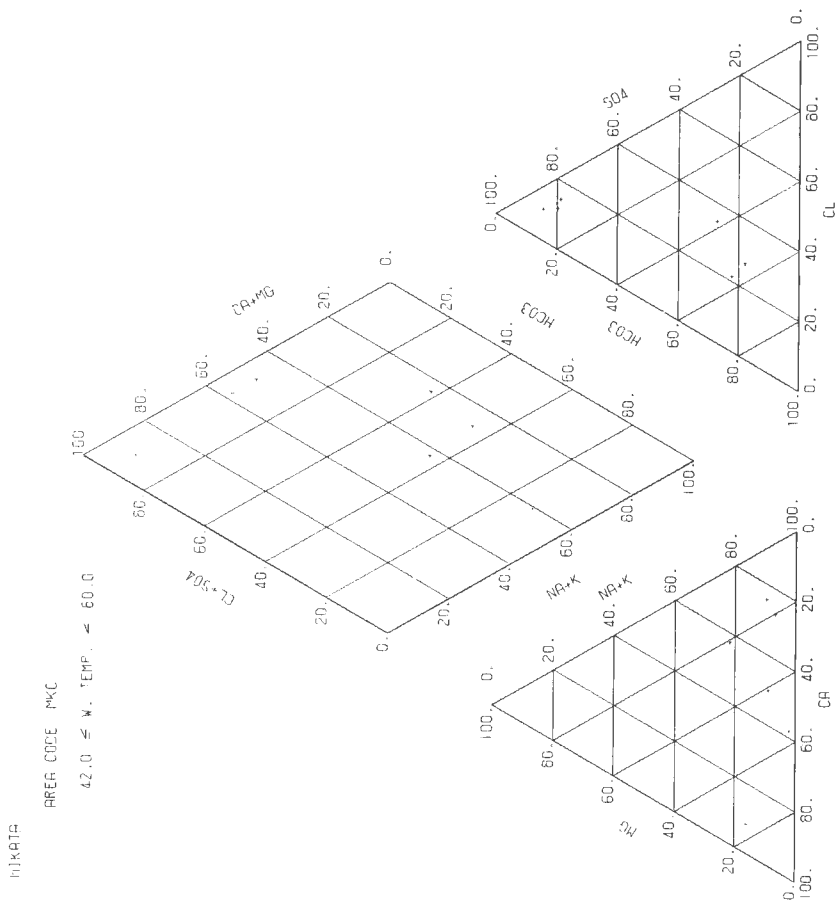
第 25-2 図 試料採取地（湯村温泉）



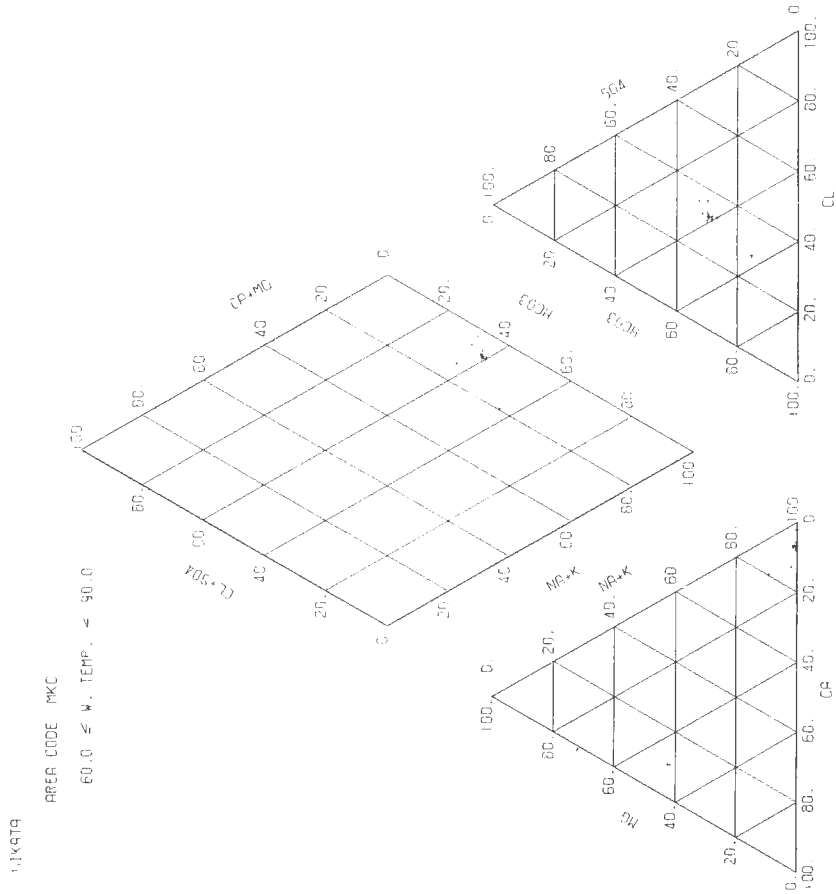
第 25-3 図 美方地域水質組成図 (その1) (水温25℃以上42℃未満)



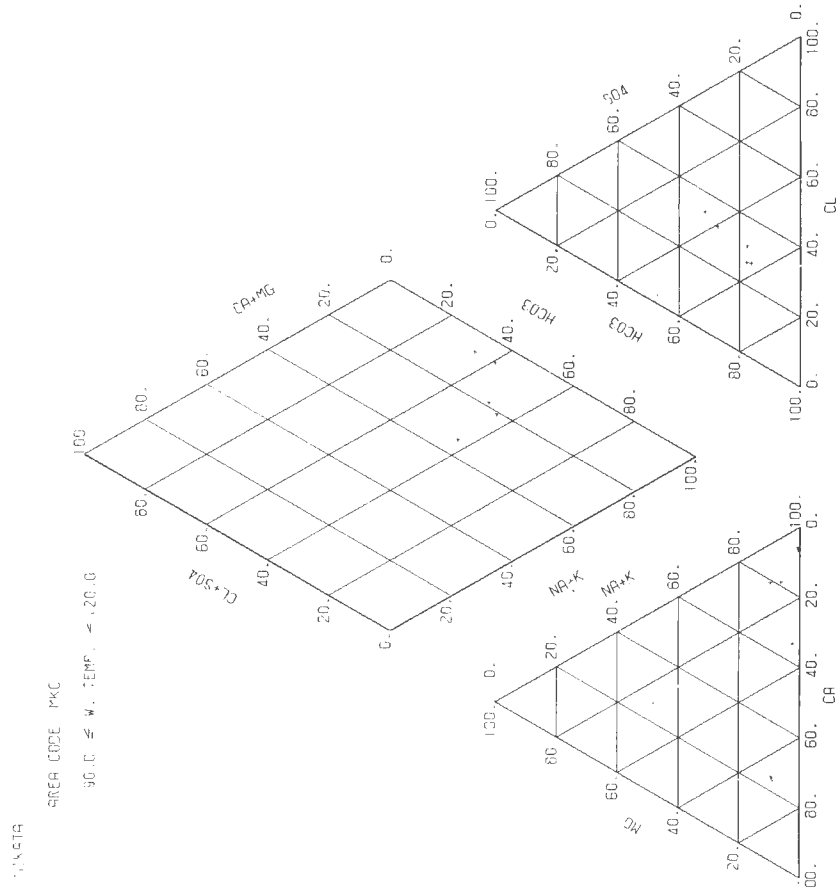
第 25-3 図 美方地域水質組成図 (その2) (水温42℃以上60℃未満)



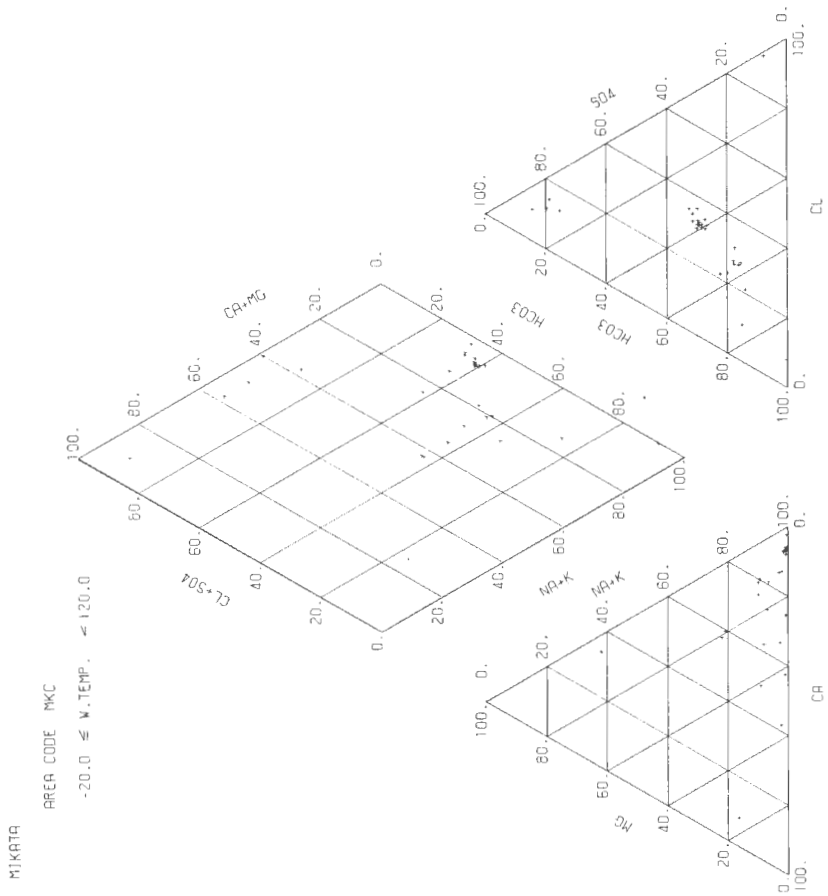
第 25-3 図 美方地咸水質組成図 (その 3) (水溫 60℃ 以上 90℃ 未満)



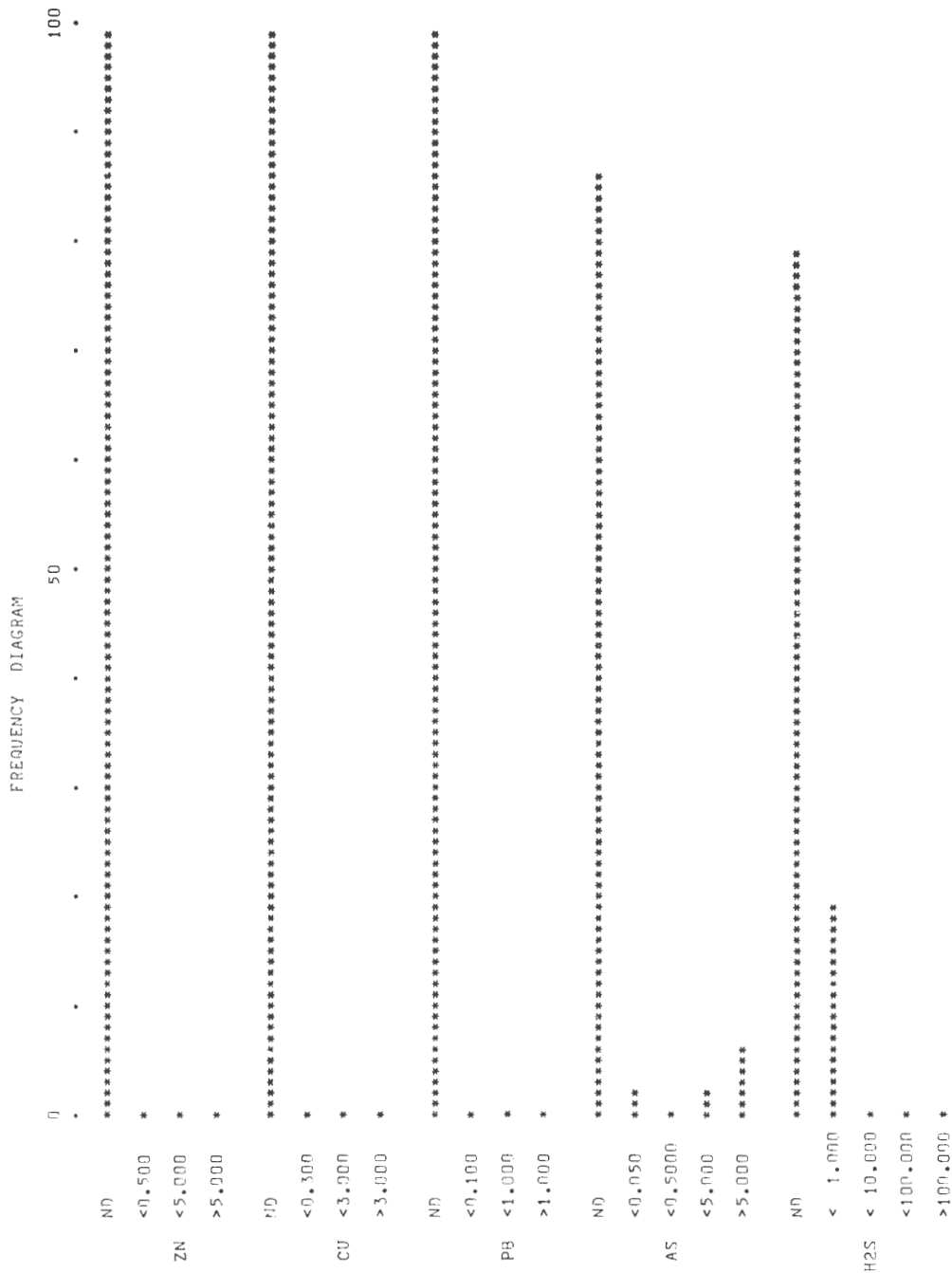
第 25-3 図 美方地咸水質組成図 (その 4) (水溫 90℃ 以上 120℃ 未満)



第 25-3 図 美方地域水質組成図 (その 5) (全試料)



第25-4図 美方地域特定成分含量の頻度分布図

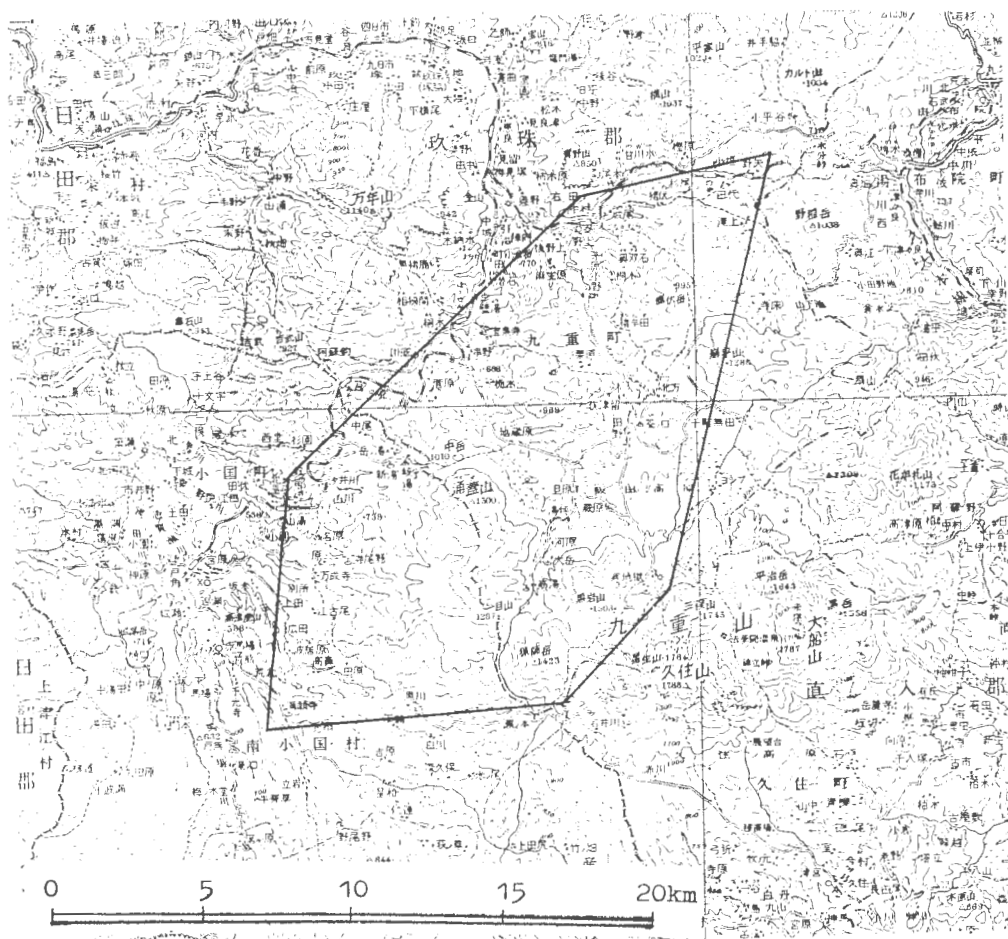


26. 湧 蓋

Waita

| | |
|-------|---|
| 位置 | 熊本県阿蘇郡小国町, 同郡南小国町, 大分県玖珠郡九重町 |
| データ数 | 46 |
| 収集・整理 | 永井 茂 |
| 協力 | 熊本県衛生公害研究所, 同阿蘇郡小国町, 同郡南小国町, 大分県環境保健部環境管理課, 同玖珠郡九重町 |

調査位置図 (20万分の1地勢図 大分)



第26-1表 湧蓋地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|--------|-----------------------------|-----|---------------|----------------|-------|-----------|---------------|
| WTC-1 | 大分県玖珠郡九重町大字野上3357 | 野中 | 矢村 | 1973. 5. 18 | 59 | 公衛温 928号 | |
| " - 2 | " " " " " " 1317の5 | 野中 | 村口の | 1965. 10. 1 | 54 | 衛研温 595号 | |
| " - 3 | " " " " " " 大字田野字釜ノ口1427 | 野中 | 新釜ノ口 | 1957. 5. 6 | 49 | " " 76号 | |
| " - 4 | " " " " " " " " 1424の1 | 野中 | 高尾 | " " 5. 6 | " | " " 77号 | |
| " - 5 | " " " " " " 1685の7 | 野中 | 大分交通ハイランドホテル | 1961. 4. 5 | 51 | " " 288号 | |
| " - 6 | " " " " " " 九重山国有林23班230 | 野中 | 大分交通ハイランドホテル | 1964. 8. 5 | 53 | " " 514号 | |
| " - 7 | " " " " " " 258 | 寒地 | 獄 | 1957. 5. 7 | 49 | " " 81号 | |
| " - 8 | " " " " " " 230 | " " | 星 | 1960. 2. 16 | 50 | " " 252号 | |
| " - 9 | " " " " " " 九重山国有林 | " " | やまなみ | (1966. 1) | 56 | " " " " | |
| " - 10 | " " " " " " 230 | 星 | 安部光子 | 1957. 5. 7 | 49 | 衛研温 67号 | |
| " - 11 | " " " " " " 大字湯坪字樋ノ口901の2 | 大 | 安部光子 | 1960. 3. 27 | 51 | " " 290号 | |
| " - 12 | " " " " " " 474 | " " | 湯 | 1957. 5. 10 | 49 | " " 69号 | |
| " - 13 | " " " " " " 字大岳 | " " | 飯田財産区 | (1960. 11) | 56 | " " " " | |
| " - 14 | " " " " " " 488 | " " | 九電5 | 1962. 8. 6 | 52 | 衛研温 382号 | 現在廃井 |
| " - 15 | " " " " " " 457 | " " | 穴井 | 1957. 5. 10 | 49 | " " 68号 | |
| " - 16 | " " " " " " 字石ノ塔716 | 筋 | 湯 | 1957. 5. 9 | " | " " 74号 | Q = 100 l / m |
| " - 17 | " " " " " " 551の1 | " " | 元 | (1963. 2) | 56 | " " " " | |
| " - 18 | " " " " " " 筋湯643 | " " | か | 1957. 5. 9 | 49 | 衛研温 70号 | |
| " - 19 | " " " " " " 659 | " " | か | " " 5. 9 | " | " " 72号 | Q = 22 l / m |
| " - 20 | " " " " " " 筋湯662 | " " | ち | " " 5. 9 | " | " " 75号 | Q = 65 l / m |
| " - 21 | " " " " " " 字園762 | " " | 朝日屋新館 | 1960. 2. 16 | 50 | " " 254号 | |
| " - 22 | " " " " " " 字八丁原606の2 | 八 | 九電八丁原2号 | 1969. 10. 21 | 55 | 温 研4430号 | D = 739m |
| " - 23 | " " " " " " " | 八 | 九電八丁原1号 | 1970. 1. 28 | 57 | 衛研温 793号 | |
| " - 24 | " " " " " " 字瀬ノ本628 | " " | 九重高原ミネラルウォーター | 1972. 1. 20 | 58 | 温 研4630号 | |
| " - 25 | 熊本県阿蘇郡小国町大字西里字岳ノ湯 | 岳 | 湯 | (1967. 8. 28) | 36 | 319-4 | |
| " - 26 | " " " " " " 字角詰2957の2 | " " | G S R - 4 | (1973. 5. 30) | 36 | 14 | |
| " - 27 | " " " " " " 字峽ノ湯2996 | 峽 | ふじや・松屋共同 | (1966. 10. 12) | " | 692 | |
| " - 28 | " " " " " " 大字北里字山川1397 | 山 | 山 | (1973. 5. 30) | " | 13 | |
| " - 29 | " " " " " " " | " " | 留 | (1967. 8. 28) | " | 391-3 | |
| " - 30 | " " " " " " 字奴留湯 | 奴 | 湯 | (" 8. 28) | " | 319-2 | |
| " - 31 | " " " " " " 大字上田字寺尾野 | 寺 | 野 | (" 8. 28) | " | 319-1 | |
| " - 32 | " " " " " " 南小国町大字満願寺2288の1 | 満 | 願 | (1971. 8. 16) | " | 240 | |
| " - 33 | " " " " " " " | " " | 静 | " | 34 | " | |
| " - 34 | " " " " " " 田の原 | 田 | 原 | " | 36 | " | |
| " - 35 | " " " " " " 黒川6775の1 | 黒 | 川 | (1970. 3. 31) | " | " | |

| No. | 産 | 地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備 | 考 |
|--------|-----------------|-----|-----|------------|--------------|-------|-------|---------------|---|---|
| WTC-36 | 熊本県阿蘇郡南小国町大字禰瀬寺 | 黒川 | 黒川 | もくちんホテル1号 | (1968.11.25) | 34 | 365 | | | |
| " -37 | " " | " " | " " | 湯本荘 | (1970.3.31) | " | | | | |
| " -38 | " " | " " | " " | 部落共同 | (1966.12.23) | " | 980 | | | |
| " -39 | " " | " " | " " | 瀬ノ本観光ホテル | (1970.3.31) | " | | | | |
| " -40 | " " | " " | " " | 新明館 | (1966.10.12) | " | 691 | | | |
| " -41 | " " | " " | " " | 瀬ノ本館1号 | (1972.7.12) | " | 75 | | | |
| " -42 | " " | " " | " " | 瀬ノ本館2号 | (1967.6.5) | " | 104 | | | |
| " -43 | " " | " " | " " | 瀬ノ本高原ホテル | (1972.7.12) | " | 77 | | | |
| " -44 | " " | " " | " " | 黒川ホテル別館 | (1966.7.11) | " | 225 | | | |
| " -45 | " " | " " | " " | 青雲山荘 | (1968.7.3) | " | 85 | | | |
| " -46 | " " | " " | " " | 瀬ノ本高原ホテル2号 | | " | | | | |

採水年月日の()は報告年月日、備考のQは湧(揚)水量(L/m), Dは深度(m)を示す。

第26-2表 消蓋地域水質一覽表

| | WTC 1 | WTC 2 | WTC 3 | WTC 4 |
|----------------------------------|---------|---------|----------|----------|
| NO | 51.5 | 37.0 | 41.0 | 43.0 |
| TEMP | 100.600 | 885.600 | 1993.000 | 2130.000 |
| TSM | 6.20 | 8.80 | 6.50 | 6.90 |
| PH(FD) | 6.10 | - | - | 6.50 |
| PH(CLB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 1.173 | 6.842 | 0.0 | 0.0 |
| INA | 6.897 | 253.000 | 5.960 | 66.460 |
| NH4 | - | - | 0.152 | 1.700 |
| CA | 6.978 | TR. | 14.185 | 14.646 |
| MG | 1.730 | - | 0.007 | 0.016 |
| FE | 0.100 | 0.184 | 6.591 | 6.452 |
| MN | TR. | - | 11.4.200 | 11.084 |
| ZN | - | - | 7.630 | 16.600 |
| CU | - | - | 0.273 | 0.594 |
| PB | - | - | 0.009 | 0.008 |
| AL | 0.033 | 0.240 | - | - |
| CL | TR. | 120.000 | 0.019 | 0.025 |
| BR | - | - | 6.060 | 6.432 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 0.107 | - | - |
| S04 | 4.939 | 99.280 | 322.500 | 338.900 |
| S203 | 0.510 | - | - | - |
| HCO3 | 55.270 | 324.600 | 19.734 | 21.045 |
| CO3 | 0.005 | 12.150 | 0.220 | 0.240 |
| SI02 (MG/KG) (MMOL/KG) | 30.790 | 67.402 | 163.040 | 172.047 |
| HB02 | 9.334 | 11.548 | 0.031 | 13.091 |
| H3PO4 | - | 0.267 | - | 0.146 |
| HAS02 | 0.001 | 0.058 | 0.001 | 0.001 |
| CO2 | 83.630 | 1.250 | 0.030 | 0.050 |
| H2S | - | - | 926.900 | 988.900 |
| RN (*F-10) (CURIE/L) | - | - | - | - |
| INA/K | 9.999 | 62.882 | 93.045 | 8.615 |
| CA/(HCO3+003) | 0.384 | - | 0.354 | 0.306 |
| MG/CA | 0.409 | - | 1.344 | 1.718 |
| NA/CA | 0.862 | - | 2.029 | 2.270 |
| CL/(HCO3+003) | - | 0.591 | 0.307 | 0.306 |
| -CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | 30.288 | 18.636 | 18.621 |
| S04*100/(CL+S04+HCO3+CO3) | - | 18.494 | 20.650 | 20.428 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 51.218 | 60.713 | 60.951 |
| (NA+K)*100/(NA+K+CA+MG) | 40.218 | - | 46.663 | 48.244 |
| CA*100/(NA+K+CA+MG) | 42.433 | - | 22.752 | 19.042 |
| MG*100/(NA+K+CA+MG) | 17.349 | - | 30.585 | 32.714 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | 48.782 | 39.287 | 39.049 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 51.218 | 60.713 | 60.951 |
| (NA+K)*100/(NA+K+CA+MG) | 40.218 | - | 46.663 | 48.244 |
| (CA+MG)*100/(NA+K+CA+MG) | 59.782 | - | 53.337 | 51.736 |

第26-2表 湧蓋地獄水質一覧表(つづき)

| | WTC 5 | WTC 6 | WTC 7 | WTC 8 |
|----------------------------------|----------|---------|---------|----------|
| NO | 465 | | 14.0 | 37.0 |
| TEMP | 2583.000 | 87.0 | 401.400 | 1280.000 |
| TSM | 5.20 | 76.850 | 4.30 | 5.80 |
| PH(PD) | | | | |
| PH(LLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0+0 | 0.002 | 0.050 | 0.002 |
| NA | 41.050 | 0.938 | 0.072 | 18.770 |
| NIH4 | 150.400 | 15.640 | 27.740 | 71.750 |
| CA | | 0.200 | 0.011 | 0.400 |
| MG | 400.500 | 2.639 | 38.840 | 180.800 |
| FE | 111.900 | 0.502 | 10.850 | 46.500 |
| MN | 23.400 | 0.838 | 0.010 | 18.200 |
| ZN | 4.300 | 0.157 | 0.240 | 11.600 |
| CU | | | | |
| PB | | | | |
| AL | 0.052 | 0.180 | 0.300 | 0.140 |
| CL | 530.900 | 14.977 | 22.090 | 179.800 |
| BR | | | | |
| II | | | | |
| F | | | | |
| OH | | | | |
| S04 | 783.462 | 11.930 | 174.887 | 464.500 |
| S203 | | | | |
| HC03 | 361.000 | 5.917 | 134.200 | 134.200 |
| CO3 | | | | |
| ST02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 144.787 | 2.411 | 90.008 | 117.025 |
| H3P04 | 11.060 | 0.252 | | 16.326 |
| HAS02 | 1.133 | 0.012 | | 1.160 |
| CO2 | | | | |
| H2S | 5468.000 | 124.233 | | 513.200 |
| IRN (*E-10 CURIE/L) | | | 2.844 | 11.660 |
| NA/K | 6.231 | 28.355 | 16.669 | 6.500 |
| CA/(HC03+CO3) | 3.378 | 0.263 | 0.461 | 4.102 |
| MG/CA | 0.461 | 0.314 | 0.623 | 0.424 |
| INA/CA | 0.327 | 5.166 | | 0.346 |
| CL/(HC03+CO3) | 2.531 | 0.360 | | 2.306 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 40.254 | 19.390 | | 29.937 |
| S04*100/(CL+S04+HC03+CO3) | 43.843 | 26.752 | | 57.080 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 15.903 | 53.858 | | 12.982 |
| (NA+K)*100/(NA+K+CA+MG) | 20.640 | 80.282 | 31.121 | 21.893 |
| CA*100/(NA+K+CA+MG) | 54.328 | 15.010 | 47.156 | 54.846 |
| MG*100/(NA+K+CA+MG) | 25.032 | 4.709 | 21.724 | 23.262 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 84.097 | 46.142 | | 87.018 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 15.903 | 53.858 | | 12.982 |
| (NA+K)*100/(NA+K+CA+MG) | 20.640 | 80.282 | 31.121 | 21.893 |
| (CA+MG)*100/(NA+K+CA+MG) | 79.360 | 19.718 | 68.879 | 78.107 |

第 26-2 表 湧蓋地域水質一覧表 (つづき)

| NO | WTC 9 | | | WTC 10 | | | WTC 11 | | | WTC 12 | | |
|----------------------------------|---------|---------|---------|----------|---------|---------|--------|---------|---------|--------|---------|---------|
| | TEMP | PH (FD) | PH (LB) | TEMP | PH (FD) | PH (LB) | TEMP | PH (FD) | PH (LB) | TEMP | PH (FD) | PH (LB) |
| H (MG/KG) (MVAL/KG) | 0.002 | 0.002 | 0.002 | 20.000 | 19.842 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| K | 0.117 | 0.003 | 0.003 | 12.580 | 0.322 | 9.070 | 0.232 | 0.232 | 0.232 | 8.420 | 0.215 | 0.215 |
| NA | 20.240 | 0.880 | 0.880 | 144.300 | 6.277 | 27.320 | 1.188 | 1.188 | 1.188 | 26.490 | 1.152 | 1.152 |
| INH4 | - | - | - | 0.350 | 0.019 | 1.200 | 0.067 | 0.067 | 0.067 | - | - | - |
| CA | 5.846 | 0.292 | 0.292 | 80.560 | 4.040 | 30.040 | 1.499 | 1.499 | 1.499 | 17.620 | 0.879 | 0.879 |
| MG | 0.658 | 0.054 | 0.054 | 61.270 | 5.042 | 3.689 | 0.304 | 0.304 | 0.304 | 4.467 | 0.368 | 0.368 |
| FE | 0.336 | 0.012 | 0.012 | 79.200 | 2.836 | 6.150 | 0.220 | 0.220 | 0.220 | 0.260 | 0.009 | 0.009 |
| MN | - | - | - | 2.740 | 0.100 | 0.340 | 0.012 | 0.012 | 0.012 | - | - | - |
| ZN | - | - | - | - | - | - | - | - | - | - | - | - |
| CU | - | - | - | - | - | - | - | - | - | - | - | - |
| PB | - | - | - | 2.250 | 0.250 | 0.052 | 0.006 | 0.006 | 0.006 | 0.175 | 0.019 | 0.019 |
| AL | - | - | - | - | - | - | - | - | - | - | - | - |
| CL | 10.770 | 0.304 | 0.304 | 107.200 | 3.024 | 9.219 | 0.260 | 0.260 | 0.260 | 25.000 | 0.705 | 0.705 |
| BR | - | - | - | - | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - | - | - | - | - |
| F | - | - | - | - | - | - | - | - | - | - | - | - |
| OH | - | - | - | - | - | - | - | - | - | - | - | - |
| S04 | 21.490 | 0.447 | 0.447 | 2335.771 | 48.631 | 65.700 | 1.368 | 1.368 | 1.368 | 91.690 | 1.909 | 1.909 |
| S203 | 0.561 | 0.010 | 0.010 | - | - | - | - | - | - | - | - | - |
| HCO3 | 32.460 | 0.532 | 0.532 | 0.0 | - | 118.300 | 1.939 | 1.939 | 1.939 | 43.230 | 0.709 | 0.709 |
| CO3 | - | - | - | - | - | 0.009 | 0.000 | 0.000 | 0.000 | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 44.401 | 0.739 | 0.739 | 189.632 | 3.157 | 56.204 | 0.936 | 0.936 | 0.936 | 48.001 | 0.799 | 0.799 |
| HB02 | 3.467 | 0.079 | 0.079 | 4.920 | 0.050 | 6.635 | 0.151 | 0.151 | 0.151 | - | - | - |
| H3P04 | - | - | - | - | - | - | - | - | - | - | - | - |
| HAS02 | - | - | - | - | - | - | - | - | - | - | - | - |
| CO2 | 156.000 | 3.544 | 3.544 | - | - | - | - | - | - | - | - | - |
| H2S | 0.012 | 0.000 | 0.000 | - | - | 227.700 | 5.173 | 5.173 | 5.173 | 13.200 | 0.300 | 0.300 |
| IRN (*E-10 CURIE/L) | - | - | - | - | - | - | - | - | - | - | - | - |
| INA/K | 294.180 | - | - | 19.506 | - | - | 5.122 | - | - | 5.350 | - | - |
| CA/(HCO3+CO3) | 0.548 | - | - | - | - | - | 0.773 | - | - | 1.241 | - | - |
| MG/CA | 0.186 | - | - | 1.248 | - | - | 0.203 | - | - | 0.418 | - | - |
| INA/CA | 3.018 | - | - | 1.554 | - | - | 0.793 | - | - | 1.311 | - | - |
| CL/(HCO3+CO3) | 0.571 | - | - | - | - | - | 0.134 | - | - | 0.995 | - | - |
| CL/F | - | - | - | - | - | - | - | - | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 23.676 | - | - | 5.854 | - | - | 17.291 | - | - | 21.225 | - | - |
| S04*100/(CL+S04+HCO3+CO3) | 34.866 | - | - | 94.146 | - | - | 38.346 | - | - | 57.452 | - | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 41.458 | - | - | 0.0 | - | - | 54.363 | - | - | 21.324 | - | - |
| ONA+K)*100/(NA+K+CA+MG) | 71.865 | - | - | 42.083 | - | - | 44.072 | - | - | 52.312 | - | - |
| CA*100/(NA+K+CA+MG) | 23.730 | - | - | 23.764 | - | - | 46.509 | - | - | 33.629 | - | - |
| MG*100/(NA+K+CA+MG) | 4.405 | - | - | 32.154 | - | - | 9.419 | - | - | 14.060 | - | - |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 58.542 | - | - | 100.000 | - | - | 45.637 | - | - | 78.676 | - | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 41.458 | - | - | 0.0 | - | - | 54.363 | - | - | 21.324 | - | - |
| ONA+K)*100/(ONA+K+CA+MG) | 71.865 | - | - | 42.083 | - | - | 44.072 | - | - | 52.312 | - | - |
| (CA+MG)*100/(ONA+K+CA+MG) | 28.135 | - | - | 57.917 | - | - | 55.928 | - | - | 47.688 | - | - |

第26-2表 湧蓋地域水質一覧表(つづき)

| INO | WTC 13 | WTC 14 | WTC 15 | WTC 16 |
|----------------------------------|---------|----------|---------|---------|
| TEMP | 60.0 | 58.0 | 84.0 | 45.0 |
| TSM | 130.000 | 2038.000 | 361.600 | - |
| PH(FD) | 4.90 | 8.00 | 7.70 | 3.40 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(HWAL/KG) | 0.013 | 0.013 | - | 0.400 |
| K | 2.424 | 64.900 | 11.550 | 0.295 |
| NA | 9.038 | 550.300 | 35.690 | 24.260 |
| NH4 | 1.500 | 0.800 | 0.350 | 136.000 |
| CA | 11.450 | 33.890 | 18.020 | 0.470 |
| MG | 2.139 | 7.551 | 1.621 | 6.810 |
| FE | 0.640 | 0.051 | 0.105 | 0.340 |
| MN | 0.200 | 0.300 | 0.002 | 3.830 |
| ZN | - | - | 0.011 | 3.050 |
| CU | - | - | 0.186 | 0.180 |
| PB | - | - | - | 0.007 |
| AL | 0.360 | 0.160 | 0.040 | - |
| CL | 13.830 | 742.800 | 10.870 | 0.140 |
| BR | - | - | - | 0.004 |
| I | - | - | - | 0.007 |
| F | - | - | - | - |
| OH | - | 0.056 | 0.003 | - |
| S04 | 31.456 | 217.200 | 4.522 | 0.000 |
| S203 | - | - | 27.160 | 0.565 |
| HCO3 | 20.170 | 149.000 | 142.000 | 2.327 |
| CO3 | - | 0.880 | 0.420 | 0.014 |
| SI02 (MG/KG)(MMOL/KG) | - | 255.494 | 112.044 | 1.866 |
| HB02 | 0.221 | - | - | 15.240 |
| H3P04 | 0.334 | 0.219 | 0.470 | 0.348 |
| HAS02 | - | 1.000 | - | 0.202 |
| CO2 | 625.600 | 3.565 | - | 0.200 |
| H2S | - | - | 6.830 | 0.002 |
| RN (*E-10) (CURIE/L) | - | - | - | - |
| NA/K | 6.341 | 14.419 | 5.255 | 9.533 |
| CA/(HCO3+CO3) | 1.728 | 0.684 | 0.384 | - |
| MG/CA | 0.308 | 0.367 | 0.117 | 0.927 |
| NA/CA | 0.688 | 14.135 | 1.727 | 17.409 |
| CL/(HCO3+CO3) | 1.180 | 8.479 | 0.131 | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 28.361 | 74.977 | 9.542 | - |
| S04*100/(CL+S04+HCO3+CO3) | 47.608 | 16.180 | 17.597 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 24.031 | 8.843 | 72.861 | - |
| (NA+K)*100/(NA+K+CA+MG) | 37.850 | 91.715 | 64.792 | 90.892 |
| CA*100/(NA+K+CA+MG) | 47.513 | 6.059 | 31.527 | 4.725 |
| MG*100/(NA+K+CA+MG) | 14.637 | 2.226 | 3.681 | 4.383 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 75.969 | 91.157 | 27.139 | - |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 24.031 | 8.843 | 72.861 | - |
| (NA+K)*100/(NA+K+CA+MG) | 37.850 | 91.715 | 64.792 | 90.892 |
| (CA+MG)*100/(NA+K+CA+MG) | 62.150 | 8.285 | 35.208 | 9.108 |

第26-2表 湧蓋地域水質一覧表(つつき)

| | WTC 17 | WTC 18 | WTC 19 | WTC 20 |
|----------------------------------|---------|---------|---------|---------|
| INC | 64.5 | 61.5 | 62.0 | 61.0 |
| TEMP | 255.000 | 725.600 | 826.500 | 880.600 |
| TSM | 6.30 | 3.30 | 3.60 | 3.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 0.0 | 0.500 | 0.250 | 0.400 |
| K | 3.519 | 30.220 | 35.340 | 36.540 |
| NA | 19.550 | 168.200 | 203.300 | 195.600 |
| INH4 | 2.000 | 0.520 | - | 0.550 |
| CA | 19.510 | 6.406 | 7.206 | 8.007 |
| MG | 3.636 | 5.045 | 4.467 | 3.829 |
| FE | 0.164 | 4.050 | 4.467 | 0.315 |
| MN | 0.340 | 0.006 | 0.184 | 4.370 |
| ZN | - | 0.160 | 0.007 | 0.186 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.120 | 0.250 | 0.200 | 0.140 |
| CL | 6.382 | 266.700 | 310.300 | 306.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 20.560 | 94.694 | 102.851 | 104.066 |
| S04 | - | - | - | - |
| S203 | 104.800 | - | - | - |
| HC03 | 0.020 | - | - | - |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 59.804 | 1.722 | 108.394 | 139.397 |
| HB02 | 6.421 | 0.147 | 21.770 | 23.950 |
| H3P04 | 0.790 | 0.001 | 0.206 | 0.206 |
| HAS02 | - | - | - | - |
| IC02 | 80.630 | 1.832 | - | 0.030 |
| IC2S | - | - | - | - |
| IRN (*E-10 .CURIE/L) | - | - | - | - |
| INA/K | 9.447 | 9.465 | 9.783 | 9.103 |
| ICA/(HC03+CO3) | 0.567 | - | - | - |
| JMG/GA | 0.307 | 1.299 | 1.022 | 0.789 |
| INA/GA | 0.874 | 22.889 | 24.594 | 21.295 |
| ICL/(HC03+CO3) | 0.105 | - | - | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 7.739 | - | - | - |
| S04*100/(CL+S04+HC03+CO3) | 18.400 | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.861 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 42.492 | 91.673 | 93.058 | 92.965 |
| CA*100/(NA+K+CA+MG) | 43.988 | 3.622 | 3.433 | 3.933 |
| MG*100/(NA+K+CA+MG) | 13.519 | 4.705 | 3.509 | 3.102 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 26.139 | - | - | - |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 73.861 | - | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 42.492 | 91.673 | 93.058 | 92.965 |
| (CA+MG)*100/(NA+K+CA+MG) | 57.508 | 8.327 | 6.942 | 7.035 |

第26-2表 湖蓋地域水質一覧表(つづき)

| NO | TFMP | TSM | PH(FD) | PH(LB) | WTC 25 | | | WTC 26 | | | WTC 27 | | | WTC 28 | | |
|----|---------|---------|--------|--------------------------------|---------|----------|---------|---------|---------|---------|---------|---------|--------|--------|--------|------|
| | | | | | 0.005 | 0.005 | 0.005 | 0.0 | 3.298 | 0.0 | 0.0 | 0.072 | 0.001 | 0.001 | 0.001 | 50.9 |
| | 45.7 | 154.200 | 5.52 | - | 1.100 | 0.028 | 128.936 | 0.028 | 3.298 | 2.800 | 0.072 | 0.001 | 12.561 | 0.321 | 0.001 | |
| | 154.200 | 5.52 | - | 21.200 | 0.922 | 919.540 | 0.020 | 40.000 | 5.800 | 0.252 | 0.000 | 116.605 | 5.072 | 0.000 | | |
| | | | | 0.360 | 0.020 | 0.900 | 0.050 | 0.050 | 0.800 | 0.044 | 0.070 | 0.026 | 0.026 | 0.026 | 0.026 | |
| | | | | 11.264 | 0.562 | 18.841 | 0.845 | 0.845 | 89.445 | 4.463 | 149.134 | 7.442 | 7.442 | 7.442 | 7.442 | |
| | | | | 0.516 | 0.042 | 0.025 | 0.002 | 0.002 | 4.090 | 0.337 | 3.403 | 0.280 | 0.280 | 0.280 | 0.280 | |
| | | | | 1.582 | 0.057 | 0.050 | 0.002 | 0.002 | 0.403 | 0.014 | 0.060 | 0.002 | 0.002 | 0.002 | 0.002 | |
| | | | | 0.008 | 0.010 | 0.010 | 0.000 | 0.000 | 0.035 | 0.001 | 0.209 | 0.008 | 0.008 | 0.008 | 0.008 | |
| | | | | 0.029 | 0.001 | 0.032 | 0.001 | 0.001 | 0.094 | 0.003 | 0.021 | 0.001 | 0.001 | 0.001 | 0.001 | |
| | | | | 0.003 | 0.000 | 0.148 | 0.005 | 0.005 | 0.065 | 0.002 | 0.121 | 0.004 | 0.004 | 0.004 | 0.004 | |
| | | | | 0.004 | 0.000 | 0.006 | 0.000 | 0.000 | - | - | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | | | 0.048 | 0.005 | 0.040 | 0.004 | 0.004 | 0.228 | 0.025 | 0.090 | 0.010 | 0.010 | 0.010 | 0.010 | |
| | | | | 14.180 | 0.400 | 1479.928 | 41.749 | 41.749 | 38.851 | 1.096 | 72.565 | 2.047 | 2.047 | 2.047 | 2.047 | |
| | | | | | | 3.923 | 0.049 | 0.049 | 0.362 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | |
| | | | | | | 0.036 | 0.000 | 0.000 | 0.008 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | | | 0.052 | 0.003 | 3.898 | 0.205 | 0.205 | 0.100 | 0.005 | 0.593 | 0.031 | 0.031 | 0.031 | 0.031 | |
| | | | | TR | - | 0.032 | 0.002 | 0.002 | 0.017 | 0.001 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | | | | 10.865 | 0.226 | 88.911 | 1.851 | 1.851 | 57.782 | 1.203 | 550.991 | 11.472 | 11.472 | 11.472 | 11.472 | |
| | | | | 0.035 | 0.001 | 0.014 | 0.000 | 0.000 | 0.015 | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | | | 61.203 | 1.003 | 78.892 | 1.293 | 1.293 | 174.695 | 2.863 | 16.533 | 0.271 | 0.271 | 0.271 | 0.271 | |
| | | | | 0.006 | 0.000 | 0.930 | 0.031 | 0.031 | 0.102 | 0.003 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | | | 22.135 | 0.369 | 565.926 | 9.423 | 9.423 | 48.412 | 0.806 | 50.828 | 0.846 | 0.846 | 0.846 | 0.846 | |
| | | | | 1.915 | 0.044 | 45.413 | 1.036 | 1.036 | 0.992 | 0.023 | 2.375 | 0.068 | 0.068 | 0.068 | 0.068 | |
| | | | | | | 0.407 | 0.004 | 0.004 | 0.006 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | | | 0.001 | 0.000 | 1.421 | 0.013 | 0.013 | 41.976 | 0.954 | 25.043 | 0.569 | 0.569 | 0.569 | 0.569 | |
| | | | | 147.571 | 3.353 | 0.948 | 0.022 | 0.022 | 3.074 | 0.090 | 4.208 | 0.123 | 0.123 | 0.123 | 0.123 | |
| | | | | 4.353 | 0.128 | 1.823 | 0.054 | 0.054 | - | - | - | - | - | - | - | |
| | | | | | | 11.200 | 11.200 | 11.200 | 13.880 | 13.880 | 10.560 | 10.560 | 10.560 | 10.560 | 10.560 | |
| | | | | 32.774 | 0.560 | 18.128 | 3.523 | 3.523 | 3.523 | 15.786 | 15.786 | 15.786 | 15.786 | 15.786 | 15.786 | |
| | | | | 0.560 | 0.076 | 0.714 | 1.557 | 1.557 | 27.453 | 0.038 | 0.038 | 0.038 | 0.038 | 0.038 | 0.038 | |
| | | | | MG/CA | 0.076 | 0.002 | 0.075 | 0.075 | 0.075 | 0.038 | 0.038 | 0.038 | 0.038 | 0.038 | 0.038 | |
| | | | | NA/CA | 1.641 | 42.321 | 0.057 | 0.057 | 0.057 | 0.682 | 0.682 | 0.682 | 0.682 | 0.682 | 0.682 | |
| | | | | 0.399 | 31.531 | 0.382 | 0.382 | 0.382 | 7.552 | 7.552 | 7.552 | 7.552 | 7.552 | 7.552 | 7.552 | |
| | | | | 146.137 | 203.463 | 203.463 | 203.463 | 203.463 | 208.204 | 208.204 | 65.578 | 65.578 | 65.578 | 65.578 | 65.578 | |
| | | | | 24.548 | 24.548 | 92.932 | 21.217 | 21.217 | 14.845 | 14.845 | 14.845 | 14.845 | 14.845 | 14.845 | 14.845 | |
| | | | | 13.882 | 13.882 | 4.121 | 2.289 | 2.289 | 83.189 | 83.189 | 83.189 | 83.189 | 83.189 | 83.189 | 83.189 | |
| | | | | 61.570 | 61.570 | 2.947 | 55.494 | 55.494 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | |
| | | | | (NA+K)*100/(NA+K+CA+MG) | 61.120 | 97.859 | 6.322 | 6.322 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | |
| | | | | 36.149 | 2.136 | 87.109 | 6.322 | 6.322 | 56.741 | 56.741 | 56.741 | 56.741 | 56.741 | 56.741 | 56.741 | |
| | | | | 2.751 | 0.005 | 0.005 | 6.569 | 6.569 | 2.135 | 2.135 | 2.135 | 2.135 | 2.135 | 2.135 | 2.135 | |
| | | | | (CL+S04)*100/(CL+S04+HC03+C03) | 38.430 | 97.053 | 44.506 | 44.506 | 98.034 | 98.034 | 98.034 | 98.034 | 98.034 | 98.034 | 98.034 | |
| | | | | 61.570 | 61.570 | 2.947 | 55.494 | 55.494 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | 1.966 | |
| | | | | (NA+K)*100/(NA+K+CA+MG) | 61.120 | 97.859 | 6.322 | 6.322 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | 41.124 | |
| | | | | 38.880 | 2.141 | 93.678 | 6.569 | 6.569 | 58.876 | 58.876 | 58.876 | 58.876 | 58.876 | 58.876 | 58.876 | |

第26-2表 湧蓋地帯水質一覽表 (つづき)

| NO | WTC 29 | | WTC 30 | | WTC 31 | | WTC 32 | |
|----------------------------------|----------|---------|----------|----------|---------|---------|---------|--|
| | TEMP | 50.1 | 38.6 | 48.5 | 36.0 | 48.5 | 36.0 | |
| TSP | 1034.400 | 767.200 | 1696.800 | 1696.800 | 513.816 | 513.816 | 513.816 | |
| PH(CPD) | 5.56 | 6.17 | 6.28 | 6.28 | 6.60 | 6.60 | 6.60 | |
| PH(CLB) | - | - | - | - | - | - | - | |
| H (MG/KG)(MVAL/KG) | 0.005 | 0.005 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | |
| K | 12.400 | 0.317 | 9.200 | 0.235 | 17.600 | 0.450 | 30.036 | |
| NA | 77.900 | 3.389 | 47.800 | 2.079 | 64.100 | 2.788 | 152.111 | |
| INH4 | 0.750 | 0.042 | 0.900 | 0.050 | 1.650 | 0.091 | 0.044 | |
| CA | 204.090 | 10.184 | 135.050 | 6.739 | 397.916 | 19.856 | 22.403 | |
| MG | 0.341 | 0.028 | 0.122 | 0.010 | 0.647 | 0.053 | 1.145 | |
| FE | 0.910 | 0.033 | 0.581 | 0.021 | 2.420 | 0.087 | 13.909 | |
| MN | 0.050 | 0.002 | 0.055 | 0.002 | 0.035 | 0.001 | 0.052 | |
| ZN | 0.082 | 0.003 | 0.003 | 0.000 | 0.044 | 0.001 | 0.000 | |
| CU | 0.018 | 0.001 | 0.019 | 0.001 | 0.013 | 0.000 | 0.003 | |
| PB | 0.005 | 0.000 | 0.009 | 0.000 | 0.002 | 0.000 | 0.000 | |
| AL | 0.132 | 0.015 | 0.200 | 0.022 | 0.151 | 0.017 | 0.002 | |
| CL | 83.308 | 2.350 | 42.540 | 1.200 | 24.829 | 0.700 | 84.586 | |
| BR | - | - | - | - | - | - | 0.073 | |
| I | - | - | - | - | - | - | 0.073 | |
| F | 0.920 | 0.048 | 0.605 | 0.032 | 1.020 | 0.054 | 0.236 | |
| OH | TR. | - | TR. | - | TR. | - | 0.0 | |
| S04 | 516.043 | 10.744 | 345.044 | 7.184 | 933.766 | 19.441 | 71.540 | |
| S203 | 0.040 | 0.036 | 0.036 | 0.021 | 0.021 | 0.000 | 0.027 | |
| HC03 | 52.648 | 0.863 | 45.051 | 0.738 | 191.960 | 3.146 | 187.639 | |
| C03 | 0.006 | 0.000 | 0.006 | 0.000 | 0.006 | 0.000 | 0.017 | |
| S102 (MG/KG)(MMOL/KG) | 53.895 | 0.897 | 101.296 | 1.687 | 45.105 | 0.751 | 63.896 | |
| HB02 | 13.041 | 0.298 | 7.936 | 0.181 | 0.863 | 0.020 | 3.296 | |
| H3P04 | 0.083 | 0.001 | 0.029 | 0.000 | 0.029 | 0.000 | 0.244 | |
| HAS02 | 0.009 | 0.000 | 0.004 | 0.000 | 0.039 | 0.000 | 0.019 | |
| C02 | 126.758 | 2.880 | 108.136 | 2.457 | 78.860 | 1.792 | 69.925 | |
| H2S | 4.420 | 0.130 | 2.382 | 0.070 | 2.515 | 0.074 | 0.373 | |
| ARN (*E-10 CURIE/L) | 2.110 | - | 4.600 | - | 3.540 | - | 11.600 | |
| NA/K | 10.683 | 8.835 | 8.835 | 6.193 | 6.193 | 5.215 | 5.215 | |
| CA/(HC03+C03) | 11.799 | 9.124 | 9.124 | 6.311 | 6.311 | 0.363 | 0.363 | |
| MG/CA | 0.003 | 0.001 | 0.003 | 0.003 | 0.003 | 1.024 | 1.024 | |
| NA/CA | 0.333 | 0.309 | 0.309 | 0.140 | 0.140 | 3.584 | 3.584 | |
| CL/(HC03+C03) | 2.723 | 1.625 | 1.625 | 0.223 | 0.223 | 0.776 | 0.776 | |
| CL/F | 48.527 | 37.682 | 37.682 | 13.045 | 13.045 | 192.076 | 192.076 | |
| CL*100/(CL+S04+HC03+C03) | 16.838 | 13.155 | 13.155 | 3.008 | 3.008 | 34.325 | 34.325 | |
| S04*100/(CL+S04+HC03+C03) | 76.978 | 78.749 | 78.749 | 83.481 | 83.481 | 21.426 | 21.426 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.184 | 8.096 | 8.096 | 13.511 | 13.511 | 44.248 | 44.248 | |
| (NA+K)*100/(NA+K+CA+MG) | 26.626 | 25.538 | 25.538 | 13.991 | 13.991 | 67.852 | 67.852 | |
| CA*100/(NA+K+CA+MG) | 73.172 | 74.352 | 74.352 | 85.779 | 85.779 | 15.885 | 15.885 | |
| MG*100/(NA+K+CA+MG) | 0.202 | 0.111 | 0.111 | 0.230 | 0.230 | 16.264 | 16.264 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.816 | 91.904 | 91.904 | 86.489 | 86.489 | 55.752 | 55.752 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.184 | 8.096 | 8.096 | 13.511 | 13.511 | 44.248 | 44.248 | |
| (NA+K)*100/(NA+K+CA+MG) | 26.626 | 25.538 | 25.538 | 13.991 | 13.991 | 67.852 | 67.852 | |
| (CA+MG)*100/(NA+K+CA+MG) | 73.374 | 74.462 | 74.462 | 86.009 | 86.009 | 32.148 | 32.148 | |

第26-2表 湖蓋地域水質一覽表 (つづき)

| | WTC 33 | WTC 34 | WTC 35 | WTC 36 |
|----------------------------------|---------|----------|------------|----------|
| NO | | | | |
| TEMP | 42.8 | 57.2 | 48.6 | 48.0 |
| TSW | 814.100 | 1293.000 | 772.000 | 822.000 |
| PH(FD) | 8.50 | 7.95 | 2.69 | 3.88 |
| PH(LB) | - | - | - | 4.10 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 7.100 | 18.400 | 2.066 | 0.133 |
| NA | 122.900 | 211.600 | 42.800 | 40.600 |
| INH4 | - | 9.205 | 117.903 | 179.780 |
| CA | 41.200 | 2.869 | 0.389 | 1.400 |
| MG | 29.100 | 31.600 | 28.013 | 20.040 |
| FE | 0.500 | 1.100 | 7.363 | 16.197 |
| MN | - | - | 0.375 | 1.640 |
| ZN | - | - | 0.660 | 1.190 |
| CU | - | - | 0.150 | 0.324 |
| PB | - | - | 0.015 | 0.050 |
| AL | 0.100 | 0.300 | 0.034 | 0.087 |
| CL | 147.500 | 244.300 | 0.159 | 0.234 |
| BR | - | 4.161 | 198.481 | 310.400 |
| I | - | - | - | - |
| F | - | - | 0.398 | 5.700 |
| OH | - | - | 0.0 | TR. |
| S04 | 119.500 | 250.800 | 242.693 | 120.235 |
| S203 | 204.500 | 189.300 | 0.010 | 0.002 |
| HC03 | - | 3.103 | 0.001 | 0.055 |
| .003 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 108.856 | 210.480 | 93.597 | 85.355 |
| H3PO4 | - | - | 8.481 | 12.046 |
| HAS02 | - | - | 0.32 | 0.186 |
| CO2 | 21.200 | 51.500 | 0.090 | 0.237 |
| H2S | - | - | 22.005 | 13.177 |
| | - | - | 0.988 | 0.893 |
| IBN (*E-10 CURTIE/L) | 10.265 | 2.184 | 1.820 | 0.360 |
| INA/K | 29.436 | 19.556 | 4.685 | 7.530 |
| CA/(HC03+CO3) | 0.614 | 0.925 | 85286.681 | 1109.318 |
| MG/CA | 1.165 | 0.906 | 0.433 | 1.333 |
| INA/CA | 2.600 | 3.208 | 3.669 | 7.820 |
| CL/(HC03+CO3) | 1.243 | 2.221 | 341619.830 | 9713.666 |
| CL/F | - | - | 267.253 | 29.183 |
| CL*100/(CL+S04+HC03+CO3) | 41.620 | 45.293 | 52.564 | 77.761 |
| S04*100/(CL+S04+HC03+CO3) | 24.886 | 34.517 | 47.436 | 22.231 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 33.493 | 20.391 | 0.000 | 0.008 |
| ONA+K)*100/(ONA+K+CA+MG) | 55.398 | 63.885 | 75.645 | 79.156 |
| CA*100/(ONA+K+CA+MG) | 20.604 | 18.945 | 16.990 | 8.935 |
| MG*100/(ONA+K+CA+MG) | 23.998 | 17.170 | 17.364 | 11.909 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 66.507 | 79.609 | 100.000 | 99.992 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 33.493 | 20.391 | 0.000 | 0.008 |
| ONA+K)*100/(ONA+K+CA+MG) | 55.398 | 63.885 | 75.645 | 79.156 |
| CA+MG)*100/(ONA+K+CA+MG) | 44.602 | 36.115 | 24.355 | 20.844 |

第26-2表 湧蓋地獄水質一覽表 (つづき)

| | WTC 37 | WTC 38 | WTC 39 | WTC 40 |
|----------------------------------|----------|------------|----------|------------|
| INO | 95.4 | 82.7 | 80.0 | 92.8 |
| TEMP | 1361.700 | 1620.800 | 1585.300 | 1395.600 |
| TSM | 3.82 | 2.42 | 3.31 | 2.77 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KC) | - | 3.871 | 0.386 | 1.734 |
| K | 88.200 | 70.800 | 98.200 | 67.600 |
| NA | 301.100 | 306.426 | 358.356 | 298.637 |
| INH4 | - | 1.069 | 1.750 | 0.894 |
| CA | 52.900 | 52.301 | 45.998 | 35.299 |
| MG | 8.900 | 13.008 | 11.222 | 16.689 |
| FE | 0.900 | 0.322 | 4.360 | 0.481 |
| MN | - | 1.480 | 0.280 | 1.411 |
| ZN | - | 0.022 | 0.304 | 0.034 |
| CU | - | 0.0 | - | 0.072 |
| PB | - | 0.014 | 0.000 | 0.013 |
| AL | 1.000 | 0.318 | 0.352 | 1.112 |
| CL | 479.400 | 551.569 | 567.312 | 479.203 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | 0.874 | 0.725 | 0.896 |
| OH | - | 0.0 | - | 0.0 |
| SO4 | 271.900 | 364.111 | 290.113 | 310.692 |
| S2O3 | - | 0.021 | 0.025 | 0.019 |
| HCO3 | - | 0.002 | - | 0.001 |
| CO3 | - | - | - | - |
| STO2 (MG/KG) (MMOL/KC) | 204.326 | 185.194 | 159.734 | 130.396 |
| HB02 | - | 12.084 | 1.518 | 10.592 |
| H3PO4 | - | 0.646 | 0.062 | 0.001 |
| HASO2 | - | 1.262 | 0.803 | 0.863 |
| CO2 | 27.100 | 43.130 | 26.730 | 24.205 |
| H2S | 2.900 | 2.931 | 0.499 | 3.101 |
| IRN (*E-10) (CURIE/L) | 0.364 | 0.850 | 0.800 | 0.970 |
| NA/K | 5.805 | 7.360 | 6.206 | 7.513 |
| CA/(HCO3+CO3) | - | 79616.226 | - | 107469.195 |
| MG/CA | 0.277 | 0.410 | 0.402 | 0.780 |
| INA/CA | 4.962 | 5.107 | 6.791 | 7.375 |
| CL/(HCO3+CO3) | - | 474672.407 | - | 824790.520 |
| CL/F | - | 338.202 | 419.345 | 286.615 |
| CL*100/(CL+SO4+HCO3+CO3) | - | 67.240 | - | 67.636 |
| SO4*100/(CL+SO4+HCO3+CO3) | - | 32.760 | - | 32.364 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | - | 0.000 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 81.993 | 80.446 | 84.902 | 82.443 |
| CA*100/(NA+K+CA+MG) | 14.096 | 13.867 | 10.766 | 9.865 |
| MG*100/(NA+K+CA+MG) | 3.911 | 5.687 | 4.332 | 7.692 |
| (CL+SO4)*100/(CL+SO4+HCO3+CO3) | - | 100.000 | - | 100.000 |
| (HCO3+CO3)*100/(CL+SO4+HCO3+CO3) | - | 0.000 | - | - |
| (NA+K)*100/(NA+K+CA+MG) | 81.993 | 80.446 | 84.902 | 82.443 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.007 | 15.554 | 15.098 | 17.557 |

第26-2表 汚蓋地域水質一覧表 (つづき)

| | WTC 41 | WTC 42 | WTC 43 | WTC 44 |
|----------------------------------|----------|-----------|---------|-----------|
| INO | 85.5 | 88.8 | 54.4 | 85.0 |
| TEMP | 1319.000 | 1746.699 | 334.000 | 1427.256 |
| TSM | 3.80 | 3.38 | 8.30 | 3.69 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | 0.302 | 0.423 | 0.420 | 0.207 |
| K | 62.000 | 81.032 | 2.073 | 66.040 |
| NA | 334.300 | 387.035 | 16.836 | 316.010 |
| NH4 | 0.200 | 2.417 | 0.134 | 1.697 |
| CA | 35.849 | 42.417 | 3.259 | 34.421 |
| MG | 5.008 | 15.326 | 0.122 | 12.437 |
| FE | 2.250 | 0.948 | 0.034 | 1.481 |
| MN | 2.250 | 0.276 | 0.010 | 0.193 |
| ZN | 0.143 | 0.180 | 0.006 | 0.172 |
| -CU | - | 0.068 | 0.002 | 0.068 |
| PB | - | 0.006 | 0.000 | 0.006 |
| AL | 0.217 | 0.260 | 0.029 | 0.204 |
| CL | 510.624 | 16.206 | 7.801 | 458.991 |
| BR | - | 1.746 | - | 1.413 |
| I | - | 0.508 | 0.004 | 0.201 |
| F | 0.200 | 1.080 | 0.057 | 0.549 |
| OH | - | 0.0 | - | 0.0 |
| S04 | 213.139 | 304.183 | 6.333 | 245.746 |
| S203 | 0.011 | 0.027 | 0.030 | 0.027 |
| HC03 | - | 0.044 | 138.972 | 0.055 |
| CO3 | - | - | 0.456 | - |
| SI02 (MG/KG) (MMOL/KG) | 112.826 | 192.727 | 3.209 | 154.340 |
| HB02 | 4.252 | 16.450 | 0.375 | 16.064 |
| H3PO4 | 0.619 | 0.650 | 0.007 | 0.107 |
| HAS02 | 0.934 | 0.867 | 0.008 | 1.109 |
| C02 | 38.720 | 42.217 | 0.959 | 26.566 |
| H2S | 3.154 | 0.937 | 0.028 | 0.443 |
| RN (*E-10 CURIE/L) | 0.980 | 1.070 | 0.530 | 1.280 |
| NA/K | 9.169 | 8.122 | 9.845 | 8.137 |
| CA/(HC03+CO3) | - | 2935.005 | 0.071 | 1905.383 |
| MG/CA | 0.230 | 0.596 | 0.062 | 0.596 |
| NA/CA | 8.129 | 7.954 | 11.769 | 8.003 |
| CL/(HC03+CO3) | - | 22472.436 | 0.096 | 14363.676 |
| CL/F | 1368.228 | 285.064 | 6.432 | 259.194 |
| CL*100/(CL+S04+HC03+CO3) | - | 71.900 | 7.755 | 71.673 |
| S04*100/(CL+S04+HC03+CO3) | - | 28.097 | 11.444 | 28.322 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 0.003 | 80.801 | 0.005 |
| (NA+K)*100/(NA+K+CA+MG) | 87.992 | 84.844 | 92.431 | 84.920 |
| CA*100/(NA+K+CA+MG) | 9.760 | 9.497 | 7.129 | 9.449 |
| MG*100/(NA+K+CA+MG) | 2.248 | 5.659 | 0.440 | 5.630 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | - | 99.997 | 19.199 | 99.995 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | - | 0.003 | 80.801 | 0.005 |
| (NA+K)*100/(NA+K+CA+MG) | 87.992 | 84.844 | 92.431 | 84.920 |
| (CA+MG)*100/(NA+K+CA+MG) | 12.008 | 15.156 | 7.569 | 15.080 |

第26-2表 湧蓋地域水質一覽表 (つづき)

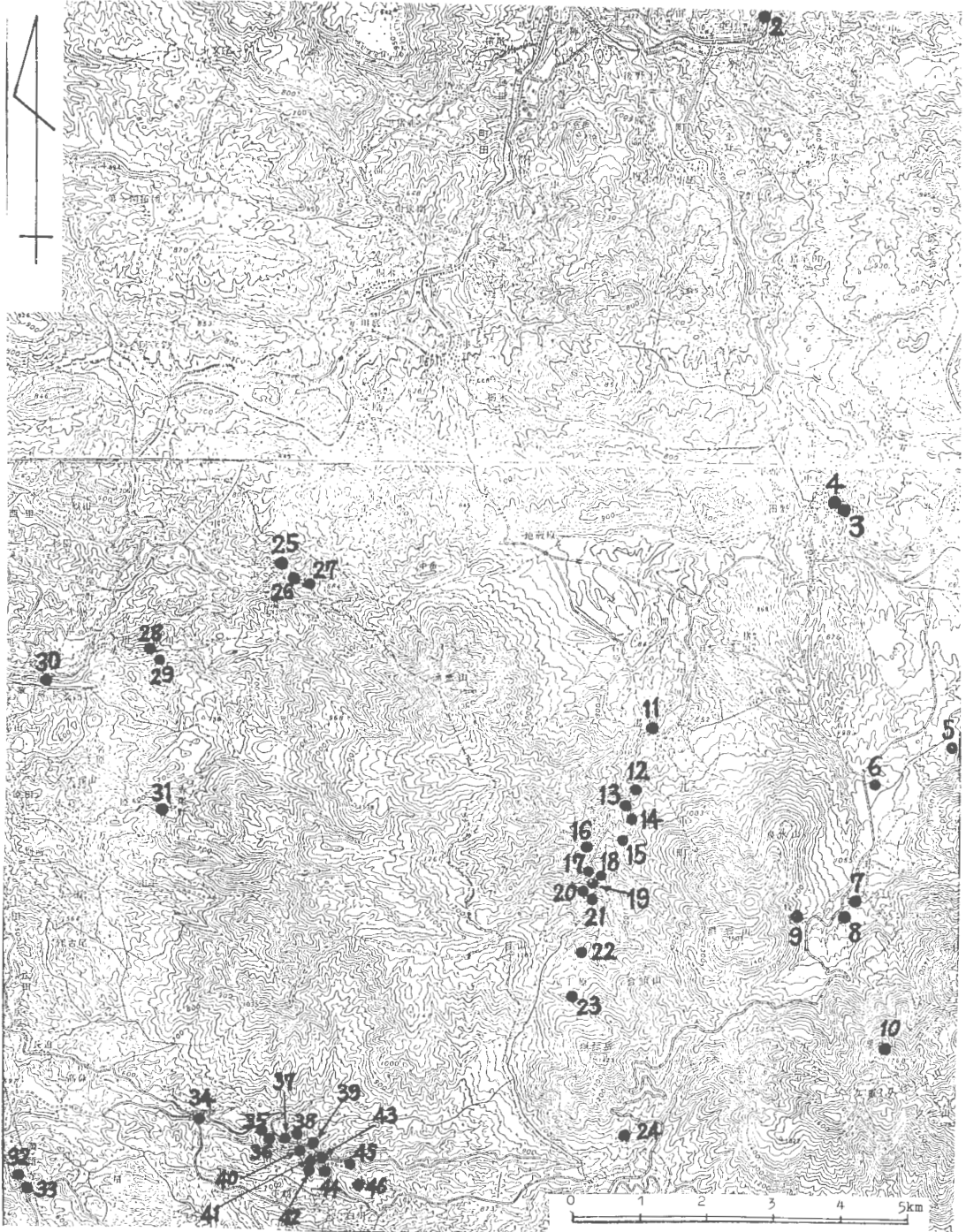
| | WTC 45 | | WTC 46 | |
|----------------------------------|----------|--------|------------|--------|
| | 73.4 | 93.2 | 1600.000 | 3.36 |
| INO | 1904.300 | — | — | — |
| TEMP | — | — | — | — |
| TSM | — | — | — | — |
| PH(FD) | — | — | — | — |
| PH(CLB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | 0.434 | 0.431 | 0.440 | 0.437 |
| K | 95.250 | 2.436 | 108.400 | 2.773 |
| NA | 492.130 | 21.408 | 353.000 | 15.356 |
| INR4 | 1.932 | 0.107 | 4.781 | 0.265 |
| CA | 44.940 | 2.243 | 51.716 | 2.581 |
| MG | 8.915 | 0.734 | 0.166 | 0.014 |
| FE | 6.000 | 0.215 | 7.316 | 0.262 |
| MN | 3.400 | 0.124 | 0.268 | 0.010 |
| ZN | — | — | 0.320 | 0.010 |
| CU | 0.200 | 0.006 | 0.103 | 0.003 |
| PB | — | — | 0.025 | 0.000 |
| AL | 0.212 | 0.024 | 0.103 | 0.011 |
| CL | 709.200 | 20.007 | 595.635 | 16.803 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | 0.250 | 0.013 | 1.620 | 0.085 |
| IOH | — | — | TR. | — |
| S04 | 390.593 | 8.132 | 240.890 | 5.015 |
| S203 | 0.100 | 0.002 | — | — |
| HCO3 | — | — | 0.004 | 0.000 |
| CO3 | — | — | — | — |
| SI02 (MG/KG) (MMOL/KG) | 113.164 | 1.884 | 180.176 | 3.000 |
| HB02 | 1.297 | 0.030 | 0.238 | 0.005 |
| H3FO4 | 0.207 | 0.002 | 0.137 | 0.001 |
| HAS02 | 1.413 | 0.013 | 1.167 | 0.011 |
| CO2 | 41.360 | 0.940 | 9.964 | 0.226 |
| H2S | 2.287 | 0.067 | 2.072 | 0.061 |
| IRN (*E-10 CURTIE/L) | 0.430 | — | 3.490 | — |
| INA/K | 4.786 | — | 5.538 | — |
| CA/(HCO3+CO3) | — | — | 38362.849 | — |
| MG/CA | 0.327 | — | 0.005 | — |
| NA/CA | 9.506 | — | 5.950 | — |
| CL/(HCO3+CO3) | — | — | 256297.489 | — |
| CL/F | 1520.253 | — | 197.039 | — |
| CL*100/(CL+S04+HCO3+CO3) | — | — | 77.013 | — |
| S04*100/(CL+S04+HCO3+CO3) | — | — | 22.987 | — |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | — | 0.000 | — |
| (NA+K)*100/(NA+K+CA+MG) | 88.903 | — | 87.481 | — |
| CA*100/(NA+K+CA+MG) | 8.361 | — | 12.453 | — |
| MG*100/(NA+K+CA+MG) | 2.735 | — | 0.066 | — |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | — | — | 100.000 | — |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | — | — | 0.000 | — |
| (NA+K)*100/(NA+K+CA+MG) | 88.903 | — | 87.481 | — |
| (CA+MG)*100/(NA+K+CA+MG) | 11.097 | — | 12.519 | — |

第 26-3 表 湧蓋地蔵特定成分含量の頻度分布表

FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|----------|----|-------|---------------------|----------------|-------|
| ND | 28 | 60.9 | ND | 29 | 63.0 |
| <0.500 | 17 | 37.0 | <0.300 | 17 | 37.0 |
| <5.000 | 1 | 2.2 | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 46 | 100.0 | TOTAL | 46 | 100.0 |
| PB | N | F(%) | AS | N | F(%) |
| ND | 32 | 69.6 | ND | 19 | 41.3 |
| <0.100 | 14 | 30.4 | <0.050 | 13 | 28.3 |
| <1.000 | 0 | 0. | <0.500 | 3 | 6.5 |
| >1.000 | 0 | 0. | <5.000 | 11 | 23.9 |
| TOTAL | 46 | 100.0 | >5.000 | 0 | 0. |
| H2S | N | F(%) | N=NUMBER OF SAMPLES | F=FREQUENCY(%) | |
| ND | 22 | 47.8 | | | |
| < 1.000 | 9 | 19.6 | | | |
| < 10.000 | 15 | 32.6 | | | |
| <100.000 | 0 | 0. | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 46 | 100.0 | TOTAL | 46 | 100.0 |

第26-1図 試料採取地(湯蓋全城)

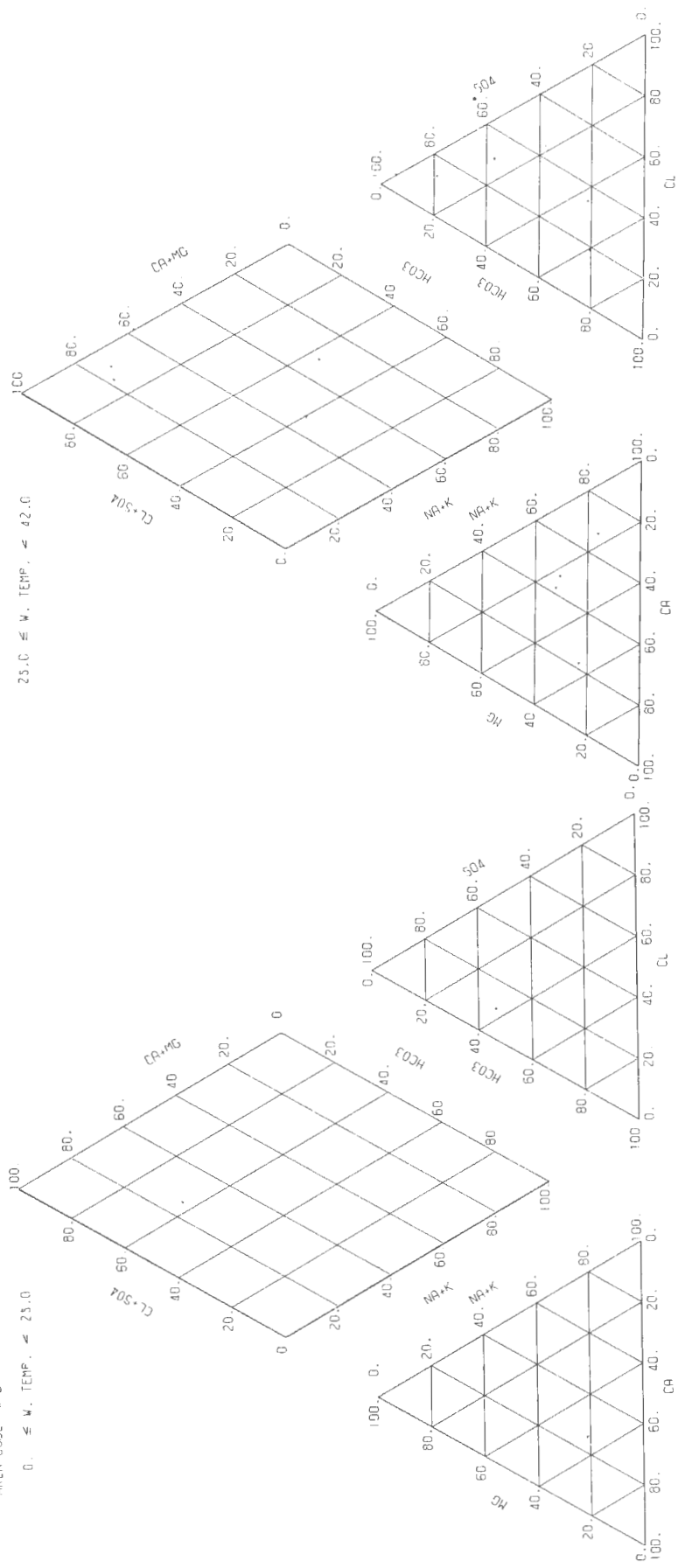


第 26-2 図 湧蓋地域水質組成図 (その1) (水温25℃未満)

▲R11A

AREA CODE WTC

0. ≦ W. TEMP. ≦ 25.0

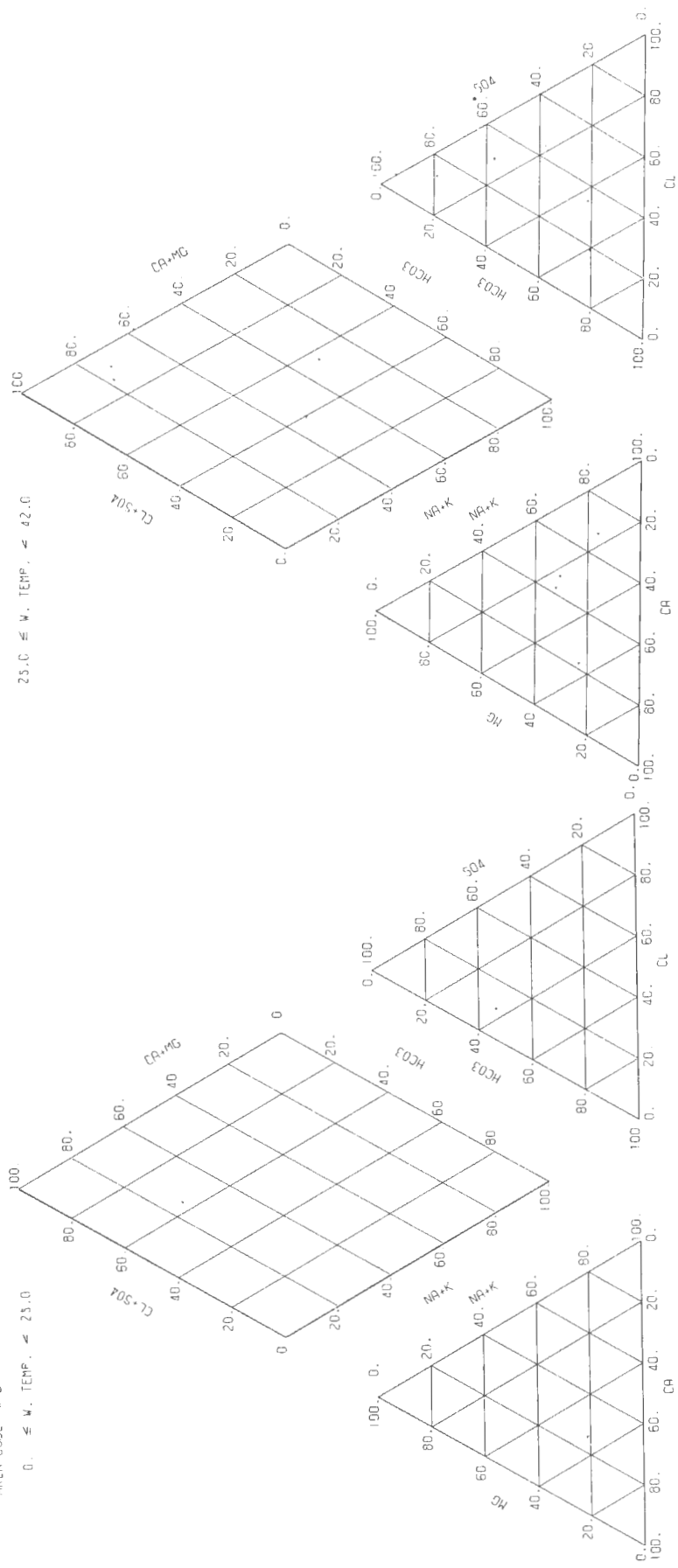


第 26-2 図 湧蓋地域水質組成図 (その2) (水温25℃以上42℃未満)

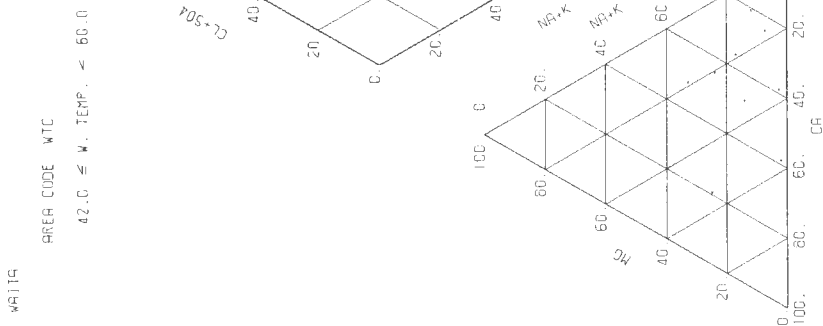
▲R11A

AREA CODE WTC

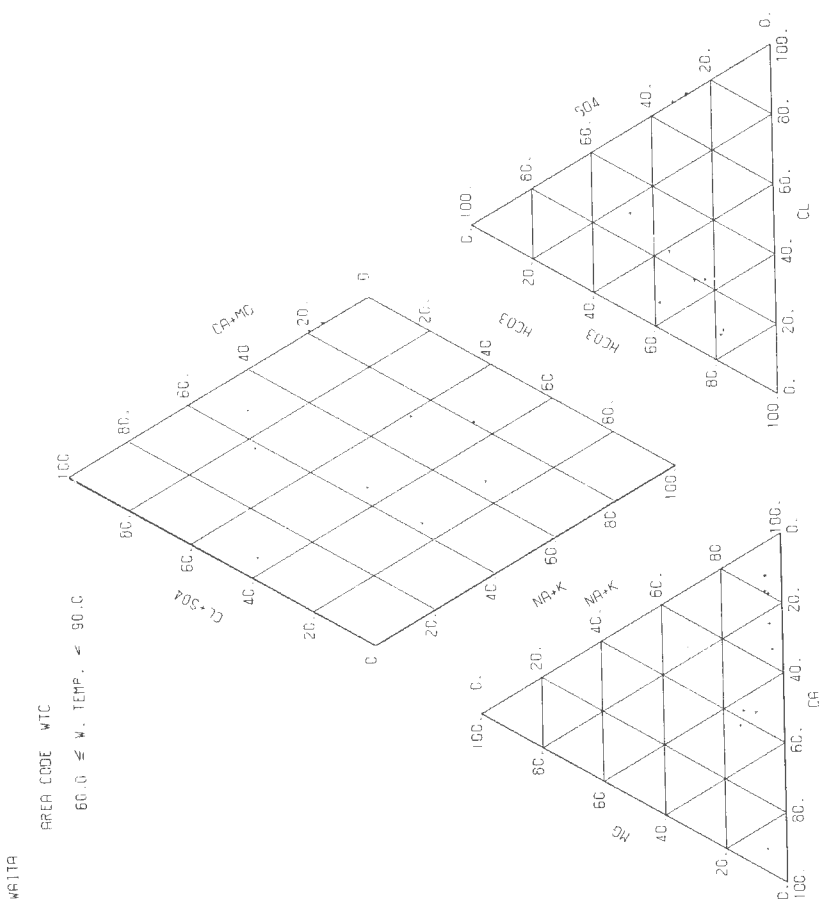
25.0 < W. TEMP. ≦ 42.0



第 26-2 図 湧蓋地域水質組成図 (その 3) (水温42℃以上60℃未満)



第 26-2 図 湧蓋地域水質組成図 (その 4) (水温60℃以上90℃未満)

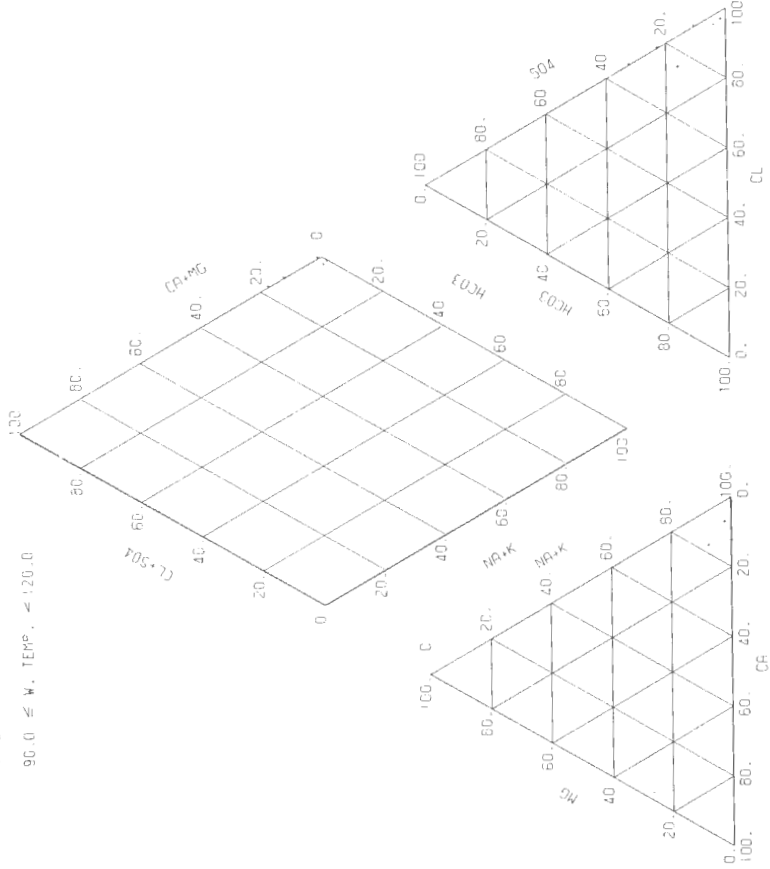


第 26-2 図 湧露地域水質組成図 (その 5) (水温 90°C 以上 120°C 未満)

46114

AREA CODE WTC

90.0 ≦ W. TEMP. < 120.0

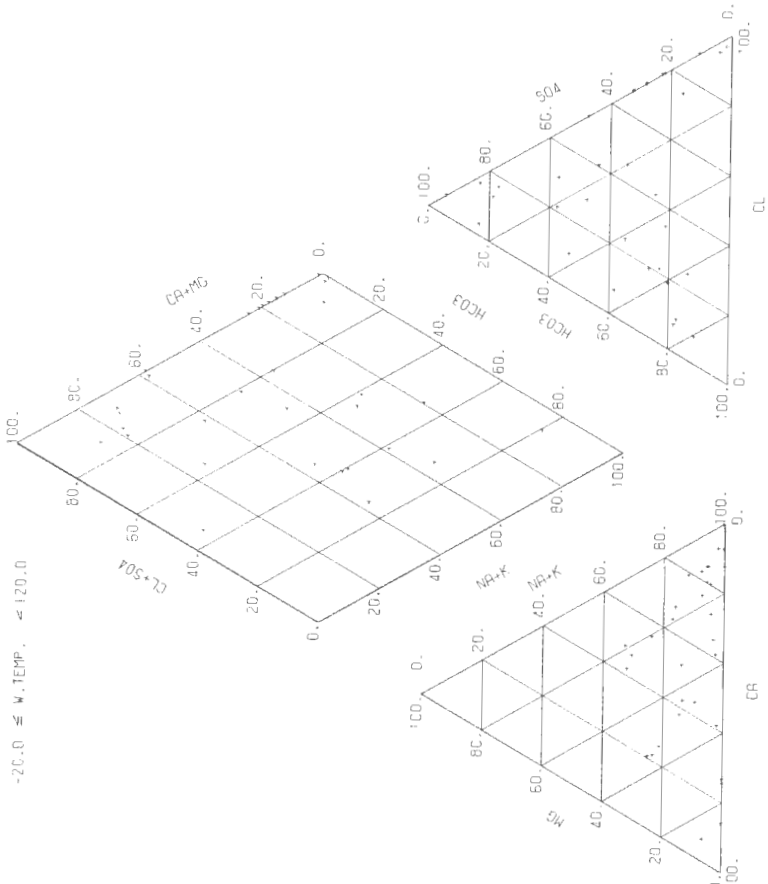


第 26-2 図 湧露地域水質組成図 (その 6) (全試料)

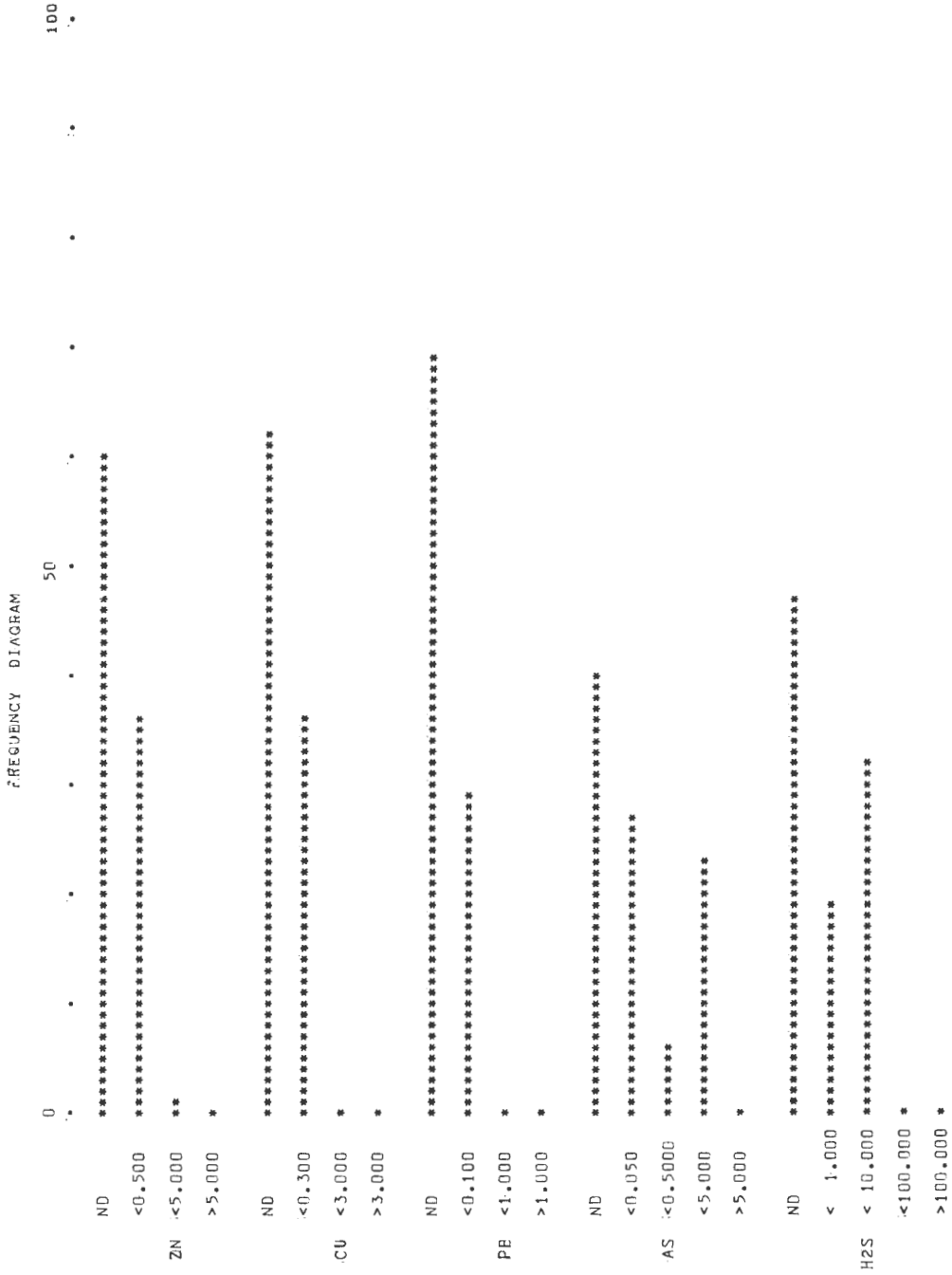
46114

AREA CODE WTC

-20.0 ≦ W. TEMP. < 120.0



第26-3図 湧蓋地域特定成分含量の頻度分布図

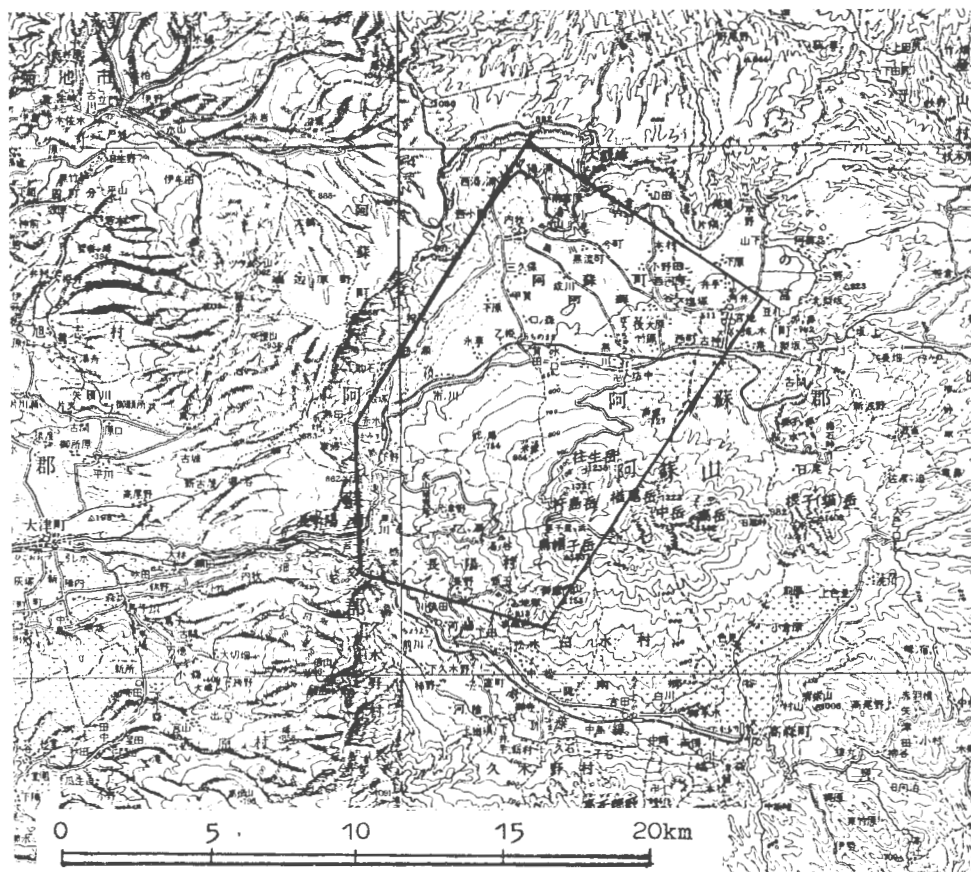


27. 阿蘇

Aso

| | |
|-------|------------------------|
| 位置 | 熊本県阿蘇郡阿蘇町，同郡一の宮町，同郡長陽村 |
| データ数 | 48 |
| 収集・整理 | 永井 茂 |
| 協力 | 熊本県衛生研究所，阿蘇郡阿蘇町，同郡長陽村 |

調査位置図（20万分の1地勢図 大分，熊本）



第27-1表 阿蘇地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 試験年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|--------------|------------|---------------|--------------|-------|----------------------|----|
| ASC-1 | 熊本県阿蘇郡阿蘇町内の牧 | 381の1 | 町営第3公衆浴場 | 1963. 2 | 34 | Q=42.5l/m | |
| "-2 | " | 279の6 | 内の牧小学校 | " 2 | " | Q=22.9l/m | |
| "-3 | " | 番出1387の1 | 阿蘇町養老院 | " 2 | " | Q=15.4l/m | |
| "-4 | " | 106の2 | 上小屋温泉組合 第1 | " 10 | " | Q=185l/m | |
| "-5 | " | 261の5 | キリスト教会第1 | " 10 | " | Q=30.8l/m | |
| "-6 | " | 99 | 阿蘇ホテル第3 | 1967. 5. 16 | 35 | Q=88.0l/m, F | |
| "-7 | " | 107 | 白菊荘第2 | 1966. 7. 13 | " | Q=49.2l/m, F | |
| "-8 | " | 253 | 山菜荘第3 | 1963. 10 | 34 | Q=15.8l/m | |
| "-9 | " | 287 | 内の牧ホテル | 1970. 3. 31 | 35 | Q=91.6l/m, F | |
| "-10 | " | 238 | 牧水荘第2 | 1963. 10 | 34 | Q=88.0l/m | |
| "-11 | " | 222 | 竹田屋第2 | 1955. 3 | " | Q=24.3l/m | |
| "-12 | " | 187 | 菊水荘第2 | 1966. 7. 13 | 35 | Q=58.0l/m, F | |
| "-13 | " | 145の1 | 静山荘第2 | 1963. 10 | 34 | Q=192l/m | |
| "-14 | " | 1343 | 大阿蘇旅館第3 | " 10 | " | Q=63.5l/m | |
| "-15 | " | 1483 | 阿蘇観光会館大浴場 | " 2 | " | Q=37.4l/m | |
| "-16 | " | 353 | 家入外科第2 | 1966. 7. 13 | 35 | Q=69.6l/m, F | |
| "-17 | " | 1138 | 望蘇閣第3 | 1967. 6. 5 | " | Q=54.0l/m, F | |
| "-18 | " | 135 | 親和苑第1 | 1968. 11. 13 | " | Q=87.0l/m, F | |
| "-19 | " | 砂原1164の2 | 白雲荘 | 1973. 1. 12 | " | Q=90.0l/m, F | |
| "-20 | " | 砂原1159の6 | 専売公社阿蘇保養所 | 1963. 2 | 34 | Q=82.5l/m | |
| "-21 | " | 砂原1128の6 | 昭和苑第2 | 1966. 7. 13 | 35 | F | |
| "-22 | " | 砂原1128の12 | 九電阿蘇保養所第2 | " 7. 13 | " | Q=113l/m, F | |
| "-23 | " | 砂原545 | 肥後銀行保養所 | 1963. 2 | 34 | Q=121l/m | |
| "-24 | " | 砂原554 | ひのくに荘第2 | " 2 | " | Q=55.0l/m | |
| "-25 | " | 砂原561 | 熊本放送第1 | 1966. 7. 13 | 35 | Q=124l/m, F | |
| "-26 | " | " 979の3 | 国鉄阿蘇山荘 | 1963. 2 | 34 | Q=91.2l/m | |
| "-27 | " | 西前無田1085の1 | 共済連合阿蘇霧荘 | 1967. 9. 4 | 35 | Q=71.3l/m, F | |
| "-28 | " | " 1095の1 | ホテル角万 | 1966. 2. 17 | " | F | |
| "-29 | " | 1126 | 鵬閣第2 | " 7. 13 | " | Q=41.4l/m, F | |
| "-30 | " | 三久保前田546の3 | 三久保温泉第1 | 1963. 10 | 34 | Q=160l/m | |
| "-31 | " | 302 | (岩下政秋) | 1973. 1. 12 | 35 | D=70m, Q=12.0l/m, F | |
| "-32 | " | 640 | 創価学会保養所 | " 1. 12 | " | D=200m, Q=66.3l/m, F | |
| "-33 | " | 黒川1538 | (稲実国俊) | 1970. 9. 16 | " | Q=191l/m, P | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 温泉名 | 試験年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|-------------------|-----|-----|----------|-----|---------------|-------|----------------|--------------|
| ASC-34 | 熊本県阿蘇郡阿蘇町車帰堤の本337 | 赤 | 水 | 電々公社外輪山荘 | 山荘 | 1972. 7. 12 | 35 | | Q=84.6l/m, F |
| " | " | " | " | 阿蘇白雲山荘 | 山荘 | 1967. 5. 16 | " | | F |
| " | " | 中 | 通 | 大盛阿蘇第1 | 館 | 1969. 7. 22 | " | | Q=40.0l/m, P |
| " | " | 垂 | 玉 | 蘇峰 | 館 | (1972. 5. 11) | 36 | | |
| " | " | " | " | 觀光ホテル | | (" 5. 11) | " | | |
| " | " | " | " | 雀地獄 | | (" 5. 11) | " | | |
| " | " | " | " | 清風荘元湯 | | (" 5. 11) | " | | |
| " | " | " | " | 清風荘新湯 | | (" 5. 11) | " | | |
| " | " | " | " | 清風荘雀湯 | | (" 5. 11) | " | | |
| " | " | " | " | 山口旅館元湯 | | (" 5. 10) | " | | |
| " | " | " | " | 山口旅館油湯 | | (" 5. 10) | " | | |
| " | " | " | " | 山口旅館新湯 | | (" 5. 10) | " | | |
| " | " | 戸 | 下 | 碧翠楼 | | (" 5. 10) | " | | |
| " | " | 栃 | 木 | 荒牧旅館 | | (" 5. 10) | " | | |
| " | " | " | " | 小山旅館 | | (" 5. 10) | " | | |

源泉名の()は申請者名, 試験年月日の()は採水年月日, 備考のQは湧(揚)水量(l/m), Fは自噴, Pはポンプ揚水, Dは深度(m)を示す.

第 27-2 表 阿蘇地域水質一覽表

| | ASC 1 | ASC 2 | ASC 3 | ASC 4 |
|----------------------------------|----------|----------|----------|----------|
| NO | 45.2 | 41.7 | 38.8 | 43.8 |
| TEMP | 2120.900 | 1046.700 | 1870.200 | 1211.900 |
| TSM | 7.90 | 8.00 | 7.90 | 7.68 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 47.000 | 1.202 | 0.923 | 0.749 |
| NA | 337.900 | 14.699 | 7.978 | 6.482 |
| NH4 | - | 36.100 | 40.600 | 29.300 |
| CA | 141.900 | 183.400 | 306.800 | 149.000 |
| MG | 62.800 | 7.081 | 1.856 | 3.822 |
| FE | 1.000 | 37.200 | 129.300 | 76.600 |
| MN | - | 19.300 | 48.300 | 46.400 |
| ZN | - | 0.500 | 1.600 | 0.700 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.900 | 0.700 | 1.300 | 3.200 |
| CL | 164.500 | 4.641 | 1.625 | 3.755 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 980.400 | 20.412 | 18.030 | 7.139 |
| S203 | - | - | - | - |
| HC03 | 214.700 | 3.519 | 2.826 | 4.776 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 122.011 | 2.031 | 1.601 | 1.578 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 16.500 | 0.375 | 0.134 | 0.434 |
| H2S | 0.100 | 0.003 | 0.003 | 0.006 |
| RN (*E-10 CURIE/L) | 2.038 | 3.822 | 2.657 | 4.623 |
| NA/K | 12.226 | 8.639 | 12.850 | 8.648 |
| CA/(HC03+C03) | 2.012 | 0.438 | 2.283 | 0.800 |
| MG/CA | 0.730 | 0.856 | 0.616 | 0.999 |
| NA/CA | 2.076 | 4.298 | 2.068 | 1.696 |
| CL/(HC03+C03) | 1.319 | 0.383 | 1.484 | 0.786 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 16.242 | 12.982 | 16.736 | 23.961 |
| S04*100/(CL+S04+HC03+C03) | 71.442 | 53.144 | 71.983 | 45.560 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.316 | 33.875 | 11.281 | 30.479 |
| (NA+K)*100/(NA+K+CA+MG) | 56.487 | 72.100 | 57.976 | 48.623 |
| CA*100/(NA+K+CA+MG) | 25.154 | 15.036 | 26.005 | 25.702 |
| MG*100/(NA+K+CA+MG) | 18.358 | 1.864 | 16.020 | 25.675 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.684 | 66.125 | 88.719 | 69.521 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.316 | 33.875 | 11.281 | 30.479 |
| (NA+K)*100/(NA+K+CA+MG) | 56.487 | 72.100 | 57.976 | 48.623 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.513 | 27.900 | 42.024 | 51.377 |

第27-2表 阿蘇地域水質一覽表 (つづき)

| NO | ASC 5 | | ASC 6 | | ASC 7 | | ASC 8 | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 44.7 | 46.6 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| TEMP | 1733.100 | 2356.000 | 1990.000 | 1990.000 | 2221.700 | 2221.700 | 2221.700 | 2221.700 |
| TSM | 7.55 | 7.18 | 7.03 | 7.03 | 7.59 | 7.59 | 7.59 | 7.59 |
| PH(FD) | - | - | - | - | - | - | - | - |
| PH(LB) | - | - | - | - | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 38.300 | 0.980 | 43.600 | 1.115 | 68.000 | 1.739 | 42.500 | 1.087 |
| NA | 210.800 | 9.170 | 449.100 | 19.536 | 257.900 | 11.219 | 327.400 | 14.242 |
| NH4 | - | - | 2.860 | 0.159 | 2.318 | 0.129 | - | - |
| CA | 140.300 | 7.001 | 143.800 | 7.176 | 140.400 | 7.006 | 179.100 | 8.937 |
| MG | 68.600 | 5.645 | 54.400 | 4.477 | 95.400 | 7.850 | 77.600 | 6.386 |
| FE | 0.600 | 0.021 | 0.700 | 0.025 | 1.800 | 0.064 | 1.000 | 0.036 |
| MN | - | - | 0.070 | 0.003 | 0.350 | 0.013 | - | - |
| ZN | - | - | 0.180 | 0.006 | - | - | - | - |
| CU | - | - | 0.090 | 0.003 | 0.080 | 0.003 | - | - |
| PB | - | - | - | - | - | - | - | - |
| AL | 3.800 | 0.423 | 0.060 | 0.007 | 0.330 | 0.037 | 1.100 | 0.122 |
| CL | 179.900 | 5.075 | 163.100 | 4.601 | 212.800 | 6.003 | 205.100 | 5.786 |
| BR | - | - | - | - | - | - | - | - |
| I | - | - | - | - | - | - | - | - |
| F | - | - | 1.380 | 0.073 | 0.300 | 0.016 | - | - |
| OH | - | - | - | - | - | - | - | - |
| S04 | 703.900 | 14.655 | 985.900 | 20.526 | 975.700 | 20.314 | 997.200 | 20.762 |
| S2O3 | - | - | 0.013 | 0.000 | - | - | - | - |
| HC03 | 222.500 | 3.647 | 367.847 | 6.029 | 104.600 | 1.714 | 272.100 | 4.460 |
| C03 | - | - | 0.480 | 0.016 | 0.120 | 0.004 | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | | | | | |
| HB02 | 119.011 | 1.982 | 99.639 | 1.659 | 99.642 | 1.659 | 82.161 | 1.368 |
| H3PO4 | - | - | 13.941 | 0.318 | 0.057 | 0.001 | - | - |
| HAS02 | - | - | 0.185 | 0.002 | 0.155 | 0.002 | - | - |
| C02 | 16.700 | 0.379 | 0.032 | 0.000 | 0.094 | 0.001 | 20.700 | 0.470 |
| H2S | 0.200 | 0.006 | 88.500 | 2.011 | 37.400 | 0.850 | 0.200 | 0.006 |
| RN (*E-10 CURIE/L) | 3.312 | 4.000 | 6.900 | 6.900 | 3.968 | 3.968 | 3.968 | 3.968 |
| NA/K | 9.360 | 17.516 | 6.450 | 6.450 | 13.100 | 13.100 | 13.100 | 13.100 |
| CA/(HC03+C03) | 1.520 | 1.187 | 4.077 | 4.077 | 2.004 | 2.004 | 2.004 | 2.004 |
| MG/CA | 0.806 | 0.624 | 1.121 | 1.121 | 0.715 | 0.715 | 0.715 | 0.715 |
| NA/CA | 1.310 | 2.723 | 1.601 | 1.601 | 1.594 | 1.594 | 1.594 | 1.594 |
| CL/(HC03+C03) | 1.392 | 0.761 | 3.493 | 3.493 | 1.297 | 1.297 | 1.297 | 1.297 |
| CL/F | - | 63.338 | 380.135 | 380.135 | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 21.709 | 14.760 | 21.412 | 21.412 | 18.660 | 18.660 | 18.660 | 18.660 |
| S04*100/(CL+S04+HC03+C03) | 62.691 | 65.848 | 72.458 | 72.458 | 66.957 | 66.957 | 66.957 | 66.957 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.600 | 19.392 | 6.129 | 6.129 | 14.383 | 14.383 | 14.383 | 14.383 |
| (NA+K)*100/(NA+K+CA+MG) | 44.524 | 63.929 | 46.588 | 46.588 | 50.010 | 50.010 | 50.010 | 50.010 |
| CA*100/(NA+K+CA+MG) | 30.712 | 22.213 | 25.188 | 25.188 | 29.157 | 29.157 | 29.157 | 29.157 |
| MG*100/(NA+K+CA+MG) | 24.764 | 13.858 | 28.224 | 28.224 | 20.833 | 20.833 | 20.833 | 20.833 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 84.400 | 80.608 | 93.871 | 93.871 | 85.617 | 85.617 | 85.617 | 85.617 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 15.600 | 19.392 | 6.129 | 6.129 | 14.383 | 14.383 | 14.383 | 14.383 |
| (NA+K)*100/(NA+K+CA+MG) | 44.524 | 63.929 | 46.588 | 46.588 | 50.010 | 50.010 | 50.010 | 50.010 |
| (CA+MG)*100/(NA+K+CA+MG) | 55.476 | 36.071 | 53.412 | 53.412 | 49.990 | 49.990 | 49.990 | 49.990 |

第 27-2 表 阿蘇地域水質一覽表 (つづき)

| | ASC 9 | ASC 10 | ASC 11 | ASC 12 |
|----------------------------------|---------|----------|----------|----------|
| NO | | | | |
| TEMP | 38.6 | 44.6 | 48.0 | 42.8 |
| TSM | 432.800 | 1189.800 | 2341.300 | 2054.000 |
| PH(FD) | 7.31 | 7.60 | 7.30 | 7.30 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 13.800 | 29.300 | 41.500 | 1.062 |
| NA | 59.400 | 200.300 | 389.600 | 16.948 |
| NH4 | 0.562 | - | - | 65.400 |
| CA | 16.500 | 65.900 | 132.000 | 303.320 |
| MG | 11.300 | 31.100 | 67.900 | 1.288 |
| FE | 0.350 | 1.100 | 0.500 | 135.936 |
| MN | 0.060 | 0.002 | - | 81.570 |
| ZN | 0.013 | 0.000 | - | 6.783 |
| CU | 0.020 | 0.001 | - | 5.587 |
| PB | 0.014 | 0.000 | - | 0.075 |
| AL | 0.590 | 2.500 | 5.100 | 0.075 |
| | | | | 0.003 |
| | | | | 0.002 |
| | | | | 0.050 |
| | | | | 0.514 |
| | | | | 0.057 |
| CL | 21.700 | 107.900 | 199.800 | 205.670 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 1.260 | - | - | - |
| OH | 0.003 | - | - | 0.600 |
| S04 | 136.300 | 537.400 | 1057.600 | 916.334 |
| S203 | 0.017 | - | - | - |
| HCO3 | 76.600 | 90.400 | 262.900 | 219.808 |
| CO3 | 0.140 | - | - | 0.262 |
| | | | | 3.603 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HB02 | 70.393 | 90.162 | 125.088 | 93.725 |
| H3PO4 | 1.700 | - | - | 0.086 |
| HAS02 | 0.722 | - | - | 0.206 |
| CO2 | 0.046 | - | - | 0.014 |
| H2S | 5.900 | 13.600 | 1.800 | 28.600 |
| | 0.100 | 0.200 | 0.001 | 0.680 |
| | | | | 0.020 |
| RN (*F-10 CURIE/L) | 9.590 | 6.479 | 1.820 | 4.740 |
| NA/K | 7.320 | 11.625 | 15.965 | 7.887 |
| CA/(HCO3+CO3) | 0.653 | 2.219 | 1.529 | 1.878 |
| MG/CA | 1.129 | 0.778 | 0.848 | 0.990 |
| NA/CA | 3.138 | 2.650 | 2.573 | 1.945 |
| CL/(HCO3+CO3) | 0.486 | 2.034 | 1.308 | 1.607 |
| CL/F | 9.229 | - | - | 183.699 |
| | | | | 20.364 |
| CL*100/(CL+S04+HCO3+CO3) | 12.997 | 19.370 | 17.633 | 66.961 |
| S04*100/(CL+S04+HCO3+CO3) | 60.249 | 71.201 | 68.886 | 12.675 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 26.754 | 9.429 | 13.480 | 52.418 |
| (NA+K)*100/(NA+K+CA+MG) | 62.619 | 61.806 | 59.666 | 23.916 |
| CA*100/(NA+K+CA+MG) | 17.555 | 21.479 | 21.823 | 23.666 |
| MG*100/(NA+K+CA+MG) | 19.826 | 16.716 | 18.512 | 87.325 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 73.246 | 90.571 | 86.520 | 12.675 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 26.754 | 9.429 | 13.480 | 52.418 |
| (NA+K)*100/(NA+K+CA+MG) | 62.619 | 61.806 | 59.666 | 23.916 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.381 | 38.194 | 40.334 | 47.582 |

第27-2表 阿蘇地域水質一覧表 (つづき)

| | ASC 17 | ASC 18 | ASC 19 | ASC 20 |
|----------------------------------|----------|----------|----------|----------|
| NO | 46.5 | 41.5 | 46.1 | 43.8 |
| TEMP | 2201.000 | 1749.000 | 2049.385 | 1731.800 |
| TSM | 7.08 | 7.20 | 7.33 | 7.80 |
| PH(FD) | - | 7.35 | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 66.400 | 42.400 | 49.485 | 46.000 |
| NA | 379.000 | 275.200 | 293.912 | 261.600 |
| NH4 | 4.450 | 3.080 | 5.438 | - |
| CA | 143.197 | 114.709 | 126.462 | 118.900 |
| MG | 49.460 | 78.627 | 104.469 | 54.600 |
| FE | 1.230 | 1.750 | 9.557 | 3.600 |
| MN | 0.022 | 0.371 | 0.836 | - |
| ZN | 0.241 | 0.021 | 0.042 | - |
| CU | 0.056 | 0.015 | 0.001 | - |
| PB | - | 0.086 | 0.010 | - |
| AL | 0.412 | 2.200 | 0.370 | 1.400 |
| CL | 163.116 | 315.730 | 155.695 | 137.000 |
| BR | - | - | 0.364 | - |
| I | - | - | 0.127 | - |
| F | 2.700 | 0.750 | 0.039 | - |
| OH | - | 0.003 | 0.890 | - |
| SO4 | 957.636 | 758.510 | 942.816 | 831.000 |
| SO3 | 0.030 | 0.002 | 0.057 | 17.301 |
| HC03 | 308.063 | 26.306 | 336.209 | 139.300 |
| CO3 | 0.108 | 0.018 | 0.339 | - |
| ST02 (MG/KG) (MMOL/KG) | 80.592 | 90.955 | 128.453 | 98.470 |
| HR02 | 19.679 | 10.205 | 3.108 | 1.640 |
| HSPO4 | 0.468 | 0.186 | 0.212 | - |
| HAS02 | 0.021 | 0.002 | 0.029 | - |
| CO2 | 45.420 | 6.324 | 55.012 | 3.600 |
| H2S | 0.578 | 0.187 | 0.487 | 0.100 |
| PN (*F-10 CURIE/L) | 7.070 | 5.890 | 2.550 | 3.021 |
| NA/K | 9.706 | 11.038 | 10.100 | 9.671 |
| CA/(HC03+CO3) | 1.414 | 13.257 | 1.143 | 2.599 |
| MG/CA | 0.570 | 1.130 | 1.362 | 0.757 |
| NA/CA | 2.307 | 2.091 | 2.026 | 1.918 |
| CL/(HC03+CO3) | 0.911 | 20.629 | 0.795 | 1.693 |
| CL/F | 32.376 | 225.601 | 93.750 | - |
| CL*100/(CL+S04+HC03+CO3) | 15.550 | 35.442 | 14.867 | 16.481 |
| S04*100/(CL+S04+HC03+CO3) | 67.376 | 62.840 | 66.443 | 73.782 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 17.075 | 1.718 | 18.690 | 9.736 |
| (NA+K)*100/(NA+K+CA+MG) | 61.853 | 51.706 | 48.522 | 54.634 |
| CA*100/(NA+K+CA+MG) | 24.304 | 22.669 | 21.792 | 25.816 |
| MG*100/(NA+K+CA+MG) | 13.843 | 25.625 | 29.687 | 19.550 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 82.925 | 98.282 | 81.310 | 90.264 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 17.075 | 1.718 | 18.690 | 9.736 |
| (NA+K)*100/(NA+K+CA+MG) | 61.853 | 51.706 | 48.522 | 54.634 |
| (CA+MG)*100/(NA+K+CA+MG) | 38.147 | 48.294 | 51.478 | 45.366 |

第27-2表 阿蘇地域水質一覽表(つづき)

| NO | ASC 21 | | | | ASC 22 | | | | ASC 23 | | | | ASC 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|--------|---------|---------|---------|--------|-------|-------|----|--------|----|----|----------|----|-------|----------|---------|-------|---------|-------|-------|--------|-------|-------|--------|--------|-------|-------|-------|---------------|--------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H | NA | CA | MG | FE | MN | CN | CU | ZN | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | C03 | ST02 | HR02 | H3P04 | HAS02 | C02 | H2S | RN | NA/K | CA/(HC03+C03) | MG/CA | NA/CA | CL/(HC03+C03) | CL/F | CL*100/(CL+S04+HC03+C03) | S04*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) |
| | 46.4 | 1768.000 | 7.55 | | 50.600 | 242.385 | 140.510 | 67.402 | 0.540 | 0.600 | 0.070 | | | | | 170.210 | | 1.250 | 856.353 | 116.498 | 0.139 | 91.213 | 0.115 | 0.155 | 13.200 | 0.425 | 2.150 | 8.146 | 3.663 | 0.791 | 1.504 | 2.509 | 72.973 | 19.563 | 72.639 | 7.798 | 48.525 | 28.740 | 22.735 | 92.202 | | 48.525 | 51.475 | | | |
| | 46.1 | 2299.300 | 7.10 | | 67.100 | 322.258 | 147.056 | 109.216 | 3.391 | 0.150 | 0.360 | | | | | 248.220 | | 0.850 | 1125.548 | 116.498 | 0.121 | 119.378 | 0.057 | 0.155 | 33.000 | 0.765 | 8.100 | 8.167 | 3.835 | 1.225 | 1.910 | 3.660 | 156.497 | 21.646 | 72.639 | 5.915 | 49.079 | 22.889 | 28.033 | 94.085 | | 49.079 | 50.921 | | | |
| | 41.6 | 2272.200 | 7.80 | | 1.716 | 14.018 | 0.143 | 8.064 | 0.121 | 0.005 | 0.009 | | | | | 175.400 | | 0.045 | 23.434 | 145.400 | 0.004 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 38.400 | 335.800 | 161.600 | 70.400 | 2.000 | | 0.068 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 0.982 | 14.607 | 8.064 | 5.793 | 0.072 | | 0.256 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |
| | | | | | 46.100 | 354.400 | 165.100 | 71.900 | 2.200 | | 1.300 | | | | | 186.700 | | 0.045 | 1086.900 | 101.778 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | | |
| | | | | | 1.179 | 15.416 | 8.238 | 5.917 | 0.079 | | 0.145 | | | | | 1145.000 | | 0.045 | 22.629 | 133.400 | 2.383 | 1.695 | 1.988 | 0.001 | 0.002 | 4.000 | 0.022 | 1.383 | 14.871 | 3.384 | 0.718 | 1.811 | 2.076 | 16.515 | 75.531 | 7.954 | 52.942 | 27.385 | 19.674 | 92.046 | | 52.942 | 47.058 | | | |

第 27-2 表 阿蘇地域水質一覽表 (つづき)

| | ASC 25 | ASC 26 | ASC 27 | ASC 28 |
|----------------------------------|----------|----------|----------|----------|
| NO | 44.3 | 47.4 | 41.6 | 38.2 |
| TEMP | 2870.700 | 2235.400 | 1896.200 | 1511.200 |
| TSM | 7.20 | 8.10 | 7.12 | 7.42 |
| PH(FD) | - | - | - | - |
| PH(CLB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 103.400 | 50.900 | 62.300 | 43.600 |
| NA | 412.019 | 17.923 | 334.148 | 308.723 |
| NH4 | 3.864 | 0.214 | 1.825 | 0.900 |
| CA | 204.804 | 10.220 | 141.625 | 102.459 |
| MG | 124.746 | 61.900 | 19.307 | 5.113 |
| FE | 2.697 | 0.097 | 2.400 | 0.427 |
| MN | 0.250 | 0.009 | 0.062 | 0.080 |
| ZN | - | - | 0.057 | 0.058 |
| CU | 0.100 | 0.003 | 0.005 | 0.003 |
| PB | - | - | 0.003 | 0.000 |
| AL | 0.286 | 0.032 | 0.174 | 0.120 |
| CL | 362.233 | 10.219 | 143.573 | 0.402 |
| BR | - | - | - | 0.402 |
| I | - | - | - | 3.401 |
| F | 0.750 | 0.039 | 2.913 | - |
| OH | - | - | 0.003 | 0.140 |
| S04 | 1464.624 | 30.493 | 831.907 | 2.660 |
| S203 | - | - | 22.527 | 725.150 |
| HC03 | 101.111 | 1.657 | 0.016 | 0.013 |
| C03 | 0.121 | 0.004 | 210.963 | 98.240 |
| | | | 0.001 | 0.360 |
| SI02 (MG/KG) (MMOL/KG) | 96.606 | 1.608 | 88.655 | 77.070 |
| HB02 | 0.072 | 0.002 | 29.407 | 0.671 |
| H3P04 | 0.051 | 0.001 | 0.002 | 0.150 |
| HAS02 | 0.021 | 0.000 | 0.002 | 0.083 |
| C02 | 29.040 | 0.660 | 50.714 | 0.005 |
| H2S | 0.765 | 0.022 | 0.100 | 0.000 |
| | | | 0.545 | 14.080 |
| RN (*E-10 CURIE/L) | 6.400 | 3.021 | 6.330 | 0.374 |
| NA/K | 6.776 | 12.983 | 9.121 | 0.760 |
| CA/(HC03+C03) | 6.152 | 2.097 | 2.044 | 12.041 |
| MG/CA | 1.004 | 0.792 | 0.225 | 3.152 |
| NA/CA | 1.754 | 2.628 | 2.057 | 0.084 |
| CL/(HC03+C03) | 6.151 | 1.794 | 1.171 | 2.627 |
| CL/F | 258.830 | - | 26.413 | 2.096 |
| | | | | 24.288 |
| CL*100/(CL+S04+HC03+C03) | 24.116 | 17.691 | 16.313 | 16.902 |
| S04*100/(CL+S04+HC03+C03) | 71.964 | 72.447 | 69.761 | 75.036 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.920 | 9.862 | 13.927 | 8.062 |
| (NA+K)*100/(NA+K+CA+MG) | 50.101 | 61.234 | 65.076 | 72.417 |
| CA*100/(NA+K+CA+MG) | 24.894 | 21.634 | 28.514 | 25.456 |
| MG*100/(NA+K+CA+MG) | 25.005 | 17.132 | 6.410 | 2.127 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 96.080 | 90.138 | 86.073 | 91.938 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.920 | 9.862 | 13.927 | 8.062 |
| (NA+K)*100/(NA+K+CA+MG) | 50.101 | 61.234 | 65.076 | 72.417 |
| (CA+MG)*100/(NA+K+CA+MG) | 49.899 | 38.766 | 34.924 | 27.583 |

第27-2表 阿蘇地域水質一覽表(つづき)

| | ASC 29 | ASC 30 | ASC 31 | ASC 32 |
|----------------------------------|-----------|----------|----------|----------|
| NO | 43.8 | 39.8 | 36.0 | 30.5 |
| TEMP | 24.26.400 | 1074.100 | 2151.354 | 3554.024 |
| TSM | 7.30 | 7.78 | 6.95 | 6.81 |
| PH(F/D) | - | - | - | - |
| PH(C/LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 77.400 | 31.000 | 0.793 | 0.983 |
| NA | 337.919 | 14.699 | 1.189 | 38.446 |
| NH4 | 2.576 | 209.300 | 12.437 | 327.541 |
| CA | 179.790 | 66.400 | 0.282 | 5.213 |
| MG | 103.848 | 8.972 | 6.337 | 267.625 |
| FE | 2.800 | 2.900 | 11.970 | 240.663 |
| MN | 1.750 | 1.900 | 0.023 | 45.736 |
| ZN | - | 0.064 | 0.034 | 7.539 |
| CU | 0.050 | - | 0.001 | 0.274 |
| PB | - | 0.002 | 0.010 | 0.010 |
| AL | 0.311 | - | 0.051 | 0.002 |
| | | 0.100 | 0.000 | 0.000 |
| | | 0.011 | 0.008 | 0.111 |
| CL | 230.493 | 94.600 | 4.949 | 259.207 |
| BR | - | 0.435 | 0.005 | 0.541 |
| I | - | 0.0 | - | 0.085 |
| F | 1.200 | - | 0.039 | 1.718 |
| OH | - | 0.063 | 0.000 | 0.090 |
| S04 | 1228.683 | 406.300 | 21.591 | 2010.939 |
| S2O3 | 145.073 | - | 0.001 | 41.868 |
| HC03 | 0.173 | 154.700 | 4.171 | 152.017 |
| C03 | - | 0.006 | 0.004 | 2.492 |
| | | | 0.090 | 0.003 |
| SI02 (MG/KG) (MMOL/KG) | 87.856 | 75.007 | 1.249 | 91.465 |
| HB02 | 0.086 | - | 1.714 | 1.823 |
| H3PO4 | 0.051 | - | 0.079 | 3.020 |
| HAS02 | 0.014 | - | 0.003 | 0.027 |
| C02 | 23.760 | 13.900 | 0.000 | 0.000 |
| H2S | 0.510 | 0.100 | 0.316 | 0.003 |
| | | | 0.790 | 140.611 |
| | | | 0.009 | 3.195 |
| RN (*E-10 CURIE/L) | 4.600 | 6.152 | 9.100 | 5.550 |
| NA/K | 7.424 | 11.481 | 10.459 | 14.488 |
| CA/(HC03+C03) | 3.764 | 1.307 | 1.518 | 5.353 |
| MG/CA | 0.953 | 0.072 | 1.889 | 1.483 |
| NA/CA | 1.638 | 2.748 | 1.963 | 1.067 |
| CL/(HC03+C03) | 2.728 | 1.053 | 1.186 | 2.931 |
| CL/F | 102.935 | - | 127.391 | 80.856 |
| CL*100/(CL+S04+HC03+C03) | 18.865 | 19.532 | 16.113 | 14.151 |
| S04*100/(CL+S04+HC03+C03) | 74.220 | 61.911 | 70.296 | 81.022 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.915 | 18.557 | 13.591 | 4.827 |
| (NA+K)*100/(NA+K+CA+MG) | 48.775 | 73.590 | 42.671 | 31.476 |
| CA*100/(NA+K+CA+MG) | 26.235 | 24.636 | 19.845 | 27.598 |
| MG*100/(NA+K+CA+MG) | 24.990 | 1.774 | 37.483 | 40.926 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.085 | 81.443 | 86.409 | 95.173 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 6.915 | 18.557 | 13.591 | 4.827 |
| (NA+K)*100/(NA+K+CA+MG) | 48.775 | 73.590 | 42.671 | 31.476 |
| (CA+MG)*100/(NA+K+CA+MG) | 51.225 | 26.410 | 57.329 | 68.524 |

第 27-2 表 阿蘇地域水質一覽表 (つづき)

| NO | ASC 33 | | | ASC 34 | | | ASC 35 | | | ASC 36 | | |
|----------------------------------|---------|--------|---------|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 20.521 | 0.525 | 26.797 | 0.685 | 22.375 | 1.572 | 0.572 | 1.572 | 0.040 | 82.530 | 3.590 | 0.008 |
| NA | 59.293 | 2.579 | 157.984 | 6.872 | 295.731 | 82.530 | 12.864 | 82.530 | 0.008 | 13.863 | 0.692 | 0.587 |
| NH4 | 0.009 | 0.000 | 1.320 | 0.073 | 0.600 | 0.152 | 0.033 | 0.152 | 0.004 | 7.137 | 0.016 | 0.004 |
| CA | 107.817 | 5.380 | 146.985 | 7.335 | 156.634 | 7.816 | 7.501 | 7.501 | 0.000 | 0.440 | 0.120 | 0.005 |
| MG | 56.044 | 4.612 | 107.989 | 8.886 | 91.149 | 0.000 | 0.002 | 0.002 | 0.000 | 0.007 | 0.007 | 0.007 |
| FF | 0.154 | 0.006 | 0.296 | 0.011 | 0.360 | 0.013 | 0.013 | 0.013 | 0.006 | 0.061 | 0.006 | 0.007 |
| MN | 0.242 | 0.009 | 0.305 | 0.011 | 0.335 | 0.012 | 0.012 | 0.012 | 0.005 | 0.005 | 0.005 | 0.000 |
| ZN | 0.367 | 0.011 | 0.172 | 0.005 | 0.152 | 0.0 | 0.005 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 |
| CU | 0.012 | 0.000 | 0.090 | 0.003 | 0.071 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 |
| PB | 0.005 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| AL | 0.198 | 0.022 | 0.188 | 0.021 | 0.054 | 0.061 | 0.006 | 0.061 | 0.007 | 0.007 | 0.007 | 0.007 |
| CL | 82.772 | 2.335 | 120.341 | 3.395 | 184.392 | 17.446 | 5.202 | 17.446 | 0.492 | 0.492 | 0.492 | 0.492 |
| BR | - | - | 0.073 | 0.001 | - | - | - | - | - | - | - | - |
| I | - | - | 0.222 | 0.002 | - | - | - | - | - | - | - | - |
| F | 2.963 | 0.156 | 1.350 | 0.071 | 1.750 | 2.830 | 0.092 | 2.830 | 0.149 | 0.034 | 0.002 | 0.002 |
| OH | 0.0 | - | 0.002 | 0.000 | - | - | - | - | - | - | - | - |
| S04 | 498.917 | 10.387 | 878.053 | 18.281 | 929.290 | 53.247 | 19.348 | 53.247 | 1.109 | 181.550 | 2.572 | 0.000 |
| S203 | 0.020 | 0.000 | 0.022 | 0.000 | 0.016 | 0.004 | 0.000 | 0.004 | 0.000 | 0.004 | 0.004 | 0.000 |
| HCO3 | 15.255 | 0.250 | 104.190 | 1.708 | 209.395 | 1.750 | 5.432 | 1.750 | 0.058 | 1.750 | 0.058 | 0.058 |
| CO3 | - | - | 0.384 | 0.013 | 0.126 | 0.004 | 0.004 | 0.004 | 0.000 | 0.004 | 0.004 | 0.000 |
| SI02 (MG/KG) (MMOL/KG) | 72.846 | 1.213 | 59.176 | 0.985 | 59.487 | 59.194 | 0.990 | 59.194 | 0.986 | 11.200 | 0.256 | 0.256 |
| HB02 | 1.736 | 0.040 | 1.565 | 0.036 | 9.349 | 11.200 | 0.213 | 11.200 | 0.001 | 0.059 | 0.001 | 0.001 |
| H3PO4 | 0.110 | 0.001 | 0.122 | 0.001 | 0.299 | 0.003 | 0.003 | 0.003 | 0.001 | 0.031 | 0.001 | 0.001 |
| HAS02 | 0.001 | 0.000 | 0.003 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| CO2 | 36.781 | 0.835 | 10.782 | 0.245 | 50.344 | 0.282 | 1.144 | 0.282 | 0.006 | 0.282 | 0.006 | 0.006 |
| H2S | 0.290 | 0.009 | 0.032 | 0.001 | 0.163 | 0.104 | 0.005 | 0.104 | 0.003 | 0.104 | 0.003 | 0.003 |
| RN (*F-10 CURIE/L) | 2.090 | 7.450 | 6.820 | 3.000 | 89.279 | 0.228 | 0.228 | 0.228 | 0.228 | 0.228 | 0.228 | 0.228 |
| NA/K | 4.914 | 10.026 | 22.476 | 2.275 | 2.275 | 2.275 | 2.275 | 2.275 | 2.275 | 2.275 | 2.275 | 2.275 |
| CA/(HCO3+CO3) | 21.518 | 4.263 | 1.212 | 0.937 | 1.646 | 5.190 | 0.849 | 5.190 | 0.849 | 5.190 | 0.849 | 0.849 |
| MG/CA | 0.857 | 0.479 | 1.973 | 1.514 | 56.467 | 3.304 | 10.626 | 3.304 | 10.626 | 23.937 | 65.437 | 65.437 |
| NA/CA | 0.479 | 1.973 | 47.771 | 7.354 | 18.587 | 18.587 | 18.587 | 18.587 | 18.587 | 18.587 | 18.587 | 18.587 |
| CL/(HCO3+CO3) | 14.971 | 18.000 | 80.073 | 31.784 | 46.731 | 73.946 | 46.731 | 73.946 | 46.731 | 46.731 | 46.731 | 46.731 |
| CL/F | 14.971 | 18.000 | 80.073 | 31.784 | 46.731 | 73.946 | 46.731 | 73.946 | 46.731 | 46.731 | 46.731 | 46.731 |
| CL*100/(CL+S04+HCO3+CO3) | 18.000 | 80.073 | 78.136 | 37.371 | 27.183 | 14.091 | 27.183 | 14.091 | 14.091 | 14.091 | 14.091 | 14.091 |
| S04*100/(CL+S04+HCO3+CO3) | 80.073 | 78.136 | 7.354 | 92.646 | 87.222 | 34.563 | 87.222 | 34.563 | 34.563 | 34.563 | 34.563 | 34.563 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.927 | 1.927 | 7.354 | 7.354 | 12.278 | 65.437 | 12.278 | 65.437 | 65.437 | 65.437 | 65.437 | 65.437 |
| (NA+K)*100/(NA+K+CA+MG) | 23.703 | 41.081 | 31.784 | 92.646 | 46.731 | 73.946 | 46.731 | 73.946 | 46.731 | 46.731 | 46.731 | 46.731 |
| CA*100/(NA+K+CA+MG) | 41.081 | 31.784 | 37.371 | 7.354 | 27.183 | 14.091 | 27.183 | 14.091 | 14.091 | 14.091 | 14.091 | 14.091 |
| MG*100/(NA+K+CA+MG) | 35.216 | 35.216 | 37.371 | 92.646 | 26.086 | 11.963 | 26.086 | 11.963 | 11.963 | 11.963 | 11.963 | 11.963 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.073 | 98.073 | 92.646 | 92.646 | 87.222 | 34.563 | 87.222 | 34.563 | 34.563 | 34.563 | 34.563 | 34.563 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.927 | 1.927 | 7.354 | 7.354 | 12.278 | 65.437 | 12.278 | 65.437 | 65.437 | 65.437 | 65.437 | 65.437 |
| (NA+K)*100/(NA+K+CA+MG) | 23.703 | 41.081 | 31.784 | 92.646 | 46.731 | 73.946 | 46.731 | 73.946 | 46.731 | 46.731 | 46.731 | 46.731 |
| (CA+MG)*100/(NA+K+CA+MG) | 76.297 | 76.297 | 68.216 | 68.216 | 53.269 | 26.054 | 53.269 | 26.054 | 26.054 | 26.054 | 26.054 | 26.054 |

第 27-2 表 阿蘇地域水質一覧表 (つづき)

| NO | ASC 37 | ASC 38 | ASC 39 | ASC 40 |
|----------------------------------|---------|---------|----------|----------|
| TEMP | 60.3 | 57.2 | 73.1 | 92.0 |
| TSM | 296.400 | 551.600 | 1440.000 | 2972.900 |
| PH(FD) | 5.70 | 2.70 | 2.58 | 1.90 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MV/L/KG) | - | - | - | - |
| K | 8.300 | 4.800 | 5.600 | 2.200 |
| NA | 13.500 | 7.400 | 6.500 | 26.900 |
| NH4 | - | - | - | - |
| CA | 16.300 | 20.900 | 18.000 | 63.900 |
| MG | 7.000 | 8.300 | 13.400 | 28.600 |
| FE | 2.220 | 11.110 | 2.420 | 34.380 |
| MN | 0.020 | 0.001 | 0.050 | 0.140 |
| ZN | 0.020 | 0.040 | 0.100 | 0.170 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 2.010 | 2.010 | 1.600 | 36.570 |
| CL | 7.600 | 7.700 | 2.600 | 3.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.210 | 0.210 | 0.490 | 1.080 |
| OH | - | - | - | - |
| S04 | 27.600 | 168.700 | 87.500 | 1144.400 |
| S203 | - | - | - | - |
| HC03 | 103.100 | 0.0 | 0.0 | 0.0 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 66.929 | 66.929 | 876.925 | 483.813 |
| HB02 | 0.210 | 0.210 | 0.230 | 3.910 |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | 1.020 | 1.020 | - | 4.790 |
| RM (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 2.766 | 2.622 | 1.974 | 20.793 |
| CA/(HC03+CO3) | 0.481 | - | - | - |
| MG/CA | 0.708 | 0.655 | 1.228 | 0.733 |
| NA/CA | 0.722 | 0.309 | 0.315 | 0.367 |
| CL/(HC03+CO3) | 0.127 | - | - | - |
| CL/F | 19.395 | 19.650 | 2.844 | 1.588 |
| CL*100/(CL+S04+HC03+CO3) | 8.649 | 5.824 | 3.870 | 0.377 |
| S04*100/(CL+S04+HC03+CO3) | 23.182 | 94.176 | 96.130 | 99.823 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 68.169 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 36.527 | 20.487 | 17.553 | 18.164 |
| CA*100/(NA+K+CA+MG) | 37.158 | 48.047 | 37.010 | 47.224 |
| MG*100/(NA+K+CA+MG) | 26.315 | 31.466 | 45.436 | 34.612 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 31.831 | 100.000 | 100.000 | 100.000 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 68.169 | 0.0 | 0.0 | 0.0 |
| (NA+K)*100/(NA+K+CA+MG) | 36.527 | 20.487 | 17.553 | 18.164 |
| (CA+MG)*100/(NA+K+CA+MG) | 63.473 | 79.513 | 82.447 | 81.836 |

第27-2表 阿蘇地域水質一覽表 (つづき)

| NO | ASC 41 | | | ASC 42 | | | ASC 43 | | | ASC 44 | | |
|----------------------------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | TEMP | TSM | PH(CFD) | TEMP | TSM | PH(CFD) | TEMP | TSM | PH(CFD) | TEMP | TSM | PH(CFD) |
| K | 5.200 | 1288.800 | 2.62 | 9.100 | 486.000 | 6.50 | 13.200 | 505.200 | 5.60 | 14.400 | 570.600 | 4.20 |
| NA | 13.300 | — | — | 19.800 | — | — | 29.800 | — | — | 27.900 | — | — |
| NH4 | — | — | — | — | — | — | — | — | — | — | — | — |
| CA | 34.000 | — | — | 26.000 | — | — | 37.000 | — | — | 31.000 | — | — |
| MG | 13.700 | — | — | 19.600 | — | — | 22.600 | — | — | 15.400 | — | — |
| FE | 20.810 | — | — | 2.520 | — | — | 2.430 | — | — | 1.580 | — | — |
| MN | 0.060 | — | — | 0.050 | — | — | 0.110 | — | — | 0.080 | — | — |
| ZN | 0.150 | — | — | 0.070 | — | — | 0.310 | — | — | 0.270 | — | — |
| CU | — | — | — | — | — | — | — | — | — | — | — | — |
| PR | — | — | — | — | — | — | — | — | — | — | — | — |
| AL | 35.820 | — | — | 2.240 | — | — | 0.190 | — | — | 9.900 | — | — |
| CL | 2.300 | — | — | 5.700 | — | — | 11.000 | — | — | 8.600 | — | — |
| BR | — | — | — | — | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — | — | — | — | — |
| F | 0.590 | — | — | 0.280 | — | — | 0.460 | — | — | 0.160 | — | — |
| OH | — | — | — | — | — | — | — | — | — | — | — | — |
| S04 | 541.000 | — | — | 171.600 | — | — | 117.100 | — | — | 228.800 | — | — |
| S203 | — | — | — | — | — | — | — | — | — | — | — | — |
| HC03 | 0.0 | — | — | — | — | — | 30.600 | — | — | 9.800 | — | — |
| CO3 | — | — | — | — | — | — | — | — | — | — | — | — |
| S102 (MG/KG)(MMOL/KG) | 115.934 | — | — | 99.009 | — | — | 127.242 | — | — | 106.625 | — | — |
| HR02 | 3.840 | — | — | 4.640 | — | — | 2.830 | — | — | 4.950 | — | — |
| H3P04 | — | — | — | — | — | — | — | — | — | — | — | — |
| HAS02 | — | — | — | — | — | — | — | — | — | — | — | — |
| CO2 | — | — | — | — | — | — | — | — | — | — | — | — |
| H2S | 9.540 | — | — | 6.300 | — | — | 1.830 | — | — | 0.560 | — | — |
| RN (*F-10 CURIE/L) | — | — | — | — | — | — | — | — | — | — | — | — |
| NA/K | 4.349 | — | — | 3.700 | — | — | 3.839 | — | — | 3.295 | — | — |
| CA/(HC03+CO3) | — | — | — | — | — | — | 3.681 | — | — | 9.631 | — | — |
| MG/CA | 0.664 | — | — | 1.243 | — | — | 1.007 | — | — | 0.819 | — | — |
| NA/CA | 0.341 | — | — | 0.664 | — | — | 0.702 | — | — | 0.785 | — | — |
| CL/(HC03+CO3) | — | — | — | — | — | — | — | — | — | — | — | — |
| CL/F | 2.089 | — | — | 10.909 | — | — | 12.815 | — | — | 28.805 | — | — |
| CL*100/(CL+S04+HC03+CO3) | 0.573 | — | — | — | — | — | — | — | — | — | — | — |
| S04*100/(CL+S04+HC03+CO3) | 99.427 | — | — | — | — | — | 75.019 | — | — | 92.196 | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.0 | — | — | — | — | — | 15.432 | — | — | 3.109 | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 20.126 | — | — | 27.322 | — | — | 30.598 | — | — | 35.986 | — | — |
| CA*100/(NA+K+CA+MG) | 47.987 | — | — | 32.400 | — | — | 34.575 | — | — | 35.187 | — | — |
| MG*100/(NA+K+CA+MG) | 31.887 | — | — | 40.278 | — | — | 34.827 | — | — | 28.827 | — | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 100.000 | — | — | — | — | — | 84.568 | — | — | 96.891 | — | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.0 | — | — | — | — | — | 15.432 | — | — | 3.109 | — | — |
| (NA+K)*100/(NA+K+CA+MG) | 20.126 | — | — | 27.322 | — | — | 30.598 | — | — | 35.986 | — | — |
| (CA+MG)*100/(NA+K+CA+MG) | 79.874 | — | — | 72.678 | — | — | 69.402 | — | — | 64.014 | — | — |

第27-2表 阿蘇地域水質一覧表 (つづき)

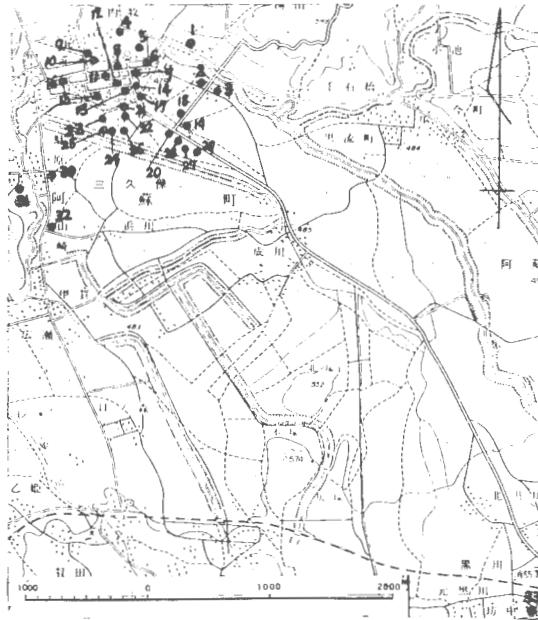
| NO | ASC 45 | ASC 46 | ASC 47 | ASC 48 |
|----------------------------------|---------|----------|----------|----------|
| TEMP | 37.4 | 38.1 | 44.5 | 37.1 |
| TSM | 577.900 | 1523.300 | 1780.900 | 1065.500 |
| PH(FD) | 3.30 | 7.02 | 7.25 | 6.70 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 10.200 | 37.400 | 39.200 | 23.900 |
| NA | 18.700 | 204.900 | 228.900 | 137.100 |
| NH4 | - | - | - | - |
| CA | 20.500 | 109.900 | 117.900 | 73.000 |
| MG | 9.400 | 107.900 | 105.800 | 59.100 |
| FE | 1.640 | 0.260 | 0.120 | 0.060 |
| MN | 0.050 | 0.010 | 0.010 | 0.010 |
| ZN | 0.200 | 0.030 | 0.030 | 0.030 |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 20.220 | 0.010 | 0.050 | 0.080 |
| CL | 6.800 | 99.800 | 110.000 | 60.200 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | 0.380 | 1.210 | 0.960 | 0.590 |
| OH | - | - | - | - |
| S04 | 277.000 | 674.200 | 748.100 | 386.800 |
| S203 | - | - | - | - |
| HC03 | 0.0 | 381.000 | 390.800 | 260.900 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 95.932 | 127.165 | 157.322 | 115.857 |
| H3P04 | 3.360 | 1.490 | 4.270 | 3.020 |
| HAS02 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | 0.850 | 0.001 | 0.210 | 0.250 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | 3.118 | 9.317 | 9.930 | 9.755 |
| CA/(HC03+CO3) | - | 0.878 | 0.919 | 0.852 |
| MG/CA | 0.756 | 1.619 | 1.480 | 1.335 |
| NA/CA | 0.795 | 1.625 | 1.692 | 1.637 |
| CL/(HC03+CO3) | - | 0.451 | 0.484 | 0.397 |
| CL/F | 9.590 | 44.201 | 61.406 | 54.680 |
| CL*100/(CL+S04+HC03+CO3) | 3.219 | 12.189 | 12.371 | 12.106 |
| S04*100/(CL+S04+HC03+CO3) | 96.781 | 60.774 | 62.094 | 57.410 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.0 | 27.037 | 25.535 | 30.484 |
| (NA+K)*100/(NA+K+CA+MG) | 37.423 | 40.729 | 42.897 | 43.599 |
| CA*100/(NA+K+CA+MG) | 35.632 | 22.630 | 23.027 | 24.154 |
| MG*100/(NA+K+CA+MG) | 26.944 | 36.641 | 34.076 | 32.248 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 100.000 | 72.963 | 74.465 | 69.516 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.0 | 27.037 | 25.535 | 30.484 |
| (NA+K)*100/(NA+K+CA+MG) | 37.423 | 40.729 | 42.897 | 43.599 |
| (CA+MG)*100/(NA+K+CA+MG) | 62.577 | 59.271 | 57.103 | 56.401 |

第 27-3 表 阿蘇地域特定成分含量の頻度分布表

FREQUENCY DATA OF ZN, CU, P₂, AS AND H₂O₂

| ZN | | CU | | P ₂ | | AS | |
|-------------------------------|------|--------|------|-------------------------------|------|-----------------|-------|
| ND | F(%) | ND | F(%) | ND | F(%) | ND | F(%) |
| <0.500 | 52.1 | <0.500 | 19 | <0.050 | 17 | <0.500 | 3 |
| <5.000 | 0 | <3.000 | 1 | <1.000 | 0 | <5.000 | 0 |
| >5.000 | 0 | >3.000 | 1 | >1.000 | 0 | >5.000 | 0 |
| TOTAL | 48 | TOTAL | 48 | TOTAL | 48 | TOTAL | 48 |
| | | | | | | | |
| P ₂ | | AS | | H ₂ O ₂ | | TOTAL | |
| ND | F(%) | ND | F(%) | ND | F(%) | ND | F(%) |
| <0.100 | 81.7 | <0.050 | 17 | <0.050 | 17 | <0.050 | 60.4 |
| <1.000 | 13.3 | <0.500 | 3 | <1.000 | 3 | <1.000 | 35.4 |
| >1.000 | 0 | >5.000 | 0 | >1.000 | 0 | >5.000 | 4.2 |
| TOTAL | 48 | TOTAL | 48 | TOTAL | 48 | TOTAL | 100.0 |
| | | | | | | | |
| H ₂ O ₂ | | TOTAL | | N= NUMBER OF SAMPLES | | F= FREQUENCY(%) | |
| ND | F(%) | ND | F(%) | | | | |
| < 1.000 | 4.2 | | | | | | |
| < 10.000 | 83.3 | | | | | | |
| < 100.000 | 12.5 | | | | | | |
| > 100.000 | 0 | | | | | | |
| TOTAL | 48 | | | | | | |

第 27-1 図 試料採取地 (内の牧地区)



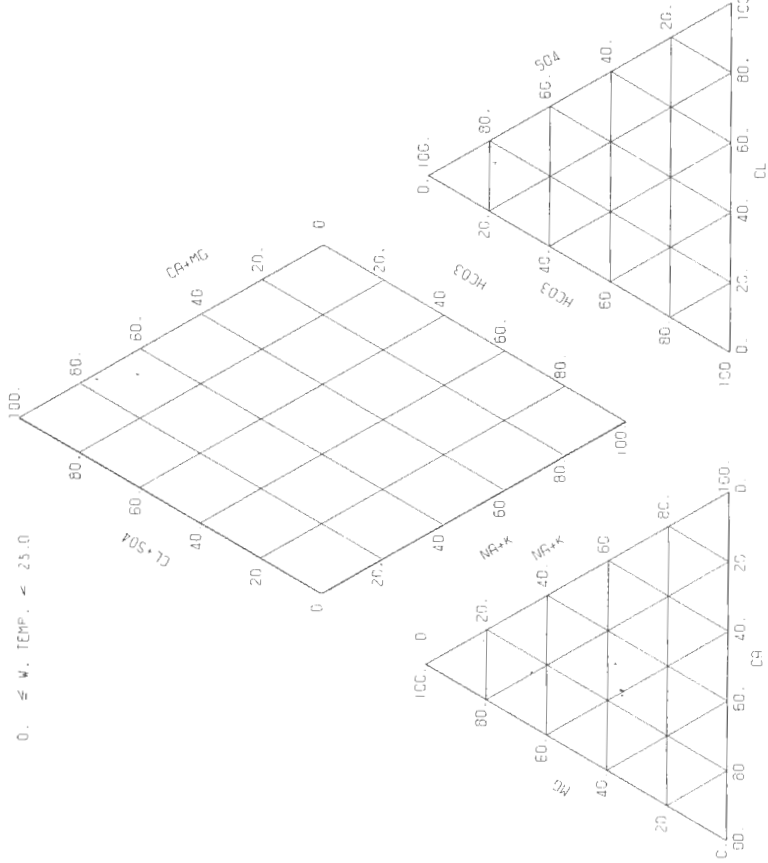
第 27-2 図 試料採取地 (長陽地区)



第 27-3 図 阿蘇地域水質組成図 (その1) (水温25℃未満)

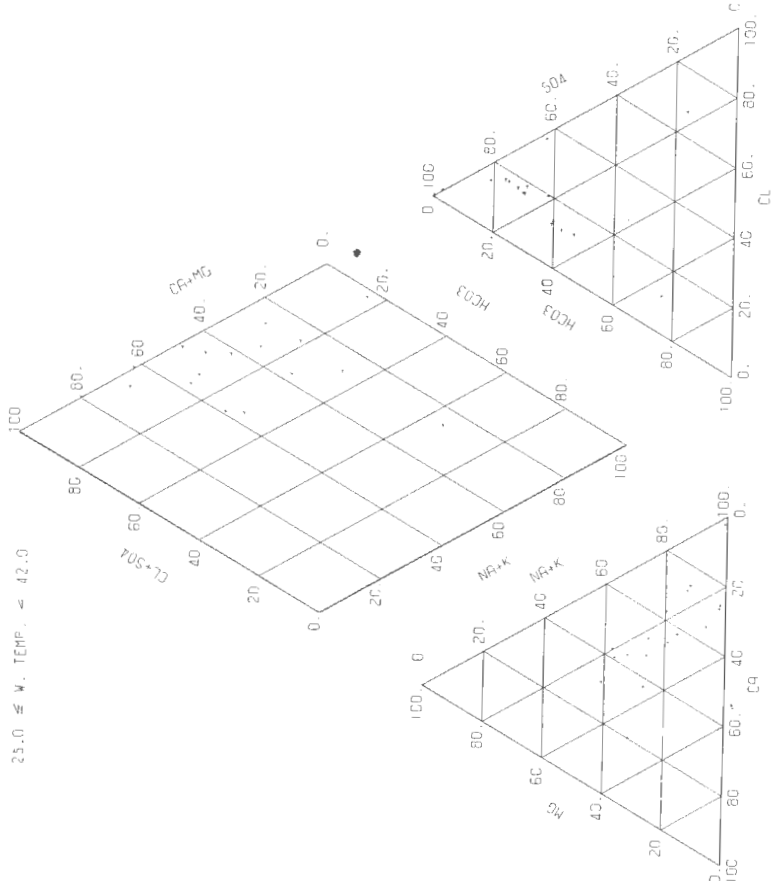
F50

AREA CODE RSC
0. ≦ W. TEMP. < 25.0



第 27-3 図 阿蘇地域水質組成図 (その2) (水温25℃以上42℃未満)

AREA CODE ASC
25.0 ≦ W. TEMP. < 42.0

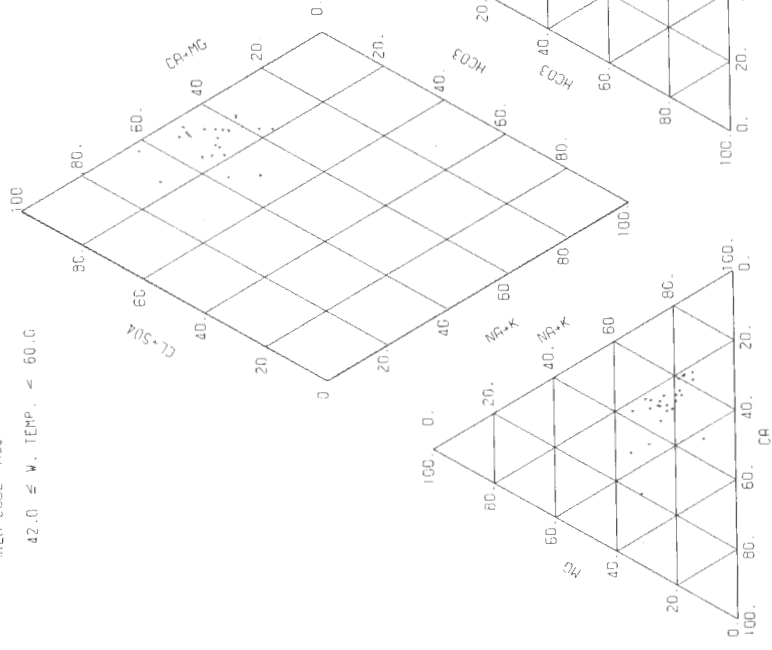


第 27-3 図 阿蘇地域咸水質組成図 (その 3) (水温 42℃ 以上 60℃ 未満)

550

AREA CODE ASC

42.0 ≤ W. TEMP. < 60.0

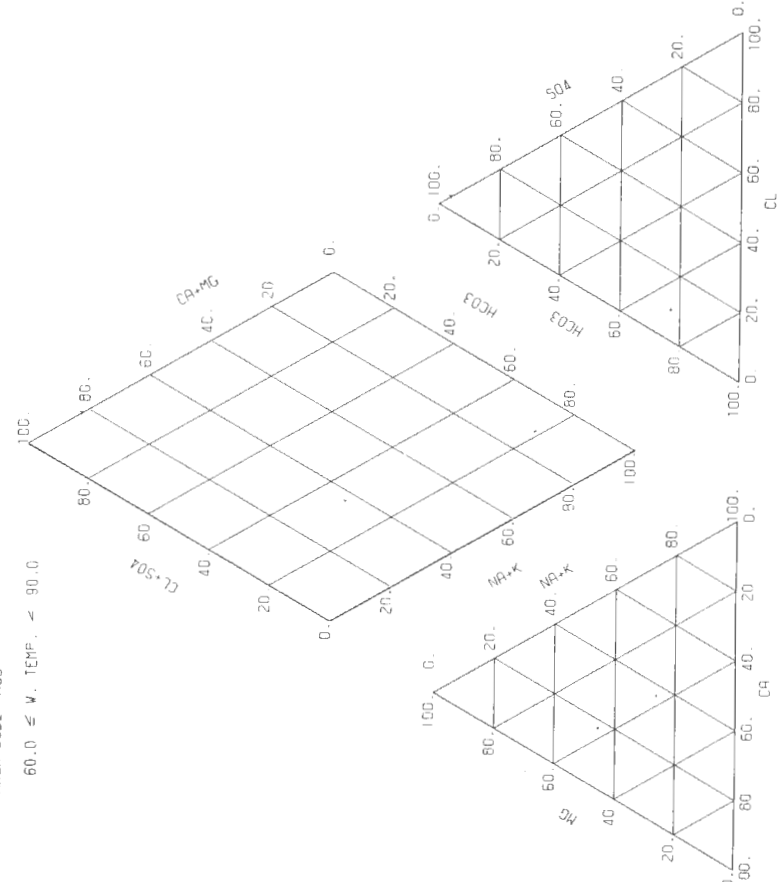


第 27-3 図 阿蘇地域咸水質組成図 (その 4) (水温 60℃ 以上 90℃ 未満)

550

AREA CODE ASC

60.0 ≤ W. TEMP. < 90.0

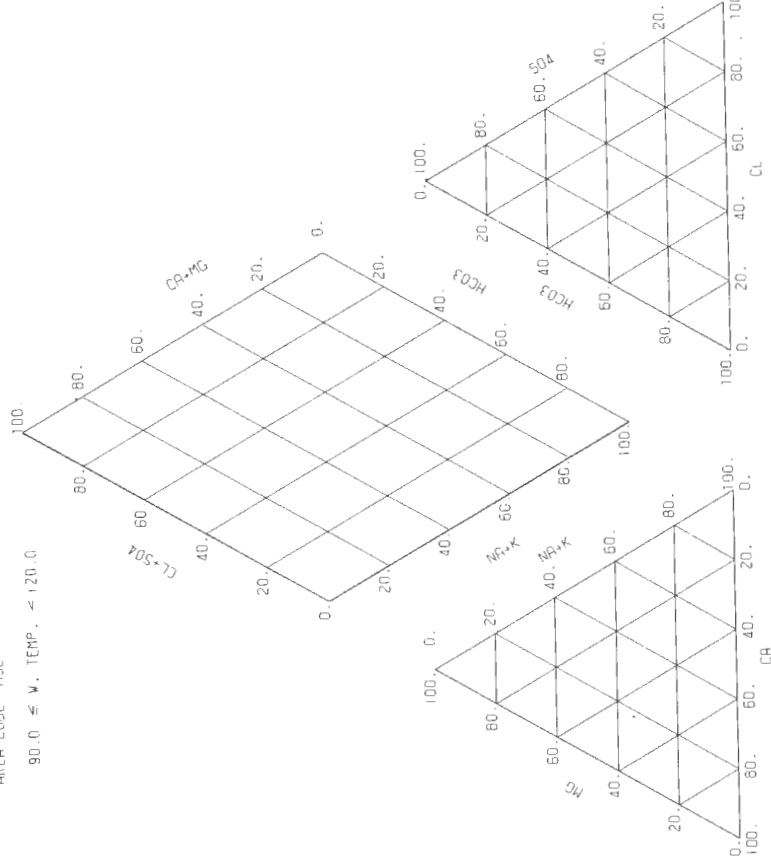


第 27-3 図 阿蘇地域水質組成図 (その 5) (水温90℃以上120℃未満)

A50

AREA CODE ASC

90.0 ≦ W. TEMP. < 120.0

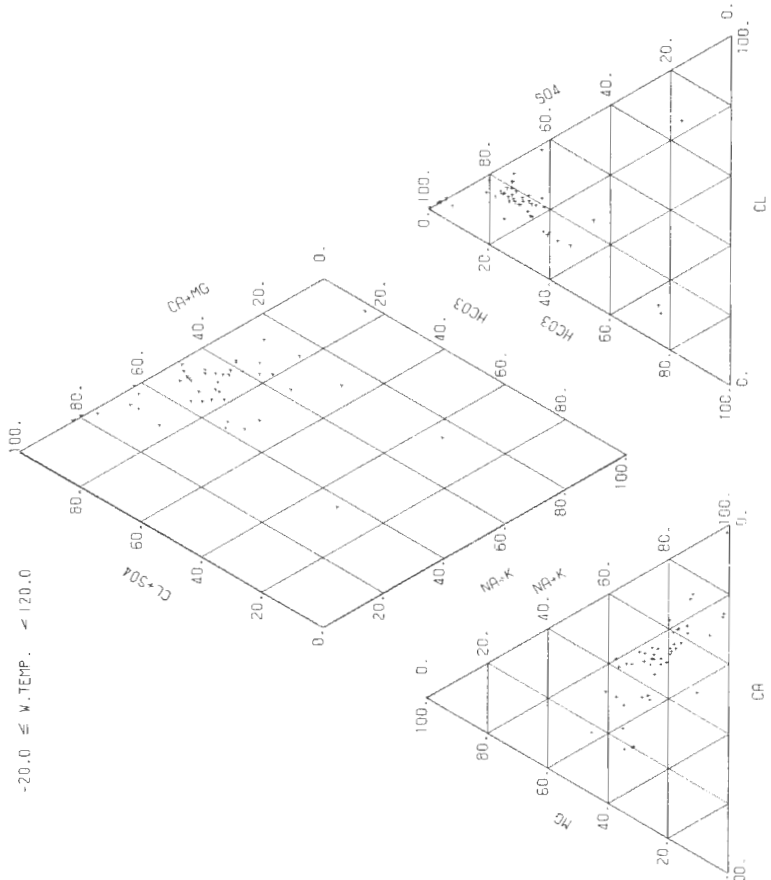


第 27-3 図 阿蘇地域水質組成図 (その 6) (全試料)

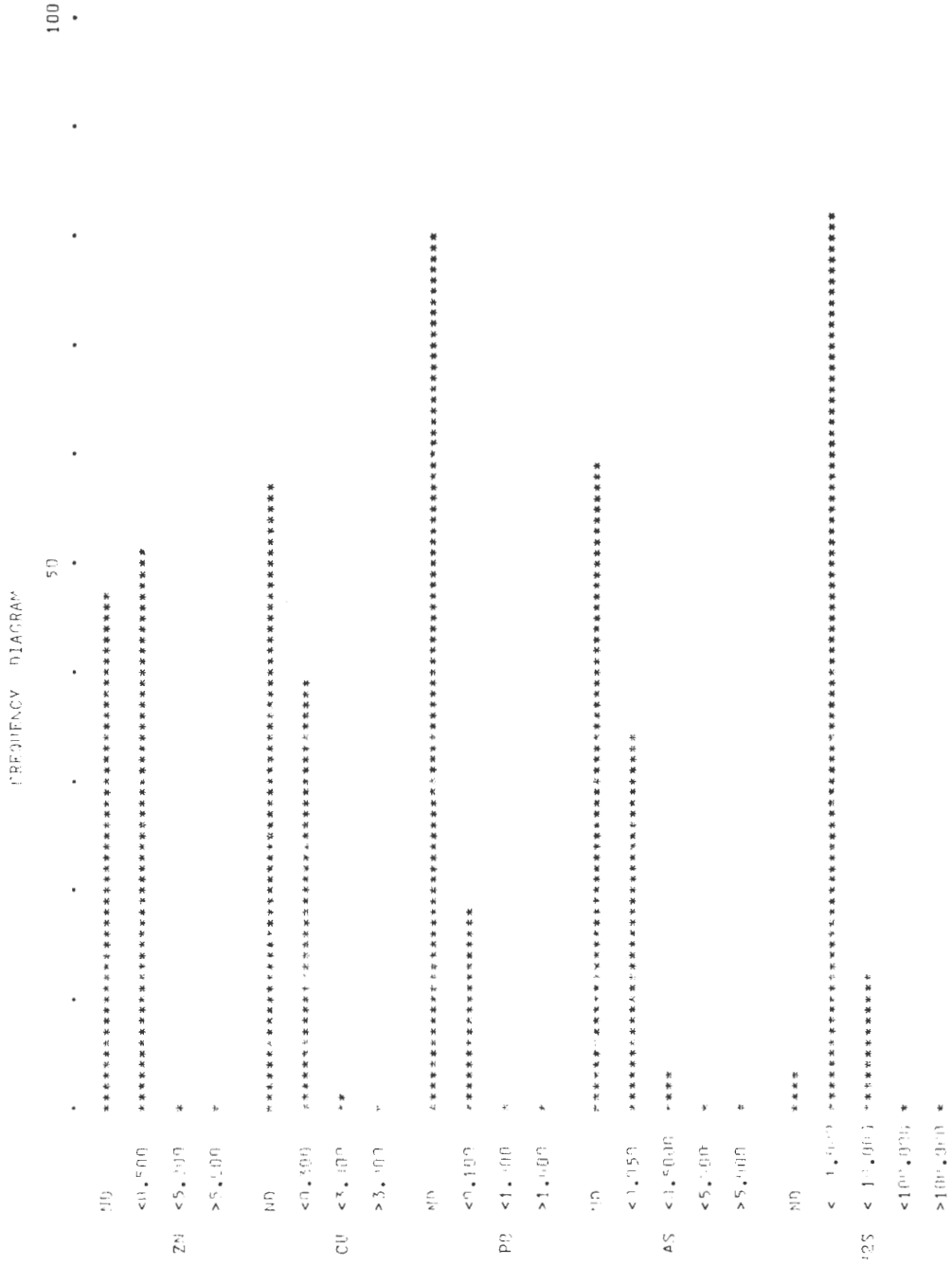
A50

AREA CODE ASC

-20.0 ≦ W. TEMP. < 120.0



第 27-4 図 阿蘇地域特定成分含量の頻度分布図

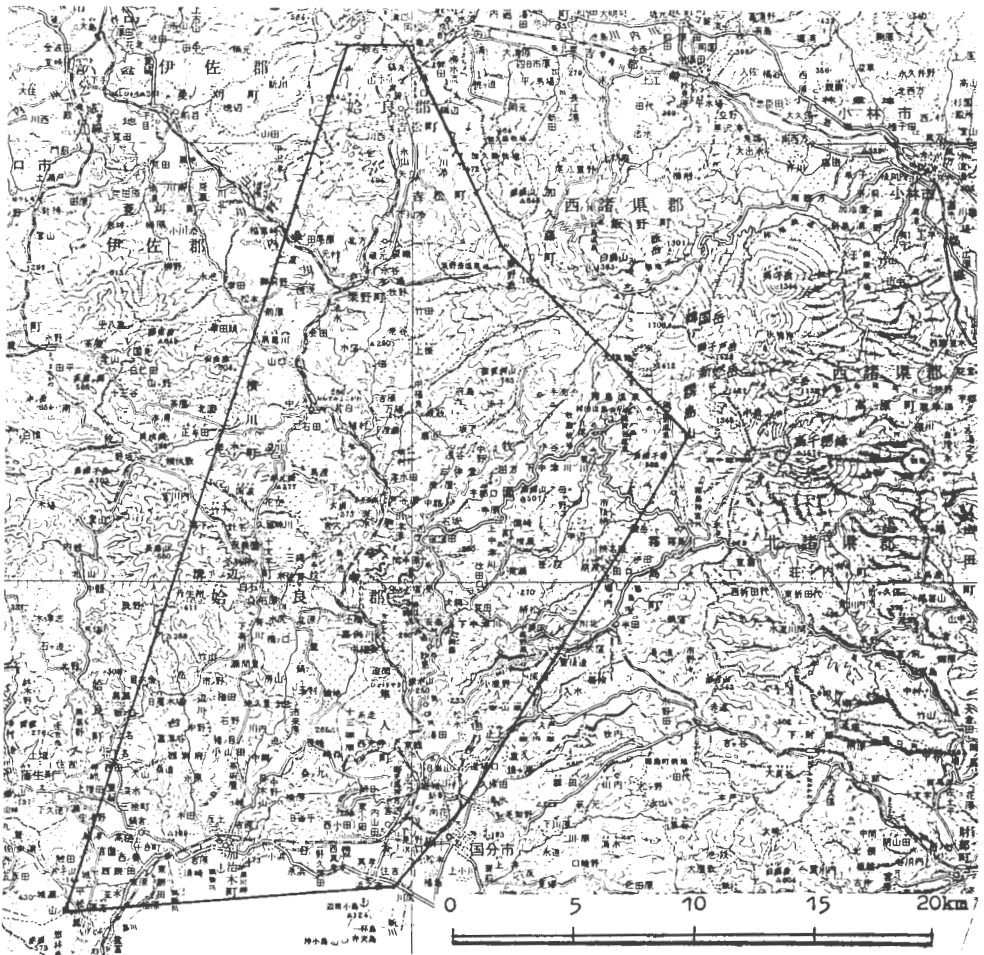


28. 霧島

Kirishima

| | |
|-------|---|
| 位置 | 鹿児島県国分市, 同始良郡始良町, 同郡霧島町, 同郡栗野町, 同郡隼人町, 同郡牧園町, 同郡吉松町 |
| データ数 | 232 |
| 収集・整理 | 安藤 武・比留川 貴 |
| 協力 | 鹿児島県企画部開発課, 同衛生部公衆衛生課 |

調査位置図(20万分の1地勢図 八代, 鹿児島)



第28-1表 霧島地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|------------------|---------|------------|-----|--------------|-------|-----------|---------------------|
| KRC-1 | 鹿児島県姶良郡牟人町東郷1487 | 大正館 | 大正館 | 人 | 1953. 3. 9 | 20 | 32 | Q=60.2l/m, P |
| " | " | 西郷どん湯 | 西郷どん湯 | " | " | " | 33 | Q=71.7l/m, P |
| " | " | 1465の2 | 鶴の湯 | " | " | " | 34 | Q=180l/m, P |
| " | " | 1484の2 | 小松湯 | " | " | " | 35 | Q=65.3l/m, P |
| " | " | 1466 | 日当山共同湯 | " | " | " | 36 | Q=80.7l/m, P |
| " | " | 119 | 亀屋旅館 | " | " | " | 37 | Q=67l/m, P |
| " | " | 1487の7 | 山月荘2号 | " | " | " | 42 | Q=65l/m, P |
| " | " | 1114 | 姫城荘 | " | " | " | 43 | Q=42l/m, P |
| " | " | 1270 | 泉帯温泉 | " | " | " | 44 | D=137m, Q=220l/m, P |
| " | " | 1569 | 司旅館 | " | " | " | 45 | D=150m, Q=55l/m, P |
| " | " | 1590 | 姫城元湯 | " | " | " | 46 | Q=27l/m, P |
| " | " | 4148の14 | 清姫温泉 | " | " | " | 47 | D=160m, Q=108l/m, P |
| " | " | 4190の3 | 山野共同湯 | " | " | " | 48 | D=190m, Q=57l/m, P |
| " | " | 3948 | 新鉄湯 | 安 | 1954. 5. 20 | " | 54 | Q=33l/m |
| " | " | 3929 | 殿様湯 | 尾 | " | " | 55 | Q=25l/m, F |
| " | " | 3929 | 高千穂館3号(鉄湯) | 栄 | 1953. 11. 24 | " | 56 | Q=1020l/m |
| " | " | 3914 | 霧島館 | 硫 | " | " | 57 | Q=45l/m |
| " | " | 3875の15 | 丸尾旅館1号 | 谷 | " | " | 58 | D=0 m, Q=45l/m, F |
| " | " | 3883の1 | 丸尾旅館2号 | " | " | " | 59 | D=0 m, Q=180l/m, F |
| " | " | 3878 | 牧之段 | 丸 | " | " | 60 | D=0 m, Q=60l/m, F |
| " | " | 3806 | 風景館 | " | " | " | 61 | D=0 m, Q=40l/m, F |
| " | " | 4193の2 | 殿湯(混合) | " | " | " | 62 | D=0 m, Q=1.5l/m, F |
| " | " | 4186の2 | 二見屋 | " | " | " | 63 | D=0 m, Q=10.5l/m, F |
| " | " | 4970 | 静流荘(自炊部) | " | 1954. 2. 9 | " | 64 | D=0 m, Q=43.3l/m, F |
| " | " | 4193の3 | うまネ | " | " | " | 65 | D=70m, Q=3.7l/m, F |
| " | " | 4236 | 安楽荘(明ばん) | " | " | " | 66 | D=0 m, Q=25l/m, F |
| " | " | 4230の2 | たか塩湯 | 尾 | " | " | 67 | Q=55.4l/m, X |
| " | " | 4152 | お大師温泉 | 栄 | " | " | 68 | Q=21l/m |
| " | " | 4125 | 田島旅館共同湯 | 安 | " | " | 69 | Q=210l/m, F |
| " | " | " | 田島旅館共同湯 | " | " | " | 70 | Q=7.5l/m, F |
| " | " | " | 折橋丸湯 | 吉 | " | " | 71 | Q=20l/m, X |
| " | " | " | うまネ | 妙 | " | " | 72 | Q=145l/m, P |
| " | " | " | しほ湯 | " | " | " | 73 | Q=166l/m, F |
| " | " | " | 1号 | 安 | " | " | 74 | Q=61.5l/m, F |
| " | " | " | " | " | " | " | 75 | Q=320l/m, F, X |
| " | " | " | " | " | " | " | 76 | Q=31l/m |
| " | " | " | " | 新 | " | " | 77 | Q=135l/m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|--------|----------------------|-----|----------|-----|------------|-------|---------------|------------------------|
| KRC-38 | 鹿児島県始良郡車人町姫城金竹1269の7 | 車丸 | おしどり旅館 | 尾人 | 1955.11.25 | 21 | 116 | Q=56//m |
| " | " | 丸 | 丸尾旅館3号 | 尾人 | 1956.9.5 | " | 132 | D=0 m, Q=31//m, F |
| " | " | " | 神泉館1号 | " | " | " | 133 | D=0 m, Q=31//m, F |
| " | " | " | 牧水荘1号 | " | 11.14 | " | 134 | Q=15.5//m |
| " | " | 国 | (浜田尚友) | 分 | 1957.1.21 | " | 136 | D=520m, Q=216//m, P, X |
| " | " | 丸 | 風景館 | 尾野 | 1956.11.13 | " | 137 | D=0 m, Q=17.6//m, F |
| " | " | 栗 | 桜島 | 岳 | " | " | 139 | Q=22.5//m |
| " | " | " | 竹の湯 | " | 11.27 | " | 140 | Q=39//m |
| " | " | 吉 | 前田湯 | 松 | " | " | 141 | D=200m, Q=18//m, F, X |
| " | " | " | 原口湯 | " | 12.5 | " | 142 | D=150m, Q=42.5//m, F |
| " | " | " | 吉松湯 | " | " | " | 143 | Q=44//m |
| " | " | " | きくの湯1号 | " | 12.6 | " | 144 | D=150m, Q=33.5//m, F |
| " | " | " | 雪松湯 | " | 12.6 | " | 145 | D=170m, Q=10//m, F |
| " | " | " | 般若寺湯 | " | 12.6 | " | 146 | D=30m, Q=20.5//m, F |
| " | " | " | 日の出湯1号 | " | " | " | 147 | D=117m, Q=32//m, F |
| " | " | " | 竹田湯 | " | 11.19 | " | 148 | D=240m, Q=12//m, F |
| " | " | " | 川田湯 | " | 11.19 | " | 149 | D=200m, Q=12//m, F |
| " | " | 丸 | 万晴湯 | 尾人 | 1957.5.22 | " | 153 | Q=82//m |
| " | " | 車 | 松永ラムネ | 人 | " | " | 154 | D=258m, Q=185//m, P |
| " | " | 丸 | 神泉館2号 | 尾人 | " | " | 155 | D=48m, Q=27//m, F |
| " | " | " | 山之城湯 | " | 6.18 | " | 156 | Q=410//m |
| " | " | 安 | 霧島炭酸泉 | 栗 | 1958.9.12 | " | 176 | Q=8.6//m, X |
| " | " | 日 | 塩湯1号 | 出 | 1959.6.24 | " | 198 | D=0 m, Q=31//m, F |
| " | " | 車 | 吉田1号 | 人 | " | " | 186 | D=150m, Q=40//m, F |
| " | " | " | 望岳荘 | " | 4.1 | " | 187 | D=60m, Q=65m, P |
| " | " | 丸 | 静流荘(明ばん) | 尾 | " | " | 188 | D=0 m, Q=19//m, F, X |
| " | " | " | 静流荘(有明) | " | 4.18 | " | 190 | D=0 m, Q=65//m, F |
| " | " | 硫 | 高千穂館 | 黄 | " | " | 191 | D=0 m, Q=60//m, F |
| " | " | 丸 | 丸尾旅館4号 | 尾 | 4.15 | " | 192 | D=0 m, Q=240//m, F |
| " | " | 横 | 2号 | 瀬 | 4.17 | " | 193 | D=0 m, Q=2.5//m, F |
| " | " | 塩 | 鶴の湯 | 浸 | " | " | 196 | D=0 m, Q=130//m, F |
| " | " | 安 | 境田鉄湯 | 染 | 6.28 | " | 197 | D=0 m, Q=43//m, F |
| " | " | 山 | 2号 | 之 | " | " | 201 | Q=11.5//m, F |
| " | " | 宋 | 林田, 岩風呂 | 之 | 6.18 | " | 202 | Q=100//m, F |
| " | " | 湯 | 蓬泉館1号池 | 野 | 6.19 | " | 203 | D=0 m, Q=250//m, F |
| " | " | " | " | " | 9.8 | " | 205 | Q=300//m |
| " | " | " | " | " | 9.9 | " | 206 | |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の no. 試料 no. | 備考 |
|--------|---------------------|------|-----|------------|-------------|-------|--------------------|-------------------------|
| KRC-76 | 鹿児島県姶良郡霧島町山口霧島山2607 | 湯丸 | 野尾 | 蓮泉館2号池 | 1959. 9. 9 | 22 | 209 | |
| "-77 | " " " " " " | " " | " " | 霧島荘 | 1960. 3. 7 | " | 229 | D=0 m, Q=29 l/m, F |
| "-78 | " " " " " " | " " | " " | 内門1号 | 1961. 1. 18 | " | 240 | D=226m, Q=10 l/m, F |
| "-79 | " " " " " " | " " | " " | 内門2号 | " 1. 18 | " | 241 | D=0 m, Q=17 l/m, F |
| "-80 | " " " " " " | 吉丸 | 松尾 | きくの湯2号 | " 9. 4 | " | 247 | D=180m, Q=190 l/m, F, X |
| "-81 | " " " " " " | 丸 | 尾 | うぐいす谷荘 | " 11. 10 | " | 248 | D=0 m, Q=90 l/m, F |
| "-82 | " " " " " " | 湯丸 | 野尾 | みやま荘 | 1962. 1. 9 | " | 249 | D=170m, Q=150 l/m |
| "-83 | " " " " " " | 丸 | 尾 | 山城蔵前1号 | " 4. 19 | " | 254 | Q=17 l/m |
| "-84 | " " " " " " | " " | " " | 山城蔵前2号 | " 4. 19 | " | 255 | Q=20 l/m |
| "-85 | " " " " " " | " " | " " | 山城蔵前3号 | " 4. 19 | " | 256 | Q=30 l/m |
| "-86 | " " " " " " | " " | " " | 丸尾旅館5号 | " 9. 5 | " | 262 | D=0 m, Q=60 l/m, F |
| "-87 | " " " " " " | " " | " " | 丸尾旅館6号 | " 9. 5 | " | 263 | Q=15 l/m, X |
| "-88 | " " " " " " | " " | " " | 山城蔵前4号 | " 10. 2 | " | 264 | Q=15 l/m |
| "-89 | " " " " " " | 隼 | 人 | 津曲共同湯 | " 11. 12 | " | 266 | D=320m, Q=260 l/m, F |
| "-90 | " " " " " " | (手洗) | 人 | 小谷温泉 | 1963. 5. 27 | " | 278 | Q=440 l/m |
| "-91 | " " " " " " | " " | " " | 山城蔵前5号 | " 6. 17 | " | 292 | Q=20 l/m |
| "-92 | " " " " " " | 安湯 | 乗野 | たつみ屋 | 1959. 6. 25 | 21 | 199 | Q=51 l/m, F |
| "-93 | " " " " " " | 湯 | 野 | 町宮温泉 | 1963. 9. 9 | 22 | 298 | Q=450 l/m, X |
| "-94 | " " " " " " | 隼 | 人 | 霧病1号 | " 9. 10 | " | 299 | D=200m, Q=20 l/m, F |
| "-95 | " " " " " " | 丸 | 尾 | 大正館 | 1964. 5. 25 | 23 | 317 | KRC-1と同一源泉 |
| "-96 | " " " " " " | " " | " " | やまぎり荘1号 | " 5. 26 | " | 318 | Q=80 l/m |
| "-97 | " " " " " " | " " | " " | 霧島観光ホテル | 1971. 4. 20 | 27 | 591 | D=250m, Q=90 l/m, P |
| "-98 | " " " " " " | " " | " " | 岩元温泉 | 1964. 5. 27 | 23 | 320 | Q=200 l/m, F |
| "-99 | " " " " " " | " " | " " | 原田温泉 | " 5. 26 | " | 321 | Q=7 l/m, F |
| "-100 | " " " " " " | 新丸 | 湯尾 | 1号 | " 5. 27 | " | 322 | |
| "-101 | " " " " " " | " " | " " | 池呂林レストセンター | " 8. 12 | " | 326 | D=100m |
| "-102 | " " " " " " | (手洗) | 尾 | 公園荘 | " 8. 12 | " | 327 | D=97m, Q=37 l/m |
| "-103 | " " " " " " | 丸 | 尾 | 霧島開発K.K. | " 8. 11 | " | 328 | D=50m, Q=70 l/m |
| "-104 | " " " " " " | 姫 | 城 | 鹿大分院3号 | " 12. 14 | " | 336 | D=86m, Q=50 l/m |
| "-105 | " " " " " " | " " | " " | 隼人温泉病院 | 1965. 1. 25 | " | 339 | D=170m, Q=200 l/m, F |
| "-106 | " " " " " " | 吉丸 | 松尾 | 千石湯 | " 1. 25 | " | 340 | D=80m, Q=34 l/m, P |
| "-107 | " " " " " " | 丸 | 尾 | 鶴丸温泉 | " 1. 29 | " | 343 | D=150m, Q=35 l/m, P |
| "-108 | " " " " " " | 妙安 | 見 | さつま路 | " 1. 26 | " | 344 | D=183m, Q=31. 1 l/m |
| "-109 | " " " " " " | " " | " " | 霧島山上ホテル | " 4. 20 | " | 345 | D=111m |
| "-110 | " " " " " " | 安丸 | 柴尾 | さざり荘 | " 4. 21 | " | 348 | Q=17 l/m, F, X |
| "-111 | " " " " " " | " " | " " | 安栖旅館 | " 4. 21 | " | 350 | Q=12 l/m |
| "-112 | " " " " " " | " " | " " | 霧島第一ホテル | " 7. 8 | " | 359 | D=178m, Q=86 l/m |

| No. | 産地 | 温泉名 | 源泉名 | 採年月日 | 文献no. | 文献中の no. 試料no. | 備考 |
|---------|-------------------|-----|---------|-------------|-------|-------------------|-----------------------|
| KRC-113 | 鹿児島県始良郡牧園町高千穂3957 | 丸山 | 霧島高原庄 | 1965. 7. 8 | 23 | 360 | D=153m, Q=30//m, P, ● |
| " | " | 丸山 | 山の湯1号 | " 8. 3 | " | 362 | Q=80//m, F |
| " | " | 丸山 | (尾辻サマ子) | " 8. 2 | " | 364 | D=100m, Q=50//m |
| " | " | " | 古江病院 | " 9. 10 | " | 368 | D=100m |
| " | " | 砂 | 霧島妙見ホテル | " 10. 1 | " | 370 | D=86m, Q=13//m, F |
| " | " | 丸 | 蒼林閣 | 1966. 3. 24 | 24 | 383 | D=211m |
| " | " | 年 | 鶴丸庄 | " 4. 19 | " | 386 | D=156m, Q=50//m, P |
| " | " | " | 中馬湯 | " 6. 7 | " | 389 | D=123m, Q=40//m, P |
| " | " | 吉 | 能勢湯 | " 6. 7 | " | 390 | D=120m, Q=102//m, F |
| " | " | 集 | ニュー星華閣 | " 6. 16 | " | 391 | D=500m, Q=20//m, F |
| " | " | 横 | (坂元盛久) | " 7. 15 | " | 392 | D=196m, Q=140//m, F |
| " | " | 丸 | 丸尾滝庄 | " 8. 9 | " | 394 | Q=15//m, F |
| " | " | 浜 | 不老泉 | " 9. 8 | " | 395 | Q=60//m, P |
| " | " | 年 | 鶴丸医院 | " 9. 8 | " | 397 | Q=20//m, P |
| " | " | 新 | 炭酸ブリスメン | 12. 2 | " | 403 | D=150m, Q=20//m, P |
| " | " | " | ター | 1967. 3. 14 | 25 | 406 | D=174m, Q=1500//m, F |
| " | " | 丸 | 前田嘉市 | " 5. 23 | " | 410 | |
| " | " | 吉 | たつみ湯 | " 5. 25 | " | 411 | |
| " | " | 年 | 日高湯 | " 5. 29 | " | 412 | D=162m, Q=30//m, F |
| " | " | " | いづみ荘 | " 5. 29 | " | 413 | D=150m, Q=67//m, P, X |
| " | " | 山 | 2号 | " 5. 30 | " | 414 | KRC-72と同一源泉 |
| " | " | 湯 | (霧島町) | " 5. 31 | " | 415 | D=150m |
| " | " | 年 | 国分荘 | " 10. 4 | " | 419 | D=132m, Q=105//m, P |
| " | " | " | 日当山共同湯 | " 9. 21 | " | 420 | KRC-5と同一源泉 |
| " | " | " | 泉帯温泉 | " 10. 4 | " | 422 | D=137m, Q=50//m, P |
| " | " | " | 司旅館 | " 10. 4 | " | 423 | KRC-10と同一源泉 |
| " | " | 妙 | 関平温泉 | " 10. 19 | " | 424 | D=0 m, Q=30//m, F |
| " | " | " | 妙見荘 | " 12. 7 | " | 426 | Q=480//m |
| " | " | " | 折橋旅館 | " 12. 7 | " | 427 | D=204m, Q=120//m, P |
| " | " | " | 妙見館 | " 12. 7 | " | 428 | D=176m, Q=60//m |
| " | " | 安 | 安栖三者共同 | " 12. 7 | " | 429 | Q=190//m |
| " | " | 丸 | 霧島観光ホテル | 1968. 1. 19 | " | 430 | D=250m |
| " | " | 年 | 竹迫湯 | 1967. 9. 21 | " | 421 | D=162m, Q=25//m |
| " | " | 山 | せせらぎ | 1968. 1. 30 | " | 435 | Q=42//m, P |
| " | " | 年 | 日当山旅館 | " 1. 30 | " | 436 | D=152m, Q=90//m, P |
| " | " | " | 中西湯 | " 6. 17 | " | 449 | D=160m, Q=24//m, F |
| " | " | " | 小浜湯 | " 6. 16 | " | 450 | Q=240//m, P, X |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献中の no. 試料 no. | 備考 | |
|---------|--------------------|-----|----------|-------------|--------------------|-----|------------------------|
| KRC-150 | 鹿児島県始良郡牧園町下中津川妙見崎1 | 妙見 | 田中会館 | 1968. 6. 20 | 25 | 451 | D=134m, Q=450l/m, F |
| " | " | 隼 | ねむの湯 | " | " | 453 | D=180m, Q=100l/m, P, X |
| " | " | 妙 | 赤塚湯 | " | " | 454 | D=206m, Q=430l/m, F |
| " | " | 隼 | 隼人温泉プール | " | " | 457 | D=354m, Q=45l/m, X |
| " | " | " | 吉田温泉 | " | " | 459 | D=123m, Q=110l/m |
| " | " | " | おしどり温泉2号 | " | " | 460 | Q=120l/m, P |
| " | " | 安 | 山浦湯 | " | " | 461 | D=133m, Q=200l/m |
| " | " | 隼 | 輝北温泉 | " | " | 467 | D=162m, Q=67l/m, P |
| " | " | " | 崎浜湯 | " | " | 468 | D=177m, Q=99l/m, P |
| " | " | " | 太陽館 | " | " | 469 | D=142m, Q=150l/m, P |
| " | " | " | 城山旅館 | " | " | 470 | D=181m, Q=260l/m, P, X |
| " | " | " | 松下病院 | " | " | 472 | Q=48l/m, P, X |
| " | " | 妙 | (田代重利) | 1969. 3. 17 | 26 | 477 | D=173m, Q=1000l/m, F |
| " | " | 隼 | 吉永湯 | " | " | 489 | D=140m, Q=70l/m, P |
| " | " | " | 丸福荘 | " | " | 512 | KRC-120と同一源泉 |
| " | " | " | (春口静哉) | " | " | 513 | D=177m, Q=24l/m |
| " | " | " | ホテルはつよ | " | " | 515 | Q=20l/m, P, X |
| " | " | 重 | (谷迫道夫) | " | " | 516 | Q=100l/m, P, X |
| " | " | 隼 | みなと湯 | " | " | 518 | Q=120l/m, P |
| " | " | 丸 | つねよし荘1号 | " | " | 520 | D=35m |
| " | " | " | ニューブランド | " | " | 521 | D=110m, X, ● |
| " | " | " | ホテル1号 | " | " | 522 | D=70m, ● |
| " | " | " | ホテル2号 | " | " | 523 | D=120m, ● |
| " | " | " | ニューブランド | " | " | 524 | KRC-11と同一源泉 |
| " | " | 隼 | 姫城元湯 | " | " | 529 | D=93m, Q=20l/m |
| " | " | 丸 | ニューブランド | " | " | 530 | D=50m, ● |
| " | " | " | ホテル4号 | " | " | 531 | D=68m, Q=1.5l/m, F |
| " | " | 吉 | つねよし荘3号 | " | " | 532 | D=215m, Q=45l/m, P |
| " | " | " | 原口湯2号 | " | " | 533 | D=153m, Q=600l/m, F |
| " | " | 妙 | 松島妙見ホテル | " | " | 536 | D=200m, Q=30l/m, F |
| " | " | 吉 | 中原湯 | " | " | 548 | D=0m, Q=80l/m, F |
| " | " | 塩 | 温泉センター1号 | 1970. 3. 19 | " | 549 | D=0m, Q=600l/m, F |
| " | " | " | 温泉センター2号 | " | " | 550 | D=198m, Q=160l/m, F |
| " | " | 妙 | 折橋旅館3号 | " | " | 551 | D=174m, Q=250l/m, F |
| " | " | " | 妙見館3号 | " | " | | |

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献中の no. 試料 no. | 備考 |
|---------|--------------------|-----|-----|-------------|--------------------|----------------------------|
| KRC-184 | 鹿児島県始良郡吉松町鶴丸1261の5 | 吉 | 松 | 1970. 3. 23 | 26 | Q = 18//m, P |
| -185 | " " " " " " " " | " | " | " | " | Q = 5//m, F |
| -186 | " " " " " " " " | " | " | " | " | Q = 10//m, F |
| -187 | " " " " " " " " | " | " | " | " | Q = 10//m, F |
| -188 | " " " " " " " " | 隼 | 人 | " | " | Q = 150//m, P |
| -189 | " " " " " " " " | " | " | " | " | Q = 51//m, P |
| -190 | " " " " " " " " | " | " | " | " | Q = 170//m, P |
| -191 | " " " " " " " " | " | " | " | " | Q = 55//m, P |
| -192 | " " " " " " " " | " | " | " | " | Q = 170//m, P |
| -193 | " " " " " " " " | 妙 | 見 | " | " | Q = 60m, P |
| -194 | " " " " " " " " | ラ | ム | " | " | Q = 145m, Q = 580//m, F, X |
| -195 | " " " " " " " " | " | " | " | " | Q = 0 m, Q = 10//m, F |
| -196 | " " " " " " " " | 丸 | 尾 | " | " | Q = 0 m, Q = 12//m, F |
| -197 | " " " " " " " " | 作 | 人 | " | " | D = 142m |
| -198 | " " " " " " " " | " | " | " | " | KRC-56と同一源泉 |
| -199 | " " " " " " " " | " | " | " | " | D = 258m, Q = 46//m, F |
| -200 | " " " " " " " " | 妙 | 見 | " | " | D = 172m, Q = 27//m, P |
| -201 | " " " " " " " " | 安 | 楽 | 1971. 1. 26 | " | D = 225m, Q = 36. 8//m, F |
| -202 | " " " " " " " " | 妙 | 見 | " | " | D = 174m, Q = 200//m, F, X |
| -203 | " " " " " " " " | 安 | 楽 | " | " | Q = 20//m, P |
| -204 | " " " " " " " " | 間 | 手 | " | " | Q = 280//m, F |
| -205 | " " " " " " " " | 作 | 人 | " | " | Q = 150//m, P |
| -206 | " " " " " " " " | 丸 | 尾 | " | " | D = 276m, Q = 90//m, P |
| -207 | " " " " " " " " | " | " | " | " | D = 157m ● |
| -208 | " " " " " " " " | 安 | 楽 | " | " | D = 145m, Q = 200//m, F |
| -209 | " " " " " " " " | 隼 | 人 | " | " | D = 306m, Q = 40//m, F |
| -210 | " " " " " " " " | " | " | " | " | D = 240m, Q = 95//m, P |
| -211 | " " " " " " " " | " | " | " | " | D = 250m, Q = 180//m, P, X |
| -212 | " " " " " " " " | " | " | " | " | D = 230m, Q = 60//m, F |
| -213 | " " " " " " " " | " | " | " | " | D = 320m, Q = 60//m, F |
| -214 | " " " " " " " " | 妙 | 見 | 1972. 1. 12 | " | Q = 46//m, F, X |
| -215 | " " " " " " " " | 丸 | 尾 | " | " | Q = 250//m, F |
| -216 | " " " " " " " " | 吉 | 松 | " | " | D = 110m, ● |
| -217 | " " " " " " " " | 横 | 瀬 | " | " | D = 280m, Q = 60//m, F |
| -218 | " " " " " " " " | 妙 | 見 | " | " | Q = 70//m, P |
| -219 | " " " " " " " " | " | " | " | " | Q = 200//m, F |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料no. | 備考 |
|---------|------------------------|---------|--------------------|---------------|-------------|-------|---------------|------------------------|
| KRC-220 | 鹿児島県始良郡牧園町高千穂栄之尾3957の3 | 栄之尾(手洗) | 尾(東太市) | 尾(東太市) | 1972. 5. 1 | 27 | 637 | D=157m ● |
| " | " | " | " | 創価学会1号 | " | " | 643 | D=150m, Q=12l/m, F, ● |
| " | " | " | " | 創価学会2号 | " | " | 644 | D=150m, F, ● |
| " | " | " | 牟人町姫城金竹1269の2 | ホテル降川 | " | " | 647 | Q=120l/m, P |
| " | " | " | " | 東郷山下1155の6 | " | " | 654 | Q=100l/m, P |
| " | " | " | 牧園町高千穂殿湯3912 | 福祉センター | " | " | 655 | D=500m, P |
| " | " | " | 牟人町姫城浮田1911の27 | 国際ホテル1号改 | " | " | 657 | D=157m, P |
| " | " | " | 国分市広瀬高橋畑1040の2 | (後平直助) | " | " | 658 | D=200m, Q=48l/m, P, X |
| " | " | " | " | 国分興産 | " | " | 662 | Q=80l/m, P, X |
| " | " | " | 重久カネツキ35の1 | 国分ゴルフセン ター | 1973. 1. 12 | " | " | Q=100l/m, P |
| " | " | " | 始良郡牧園町高千穂殿湯3837の77 | 尾 | " | " | 663 | X |
| " | " | " | " | 牟人町松永野田280 | " | " | 664 | D=351m, Q=200l/m, P |
| " | " | " | " | 牧園町宿窪田安楽4155 | " | " | 665 | D=120m, Q=480l/m, F |
| " | " | " | " | 牟人町湯元1462 | " | " | 666 | D=350m, Q=200l/m, P, X |

温泉名の()は角(1975)にないもの、源泉名の()は申請者名、備考のDは深度(m), Qは湧(掛)水量(l/m), Fは自噴, Pはポンプ揚水, Xは源泉位置不明, ●は噴気注水型温泉, D=0m, ……Fは自然湧出を示す.

第28-2表 瀛島地庫水質一覽表

| | KBC 1 | KBC 2 | KBC 3 | KBC 4 |
|----------------------------------|---------|---------|---------|---------|
| NO | 46.0 | 46.0 | 44.8 | 46.0 |
| TEMP | 887.000 | 887.000 | 897.000 | 844.800 |
| TSM | 7.70 | 7.70 | 7.60 | 7.50 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 32.100 | 27.430 | 29.860 | 32.290 |
| NA | 278.000 | 277.800 | 280.600 | 261.500 |
| NH4 | - | - | - | - |
| CA | 11.090 | 10.720 | 10.860 | 13.340 |
| MG | 6.116 | 7.182 | 6.837 | 0.563 |
| FE | - | 0.109 | 0.273 | 0.236 |
| MN | - | 0.014 | 0.001 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 0.021 | 0.014 | 0.037 |
| CL | 90.500 | 80.040 | 80.840 | 73.040 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 23.200 | 17.520 | 27.480 | 28.000 |
| S203 | - | - | - | - |
| HC03 | 664.700 | 682.800 | 682.000 | 651.000 |
| CO3 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 110.164 | 113.933 | 107.317 | 112.164 |
| HB02 | - | - | - | - |
| H3PO4 | 3.237 | 3.921 | 6.126 | 5.707 |
| HAS02 | - | - | - | - |
| CO2 | 25.610 | 28.070 | 20.770 | 20.770 |
| H2S | - | - | - | - |
| RN (*F-10 CURIE/L) | 5.250 | 1.890 | 4.000 | 4.280 |
| NA/K | 14.727 | 17.222 | 15.980 | 13.772 |
| CA/(HC03+CO3) | 0.051 | 0.048 | 0.048 | 0.062 |
| MG/CA | 0.910 | 1.105 | 1.038 | - |
| NA/CA | 21.872 | 22.591 | 22.524 | 17.089 |
| CL/(HC03+CO3) | 0.235 | 0.202 | 0.204 | 0.193 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 18.343 | 16.345 | 16.254 | 15.477 |
| S04*100/(CL+S04+HC03+CO3) | 3.467 | 2.641 | 4.078 | 4.379 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 78.190 | 81.014 | 79.669 | 80.145 |
| (NA+K)*100/(NA+K+CA+MG) | 92.440 | 91.907 | 92.152 | - |
| CA*100/(NA+K+CA+MG) | 3.958 | 3.850 | 3.850 | - |
| MG*100/(NA+K+CA+MG) | 3.603 | 4.248 | 3.997 | - |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 21.810 | 18.986 | 20.331 | 19.855 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 78.190 | 81.014 | 79.669 | 80.145 |
| (NA+K)*100/(NA+K+CA+MG) | 92.440 | 91.907 | 92.152 | - |
| (CA+MG)*100/(NA+K+CA+MG) | 7.560 | 8.093 | 7.848 | - |

第28-2表 汚染地底水質一覧表(つづき)

| | KRC 5 | | KRC 6 | | KRC 7 | | KRC 8 | |
|----------------------------------|---------|--------|---------|--------|---------|--------|----------|--------|
| NO | 28.260 | 0.723 | 31.780 | 0.813 | 35.730 | 0.914 | 32.170 | 0.823 |
| TEMP | 45.5 | 11.475 | 271.600 | 11.815 | 310.100 | 13.489 | 316.900 | 13.785 |
| TSM | 936.500 | | | | | | 1035.000 | |
| PH(FD) | 7.70 | | | | | 7.50 | 7.60 | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | | | | | | | | |
| NA | | | | | | | | |
| NH4 | | | | | | | | |
| CA | 10.980 | 0.548 | 5.286 | 0.264 | 11.780 | 0.588 | 16.290 | 0.813 |
| MG | 3.628 | 0.710 | 5.352 | 0.440 | 2.752 | 0.226 | | |
| FE | | | 0.563 | 0.020 | 0.949 | 0.034 | 0.274 | 0.010 |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | 0.043 | 0.005 | 0.028 | 0.003 | 0.099 | 0.011 | 0.050 | 0.006 |
| CL | 83.250 | 2.348 | 86.720 | 2.446 | 101.900 | 2.875 | 55.730 | 2.701 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 34.630 | 0.721 | 46.730 | 0.973 | 14.360 | 0.299 | 7.613 | 0.159 |
| S203 | | | | | | | | |
| HCO3 | 609.800 | 10.322 | 602.100 | 9.868 | 738.900 | 12.111 | 737.700 | 12.091 |
| CO3 | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | 109.010 | 1.815 | 115.934 | 1.930 | 162.092 | 2.699 | 146.321 | 2.436 |
| HB02 | | | | | | | | |
| H3PO4 | 0.383 | 0.004 | 3.186 | 0.033 | | | | |
| HAS02 | | | | | | | | |
| CO2 | 8.800 | 0.200 | 17.110 | 0.389 | 14.300 | 0.325 | 8.800 | 0.200 |
| H2S | | | | | | | | |
| RN (*F-10 CURIE/L) | | 8.460 | | 4.110 | | 2.240 | | 3.990 |
| NA/K | 15.874 | | 14.533 | | 14.759 | | 16.752 | |
| CA/(HCO3+CO3) | 0.053 | | 0.027 | | 0.049 | | 0.067 | |
| MG/CA | 1.296 | | 1.670 | | 0.385 | | | |
| NA/CA | 20.944 | | 44.791 | | 22.948 | | 16.959 | |
| CL/(HCO3+CO3) | 0.228 | | 0.248 | | 0.237 | | 0.223 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 17.537 | | 18.411 | | 18.808 | | 18.064 | |
| S04*100/(CL+S04+HCO3+CO3) | 5.384 | | 7.322 | | 1.956 | | 1.060 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 77.080 | | 74.267 | | 79.236 | | 80.876 | |
| (NA+K)*100/(NA+K+CA+MG) | 90.652 | | 94.718 | | 94.649 | | | |
| CA*100/(NA+K+CA+MG) | 4.072 | | 1.979 | | 3.863 | | | |
| MG*100/(NA+K+CA+MG) | 5.276 | | 3.304 | | 1.488 | | | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 22.920 | | 25.733 | | 20.764 | | 19.124 | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 77.080 | | 74.267 | | 79.236 | | 80.876 | |
| (NA+K)*100/(NA+K+CA+MG) | 90.652 | | 94.718 | | 94.649 | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 9.548 | | 5.282 | | 5.351 | | | |

第28-2表 高島地蔵水質一覽表 (つづき)

| | KRC 9 | KRC 10 | KRC 11 | KRC 12 |
|----------------------------------|---------|----------|----------|---------|
| NO | 46.0 | 55.5 | 52.5 | 58.5 |
| TEMP | 954.800 | 1060.000 | 1072.000 | 918.400 |
| PH(FD) | 7.50 | 7.00 | 7.60 | 7.50 |
| PH(LR) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 34.210 | 41.440 | 37.900 | 38.830 |
| NA | 238.000 | 328.400 | 341.500 | 336.100 |
| NH4 | - | - | - | - |
| CA | 16.640 | 6.707 | 5.350 | 6.071 |
| MG | 1.442 | 4.904 | 4.364 | 0.303 |
| FE | 0.642 | 0.023 | 0.115 | 0.008 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.073 | 0.023 | 0.035 | 0.014 |
| CL | 74.460 | 89.250 | 85.250 | 73.750 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 7.243 | 8.354 | 9.043 | 11.520 |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | 606.100 | 817.600 | 839.000 | 861.500 |
| SI02 (MG/KG)(MMOL/KG) | 148.167 | 126.473 | 114.780 | 134.397 |
| HRO2 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 13.640 | 14.060 | 17.730 | 17.800 |
| H2S | - | - | - | - |
| RN (*F-10 CURIE/L) | 2.660 | 12.970 | 12.540 | 4.930 |
| NA/K | 11.831 | 13.476 | 15.323 | 14.719 |
| CA/(HC03+C03) | 0.084 | 0.025 | 0.019 | 0.021 |
| MG/CA | 0.143 | 1.206 | 1.345 | 1.661 |
| NA/CA | 12.468 | 42.684 | 55.645 | 48.261 |
| CL/(HC03+C03) | 0.211 | 0.188 | 0.175 | 0.147 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 17.238 | 15.646 | 14.714 | 12.655 |
| S04*100/(CL+S04+HC03+C03) | 1.238 | 1.021 | 1.152 | 1.459 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.524 | 83.273 | 84.134 | 85.886 |
| (NA+K)*100/(NA+K+CA+MG) | 92.207 | 95.410 | 96.194 | 95.090 |
| CA*100/(NA+K+CA+MG) | 6.819 | 2.081 | 1.623 | 1.845 |
| MG*100/(NA+K+CA+MG) | 0.974 | 2.509 | 2.183 | 3.065 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 18.476 | 16.727 | 15.866 | 14.114 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.524 | 83.273 | 84.134 | 85.886 |
| (NA+K)*100/(NA+K+CA+MG) | 92.207 | 95.410 | 96.194 | 95.090 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.793 | 4.590 | 3.806 | 4.910 |

第28-2表 高島地獄水質一覽表(つつき)

| | KRC 17 | KRC 18 | KRC 19 | KRC 20 |
|----------------------------------|---------|---------|---------|---------|
| NO | 56.0 | 46.0 | 52.6 | 77.0 |
| TEMP | 521.400 | 423.600 | 449.500 | 682.600 |
| TSM | 3.00 | 3.20 | 2.80 | 6.40 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 0.104 | 0.060 | 0.330 | - |
| K | 20.720 | 19.820 | 4.347 | 3.245 |
| NA | 33.530 | 103.900 | 8.447 | 9.679 |
| NH4 | - | - | - | - |
| CA | 18.070 | 15.290 | 40.720 | 51.640 |
| MG | 7.470 | 7.339 | 4.172 | 6.749 |
| FE | 6.341 | 12.360 | 7.857 | 6.291 |
| MN | 0.390 | 0.399 | 0.412 | 0.401 |
| ZN | - | - | - | 0.015 |
| CU | - | - | - | - |
| PR | - | - | - | - |
| AL | 6.431 | 21.250 | 3.125 | 0.100 |
| CL | 6.836 | 4.219 | 4.921 | 14.420 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 214.565 | 333.826 | 191.510 | 60.330 |
| S203 | - | - | - | - |
| HC03 | - | - | - | 133.900 |
| C03 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 149.860 | 123.396 | 156.706 | 186.094 |
| HS02 | - | - | - | - |
| H3P04 | 0.740 | 0.098 | 0.667 | - |
| HAS02 | - | - | - | 0.007 |
| C02 | 104.700 | 121.500 | 296.500 | 420.900 |
| H2S | 2.223 | 8.936 | 9.695 | 8.252 |
| RN (*F-10 CURIE/L) | 2.240 | 2.490 | 3.130 | 1.030 |
| NA/K | 2.752 | 8.915 | 3.304 | 5.072 |
| CA/(HC03+C03) | - | - | - | 1.174 |
| MG/CA | 0.682 | 0.792 | 0.169 | 0.216 |
| NA/CA | 1.618 | 5.924 | 0.181 | 0.163 |
| CL/(HC03+C03) | - | - | - | 0.185 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | - | - | 10.545 |
| S04*100/(CL+S04+HC03+C03) | - | - | - | 32.562 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 56.893 |
| (NA+K)*100/(NA+K+CA+MG) | 56.736 | 78.621 | 16.772 | 13.862 |
| CA*100/(NA+K+CA+MG) | 25.726 | 11.933 | 71.199 | 70.865 |
| MG*100/(NA+K+CA+MG) | 17.538 | 9.446 | 12.030 | 15.273 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | - | - | 43.107 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | - | - | 56.893 |
| (NA+K)*100/(NA+K+CA+MG) | 56.736 | 78.621 | 16.772 | 13.862 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.264 | 21.379 | 83.228 | 86.138 |

第28-2表 篠島地底水質一覽表 (つづき)

| | KRC 21 | KRC 22 | KRC 23 | KRC 24 |
|----------------------------------|---------|---------|---------|----------|
| NO | 66.3 | 77.0 | 47.3 | 62.8 |
| TEMP | 520.700 | 434.000 | 404.200 | 1302.000 |
| TSM | 6.20 | 6.00 | 6.50 | 6.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 16.260 | 0.416 | 0.299 | 0.134 |
| NA | 38.500 | 1.675 | 0.880 | 0.354 |
| NH4 | - | - | 5.256 | 77.320 |
| CA | 19.570 | 0.977 | 8.136 | 254.300 |
| MG | 7.558 | 0.622 | 23.500 | 72.640 |
| FE | 0.148 | 0.526 | 9.349 | 3.878 |
| MN | 0.437 | 0.005 | 1.940 | 0.319 |
| ZN | - | 0.016 | 0.017 | 1.247 |
| CU | - | 0.103 | 0.004 | 0.008 |
| PB | - | - | - | - |
| AL | 2.498 | 0.278 | - | - |
| CL | 6.928 | 0.195 | 41.790 | 26.040 |
| BR | - | 1.336 | 8.793 | 580.400 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 52.840 | 1.100 | 77.490 | 40.390 |
| S203 | - | - | - | - |
| HC03 | 160.900 | 2.637 | 325.300 | 165.500 |
| C03 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 123.396 | 2.055 | 86.700 | 159.861 |
| HB02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 285.600 | 6.489 | 9.453 | 36.540 |
| H2S | 13.978 | 0.410 | 0.163 | - |
| RN (*E-10 CURTE/L) | 3.570 | 4.430 | 0.600 | 3.850 |
| NA/K | 4.027 | 2.945 | 2.632 | 5.593 |
| CA/(HC03+C03) | 0.370 | 1.320 | 0.220 | 1.336 |
| MG/CA | 0.637 | 0.237 | 0.656 | 0.088 |
| NA/CA | 1.715 | 0.576 | 0.302 | 3.052 |
| CL/(HC03+C03) | 0.074 | 0.033 | 0.047 | 6.036 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 4.970 | 1.094 | 3.448 | 82.167 |
| S04*100/(CL+S04+HC03+C03) | 27.974 | 65.282 | 22.429 | 4.220 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 67.057 | 33.624 | 74.122 | 13.613 |
| (NA+K)*100/(NA+K+CA+MG) | 56.671 | 37.274 | 20.094 | 76.779 |
| CA*100/(NA+K+CA+MG) | 26.471 | 48.347 | 48.250 | 21.342 |
| MG*100/(NA+K+CA+MG) | 16.859 | 14.379 | 31.655 | 1.879 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 32.943 | 66.376 | 25.878 | 86.387 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 67.057 | 33.624 | 74.122 | 13.613 |
| (NA+K)*100/(NA+K+CA+MG) | 56.671 | 37.274 | 20.094 | 76.779 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.329 | 62.726 | 79.906 | 23.221 |

第28-2表 嵯峨地域水質一覧表 (つづき)

| | KRC 25 | KRC 26 | KRC 27 | KRC 28 |
|----------------------------------|---------|----------|---------|----------|
| NO | 60.3 | 70.0 | 41.5 | 46.0 |
| TEMP | 990.300 | 1163.000 | 307.500 | 1113.000 |
| PH(FD) | 6.20 | 7.40 | 5.10 | 6.40 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 35.100 | 97.040 | 12.600 | 8.063 |
| NA | 232.900 | 169.000 | 30.430 | 110.400 |
| NH4 | - | - | - | - |
| CA | 49.390 | 2.801 | 26.290 | 104.400 |
| MG | 3.888 | 13.300 | 4.216 | 54.130 |
| FE | 13.780 | 1.940 | 1.525 | 4.020 |
| MN | 0.041 | 0.001 | 0.011 | 0.301 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 46.030 | 35.300 | 22.390 | 2.490 |
| CL | 632.300 | 474.800 | 7.036 | 127.500 |
| RR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | 1.378 | - | - |
| S04 | 26.350 | 54.120 | 86.980 | 66.730 |
| S203 | - | - | - | - |
| HC03 | 62.510 | 1.025 | 22.510 | 602.100 |
| C03 | - | 13.180 | - | - |
| SI02 (MG/KG) (MMOL/KG) | 136.782 | 151.937 | 62.359 | 189.325 |
| HR02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 0.198 | 0.004 | 192.100 | 396.100 |
| H2S | - | - | 27.419 | 0.805 |
| RN (*E-10 CURIE/L) | 3.610 | 2.230 | 11.640 | 1.080 |
| NA/K | 11.284 | 2.962 | 4.107 | 23.284 |
| CA/(HC03+C03) | 2.406 | 0.044 | 3.556 | 0.528 |
| MG/CA | 0.130 | 7.830 | 0.264 | 0.855 |
| NA/CA | 4.111 | 52.597 | 1.009 | 0.922 |
| CL/(HC03+C03) | 17.410 | 4.208 | 0.538 | 0.364 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 91.892 | 75.656 | 8.346 | 24.213 |
| S04*100/(CL+S04+HC03+C03) | 2.829 | 6.365 | 76.142 | 9.353 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.278 | 17.979 | 15.512 | 66.434 |
| (NA+K)*100/(NA+K+CA+MG) | 79.842 | 88.849 | 49.806 | 34.136 |
| CA*100/(NA+K+CA+MG) | 17.842 | 1.263 | 39.696 | 35.505 |
| MG*100/(NA+K+CA+MG) | 2.316 | 9.888 | 10.498 | 30.358 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 94.722 | 82.021 | 84.488 | 33.566 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.278 | 17.979 | 15.512 | 66.434 |
| (NA+K)*100/(NA+K+CA+MG) | 79.842 | 88.849 | 49.806 | 34.136 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.158 | 11.151 | 50.194 | 65.864 |

第 28-2 表 霧島地域水質一覽表 (つづき)

| NO | KRC 29 | | KRC 30 | | KRC 31 | | KRC 32 | |
|----------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|
| | | | | | | | | |
| TEMP | 55.5 | | 54.0 | | 21.0 | | 47.3 | |
| TSM | 1276.000 | | 1399.000 | | 4025.000 | | 1177.000 | |
| PH(FD) | 7.60 | | 6.60 | | | | 6.40 | |
| PH(LR) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 48.320 | 1.236 | 49.510 | 1.266 | 64.900 | 1.660 | 38.800 | 0.993 |
| NA | 194.000 | 8.439 | 165.400 | 7.195 | 624.100 | 27.148 | 155.900 | 6.782 |
| NH4 | | | | | | | | |
| CA | 43.340 | 2.163 | 128.300 | 6.402 | 382.700 | 19.097 | 158.600 | 7.914 |
| MG | 94.840 | 7.804 | 99.540 | 8.191 | 69.980 | 5.759 | 48.800 | 4.016 |
| FE | 0.510 | 0.018 | 1.960 | 0.070 | 6.087 | 0.218 | 1.815 | 0.065 |
| MN | 0.125 | 0.005 | 0.130 | 0.005 | 0.687 | 0.025 | 0.120 | 0.004 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PR | | | | | | | | |
| AL | 0.560 | 0.062 | 1.080 | 0.120 | 61.760 | 6.867 | 17.900 | 1.990 |
| CL | 164.200 | 4.632 | 164.200 | 4.632 | 628.300 | 17.724 | 122.000 | 3.442 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 52.420 | 1.091 | 71.040 | 1.479 | 792.200 | 16.494 | 101.300 | 2.109 |
| S203 | | | | | | | | |
| HC03 | 866.000 | 14.194 | 1029.000 | 16.865 | 1720.000 | 28.191 | 994.000 | 16.292 |
| CO3 | | | | | | | | |
| ST02 (MG/KG)(MMOL/KG) | 197.710 | 3.292 | 190.479 | 3.171 | 191.402 | 3.187 | 146.782 | 2.444 |
| HB02 | | | | | | | | |
| H3P04 | | | | | | | | |
| HAS02 | | | | | | | | |
| CO2 | 145.200 | 3.299 | 281.600 | 6.398 | 825.600 | 18.758 | 573.300 | 13.025 |
| H2S | | | | | | | | |
| RN (*E-10 CURTE/L) | 0.620 | | 4.400 | | 1.720 | | 2.540 | |
| NA/K | 6.828 | | 5.681 | | 16.353 | | 6.833 | |
| CA/(HC03+CO3) | 0.152 | | 0.380 | | 0.677 | | 0.486 | |
| MG/CA | 3.609 | | 1.279 | | 0.302 | | 0.507 | |
| NA/CA | 3.902 | | 1.124 | | 1.422 | | 0.857 | |
| CL/(HC03+CO3) | 0.326 | | 0.275 | | 0.629 | | 0.211 | |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+CO3) | 23.257 | | 20.160 | | 28.400 | | 15.757 | |
| S04*100/(CL+S04+HC03+CO3) | 5.490 | | 6.437 | | 26.428 | | 9.656 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 71.264 | | 73.403 | | 45.171 | | 74.588 | |
| (NA+K)*100/(NA+K+CA+MG) | 49.257 | | 36.701 | | 53.683 | | 39.455 | |
| CA*100/(NA+K+CA+MG) | 11.010 | | 27.770 | | 35.586 | | 40.165 | |
| MG*100/(NA+K+CA+MG) | 39.733 | | 35.529 | | 10.731 | | 20.380 | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 28.736 | | 26.597 | | 54.829 | | 25.413 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 71.264 | | 73.403 | | 45.171 | | 74.588 | |
| (NA+K)*100/(NA+K+CA+MG) | 49.257 | | 36.701 | | 53.683 | | 39.455 | |
| (CA+MG)*100/(NA+K+CA+MG) | 50.743 | | 63.299 | | 46.317 | | 60.545 | |

第28-2表 霧島地域水質一覽表(つづき)

| | KRC 33 | KRC 34 | KRC 35 | KRC 36 |
|----------------------------------|----------|----------|----------|----------|
| NO | 47.8 | 49.0 | 41.0 | 53.0 |
| TEMP | 1194.000 | 1302.000 | 1086.000 | 1309.000 |
| TSM | 6.30 | 6.40 | 6.30 | 6.70 |
| PH(FD) | - | - | - | - |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/XG) | | | | |
| K | 30.410 | 37.530 | 29.700 | 42.640 |
| NA | 153.500 | 176.400 | 157.600 | 175.300 |
| NH4 | - | - | - | - |
| CA | 134.910 | 155.200 | 162.900 | 97.200 |
| MG | 65.750 | 69.500 | 48.140 | 104.500 |
| FE | 1.500 | 2.513 | 2.150 | 0.260 |
| MN | 0.990 | 0.036 | 0.065 | 0.170 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 18.230 | 11.340 | 9.395 | 0.530 |
| CL | 121.300 | 120.600 | 109.200 | 141.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 92.920 | 120.200 | 119.300 | 80.650 |
| S203 | - | - | - | - |
| HC03 | 1097.000 | 1071.000 | 930.500 | 990.100 |
| CO3 | - | - | - | - |
| ST02 (MG/KG) (MMOL/KG) | 145.244 | 143.244 | 140.243 | 187.709 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 400.600 | 276.600 | 530.200 | 150.900 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | 3.384 | 2.348 | 2.338 | 1.020 |
| NA/K | 8.584 | 7.993 | 9.024 | 6.991 |
| CA/(HC03+CO3) | 0.374 | 0.441 | 0.533 | 0.299 |
| MG/CA | 0.804 | 0.738 | 0.487 | 1.773 |
| NA/CA | 0.992 | 0.991 | 0.843 | 1.572 |
| CL/(HC03+CO3) | 0.190 | 0.194 | 0.202 | 0.246 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 14.663 | 14.503 | 14.799 | 18.249 |
| S04*100/(CL+S04+HC03+CO3) | 8.290 | 10.668 | 11.933 | 7.666 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 77.047 | 74.829 | 73.268 | 74.085 |
| (NA+K)*100/(NA+K+CA+MG) | 38.042 | 39.070 | 38.646 | 39.323 |
| CA*100/(NA+K+CA+MG) | 34.349 | 35.048 | 41.251 | 21.882 |
| MG*100/(NA+K+CA+MG) | 27.609 | 25.882 | 20.103 | 38.795 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 22.953 | 25.171 | 26.732 | 25.915 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 77.047 | 74.829 | 73.268 | 74.085 |
| (NA+K)*100/(NA+K+CA+MG) | 38.042 | 39.070 | 38.646 | 39.323 |
| (CA+MG)*100/(NA+K+CA+MG) | 61.958 | 60.930 | 61.354 | 60.677 |

第28-2表 森島地域水質一覽表(つづき)

| NO | KRC 37 | KRC 38 | KRC 39 | KRC 40 |
|----------------------------------|----------|----------|---------|---------|
| TEMP | 56.0 | 56.0 | 71.5 | 58.8 |
| TSM | 13%6.000 | 1087.000 | 663.200 | 399.200 |
| PH(FD) | 6.20 | 7.60 | 7.80 | 4.80 |
| PH(CLB) | - | - | 7.80 | 5.00 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 58.290 | 48.320 | 7.231 | 12.710 |
| NA | 191.000 | 322.900 | 102.400 | 22.080 |
| NH4 | - | - | - | - |
| CA | 99.800 | 7.500 | 53.150 | 16.710 |
| MG | 107.300 | 3.010 | 7.831 | 6.160 |
| FE | 1.590 | 0.155 | 0.320 | 1.940 |
| MN | 0.200 | - | 1.000 | 0.520 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.280 | 0.260 | 1.850 | 2.112 |
| CL | 161.300 | 92.190 | 2.601 | 11.060 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 134.500 | 4.240 | 41.270 | - |
| S203 | - | - | 5.890 | 125.200 |
| HC03 | 996.900 | 807.800 | 281.900 | - |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 154.783 | 143.782 | 185.401 | 146.629 |
| HB02 | - | - | 22.300 | 3.500 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 313.300 | 26.400 | 0.600 | 79.200 |
| H2S | - | - | - | 4.484 |
| RN (*F-10 CURIE/L) | 2.150 | 8.650 | 1.150 | 1.400 |
| NA/K | 5.572 | 11.364 | 24.082 | 2.954 |
| CA/(HC03+C03) | 0.305 | 0.028 | 0.574 | - |
| MG/CA | 1.773 | 0.662 | 0.243 | 0.608 |
| NA/CA | 1.668 | 37.531 | 1.680 | 1.152 |
| CL/(HC03+C03) | 0.278 | 0.196 | 0.591 | - |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 19.208 | 16.327 | 33.260 | - |
| S04*100/(CL+S04+HC03+C03) | 11.821 | 0.554 | 10.465 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 68.972 | 83.119 | 56.275 | - |
| (NA+K)*100/(NA+K+CA+MG) | 41.507 | 96.089 | 58.460 | 48.950 |
| CA*100/(NA+K+CA+MG) | 21.093 | 2.353 | 33.420 | 31.749 |
| MG*100/(NA+K+CA+MG) | 37.399 | 1.557 | 8.120 | 19.301 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 31.028 | 16.881 | 43.725 | - |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 68.972 | 83.119 | 56.275 | - |
| (NA+K)*100/(NA+K+CA+MG) | 41.507 | 96.089 | 58.460 | 48.950 |
| (CA+MG)*100/(NA+K+CA+MG) | 58.493 | 3.911 | 41.540 | 51.050 |

第28-2表 霧島地域水質一覧表 (つづき)

| | KRC 41 | KRC 42 | KRC 43 | KRC 44 |
|----------------------------------|---------|-----------|---------|---------|
| NO | 57.0 | 39.5 | 66.0 | 59.4 |
| TEMP | 126.400 | 29840.000 | 278.000 | 256.300 |
| TSM | 5.50 | 7.80 | 6.00 | 2.60 |
| PH(FD) | 5.50 | 7.80 | 6.20 | 2.60 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 0.547 | 466.100 | 8.605 | 0.239 |
| NA | 7.474 | 6646.000 | 20.400 | 2.398 |
| NH4 | | 5.863 | | 12.980 |
| CA | 8.880 | 2257.000 | 20.140 | 1.980 |
| MG | 3.410 | 778.100 | 3.539 | 17.140 |
| FE | 0.164 | 9.240 | 0.140 | 4.881 |
| MN | | 12.000 | 0.003 | 1.940 |
| ZN | | | | 0.060 |
| CU | | | | |
| PB | | | | |
| AL | 0.150 | 1.480 | 6.667 | 7.021 |
| CL | 12.060 | 15480.000 | 10.460 | 7.375 |
| BR | | 307.700 | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 34.080 | 1724.000 | 67.820 | 144.671 |
| S203 | | | | 0.897 |
| HC03 | 3.172 | 112.600 | 88.050 | 3.012 |
| CO3 | | | | 0.016 |
| ST02 (MG/KG)(MMOL/KG) | 36.880 | 26.895 | 118.011 | 41.004 |
| HB02 | | | | 2.500 |
| H3P04 | | | | |
| HAS02 | | | | |
| CO2 | 102.000 | | 63.800 | |
| H2S | 20.240 | | 12.270 | |
| RN (*F=10 CURTLY) | 4.860 | 4.400 | 20.130 | 7.320 |
| NA/K | 21.652 | 24.248 | 4.032 | 8.921 |
| CA/(HC03+CO3) | 8.823 | 61.026 | 0.696 | |
| MG/CA | 0.633 | 0.569 | 0.290 | 0.412 |
| NA/CA | 0.734 | 2.567 | 0.883 | 0.640 |
| CL/(HC03+CO3) | 6.544 | 236.623 | 0.204 | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 30.879 | 92.045 | 9.367 | |
| S04*100/(CL+S04+HC03+CO3) | 64.402 | 7.566 | 44.823 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 4.719 | 0.389 | 45.811 | |
| (NA+K)*100/(NA+K+CA+MG) | 31.972 | 63.018 | 46.075 | 33.509 |
| CA*100/(NA+K+CA+MG) | 41.652 | 23.577 | 41.810 | 47.094 |
| MG*100/(NA+K+CA+MG) | 26.377 | 13.404 | 12.116 | 19.397 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 95.281 | 99.611 | 54.189 | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 4.719 | 0.389 | 45.811 | |
| (NA+K)*100/(NA+K+CA+MG) | 31.972 | 63.018 | 46.075 | 33.509 |
| (CA+MG)*100/(NA+K+CA+MG) | 68.028 | 36.982 | 53.925 | 66.491 |

第28-2表 霧島地域水質一覧表 (つづき)

| | KRC 45 | KRC 46 | KRC 47 | KRC 48 |
|----------------------------------|----------|---------|---------|---------|
| NO | 76.0 | 70.0 | 67.0 | 47.2 |
| TEMP | 3024.000 | 613.800 | 497.200 | 153.000 |
| TSM | 1.90 | 6.80 | 7.40 | 7.70 |
| PH(FD) | 1.90 | 6.80 | 7.40 | 7.70 |
| PH(LB) | 1.90 | 6.80 | 7.40 | 7.70 |
| H (MG/KG)(MVAL/KG) | 10.850 | 18.690 | 19.050 | 2.832 |
| K | 5.820 | 122.200 | 117.200 | 21.430 |
| NA | 24.050 | 1.046 | 4.486 | 1.371 |
| NH4 | 195.500 | 16.220 | 0.899 | 0.249 |
| CA | 67.010 | 31.710 | 1.582 | 0.127 |
| MG | 27.260 | 4.281 | 2.545 | 1.443 |
| FE | 48.160 | 0.260 | 1.471 | 0.121 |
| MN | 1.650 | 0.060 | 0.561 | 0.254 |
| ZN | - | - | - | 0.341 |
| CU | - | - | - | 0.020 |
| PB | - | - | - | - |
| AL | 62.580 | 1.904 | 0.550 | - |
| CL | 5.673 | 76.940 | 6.028 | 0.150 |
| BR | - | - | - | 0.170 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 2290.142 | 20.900 | 2.800 | 0.058 |
| S203 | - | 0.897 | - | - |
| HCO3 | - | 378.100 | 360.300 | 5.103 |
| CO3 | - | - | - | 50.650 |
| SI02 (MG/KG)(MMOL/KG) | 358.263 | 131.627 | 101.855 | 70.006 |
| HBO2 | 97.680 | 34.960 | 15.400 | 4.162 |
| H3PO4 | - | 1.329 | 3.799 | 0.039 |
| HASO2 | - | - | 0.521 | 0.005 |
| CO2 | - | 11.880 | 12.540 | 0.285 |
| H2S | 0.765 | - | - | 3.174 |
| RN (*F-10 CURIE/L) | 0.920 | 4.650 | 2.380 | 5.850 |
| NA/K | 7.927 | 11.119 | 10.462 | 12.868 |
| CA/(HCO3+CO3) | - | 0.255 | 0.022 | 0.087 |
| MG/CA | 0.671 | 0.223 | 0.953 | 0.290 |
| NA/CA | 0.313 | 3.359 | 40.145 | 12.946 |
| CL/(HCO3+CO3) | - | 0.350 | 0.029 | 0.352 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | - | 24.657 | 2.772 | 23.769 |
| S04*100/(CL+S04+HCO3+CO3) | - | 4.943 | 0.950 | 8.649 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 70.400 | 96.277 | 67.582 |
| (NA+K)*100/(NA+K+CA+MG) | 17.621 | 74.967 | 95.748 | 91.535 |
| CA*100/(NA+K+CA+MG) | 49.303 | 20.474 | 2.177 | 6.561 |
| MG*100/(NA+K+CA+MG) | 33.076 | 4.558 | 2.075 | 1.904 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | - | 29.600 | 3.723 | 32.418 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | - | 70.400 | 96.277 | 67.582 |
| (NA+K)*100/(NA+K+CA+MG) | 17.621 | 74.967 | 95.748 | 91.535 |
| (CA+MG)*100/(NA+K+CA+MG) | 82.379 | 25.033 | 4.252 | 8.465 |

第28-2表 霧島地蔵水質一覧表(つづき)

| | KRC 49 | KRC 50 | KRC 51 | KRC 52 |
|----------------------------------|---------|---------|---------|---------|
| NO | 42.0 | 69.0 | 60.0 | 47.0 |
| TEMP | 376.400 | 741.200 | 880.000 | 105.200 |
| TSM | 7.00 | 7.20 | 6.60 | 7.40 |
| PH(FD) | 7.00 | 7.20 | 6.80 | 7.40 |
| PH(LB) | 7.00 | 7.20 | 6.80 | 7.40 |
| H (MG/KG) (M/L/KG) | | | | |
| K | 13.450 | 0.344 | 0.568 | 0.079 |
| NA | 71.100 | 3.093 | 7.352 | 9.393 |
| NH4 | 6.422 | 0.356 | 155.100 | 0.409 |
| CA | 0.902 | 0.045 | 19.800 | 0.570 |
| MG | 0.692 | 0.050 | 78.570 | 0.040 |
| FE | 2.860 | 0.102 | 28.350 | 0.002 |
| MN | - | - | 7.440 | 0.042 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.220 | 0.136 | 2.153 | 2.825 |
| CL | 18.150 | 0.512 | 123.600 | 4.716 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 1.480 | 0.031 | 4.197 | 0.280 |
| S2O3 | - | - | 1.458 | - |
| HC03 | 187.000 | 3.065 | 715.100 | 61.750 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | | | | |
| H2O2 | 122.549 | 2.040 | 180.247 | 3.001 |
| H3PO4 | 15.810 | 0.361 | 34.960 | 0.798 |
| HAS02 | 26.924 | 0.275 | 0.110 | 0.001 |
| C02 | 0.651 | 0.006 | - | - |
| H2S | 28.160 | 0.640 | 29.340 | 0.667 |
| RN (*E-10 CURIE/L) | 1.610 | 4.620 | 3.780 | 9.250 |
| NA/K | 8.990 | 12.934 | 9.416 | 5.146 |
| CA/(HC03+C03) | 0.015 | 0.031 | 0.335 | 0.564 |
| MG/CA | 1.112 | 2.176 | 0.595 | 0.069 |
| NA/CA | 68.715 | 27.137 | 1.721 | 0.716 |
| CL/(HC03+C03) | 0.167 | 0.079 | 0.297 | 0.131 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 14.192 | 7.202 | 22.797 | 9.335 |
| S04*100/(CL+S04+HC03+C03) | 0.854 | 1.644 | 0.571 | 19.649 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.954 | 91.155 | 76.631 | 71.016 |
| (NA+K)*100/(NA+K+CA+MG) | 97.309 | 90.200 | 54.410 | 44.447 |
| CA*100/(NA+K+CA+MG) | 1.274 | 3.085 | 25.583 | 51.948 |
| MG*100/(NA+K+CA+MG) | 1.417 | 6.715 | 17.008 | 3.605 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 15.046 | 8.845 | 23.369 | 28.984 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.954 | 91.155 | 76.631 | 71.016 |
| (NA+K)*100/(NA+K+CA+MG) | 97.309 | 90.200 | 54.410 | 44.447 |
| (CA+MG)*100/(NA+K+CA+MG) | 2.691 | 9.800 | 45.590 | 55.553 |

第28-2表 霧島地域水質一覽表(つづき)

| | KRC 53 | KRC 54 | KRC 55 | KRC 56 |
|----------------------------------|---------|---------|---------|----------|
| NO | | | | |
| TEMP | 49.0 | 49.0 | 75.0 | 43.1 |
| TSM | 681.000 | 503.600 | 102.000 | 1208.600 |
| PH(FD) | 7.40 | 6.80 | 3.80 | 7.20 |
| PH(LR) | 7.40 | 6.80 | 3.00 | 7.20 |
| H (MG/KG)(MVAL/KG) | | | 0.061 | |
| K | 9.876 | 12.560 | 0.321 | 33.660 |
| NA | 104.400 | 67.240 | 2.925 | 385.900 |
| NH4 | | | | |
| CA | 3.857 | 4.572 | 0.228 | 21.420 |
| MG | 10.530 | 1.878 | 0.155 | 15.970 |
| FE | 0.060 | 0.052 | 0.002 | 0.756 |
| MN | | | | 0.241 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 9.796 | 3.992 | 0.443 | 0.245 |
| CL | 8.723 | 6.950 | 0.196 | 74.770 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 46.020 | 33.740 | 0.702 | 5.967 |
| S2O3 | | | | |
| HCO3 | 350.200 | 193.600 | 3.173 | 1090.000 |
| CO3 | | | | |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HR02 | 129.165 | 147.783 | 2.461 | 114.703 |
| H3PO4 | | | | |
| HAS02 | 0.096 | 0.096 | 0.001 | |
| CO2 | | 83.600 | 1.899 | 114.900 |
| H2S | | | | |
| RN (*F-10 CURTE/L) | 5.750 | 2.720 | 22.400 | 4.720 |
| NA/K | 17.977 | 9.104 | | 19.496 |
| CA/(HCO3+CO3) | 0.034 | 0.072 | | 0.060 |
| MG/CA | 4.502 | 0.677 | 0.462 | 1.230 |
| NA/CA | 23.596 | 12.821 | 0.465 | 15.705 |
| CL/(HCO3+CO3) | 0.043 | 0.062 | | 0.118 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 3.544 | 4.815 | | 10.495 |
| S04*100/(CL+S04+HCO3+CO3) | 13.798 | 17.253 | | 0.618 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 82.658 | 77.932 | | 88.887 |
| (NA+K)*100/(NA+K+CA+MG) | 31.907 | 89.455 | | 88.103 |
| CA*100/(NA+K+CA+MG) | 3.298 | 6.287 | | 5.336 |
| MG*100/(NA+K+CA+MG) | 14.805 | 4.259 | | 6.561 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 17.342 | 22.068 | | 11.113 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 82.658 | 77.932 | | 88.887 |
| (NA+K)*100/(NA+K+CA+MG) | 31.907 | 89.455 | | 88.103 |
| (CA+MG)*100/(NA+K+CA+MG) | 18.093 | 10.545 | | 11.897 |

第28-2表 霧島地域水質一覧表 (つづき)

| | KRC 57 | KRC 58 | KRC 59 | KRC 60 |
|----------------------------------|----------|---------|----------|----------|
| NO | 96.0 | 73.3 | 37.0 | 44.8 |
| TEMP | 1228.000 | 201.200 | 1234.000 | 1128.000 |
| TSM | 8.60 | 5.60 | 6.50 | 6.50 |
| PH(FD) | 8.60 | 5.60 | 6.70 | 6.28 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 19.180 | 2.046 | 33.120 | 44.840 |
| NA | 143.100 | 7.681 | 170.300 | 168.800 |
| NH4 | 13.530 | 1.624 | 1.080 | 0.902 |
| CA | 230.500 | 28.570 | 126.900 | 127.200 |
| MG | 6.031 | 3.364 | 90.170 | 80.240 |
| FE | 0.101 | 0.950 | 1.820 | 3.329 |
| MN | | | 3.000 | 0.159 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 2.950 | 3.720 | 1.220 | 0.090 |
| CL | 450.300 | 6.045 | 146.700 | 142.500 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 16.000 | | | |
| S04 | 90.180 | | | |
| S203 | 8.073 | | | |
| HC03 | 45.030 | | | |
| C03 | 42.430 | | | |
| SI02 (MG/KG) (MMOL/KG) | 103.839 | 0.506 | 140.013 | 166.015 |
| HB02 | 40.020 | | | |
| H3P04 | 0.225 | | | |
| HAS02 | | | | |
| C02 | | | | |
| H2S | 18.704 | 0.299 | 0.317 | 0.063 |
| RN (*E-10 CURTE/L) | 2.590 | 0.300 | 1.020 | 1.140 |
| NA/K | 12.688 | 6.384 | 8.744 | 6.402 |
| CA/(HC03+C03) | 5.344 | 0.993 | 0.398 | 0.384 |
| MG/CA | 0.043 | 0.194 | 1.172 | 1.040 |
| NA/CA | 0.541 | 0.234 | 1.170 | 1.157 |
| CL/(HC03+C03) | 5.902 | 0.119 | 0.260 | 0.243 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 75.917 | 4.962 | 18.758 | 18.670 |
| S04*100/(CL+S04+HC03+C03) | 11.221 | 53.251 | 9.165 | 4.525 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.862 | 41.787 | 72.077 | 76.805 |
| (NA+K)*100/(NA+K+CA+MG) | 35.885 | 18.500 | 37.511 | 39.598 |
| CA*100/(NA+K+CA+MG) | 61.463 | 68.248 | 28.773 | 29.605 |
| MG*100/(NA+K+CA+MG) | 2.652 | 13.252 | 33.716 | 30.797 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 87.138 | 58.213 | 27.923 | 23.195 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 12.862 | 41.787 | 72.077 | 76.805 |
| (NA+K)*100/(NA+K+CA+MG) | 35.885 | 18.500 | 37.511 | 39.598 |
| (CA+MG)*100/(NA+K+CA+MG) | 64.115 | 81.500 | 62.489 | 60.402 |

第28-2表 高島地域水質一覽表(つづき)

| | KRC 61 | KPC 62 | KRC 63 | KRC 64 |
|----------------------------------|----------|---------|---------|---------|
| NO | 54.0 | 44.5 | 39.2 | 65.0 |
| TEMP | 1021.800 | 890.400 | 774.600 | 347.600 |
| TSM | 7.80 | 7.80 | 7.80 | 7.80 |
| PH(FD) | 7.62 | 7.68 | 7.50 | 6.90 |
| PH(CLB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 42.150 | 35.270 | 32.050 | 10.580 |
| NA | 314.400 | 281.700 | 258.600 | 20.140 |
| NH4 | | | | 7.559 |
| CA | 2.405 | 4.028 | 4.170 | 30.740 |
| MG | 1.296 | 1.391 | 3.466 | 9.830 |
| FE | 0.139 | 0.189 | 0.007 | 1.450 |
| MN | 0.099 | 0.103 | 0.115 | 0.630 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.095 | 0.084 | 0.055 | 0.040 |
| CL | 26.690 | 82.540 | 67.010 | 23.760 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | 0.010 | 0.010 | 0.010 | 41.150 |
| S04 | 11.110 | 8.228 | 8.103 | 150.100 |
| S203 | | | | 0.129 |
| HC03 | 744.460 | 660.200 | 635.800 | 115.664 |
| C03 | 2.736 | 2.445 | 2.127 | 30.137 |
| SI02 (MG/KG) (MMOL/KG) | 133.658 | 112.167 | 112.480 | 1.926 |
| HR02 | | | | 0.688 |
| H3PO4 | | | | |
| HAS02 | | | | |
| C02 | 78.370 | | 22.090 | 14.170 |
| H2S | | 25.660 | | |
| PH (*F-10 C/RT/L) | 19.400 | 4.800 | 3.220 | 2.400 |
| NA/K | 12.655 | 13.582 | 13.721 | 3.237 |
| CA/(HC03+C03) | 0.010 | 0.018 | 0.020 | 0.622 |
| MG/CA | 0.889 | 0.533 | 1.371 | 0.527 |
| NA/GA | 113.961 | 60.966 | 54.061 | 0.571 |
| CL/(HC03+C03) | 0.199 | 0.214 | 0.180 | 0.272 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 16.338 | 17.374 | 15.062 | 16.793 |
| S04*100/(CL+S04+HC03+C03) | 1.545 | 1.278 | 1.344 | 21.464 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 82.117 | 81.348 | 83.594 | 61.743 |
| (NA+K)*100/(NA+K+CA+MG) | 98.487 | 97.712 | 96.073 | 32.862 |
| CA*100/(NA+K+CA+MG) | 0.801 | 1.493 | 1.656 | 43.958 |
| MG*100/(NA+K+CA+MG) | 0.712 | 0.795 | 2.270 | 23.181 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 17.833 | 18.652 | 16.406 | 36.257 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 82.117 | 81.348 | 83.594 | 61.743 |
| (NA+K)*100/(NA+K+CA+MG) | 98.487 | 97.712 | 96.073 | 32.862 |
| (CA+MG)*100/(NA+K+CA+MG) | 1.513 | 2.288 | 3.927 | 67.138 |

第28-2表 霧島地域水質一覽表 (つづき)

| | KRC 65 | KRC 66 | KRC 67 | KRC 68 |
|----------------------------------|----------|---------|---------|---------|
| NO | 68.0 | 71.5 | 57.0 | 83.5 |
| TEMP | 1028.000 | 865.400 | 540.000 | 403.600 |
| TSM | 6.61 | 4.80 | 2.10 | 7.40 |
| PH(FD) | 6.10 | 4.80 | 3.10 | 7.40 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | 0.016 | 1.008 | — |
| K | 26.180 | 11.290 | 8.318 | 17.630 |
| NA | 304.700 | 8.904 | 40.010 | 0.213 |
| NH4 | 4.402 | 26.150 | 1.138 | 1.740 |
| CA | 52.890 | 0.244 | 3.969 | 45.410 |
| MG | 11.190 | 78.330 | 20.570 | 13.880 |
| FF | 0.130 | 22.770 | 1.874 | 62.820 |
| MN | 2.440 | 19.700 | 1.367 | 3.056 |
| ZN | — | 1.830 | 4.701 | 0.251 |
| CU | — | — | — | 0.001 |
| PR | — | — | — | — |
| AL | 0.043 | 1.750 | 15.250 | — |
| CL | 381.200 | 10.100 | 49.840 | 7.596 |
| BR | — | — | — | 28.480 |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 62.530 | 415.431 | 110.311 | 0.002 |
| S203 | — | 0.286 | 1.413 | 216.900 |
| HC03 | 80.420 | — | 211.800 | 5.674 |
| C03 | — | — | — | 116.500 |
| SI02 (MG/KG) (MMOL/KG) | 152.629 | 227.405 | 162.476 | 0.054 |
| HB02 | 110.457 | 73.760 | — | 109.711 |
| H3P04 | — | — | — | — |
| HAS02 | — | — | — | — |
| C02 | 77.280 | — | — | 2.097 |
| H2S | — | — | — | — |
| RI (*E-10 CURIE/L) | 5.950 | 1.320 | 16.160 | — |
| NA/K | 13.296 | 3.939 | 8.180 | 4.360 |
| CA/(HC03+C03) | 2.002 | — | 0.296 | 1.640 |
| MG/CA | 0.349 | 0.473 | 0.110 | 0.080 |
| NA/CA | 3.374 | 0.287 | 1.696 | 0.630 |
| CL/(HC03+C03) | 8.159 | — | 0.405 | 0.420 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+C03) | 80.409 | — | 19.598 | 11.112 |
| S04*100/(CL+S04+HC03+C03) | 9.735 | — | 32.014 | 62.456 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.856 | — | 48.388 | 26.433 |
| (NA+K)*100/(NA+K+CA+MG) | 72.895 | 19.650 | 63.167 | 41.743 |
| CA*100/(NA+K+CA+MG) | 20.094 | 54.536 | 33.195 | 53.951 |
| MG*100/(NA+K+CA+MG) | 7.011 | 25.814 | 3.638 | 4.327 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 90.144 | — | 51.612 | 73.567 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 9.856 | — | 48.388 | 26.433 |
| (NA+K)*100/(NA+K+CA+MG) | 72.895 | 19.650 | 63.167 | 41.743 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.105 | 80.350 | 36.835 | 58.257 |

第28-2表 森島地底水質一覽表(つづき)

| | KRC 73 | KRC 74 | KRC 75 | KRC 76 |
|----------------------------------|----------|---------|---------|---------|
| NO | 52.5 | 55.0 | 70.0 | 60.5 |
| TEMP | 1311.000 | 435.900 | 165.000 | 279.100 |
| TSM | 6.60 | 4.00 | 6.20 | 4.10 |
| PH(FD) | 6.80 | 3.45 | 7.10 | 4.10 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | 42.320 | 0.363 | 0.360 | 0.080 |
| K | 135.000 | 9.065 | 0.232 | 6.737 |
| NA | 0.350 | 56.340 | 2.451 | 0.172 |
| NH4 | 150.300 | 3.319 | 0.184 | 5.664 |
| CA | 79.030 | 7.500 | 0.749 | 3.200 |
| MG | 6.400 | 15.000 | 0.802 | 13.570 |
| FE | 0.229 | 5.570 | 0.261 | 0.677 |
| MN | 0.300 | 0.880 | 0.032 | 3.124 |
| ZN | - | 0.090 | 0.003 | 0.080 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 14.840 | 2.420 | 0.269 | 3.008 |
| CL | 163.800 | 44.320 | 1.250 | 3.560 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 50.050 | 171.216 | 3.565 | 107.879 |
| S203 | 1006.000 | - | - | 1.422 |
| HCO3 | 0.408 | - | 59.520 | 0.976 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 205.276 | 111.318 | 1.853 | 60.744 |
| HB02 | - | - | 42.704 | - |
| H3P04 | 0.176 | - | - | - |
| HAS02 | 0.054 | - | - | - |
| C02 | 3*3.200 | - | 99.240 | 271.800 |
| H2S | - | 4.475 | 4.352 | 6.175 |
| RN (*E-10 CURIE/L) | 3.780 | 1.260 | 6.800 | 10.670 |
| NA/K | 5.425 | 10.569 | 5.272 | 1.430 |
| CA/(HCO3+C03) | 0.454 | - | 0.823 | 29.054 |
| MG/CA | 0.867 | 0.612 | 0.325 | 0.380 |
| NA/CA | 0.783 | 3.274 | 0.296 | 0.364 |
| CL/(HCO3+C03) | 0.280 | - | 0.115 | 4.309 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | 20.268 | - | 5.626 | 4.238 |
| S04*100/(CL+S04+HCO3+C03) | 7.350 | - | 35.675 | 94.779 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 72.382 | - | 57.700 | 0.983 |
| (NA+K)*100/(NA+K+CA+MG) | 33.185 | 68.972 | 21.027 | 30.949 |
| CA*100/(NA+K+CA+MG) | 35.785 | 19.244 | 59.612 | 50.050 |
| MG*100/(NA+K+CA+MG) | 31.030 | 11.784 | 19.362 | 19.001 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 27.618 | - | 42.300 | 99.017 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 72.382 | - | 57.700 | 0.983 |
| (NA+K)*100/(NA+K+CA+MG) | 33.185 | 68.972 | 21.027 | 30.949 |
| (CA+MG)*100/(NA+K+CA+MG) | 66.815 | 31.028 | 78.973 | 69.051 |

第28-2表 霧島地域水質一覧表(つづき)

| | KRC 77 | KRC 78 | KRC 79 | KRC 80 |
|----------------------------------|---------|----------|---------|---------|
| NO | 66.0 | 97.5 | 48.5 | 54.8 |
| TEMP | 447.600 | 1608.500 | 250.300 | 169.000 |
| TSM | 3.00 | 8.40 | 6.80 | 7.60 |
| PH(FD) | 3.00 | 8.40 | 6.80 | 7.80 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | 1.00% | | | |
| K | 11.360 | 26.030 | 6.349 | 4.832 |
| NA | 27.370 | 408.200 | 17.900 | 20.860 |
| NH4 | 2.800 | 41.220 | 1.000 | 0.779 |
| CA | 2.571 | 66.180 | 3.302 | 0.055 |
| MG | 4.238 | 2.622 | 96.460 | 4.813 |
| FE | 2.183 | 0.110 | 7.995 | 1.858 |
| MN | | 0.120 | 0.500 | 0.481 |
| ZN | | | 0.150 | 0.026 |
| CU | | | | 0.018 |
| PR | | | | 0.005 |
| AL | 4.676 | | | |
| CL | 12.410 | 719.100 | 14.180 | 3.503 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 167.423 | 27.980 | 51.310 | 1.068 |
| S203 | | | | |
| HCO3 | 0.037 | 166.500 | 300.600 | 4.927 |
| CO3 | | 2.916 | 0.120 | 0.004 |
| SI02 (MG/KG)(MMOL/KG) | | | | |
| HBO2 | 139.628 | 190.704 | 68.927 | 1.148 |
| H3PO4 | | 142.598 | | |
| HASO2 | | | 0.363 | |
| CO2 | 92.400 | 4.391 | | |
| H2S | | 1.839 | 114.500 | 2.601 |
| RN (*E-10 CURIE/L) | 4.970 | 3.200 | 5.440 | 11.000 |
| NA/K | 4.097 | 26.668 | 4.794 | 7.341 |
| CA/(HCO3+C03) | 211.554 | 1.169 | 0.976 | 0.097 |
| MG/CA | 2.718 | 0.065 | 0.137 | 0.427 |
| NA/CA | 9.280 | 5.377 | 0.162 | 9.787 |
| CL/(HCO3+C03) | 577.290 | 7.178 | 0.081 | 0.104 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+C03) | 9.125 | 85.614 | 6.251 | 7.216 |
| S04*100/(CL+S04+HCO3+C03) | 90.859 | 2.059 | 16.694 | 23.156 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.016 | 11.927 | 77.055 | 69.628 |
| (NA+K)*100/(NA+K+CA+MG) | 75.639 | 83.865 | 14.676 | 88.628 |
| CA*100/(NA+K+CA+MG) | 6.552 | 15.051 | 75.064 | 7.970 |
| MG*100/(NA+K+CA+MG) | 17.809 | 0.983 | 10.260 | 3.402 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | 99.984 | 88.073 | 22.945 | 30.372 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | 0.016 | 11.927 | 77.055 | 69.628 |
| (NA+K)*100/(NA+K+CA+MG) | 75.639 | 83.865 | 14.676 | 88.628 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.361 | 16.035 | 85.324 | 11.372 |

第28-2表 霧島地域水質一覽表(つづき)

| | KRC 85 | KRC 86 | KRC 87 | KRC 88 |
|----------------------------------|----------|---------|---------|---------|
| NO | 72.2 | 78.0 | 47.0 | 79.3 |
| TEMP | 1102.000 | 468.700 | 210.800 | 477.500 |
| TSM | 2.20 | 6.75 | 3.65 | 7.05 |
| PH(FD) | 2.25 | 6.50 | 3.65 | 7.50 |
| PH(CL,B) | | | | |
| H (MG/KG)(MVAL/KG) | 5.550 | 5.605 | 0.225 | 0.223 |
| K | 9.050 | 0.231 | 2.447 | 0.063 |
| NA | 20.610 | 0.897 | 7.531 | 31.510 |
| NH4 | 11.900 | 0.660 | 3.428 | 13.730 |
| CA | 29.070 | 1.451 | 11.220 | 27.160 |
| MG | 11.030 | 0.908 | 2.819 | 6.048 |
| FE | 20.288 | 0.727 | 1.119 | 1.850 |
| MN | - | - | 0.142 | 0.250 |
| ZN | - | - | - | - |
| CU | 0.060 | 0.002 | - | - |
| PB | - | - | - | - |
| AL | 25.010 | 2.781 | 0.100 | 0.739 |
| CL | 13.100 | 0.370 | 0.367 | 8.877 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 701.840 | 14.612 | 78.354 | 170.700 |
| S203 | - | - | - | - |
| HC03 | - | - | - | - |
| C03 | - | 1.080 | - | 30.163 |
| SI02 (MG/KG)(MMOL/KG) | 134.858 | 2.245 | 62.506 | 169.529 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | - | - | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | 2.850 | 18.900 | 18.200 | 4.800 |
| NA/K | 3.873 | 6.964 | 5.234 | 7.478 |
| CA/(HC03+C03) | - | 0.905 | - | 2.741 |
| MG/CA | 0.677 | 0.233 | 0.414 | 0.367 |
| NA/CA | 0.613 | 0.862 | 0.585 | 1.011 |
| CL/(HC03+C03) | - | 0.261 | - | 0.507 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | - | 12.084 | - | 5.825 |
| S04*100/(CL+S04+HC03+C03) | - | 41.559 | - | 82.674 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 46.357 | - | 11.500 |
| (NA+K)*100/(NA+K+CA+MG) | 32.356 | 44.450 | 33.010 | 45.612 |
| CA*100/(NA+K+CA+MG) | 41.609 | 45.065 | 47.365 | 39.780 |
| MG*100/(NA+K+CA+MG) | 26.035 | 10.485 | 19.625 | 14.608 |
| (CL+S04)*100/(CL+S04+HC03+C03) | - | 53.643 | - | 88.500 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | - | 46.357 | - | 11.500 |
| (NA+K)*100/(NA+K+CA+MG) | 32.356 | 44.450 | 33.010 | 45.612 |
| (CA+MG)*100/(NA+K+CA+MG) | 67.644 | 55.550 | 66.990 | 54.388 |

第28-2表 霧島地域域水質一覽表 (つづき)

| | KRC 89 | KRC 90 | KRC 91 | KRC 92 |
|----------------------------------|---------|---------|---------|----------|
| NO | 37.1 | 55.2 | 63.0 | 53.5 |
| TEMP | 774.700 | 127.600 | 873.000 | 1343.600 |
| TSM | 8.20 | 4.65 | 2.75 | 6.65 |
| PH(FD) | 7.60 | 3.70 | 2.70 | 6.65 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 3.858 | 0.027 | 2.016 | 2.000 |
| NA | 149.300 | 1.626 | 10.410 | 0.266 |
| NH4 | 5.056 | 0.343 | 36.280 | 1.578 |
| CA | 54.650 | 2.195 | 9.525 | 0.528 |
| MG | 29.040 | 2.727 | 49.030 | 2.467 |
| FE | 0.238 | 2.044 | 12.240 | 1.007 |
| MN | 0.651 | 0.508 | 27.170 | 0.973 |
| ZN | | 0.120 | 0.215 | 3.999 |
| CU | | | | |
| PB | | | | |
| AL | 0.341 | | 0.194 | |
| | | 0.297 | | |
| CL | | 0.038 | | |
| BR | 43.450 | 1.226 | 8.540 | 0.950 |
| I | | 8.488 | 9.928 | 0.280 |
| F | | | | |
| OH | 0.027 | | | |
| S04 | 17.660 | | | |
| S203 | | 39.907 | 520.017 | 10.827 |
| HC03 | 642.500 | | 0.303 | 0.005 |
| C03 | 2.997 | 0.738 | | |
| SI02 (MG/KG) (MMOL/KG) | 105.484 | 0.769 | 110.010 | 1.832 |
| HR02 | | 46.173 | | 198.249 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 9.731 | 47.880 | | 0.086 |
| H2S | | 5.713 | | 652.200 |
| RN (*F-10 CURIE/L) | 3.130 | 51.940 | 4.500 | 0.550 |
| NA/K | 65.809 | 8.247 | 5.927 | 6.499 |
| CA/(HC03+C03) | 0.257 | 26.105 | | 0.383 |
| MG/CA | 0.876 | 0.533 | 0.412 | 1.001 |
| NA/CA | 2.382 | 1.086 | 0.645 | 1.189 |
| CL/(HC03+C03) | 0.115 | 19.796 | | 0.255 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 10.027 | 22.122 | | 19.334 |
| S04*100/(CL+S04+HC03+C03) | 3.008 | 76.761 | | 4.761 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.965 | 1.117 | | 75.905 |
| (NA+K)*100/(NA+K+CA+MG) | 56.304 | 44.279 | 34.812 | 40.673 |
| CA*100/(NA+K+CA+MG) | 23.283 | 36.355 | 46.177 | 29.653 |
| MG*100/(NA+K+CA+MG) | 20.407 | 19.366 | 19.010 | 29.674 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 13.035 | 98.883 | | 24.095 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.965 | 1.117 | | 75.905 |
| (NA+K)*100/(NA+K+CA+MG) | 56.304 | 44.279 | 34.812 | 40.673 |
| (CA+MG)*100/(NA+K+CA+MG) | 43.696 | 55.721 | 65.188 | 59.327 |

第28-2表 篠島地域水質一覧表(つづき)

| NO | KRC 97 | | KRC 98 | | KRC 99 | | KRC100 | |
|----------------------------------|---------|---------|----------|--------|---------|---------|---------|---------|
| | 98.0 | 98.5 | 2660.000 | 98.5 | 62.2 | 313.400 | 49.0 | 103.900 |
| TEMP | 735.100 | 7.65 | 7.70 | 7.40 | 3.45 | 3.95 | | |
| TSP | 8.80 | | | | | | | |
| PH(CFD) | | | | | | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 26.010 | 0.665 | 104.100 | 2.663 | 10.820 | 0.277 | 0.363 | 0.360 |
| NA | 152.000 | 6.612 | 680.800 | 29.615 | 57.950 | 2.521 | 0.899 | 0.023 |
| NH4 | 0.968 | 0.094 | 4.868 | 0.270 | 9.623 | 0.534 | 5.786 | 0.252 |
| CA | 15.720 | 0.784 | 98.590 | 4.920 | 28.260 | 1.410 | 0.257 | 0.014 |
| MG | 2.010 | 0.165 | 3.058 | 0.252 | 8.575 | 0.706 | 7.443 | 0.371 |
| FE | 0.056 | 0.002 | 1.679 | 0.060 | 1.962 | 0.070 | 1.619 | 0.133 |
| MN | | | TR. | | 0.284 | 0.010 | TR. | 0.047 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.015 | 0.002 | 0.075 | 0.008 | 0.042 | 0.005 | 0.300 | 0.033 |
| CL | 153.600 | 4.333 | 1307.000 | 36.870 | 2.698 | 0.076 | 4.659 | 0.131 |
| BR | | | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | 0.107 | 0.006 | | | | | | |
| S04 | 56.970 | 1.186 | 39.080 | 0.814 | 45.650 | 0.950 | 44.168 | 0.920 |
| S203 | | | | | 26.520 | 0.473 | 1.738 | 0.031 |
| HC03 | 138.000 | 2.262 | 10.980 | 0.180 | 235.300 | 3.857 | 0.037 | 0.001 |
| C03 | 6.631 | 0.221 | | | | | | |
| SI02 (MG/KG)(MMOL/KG) | 143.607 | 2.391 | 317.490 | 5.286 | 18.825 | 0.313 | 27.133 | 0.452 |
| HS02 | | | | | | | | |
| H3P04 | | | | | | | | |
| HAS02 | 1.095 | 0.010 | 6.454 | 0.060 | | | | |
| C02 | 0.691 | 0.016 | | | 22.630 | 0.514 | 347.900 | 7.904 |
| H2S | | | | | 33.805 | 0.992 | 47.990 | 1.409 |
| RN (*F-10 CURTE/L) | 6.200 | | 1.140 | | | | | |
| NA/K | 9.938 | 11.121 | | | 9.108 | | | 10.945 |
| CA/(HC03+C03) | 0.316 | 27.337 | | | 0.366 | | | 612.446 |
| MG/CA | 0.211 | 0.051 | | | 0.500 | | | 0.359 |
| NA/CA | 8.429 | 6.020 | | | 1.788 | | | 0.678 |
| CL/(HC03+C03) | 1.745 | 204.879 | | | 0.020 | | | 216.728 |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 54.150 | 97.376 | | | 1.559 | | | 12.498 |
| S04*100/(CL+S04+HC03+C03) | 14.823 | 2.149 | | | 19.464 | | | 87.444 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.028 | 0.475 | | | 78.978 | | | 0.058 |
| (NA+K)*100/(NA+K+CA+MG) | 38.455 | 86.191 | | | 56.938 | | | 35.247 |
| CA*100/(NA+K+CA+MG) | 9.535 | 13.137 | | | 28.701 | | | 47.658 |
| MG*100/(NA+K+CA+MG) | 2.010 | 0.672 | | | 14.561 | | | 17.095 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 68.972 | 99.525 | | | 21.022 | | | 99.942 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 31.028 | 0.475 | | | 78.978 | | | 0.058 |
| (NA+K)*100/(NA+K+CA+MG) | 38.455 | 86.191 | | | 56.938 | | | 35.247 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.545 | 13.809 | | | 43.062 | | | 64.753 |

第28-2表 霧島地域水質一覽表 (つづき)

| | KRC101 | KRC102 | KRC103 | KRC104 |
|----------------------------------|---------|----------|----------|---------|
| NO | 98.0 | 94.5 | 57.0 | 51.0 |
| TEMP | 98.040 | 2771.000 | 1026.000 | 131.400 |
| TSM | 5.30 | 7.50 | 6.20 | 6.25 |
| PH(FD) | 5.00 | 7.70 | 6.20 | 6.05 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | 0.010 | 0.010 | 0.437 | 0.049 |
| K | 1.629 | 136.900 | 17.100 | 1.899 |
| NA | 4.246 | 691.600 | 57.480 | 25.920 |
| NH4 | 1.286 | 3.302 | 0.183 | 2.311 |
| CA | 7.507 | 75.790 | 3.782 | 10.090 |
| MG | 3.323 | 10.580 | 22.590 | 3.195 |
| FE | 0.100 | 0.150 | 0.740 | 0.353 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.150 | 0.023 | 0.026 | 0.255 |
| CL | 4.312 | 12.900 | 33.470 | 5.494 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 46.670 | 40.020 | 445.500 | 30.390 |
| SO3 | - | - | - | 3.482 |
| HC03 | 9.974 | 47.450 | 72.370 | 59.990 |
| CO3 | - | 0.081 | - | - |
| ST02 (MG/KG)(MMOL/KG) | 26.718 | 255.320 | 197.080 | 41.165 |
| H202 | - | 228.762 | - | - |
| H3P04 | - | - | - | - |
| HAS02 | 239.900 | 2.772 | - | - |
| CO2 | 31.665 | 2.282 | 137.300 | 76.930 |
| H2S | - | - | 27.972 | 5.954 |
| RN (*5-10 CURTE/L) | 12.200 | 1.940 | 4.800 | 48.400 |
| NA/K | 4.474 | 3.591 | 5.716 | 23.211 |
| CA/(HC03+CO3) | 2.291 | 4.846 | 5.982 | 0.512 |
| MG/CA | 0.730 | 0.230 | 0.262 | 0.522 |
| NA/CA | 0.498 | 7.955 | 0.352 | 2.239 |
| CL/(HC03+CO3) | 0.744 | 0.466 | 0.796 | 0.158 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 9.679 | 18.402 | 8.278 | 8.752 |
| S04*100/(CL+S04+HC03+CO3) | 77.314 | 42.134 | 81.322 | 35.728 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 13.007 | 39.464 | 10.400 | 55.521 |
| (NA+K)*100/(NA+K+CA+MG) | 26.035 | 87.233 | 24.703 | 60.545 |
| CA*100/(NA+K+CA+MG) | 42.755 | 9.890 | 59.666 | 25.920 |
| MG*100/(NA+K+CA+MG) | 31.210 | 2.277 | 15.631 | 13.535 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 86.993 | 60.536 | 89.600 | 44.479 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 13.007 | 39.464 | 10.400 | 55.521 |
| (NA+K)*100/(NA+K+CA+MG) | 26.035 | 87.233 | 24.703 | 60.545 |
| (CA+MG)*100/(NA+K+CA+MG) | 73.965 | 12.167 | 75.297 | 39.455 |

第28-2表 霧島地域水質一覧表(つづき)

| | KRC105 | KRC106 | KRC107 | KRC108 |
|----------------------------------|---------|---------|---------|----------|
| NO | 56.0 | 50.7 | 65.8 | 90.0 |
| TEMP | 980.000 | 907.600 | 858.600 | 1878.000 |
| TSM | 7.80 | 7.60 | 8.30 | 7.50 |
| PH(FD) | 7.80 | 7.85 | 8.60 | 7.90 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 57.740 | 56.170 | 81.930 | 97.530 |
| NA | 342.600 | 318.600 | 184.800 | 532.700 |
| NH4 | 1.651 | 0.990 | 6.603 | 13.210 |
| CA | 5.575 | 6.575 | 3.184 | 62.890 |
| MG | 7.345 | 4.195 | 3.009 | 5.113 |
| FF | 0.680 | 0.504 | 0.101 | 1.652 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.110 | 0.135 | 0.026 | 0.014 |
| CL | 82.010 | 82.010 | 7.091 | 984.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | 0.068 | 0.014 |
| S04 | 10.120 | 16.300 | 5.514 | 41.980 |
| S203 | - | - | - | - |
| HC03 | 900.000 | 810.300 | 621.600 | 60.880 |
| C03 | 3.361 | 3.451 | 1.465 | 0.276 |
| S102 (MG/KG)(MMOL/KG) | 13.243 | 137.166 | 193.003 | 132.556 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | 0.712 | 1.911 |
| C02 | 41.900 | 30.380 | 3.736 | 1.901 |
| H2S | - | - | - | - |
| RN (#F-10 CURIE/L) | 11.600 | 7.700 | 2.490 | 8.640 |
| NA/K | 10.090 | 9.646 | 3.836 | 9.288 |
| CA/(HC03+C03) | 0.019 | 0.024 | 0.016 | 3.116 |
| MG/CA | 2.145 | 1.052 | 1.558 | 0.134 |
| NA/CA | 53.571 | 42.241 | 50.596 | 7.384 |
| CL/(HC03+C03) | 0.156 | 0.173 | 0.020 | 27.585 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 13.306 | 14.416 | 1.896 | 93.658 |
| S04*100/(CL+S04+HC03+C03) | 1.212 | 2.115 | 1.088 | 2.947 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 95.482 | 83.470 | 97.016 | 3.395 |
| (NA+K)*100/(NA+K+CA+MG) | 94.869 | 95.784 | 96.144 | 87.823 |
| CA*100/(NA+K+CA+MG) | 1.611 | 2.055 | 1.507 | 10.738 |
| MG*100/(NA+K+CA+MG) | 3.520 | 2.162 | 2.349 | 1.440 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 14.518 | 16.530 | 2.984 | 96.605 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 85.482 | 83.470 | 97.016 | 3.395 |
| (NA+K)*100/(NA+K+CA+MG) | 94.869 | 95.784 | 96.144 | 87.823 |
| (CA+MG)*100/(NA+K+CA+MG) | 5.131 | 4.216 | 3.856 | 12.177 |

第28-2表 霧島地域水質一覧表(つづき)

| | KRC109 | KRC110 | KRC111 | KRC112 |
|----------------------------------|---------|----------|----------|----------|
| NO | 60.2 | 41.2 | 52.0 | 92.0 |
| TEMP | 142.600 | 909.500 | 1333.000 | 1568.000 |
| TSM | 7.35 | 6.20 | 6.85 | 8.30 |
| PH(FD) | 6.37 | 6.55 | 6.60 | 8.10 |
| PH(LR) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 2.029 | 27.310 | 48.380 | 78.020 |
| NA | 6.355 | 175.700 | 165.500 | 348.200 |
| NH4 | 6.386 | TR | 2.022 | 4.212 |
| CA | 9.301 | 149.800 | 125.100 | 50.310 |
| MG | 4.397 | 54.360 | 90.240 | 3.889 |
| FE | 0.300 | 0.265 | 1.250 | 1.021 |
| MN | | | | 0.037 |
| ZN | | | | |
| CU | | | | |
| PR | | | | |
| AL | 0.060 | 0.628 | 0.100 | 0.003 |
| CL | 2.839 | 83.750 | 133.500 | 638.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 48.780 | 76.210 | 84.680 | 0.022 |
| S2O3 | | | | 54.810 |
| HC03 | 36.390 | 1044.000 | 1073.900 | 72.730 |
| CO3 | | 0.120 | | |
| SI02 (MG/KG)(MMOL/KG) | 43.527 | 122.165 | 182.611 | 177.477 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | | | 0.464 | 8.506 |
| H2S | 44.010 | 325.000 | 337.700 | 1.399 |
| RN (*F-10 CURIE/L) | 32.700 | 3.880 | 1.250 | 2.670 |
| NA/K | 5.326 | 10.941 | 5.817 | 7.589 |
| CA/(HC03+CO3) | 0.778 | 0.437 | 0.355 | 2.106 |
| MG/CA | 0.780 | 0.598 | 1.190 | 0.127 |
| NA/CA | 0.596 | 1.022 | 1.153 | 6.033 |
| CL/(HC03+CO3) | 0.134 | 0.138 | 0.214 | 15.098 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 4.733 | 11.216 | 16.282 | 88.524 |
| S04*100/(CL+S04+HC03+CO3) | 60.019 | 7.533 | 7.622 | 5.613 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 35.248 | 81.251 | 76.096 | 5.863 |
| (NA+K)*100/(NA+K+CA+MG) | 28.445 | 41.112 | 38.167 | 85.828 |
| CA*100/(NA+K+CA+MG) | 40.208 | 36.841 | 28.240 | 12.569 |
| MG*100/(NA+K+CA+MG) | 31.346 | 22.047 | 33.593 | 1.602 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 64.752 | 18.749 | 23.904 | 94.137 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 35.248 | 81.251 | 76.096 | 5.863 |
| (NA+K)*100/(NA+K+CA+MG) | 28.445 | 41.112 | 38.167 | 85.828 |
| (CA+MG)*100/(NA+K+CA+MG) | 71.555 | 58.888 | 61.833 | 14.172 |

第28-2表 霧島地底水質一覽表(つづき)

| | KRC117 | KRC118 | KRC119 | KRC120 |
|----------------------------------|----------|---------|----------|---------|
| NO | 49.0 | 98.0 | 51.0 | 44.0 |
| TEMP | 1259.000 | 144.700 | 1189.000 | 986.400 |
| TSM | 6.50 | 7.10 | 7.58 | 7.60 |
| PH(FD) | 6.40 | 6.80 | 7.70 | 7.60 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 45.340 | 2.276 | 0.058 | 1.567 |
| NA | 168.800 | 6.742 | 0.293 | 70.680 |
| NH4 | | 5.729 | 0.318 | 271.400 |
| CA | 144.100 | 11.710 | 0.584 | 1.515 |
| MG | 75.600 | 4.846 | 0.399 | 22.300 |
| FE | 1.874 | 0.077 | 0.003 | 7.168 |
| MN | 0.030 | | | 0.590 |
| ZN | | | | 0.520 |
| CU | | | | 0.080 |
| PB | | | | 0.003 |
| AL | 0.076 | 0.033 | 0.004 | 0.006 |
| CL | 133.600 | 17.230 | 0.486 | 0.050 |
| BR | | | | 90.810 |
| I | | | | 2.562 |
| F | | | | |
| OH | | | | |
| SO4 | 123.800 | 42.090 | 0.876 | 14.980 |
| SO3 | | 3.203 | 0.057 | 0.312 |
| HC03 | 936.600 | 14.650 | 0.240 | 759.700 |
| CO3 | 4.111 | | | 2.400 |
| SI02 (MG/KG)(MMOL/KG) | 161.044 | 49.751 | 0.828 | 136.384 |
| HR02 | | | | 2.271 |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 314.400 | 5.646 | 0.128 | 30.100 |
| H2S | | 1.251 | 0.037 | 0.684 |
| RN (*E-10 CURIE/L) | 2.810 | 8.300 | 3.050 | 10.560 |
| NA/K | 6.331 | 5.037 | 8.812 | 6.530 |
| CA/(HC03+CO3) | 0.464 | 2.434 | 0.064 | 0.089 |
| MG/CA | 0.364 | 0.882 | 0.615 | 0.530 |
| NA/CA | 1.021 | 0.502 | 15.739 | 10.609 |
| CL/(HC03+CO3) | 9.243 | 2.024 | 0.209 | 0.204 |
| CL/F | | | | |
| CL*100/(CL+SO4+HC03+CO3) | 17.261 | 30.332 | 17.116 | 16.629 |
| SO4*100/(CL+SO4+HC03+CO3) | 11.805 | 54.885 | 1.144 | 2.025 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 70.934 | 14.884 | 81.739 | 81.346 |
| (NA+K)*100/(NA+K+CA+MG) | 38.761 | 26.337 | 91.563 | 88.884 |
| CA*100/(NA+K+CA+MG) | 32.780 | 43.783 | 5.225 | 7.265 |
| MG*100/(NA+K+CA+MG) | 28.458 | 29.880 | 3.213 | 3.851 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 29.066 | 85.016 | 18.261 | 18.654 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 70.934 | 14.884 | 81.739 | 81.346 |
| (NA+K)*100/(NA+K+CA+MG) | 38.761 | 26.337 | 91.563 | 88.884 |
| (CA+MG)*100/(NA+K+CA+MG) | 61.239 | 73.663 | 8.437 | 11.116 |

第 28-2 表 霧島地域水質一覽表 (つづき)

| NO | KRC121 | | KRC122 | | KRC123 | | KRC124 | |
|----------------------------------|----------|---------|---------|----------|----------|----------|--------|------|
| | 48.0 | 44.2 | 44.2 | 52.7 | 45.5 | 1078.000 | 6.30 | 6.20 |
| TEMP | 1029.000 | 137.800 | 137.800 | 1004.000 | 1078.000 | 6.30 | 6.20 | |
| TSM | 7.58 | 8.50 | 8.50 | 7.80 | 7.80 | | | |
| PH(FD) | 7.60 | 8.60 | 8.60 | 7.60 | 7.60 | | | |
| PH(LB) | | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | 69.110 | 1.768 | 5.418 | 112.900 | 2.888 | 29.200 | 0.747 | |
| NA | 282.400 | 12.284 | 22.570 | 247.300 | 10.758 | 150.300 | 6.538 | |
| NH4 | 0.843 | 0.047 | 1.348 | 0.675 | 0.037 | 1.516 | 0.084 | |
| CA | 15.150 | 0.756 | 5.846 | 7.719 | 0.385 | 60.030 | 2.995 | |
| MG | 3.627 | 0.298 | 0.326 | 4.370 | 0.360 | 37.810 | 3.111 | |
| FE | 0.077 | 0.003 | 0.110 | 0.074 | 0.003 | 0.680 | 0.024 | |
| MN | - | - | - | - | - | 0.140 | 0.005 | |
| ZN | - | - | - | - | - | - | - | |
| CU | - | - | - | - | - | - | - | |
| PB | - | - | - | - | - | - | - | |
| AL | 0.045 | 0.005 | 0.018 | 0.088 | 0.010 | 0.128 | 0.014 | |
| CL | 83.190 | 2.347 | 5.241 | 87.330 | 2.464 | 145.200 | 4.096 | |
| BR | - | - | - | - | - | - | - | |
| I | - | - | - | - | - | - | - | |
| F | - | - | - | - | - | - | - | |
| OH | 0.007 | 0.000 | 0.054 | 0.012 | 0.001 | - | - | |
| S04 | 9.695 | 0.202 | 6.504 | 12.010 | 0.250 | 98.260 | 2.046 | |
| S203 | - | - | - | - | - | - | - | |
| HC03 | 758.200 | 12.427 | 68.650 | 691.900 | 11.340 | 449.000 | 7.359 | |
| C03 | 3.960 | 0.132 | 1.260 | 2.064 | 0.069 | 0.360 | 0.012 | |
| ST02 (MG/KG) (MMOL/KG) | 119.373 | 1.988 | 57.841 | 139.198 | 2.318 | 230.478 | 3.837 | |
| HB02 | - | - | - | - | - | - | - | |
| H3F04 | - | - | - | - | - | - | - | |
| HAS02 | - | - | - | - | - | - | - | |
| C02 | 44.190 | 1.004 | 0.528 | 24.890 | 0.566 | 539.600 | 12.260 | |
| H2S | - | - | - | - | - | - | - | |
| RN (**F-10 CURIE/L) | 6.220 | 6.010 | 6.010 | 11.560 | 11.560 | 6.270 | 6.270 | |
| NA/K | 6.949 | 7.084 | 7.084 | 3.725 | 3.725 | 8.753 | 8.753 | |
| CA/(HC03+C03) | 0.060 | 0.241 | 0.241 | 0.034 | 0.034 | 0.406 | 0.406 | |
| MG/CA | 0.395 | 0.095 | 0.095 | 0.934 | 0.934 | 1.039 | 1.039 | |
| NA/CA | 16.250 | 3.485 | 3.485 | 27.929 | 27.929 | 2.183 | 2.183 | |
| CL/(HC03+C03) | 0.187 | 0.127 | 0.127 | 0.216 | 0.216 | 0.556 | 0.556 | |
| CL/F | - | - | - | - | - | - | - | |
| CL*100/(CL+S04+HC03+C03) | 15.532 | 10.193 | 10.193 | 17.444 | 17.444 | 30.312 | 30.312 | |
| S04*100/(CL+S04+HC03+C03) | 1.336 | 9.336 | 9.336 | 1.771 | 1.771 | 15.139 | 15.139 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 83.132 | 80.471 | 80.471 | 80.785 | 80.785 | 54.548 | 54.548 | |
| (NA+K)*100/(NA+K+CA+MG) | 93.020 | 78.406 | 78.406 | 94.824 | 94.824 | 54.399 | 54.399 | |
| CA*100/(NA+K+CA+MG) | 5.004 | 19.716 | 19.716 | 2.677 | 2.677 | 22.368 | 22.368 | |
| MG*100/(NA+K+CA+MG) | 1.976 | 1.877 | 1.877 | 2.499 | 2.499 | 23.233 | 23.233 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 16.868 | 19.529 | 19.529 | 19.215 | 19.215 | 45.452 | 45.452 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 83.132 | 80.471 | 80.471 | 80.785 | 80.785 | 54.548 | 54.548 | |
| (NA+K)*100/(NA+K+CA+MG) | 93.020 | 78.406 | 78.406 | 94.824 | 94.824 | 54.399 | 54.399 | |
| (CA+MG)*100/(NA+K+CA+MG) | 6.980 | 21.594 | 21.594 | 5.176 | 5.176 | 45.601 | 45.601 | |

第28-2表 霧島地獄水質一覽表 (つづき)

| | KRC125 | KRC126 | KRC127 | KRC128 |
|----------------------------------|---------|-----------|----------|----------|
| NO | 57.0 | 52.0 | 53.0 | 52.3 |
| TEMP | 200.400 | 30703.000 | 1185.000 | 1429.000 |
| TSM | 7.05 | 6.80 | 7.50 | 6.50 |
| PH(FD) | 6.20 | 6.80 | 7.50 | 6.50 |
| PH(LB) | | | | |
| H (MG/KG)(MVAI./KG) | | | | |
| K | 2.811 | 949.800 | 34.890 | 27.420 |
| NA | 24.380 | 2806.000 | 320.400 | 144.000 |
| NH4 | 2.695 | 13.050 | 1.011 | 1.685 |
| CA | 9.934 | 1214.000 | 11.010 | 157.800 |
| MG | 2.884 | 380.800 | 7.018 | 76.300 |
| FE | 0.187 | 1.876 | 0.320 | 3.210 |
| MN | | 0.450 | | 0.100 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.042 | 0.195 | 0.045 | 0.108 |
| CL | 39.600 | 16125.000 | 98.220 | 153.800 |
| BR | | 38.530 | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 38.100 | 2041.000 | 12.590 | 109.500 |
| S203 | 4.967 | | | |
| HC03 | 35.470 | 98.240 | 794.500 | 898.200 |
| CO3 | 0.018 | | | 0.108 |
| SI02 (MG/KG)(MMOL/KG) | 50.489 | 280.103 | 147.760 | 242.403 |
| H3PO4 | | | | |
| H2SO2 | 0.012 | | | 0.085 |
| CO2 | 6.529 | 37.760 | 61.130 | 458.100 |
| H2S | 3.574 | | | |
| RN (*F-10 CURIE/L) | 17.090 | 5.560 | 4.200 | 6.690 |
| NA/K | 14.749 | 15.766 | 15.616 | 8.931 |
| CA/(HC03+CO3) | 0.952 | 37.623 | 0.042 | 0.535 |
| MG/CA | 0.479 | 0.517 | 1.051 | 0.797 |
| NA/CA | 2.159 | 6.323 | 25.368 | 0.796 |
| CL/(HC03+CO3) | 1.922 | 282.511 | 0.213 | 0.295 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 44.832 | 91.161 | 17.258 | 20.328 |
| S04*100/(CL+S04+HC03+CO3) | 31.836 | 8.516 | 1.633 | 10.681 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.532 | 0.323 | 81.109 | 68.991 |
| (NA+K)*100/(NA+K+CA+MG) | 60.705 | 81.590 | 92.938 | 32.983 |
| CA*100/(NA+K+CA+MG) | 26.573 | 12.133 | 3.443 | 37.286 |
| MG*100/(NA+K+CA+MG) | 12.722 | 6.276 | 3.619 | 29.731 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 76.668 | 99.677 | 18.891 | 31.009 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 23.532 | 0.323 | 81.109 | 68.991 |
| (NA+K)*100/(NA+K+CA+MG) | 60.705 | 81.590 | 92.938 | 32.983 |
| (CA+MG)*100/(NA+K+CA+MG) | 39.295 | 18.410 | 7.062 | 67.017 |

第 28-2 表 霧島地域水質一覧表 (つづき)

| | KRC133 | | | KRC134 | | | KRC135 | | | KRC136 | | |
|----------------------------------|----------|--------|----------|----------|---------|--------|---------|-------|------|--------|------|--|
| NO | 59.2 | 71.0 | 53.5 | 43.0 | 53.5 | 43.0 | 767.000 | 7.60 | 7.70 | 7.60 | 7.70 | |
| TEMP | 1480.000 | 6.10 | 1048.000 | 1048.000 | 7.60 | 7.60 | | | | | | |
| TSM | 6.80 | | | | | | | | | | | |
| PH(FD) | 6.80 | | | | | | | | | | | |
| PH(CLB) | 6.80 | | | | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | | | | | |
| K | 48.980 | 1.253 | 1.962 | 0.050 | 109.500 | 2.801 | 30.490 | 0.780 | | | | |
| NA | 171.800 | 7.473 | 5.823 | 0.253 | 254.900 | 11.088 | 219.500 | 9.548 | | | | |
| NH4 | 1.685 | 0.093 | 6.739 | 0.374 | 0.674 | 0.037 | 0.674 | 0.037 | | | | |
| CA | 125.500 | 6.262 | 30.950 | 1.544 | 17.150 | 0.856 | 9.598 | 0.479 | | | | |
| MG | 89.410 | 7.358 | 6.337 | 0.521 | 7.167 | 0.590 | 3.157 | 0.260 | | | | |
| FE | 0.504 | 0.018 | 0.029 | 0.001 | 0.082 | 0.003 | 0.031 | 0.001 | | | | |
| MN | - | - | - | - | - | - | - | - | | | | |
| ZN | - | - | - | - | - | - | - | - | | | | |
| CU | - | - | - | - | - | - | - | - | | | | |
| PB | - | - | - | - | - | - | - | - | | | | |
| AL | 0.325 | 0.036 | - | - | 0.033 | 0.004 | 0.045 | 0.005 | | | | |
| CL | 172.200 | 4.858 | 2.305 | 0.065 | 81.860 | 2.309 | 66.520 | 1.877 | | | | |
| BR | - | - | - | - | - | - | - | - | | | | |
| I | - | - | - | - | - | - | - | - | | | | |
| F | - | - | - | - | - | - | - | - | | | | |
| OH | - | - | - | - | - | - | - | - | | | | |
| S04 | 94.240 | 1.962 | 74.070 | 1.542 | 10.950 | 0.228 | 25.030 | 0.521 | | | | |
| S2O3 | - | - | 0.572 | 0.010 | - | - | - | - | | | | |
| HC03 | 976.300 | 16.002 | 68.650 | 1.125 | 776.800 | 12.732 | 525.200 | 8.608 | | | | |
| C03 | - | - | - | - | 1.800 | 0.060 | 0.960 | 0.032 | | | | |
| SI02 (MG/KG)(MMOL/KG) | 185.872 | 3.095 | 44.166 | 0.735 | 138.000 | 2.298 | 112.014 | 1.865 | | | | |
| HR02 | - | - | - | - | - | - | - | - | | | | |
| H3PO4 | 0.043 | 0.000 | - | - | - | - | 1.391 | 0.014 | | | | |
| HAS02 | 368.400 | 8.370 | 132.000 | 2.999 | 46.690 | 1.061 | 25.260 | 0.574 | | | | |
| C02 | - | - | 4.983 | 0.146 | - | - | - | - | | | | |
| H2S | - | - | - | - | - | - | - | - | | | | |
| RN (*F-10 CURIE/L) | 2.140 | 5.040 | 3.930 | 19.390 | | | | | | | | |
| NA/K | 5.965 | 5.047 | 3.959 | 12.242 | | | | | | | | |
| CA/(HC03+C03) | 0.391 | 1.373 | 0.067 | 0.055 | | | | | | | | |
| MG/CA | 1.175 | 0.338 | 0.689 | 0.542 | | | | | | | | |
| NA/CA | 1.193 | 0.164 | 12.957 | 19.936 | | | | | | | | |
| CL/(HC03+C03) | 0.304 | 0.058 | 0.181 | 0.217 | | | | | | | | |
| CL/F | - | - | - | - | | | | | | | | |
| CL*100/(CL+S04+HC03+C03) | 21.286 | 2.380 | 15.065 | 17.001 | | | | | | | | |
| S04*100/(CL+S04+HC03+C03) | 8.598 | 56.440 | 1.487 | 4.721 | | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 70.116 | 41.180 | 83.448 | 78.278 | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 39.050 | 12.809 | 90.573 | 93.325 | | | | | | | | |
| CA*100/(NA+K+CA+MG) | 28.025 | 65.182 | 5.581 | 4.328 | | | | | | | | |
| MG*100/(NA+K+CA+MG) | 32.925 | 22.009 | 3.846 | 2.347 | | | | | | | | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 29.884 | 58.820 | 16.552 | 21.722 | | | | | | | | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 70.116 | 41.180 | 83.448 | 78.278 | | | | | | | | |
| (NA+K)*100/(NA+K+CA+MG) | 39.050 | 12.809 | 90.573 | 93.325 | | | | | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | 60.950 | 87.191 | 9.427 | 6.675 | | | | | | | | |

第28-2表 霧高地域水質一覧表(つづき)

| | KRC137 | KRC138 | KRC139 | KRC140 |
|----------------------------------|----------|----------|---------|----------|
| NO | 54.0 | 54.0 | 50.5 | 44.7 |
| TEMP | 1057.000 | 1038.000 | 501.800 | 1124.000 |
| TSM | 7.80 | 7.60 | 6.80 | 6.50 |
| PH(FD) | 7.80 | 7.70 | 6.80 | 6.80 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 76.960 | 88.280 | 19.720 | 31.270 |
| NA | 283.000 | 260.800 | 61.330 | 154.600 |
| NH4 | 1.179 | 1.348 | 1.516 | - |
| CA | 12.580 | 18.580 | 23.080 | 121.400 |
| MG | 6.074 | 6.031 | 15.950 | 56.020 |
| FE | 0.288 | 0.310 | 0.280 | 1.530 |
| MN | - | - | 0.145 | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.045 | 0.063 | 0.040 | 0.054 |
| CL | 87.330 | 88.680 | 2.309 | 105.700 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 13.990 | 15.890 | 68.470 | 98.280 |
| SO3 | - | - | - | - |
| HC03 | 765.800 | 739.500 | 246.500 | 808.500 |
| CO3 | 3.000 | 1.920 | 0.960 | - |
| SI02 (MG/KG)(MMOL/KG) | 144.890 | 141.241 | 192.633 | 164.810 |
| HB02 | - | - | - | - |
| H3P04 | - | - | 0.535 | - |
| HAS02 | - | - | - | - |
| CO2 | 29.460 | 35.550 | 83.800 | 310.900 |
| H2S | - | - | - | - |
| RN (*F-10 CURIE/L) | 6.470 | 8.480 | 13.150 | 2.980 |
| NA/K | 6.253 | 5.024 | 5.289 | 8.408 |
| CA/(HC03+CO3) | 0.050 | 0.076 | 0.283 | 0.457 |
| MG/CA | 0.796 | 0.535 | 1.140 | 0.761 |
| NA/CA | 19.611 | 12.236 | 2.316 | 1.110 |
| CL/(HC03+CO3) | 0.195 | 0.205 | 0.016 | 0.225 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 15.991 | 16.659 | 1.171 | 16.312 |
| SO4*100/(CL+S04+HC03+CO3) | 1.891 | 2.203 | 25.626 | 11.194 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 82.119 | 81.138 | 73.203 | 72.494 |
| (NA+K)*100/(NA+K+CA+MG) | 92.681 | 90.527 | 56.281 | 41.363 |
| CA*100/(NA+K+CA+MG) | 4.074 | 6.170 | 20.433 | 33.298 |
| MG*100/(NA+K+CA+MG) | 3.244 | 3.303 | 23.286 | 25.339 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 17.881 | 18.862 | 26.797 | 27.506 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 82.119 | 81.138 | 73.203 | 72.494 |
| (NA+K)*100/(NA+K+CA+MG) | 92.681 | 90.527 | 56.281 | 41.363 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.319 | 9.473 | 43.719 | 58.637 |

第28-2表 蒭島地咸水質一覽表 (つづき)

| | KRC145 | KRC146 | KRC147 | KRC148 |
|----------------------------------|----------|----------|---------|----------|
| NO | 57.0 | 50.5 | 46.0 | 53.5 |
| TEMP | 1158.000 | 1270.000 | 916.400 | 1168.000 |
| TSM | 7.60 | 6.30 | 7.60 | 7.70 |
| PH(FD) | 7.60 | 6.40 | 7.60 | 7.75 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 61.570 | 31.490 | 31.490 | 56.770 |
| NA | 361.100 | 155.900 | 250.700 | 317.600 |
| NH4 | 1.348 | 7.335 | — | 0.938 |
| CA | 18.010 | 119.500 | 7.477 | 12.580 |
| MG | 3.190 | 72.500 | 8.184 | 3.846 |
| FE | 0.034 | 1.162 | 0.373 | 0.316 |
| MN | — | 0.064 | 0.014 | 0.085 |
| ZN | — | — | 0.004 | — |
| CU | — | — | — | — |
| PR | — | — | — | — |
| AL | 0.018 | 0.025 | 0.043 | 0.108 |
| CL | 95.520 | 145.000 | 73.320 | 92.730 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 15.310 | 80.310 | 8.727 | 13.660 |
| S2O3 | — | — | — | — |
| HCO3 | 779.520 | 865.800 | 637.600 | 809.100 |
| CO3 | 1.800 | 0.108 | 1.728 | 2.586 |
| STO2 (MG/KG) (MMOL/KG) | 144.539 | 180.786 | 125.618 | 151.139 |
| HB02 | — | — | — | — |
| H3PO4 | — | — | — | — |
| HAS02 | — | — | — | — |
| CO2 | 43.860 | 655.700 | 38.330 | 41.420 |
| H2S | — | — | — | — |
| RN (*F-10 CURTE/L) | 7.690 | 2.070 | 9.490 | 1.880 |
| NA/K | 8.316 | 8.419 | 13.538 | 9.514 |
| CA/(HCO3+CO ²⁻) | 0.070 | 0.820 | 0.036 | 0.047 |
| MG/CA | 0.292 | 1.000 | 1.805 | 0.504 |
| NA/CA | 14.574 | 1.137 | 29.229 | 22.008 |
| CL/(HCO3+CO3) | 0.210 | 0.288 | 0.197 | 0.196 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | 16.986 | 20.497 | 16.212 | 16.100 |
| S04*100/(CL+S04+HCO3+CO3) | 2.011 | 8.378 | 1.424 | 1.750 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 80.993 | 71.125 | 82.563 | 82.149 |
| (NA+K)*100/(NA+K+CA+MG) | 92.656 | 38.876 | 91.797 | 94.176 |
| CA*100/(NA+K+CA+MG) | 5.676 | 30.554 | 2.925 | 3.872 |
| MG*100/(NA+K+CA+MG) | 1.658 | 30.570 | 5.279 | 1.952 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 19.007 | 28.875 | 17.637 | 17.851 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 80.993 | 71.125 | 82.563 | 82.149 |
| (NA+K)*100/(NA+K+CA+MG) | 92.656 | 38.876 | 91.797 | 94.176 |
| (CA+MG)*100/(NA+K+CA+MG) | 7.334 | 61.124 | 8.203 | 5.824 |

第28-2表 霧島地域水質一覽表 (つづき)

| | KRC149 | KRC150 | KRC151 | KRC152 |
|----------------------------------|-----------|-----------|-----------|---------|
| NO | 38.0 | 48.5 | 50.8 | 39.2 |
| TEMP | 74.89.000 | 14.95.000 | 108.6.000 | — |
| TSM | 7.70 | 6.40 | 6.95 | 6.60 |
| PH(FD) | 7.70 | 6.58 | 7.00 | 6.65 |
| PH(LR) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | — | — | — | — |
| K | 475.400 | 35.220 | 23.690 | 14.810 |
| NA | 1987.000 | 191.200 | 325.400 | 117.100 |
| NH4 | 1.660 | 8.317 | 0.750 | — |
| CA | 392.800 | 13.992 | 0.756 | — |
| MG | 168.200 | 7.660 | 15.150 | 114.600 |
| FE | 0.750 | 93.080 | 11.360 | 41.950 |
| MN | 1.420 | 0.056 | 0.592 | 0.265 |
| ZN | — | 0.003 | — | 0.009 |
| CU | — | 0.000 | — | 0.017 |
| PB | — | — | — | — |
| AL | 0.112 | — | — | — |
| CL | — | 0.530 | 0.122 | 0.620 |
| BR | 3882.000 | 4.119 | 2.471 | 0.069 |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 514.900 | 3.362 | 16.960 | 1.238 |
| S203 | — | — | — | — |
| HCO3 | 567.500 | 14.271 | 870.700 | 698.700 |
| CO3 | 1.020 | 0.002 | 0.120 | 0.060 |
| SI02 (MG/KG) (MMOL/KG) | 140.026 | 2.412 | 151.160 | 93.992 |
| HB02 | — | — | — | — |
| H3PO4 | — | — | — | — |
| HAS02 | — | — | — | — |
| CO2 | 15.640 | 3.229 | 4.848 | — |
| H2S | — | — | — | — |
| RN (*F-10 CURIE/L) | 5.060 | 6.070 | 6.020 | 8.070 |
| NA/K | 7.108 | 9.232 | 23.358 | 13.446 |
| CA/(HCO3+CO3) | 2.100 | 0.596 | 0.053 | 0.499 |
| MG/CA | 0.706 | 1.237 | 0.604 | 0.604 |
| NA/CA | 4.410 | 0.594 | 18.724 | 0.891 |
| CL/(HCO3+CO3) | 11.731 | 0.175 | 0.173 | 1.776 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | 84.521 | 13.299 | 14.449 | 61.583 |
| S04*100/(CL+S04+HCO3+CO3) | 8.274 | 10.857 | 2.065 | 3.747 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.205 | 75.844 | 83.485 | 34.670 |
| (NA+K)*100/(NA+K+CA+MG) | 74.672 | 29.861 | 89.723 | 37.373 |
| CA*100/(NA+K+CA+MG) | 14.845 | 45.326 | 4.595 | 39.052 |
| MG*100/(NA+K+CA+MG) | 10.483 | 24.813 | 5.682 | 23.574 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 92.795 | 24.156 | 16.515 | 65.330 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 7.205 | 75.844 | 83.485 | 34.670 |
| (NA+K)*100/(NA+K+CA+MG) | 74.672 | 29.861 | 89.723 | 37.373 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.328 | 70.139 | 10.277 | 62.627 |

第28-2表 霧島地域水質一覽表(つづき)

| | KRC157 | KRC158 | KRC159 | KRC160 |
|----------------------------------|---------|---------|---------|----------|
| NO | 53.0 | 46.0 | 51.0 | 47.0 |
| TEMP | 966.000 | 816.400 | 997.000 | 8736.000 |
| TSM | 7.50 | 7.48 | 7.70 | 7.75 |
| PH(CFD) | 7.50 | 7.48 | 7.70 | 7.75 |
| PH(CLR) | 7.50 | 7.48 | 7.70 | 7.75 |
| H (MG/KC)(MVAL/KG) | | | | |
| K | 93.000 | 61.060 | 51.450 | 687.300 |
| NA | 276.100 | 232.300 | 286.800 | 1869.000 |
| NH4 | 0.776 | 0.613 | 0.631 | 1.418 |
| CA | 14.010 | 15.720 | 2.615 | 33.090 |
| MG | 6.340 | 11.010 | 8.217 | 224.800 |
| FE | 0.420 | 0.580 | 1.081 | 1.081 |
| MN | 0.090 | 0.038 | 0.001 | 1.239 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.350 | 0.875 | 0.058 | 0.041 |
| CL | 78.500 | 64.070 | 80.130 | 4007.000 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 14.320 | 14.960 | 0.007 | 584.100 |
| S04 | - | - | 18.110 | 0.377 |
| S203 | 809.700 | 672.400 | 731.100 | 530.500 |
| HC03 | 0.672 | 1.260 | 1.086 | 2.520 |
| C03 | - | - | - | - |
| S102 (MG/KG)(MMOL/KG) | 135.790 | 121.181 | 148.036 | 412.979 |
| HR02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 52.940 | 51.670 | 35.110 | 12.750 |
| H2S | - | - | - | - |
| RN (*E-10 CURTIE/L) | 4.510 | 4.170 | 8.930 | 3.250 |
| NA/K | 5.231 | 6.470 | 9.479 | 4.624 |
| CA/(HC03+C03) | 0.068 | 0.071 | 0.011 | 0.188 |
| MG/CA | 0.584 | 1.155 | 5.182 | 11.203 |
| NA/CA | 13.848 | 12.882 | 95.608 | 49.238 |
| CL/(HC03+C03) | 0.167 | 0.163 | 0.188 | 12.876 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 14.010 | 13.711 | 15.423 | 84.371 |
| S04*100/(CL+S04+HC03+C03) | 1.886 | 2.366 | 2.573 | 9.077 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.103 | 83.923 | 82.004 | 6.553 |
| (NA+K)*100/(NA+K+CA+MG) | 91.238 | 87.345 | 94.474 | 83.072 |
| CA*100/(NA+K+CA+MG) | 5.531 | 5.873 | 0.894 | 1.387 |
| MG*100/(NA+K+CA+MG) | 3.231 | 6.783 | 4.632 | 15.541 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 15.897 | 16.077 | 17.996 | 93.447 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.103 | 83.923 | 82.004 | 6.553 |
| (NA+K)*100/(NA+K+CA+MG) | 91.238 | 87.345 | 94.474 | 83.072 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.762 | 12.655 | 5.526 | 16.928 |

第28-2表 霧島地蔵水質一覧表 (つづき)

| NO | KRC161 | | KRC162 | | KRC163 | | KRC164 | |
|----------------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|
| | 44.0 | 47.5 | 44.5 | 54.0 | 54.0 | 55.0 | 55.0 | 55.0 |
| TEMP | 23569.000 | 1040.000 | 1040.000 | 1075.000 | 1075.000 | 1055.000 | 1055.000 | 1055.000 |
| TSM | 7.52 | 6.50 | 6.50 | 7.52 | 7.52 | 7.60 | 7.60 | 7.60 |
| PH(FD) | 7.50 | 6.50 | 6.50 | 7.52 | 7.52 | 7.60 | 7.60 | 7.60 |
| PH(CLB) | | | | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | | | | |
| K | 529.000 | 13.532 | 44.650 | 1.142 | 75.760 | 1.938 | 42.340 | 1.083 |
| NA | 6001.000 | 261.044 | 303.600 | 13.207 | 265.800 | 11.562 | 258.700 | 11.253 |
| NH4 | 2.740 | 0.152 | | | | | 0.674 | 0.037 |
| CA | 1228.000 | 61.277 | 74.610 | 3.723 | 9.434 | 0.471 | 21.730 | 1.084 |
| MG | 490.800 | 40.388 | 47.350 | 3.896 | 21.460 | 1.766 | 5.681 | 0.467 |
| FE | 0.455 | 0.016 | 2.016 | 0.072 | 0.215 | 0.008 | 0.268 | 0.010 |
| MN | 6.560 | 0.239 | 0.143 | 0.005 | 0.066 | 0.002 | 0.056 | 0.002 |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 0.041 | 0.005 | 0.065 | 0.007 | 0.202 | 0.022 | 0.084 | 0.009 |
| CL | 12314.000 | 347.378 | 103.000 | 2.906 | 88.930 | 2.509 | 70.810 | 1.998 |
| BR | 1.958 | 0.025 | | | | | | |
| I | | | | | | | | |
| F | | | | | | | | |
| OH | | | | | | | | |
| SO4 | 1325.000 | 27.587 | 61.000 | 1.270 | 9.712 | 0.202 | 0.007 | 0.000 |
| S2O3 | | | | | | | 14.320 | 0.298 |
| HCO3 | 88.050 | 1.443 | 1087.000 | 17.816 | 791.400 | 12.971 | 674.200 | 11.050 |
| CO3 | 0.165 | 0.006 | 0.096 | 0.003 | 1.944 | 0.065 | 0.390 | 0.013 |
| ST02 (MG/KG)(MMOL/KG) | 132.990 | 2.214 | 158.827 | 2.644 | 156.814 | 2.611 | 151.605 | 2.524 |
| H3PO4 | | | | | | | | |
| HAS02 | | | | | | | | |
| CO2 | | | | | | | | |
| H2S | 6.778 | 0.154 | 408.900 | 9.290 | 43.900 | 0.997 | 40.510 | 0.920 |
| RN (*F-10 CURIE/L) | | | | | | | | |
| RA | 6.160 | 10.870 | | | | 9.730 | | 7.760 |
| NA/K | 19.291 | 11.563 | | | | 5.966 | | 10.390 |
| CA/(HCO3+CO3) | 42.300 | 0.209 | | | | 0.036 | | 0.098 |
| MG/CA | 0.659 | 1.047 | | | | 3.751 | | 0.431 |
| NA/CA | 4.260 | 3.547 | | | | 24.561 | | 10.378 |
| CL/(HCO3+CO3) | 239.796 | 0.163 | | | | 0.192 | | 0.181 |
| CL/F | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 92.286 | 13.211 | | | | 15.932 | | 14.953 |
| S04*100/(CL+S04+HCO3+CO3) | 7.329 | 5.774 | | | | 1.284 | | 2.232 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.385 | 81.015 | | | | 82.784 | | 82.815 |
| (NA+K)*100/(NA+K+CA+MG) | 72.979 | 65.316 | | | | 85.787 | | 88.826 |
| CA*100/(NA+K+CA+MG) | 16.287 | 16.947 | | | | 2.991 | | 7.807 |
| MG*100/(NA+K+CA+MG) | 10.735 | 17.737 | | | | 11.222 | | 3.366 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.615 | 18.985 | | | | 17.216 | | 17.185 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.395 | 81.015 | | | | 82.784 | | 82.815 |
| (NA+K)*100/(NA+K+CA+MG) | 72.979 | 65.316 | | | | 85.787 | | 88.826 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.021 | 34.684 | | | | 14.213 | | 11.174 |

第28-2表 霧島地域水質一覽表 (つづき)

| | KRC165 | KRC166 | KRC167 | KRC168 |
|----------------------------------|---------|----------|-----------|-----------|
| NO | 47.0 | 45.5 | 50.0 | 44.5 |
| TEMP | 880.800 | 1015.000 | 16359.000 | 25995.000 |
| TSM | 7.40 | 6.50 | 7.20 | 7.00 |
| PH(CD) | 7.40 | 7.87 | 7.20 | 7.00 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 31.160 | 42.770 | 1.094 | 779.100 |
| NA | 253.800 | 259.180 | 11.274 | 7566.000 |
| NH4 | 0.571 | | 0.115 | 0.006 |
| CA | 24.300 | 34.310 | 1.712 | 1256.000 |
| MG | 3.103 | 4.282 | 0.352 | 381.900 |
| FE | 0.142 | 2.150 | 0.077 | 2.300 |
| MN | 0.088 | | 3.420 | 6.420 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.058 | 0.355 | 0.039 | 0.008 |
| CL | 77.830 | 81.520 | 2.300 | 14452.000 |
| BR | | | 9.750 | 7.787 |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 12.670 | 19.750 | 0.411 | 1599.000 |
| S2O3 | | | | |
| HC03 | 662.000 | 720.600 | 11.811 | 139.700 |
| CO3 | 0.840 | 0.690 | 0.023 | |
| SI02 (MG/KG)(MMOL/KG) | 144.112 | 141.594 | 2.358 | 109.019 |
| H2O2 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 63.640 | 2.646 | 0.060 | 33.450 |
| RN (*E-10 CURTE/L) | 5.320 | 7.970 | 6.310 | 2.810 |
| NA/K | 13.851 | 10.305 | 13.067 | 16.514 |
| CA/(HC03+CO3) | 0.111 | 0.145 | 13.669 | 27.373 |
| MG/CA | 0.211 | 0.206 | 0.931 | 0.501 |
| NA/CA | 5.105 | 6.585 | 7.272 | 5.251 |
| CL/(HC03+CO3) | 0.202 | 0.194 | 145.249 | 178.056 |
| CL/F | | | | |
| CL*100/(CL+SO4+HC03+CO3) | 16.462 | 15.811 | 89.683 | 91.973 |
| SO4*100/(CL+SO4+HC03+CO3) | 1.978 | 2.827 | 9.700 | 7.510 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 81.561 | 81.362 | 0.617 | 0.517 |
| (NA+K)*100/(NA+K+CA+MG) | 88.967 | 85.696 | 80.214 | 78.766 |
| CA*100/(NA+K+CA+MG) | 9.113 | 11.862 | 10.247 | 14.143 |
| MG*100/(NA+K+CA+MG) | 1.919 | 2.441 | 9.539 | 7.092 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 18.439 | 18.638 | 99.383 | 99.483 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 81.561 | 81.362 | 0.617 | 0.517 |
| (NA+K)*100/(NA+K+CA+MG) | 88.967 | 85.696 | 80.214 | 78.766 |
| (CA+MG)*100/(NA+K+CA+MG) | 11.033 | 14.304 | 19.786 | 21.234 |

第28-2表 霧島地域水質一覧表(つづき)

| NO | H (MG/KG)(MVAL/KG) | KRC169 | | | KRC170 | | | KRC171 | | | KRC172 | | |
|----------------------------------|--------------------|--------|-------|-------|--------|--------|-------|---------|-------|--------|---------|-------|------|
| | | 58.0 | 54.0 | 46.0 | 54.0 | 46.0 | 46.0 | 145.000 | 5.40 | 5.40 | 141.600 | 5.50 | 5.50 |
| TEMP | 0.004 | 0.004 | 0.004 | 0.004 | 0.032 | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 | |
| TSM | 4.362 | 1.239 | 0.112 | 0.332 | 0.640 | 0.805 | 0.021 | 0.021 | 0.021 | 1.404 | 0.036 | 0.036 | |
| PH(FD) | 15.500 | 14.710 | 0.674 | 0.640 | 0.110 | 11.110 | 0.483 | 0.483 | 0.483 | 17.580 | 0.765 | 0.765 | |
| PH(LB) | 0.110 | 0.121 | 0.006 | 0.007 | 0.097 | 0.005 | 0.005 | 0.005 | 0.005 | — | — | — | |
| H | 16.440 | 8.719 | 0.820 | 0.435 | 17.150 | 0.856 | 0.856 | 0.856 | 0.856 | 14.720 | 0.735 | 0.735 | |
| CA | 2.515 | 2.667 | 0.209 | 0.219 | 4.327 | 0.356 | 0.356 | 0.356 | 0.356 | 2.797 | 0.230 | 0.230 | |
| MG | 0.004 | 0.155 | 0.003 | 0.007 | 0.215 | 0.008 | 0.008 | 0.008 | 0.008 | 0.265 | 0.009 | 0.009 | |
| FE | — | — | — | — | — | — | — | — | — | — | — | — | |
| MN | — | — | — | — | — | — | — | — | — | — | — | — | |
| ZN | — | — | — | — | — | — | — | — | — | — | — | — | |
| CU | — | — | — | — | — | — | — | — | — | — | — | — | |
| PB | — | — | — | — | — | — | — | — | — | — | — | — | |
| AL | 0.135 | 0.118 | 0.015 | 0.013 | 0.054 | 0.006 | 0.006 | 0.006 | 0.006 | 0.106 | 0.012 | 0.012 | |
| CL | 16.680 | 5.744 | 0.471 | 0.162 | 7.411 | 0.209 | 0.209 | 0.209 | 0.209 | 16.680 | 0.471 | 0.471 | |
| BR | — | — | — | — | — | — | — | — | — | — | — | — | |
| I | — | — | — | — | — | — | — | — | — | — | — | — | |
| F | — | — | — | — | — | — | — | — | — | — | — | — | |
| OH | — | — | — | — | — | — | — | — | — | — | — | — | |
| S04 | 56.730 | 32.430 | 1.181 | 0.675 | 39.260 | 0.817 | 0.817 | 0.817 | 0.817 | 29.140 | 0.607 | 0.607 | |
| S203 | 5.685 | — | 0.101 | — | 4.967 | 0.089 | 0.089 | 0.089 | 0.089 | 11.350 | 0.202 | 0.202 | |
| HC03 | 5.371 | 27.560 | 0.087 | 0.448 | 41.320 | 0.677 | 0.677 | 0.677 | 0.677 | 32.750 | 0.537 | 0.537 | |
| CO3 | 0.009 | 0.042 | 0.000 | 0.001 | — | — | — | — | — | — | — | — | |
| SI02 (MG/KG)(MMOL/KG) | 36.606 | 13.659 | 0.609 | 0.227 | 16.777 | 0.279 | 0.279 | 0.279 | 0.279 | 13.100 | 0.218 | 0.218 | |
| H2O2 | — | — | — | — | — | — | — | — | — | — | — | — | |
| H3PO4 | — | — | — | — | — | — | — | — | — | — | — | — | |
| HAS02 | — | — | — | — | — | — | — | — | — | — | — | — | |
| CO2 | 51.190 | 7.539 | 1.163 | 0.171 | 65.490 | 1.488 | 1.488 | 1.488 | 1.488 | 46.250 | 1.051 | 1.051 | |
| H2S | 3.977 | — | 0.117 | — | 0.456 | 0.013 | 0.013 | 0.013 | 0.013 | 2.440 | 0.072 | 0.072 | |
| RN (*F-10 CURIE/L) | 28.430 | 12.400 | — | — | — | — | — | — | — | — | — | — | |
| NA/K | 6.043 | 20.190 | — | — | 23.470 | — | — | — | — | 21.293 | — | — | |
| CA/(HC03+C03) | 9.374 | 0.967 | — | — | 1.264 | — | — | — | — | 1.368 | — | — | |
| MG/CA | 0.254 | 0.504 | — | — | 0.416 | — | — | — | — | 0.313 | — | — | |
| NA/CA | 0.822 | 1.471 | — | — | 0.565 | — | — | — | — | 1.041 | — | — | |
| CL/(HC03+C03) | 5.377 | 0.360 | — | — | 0.309 | — | — | — | — | 0.877 | — | — | |
| CL/F | — | — | — | — | — | — | — | — | — | — | — | — | |
| CL*100/(CL+S04+HC03+C03) | 27.056 | 12.590 | — | — | 12.271 | — | — | — | — | 29.154 | — | — | |
| S04*100/(CL+S04+HC03+C03) | 67.913 | 52.460 | — | — | 47.978 | — | — | — | — | 37.589 | — | — | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.032 | 34.950 | — | — | 39.751 | — | — | — | — | 33.257 | — | — | |
| (NA+K)*100/(NA+K+CA+MG) | 43.301 | 50.642 | — | — | 29.368 | — | — | — | — | 45.354 | — | — | |
| CA*100/(NA+K+CA+MG) | 45.204 | 32.808 | — | — | 49.879 | — | — | — | — | 41.608 | — | — | |
| MG*100/(NA+K+CA+MG) | 11.495 | 16.550 | — | — | 20.753 | — | — | — | — | 13.038 | — | — | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 94.968 | 65.050 | — | — | 60.249 | — | — | — | — | 66.743 | — | — | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 5.032 | 34.950 | — | — | 39.751 | — | — | — | — | 33.257 | — | — | |
| (NA+K)*100/(NA+K+CA+MG) | 43.301 | 50.642 | — | — | 29.368 | — | — | — | — | 45.354 | — | — | |
| (CA+MG)*100/(NA+K+CA+MG) | 56.699 | 49.358 | — | — | 70.632 | — | — | — | — | 54.646 | — | — | |

第28-2表 霧島地域水質一覧表(つづき)

| NO | KRC173 | KRC174 | KRC175 | KRC176 |
|----------------------------------|----------|---------|---------|---------|
| TEMP | 54.3 | 96.0 | 86.5 | 39.0 |
| TSM | 1020.000 | 265.400 | 118.200 | 625.600 |
| PH(F/D) | 6.90 | 7.50 | 6.05 | 7.80 |
| PH(L/B) | 7.00 | 7.50 | 6.05 | 7.80 |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 33.240 | 7.791 | 0.199 | 31.170 |
| NA | 241.900 | 30.690 | 1.335 | 198.100 |
| NH4 | - | - | - | 3.357 |
| CA | 38.020 | 18.150 | 0.906 | 14.870 |
| MG | 4.020 | 4.807 | 0.396 | 2.010 |
| FE | 2.400 | 0.070 | 0.073 | 0.165 |
| MN | 0.166 | - | - | 0.369 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 9.213 | 0.060 | 0.007 | 0.170 |
| CL | 88.930 | 8.698 | 0.245 | 7.446 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 16.130 | 69.070 | 1.438 | 0.017 |
| S203 | - | 2.832 | 0.051 | 6.753 |
| HCO3 | 768.200 | 65.890 | 1.080 | 508.600 |
| CO3 | 0.435 | - | - | 1.920 |
| ST02 (MG/KG)(MMOL/KG) | 140.022 | 51.995 | 0.866 | 218.030 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 140.700 | 17.600 | 0.400 | 0.313 |
| H2S | - | 1.326 | 0.039 | 19.980 |
| RN (*E-10 CURIE/L) | 11.330 | 11.400 | 12.530 | 3.920 |
| NA/K | 14.422 | 6.699 | 5.470 | 8.625 |
| CA/(HCO3+CO3) | 0.151 | 0.839 | 3.401 | 0.088 |
| MG/CA | 0.174 | 0.437 | 0.947 | 0.223 |
| NA/CA | 6.464 | 1.474 | 0.587 | 9.269 |
| CL/(HCO3+CO3) | 0.199 | 0.227 | 1.664 | 0.025 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 16.238 | 8.879 | 20.248 | 2.400 |
| S04*100/(CL+S04+HC03+CO3) | 2.174 | 52.040 | 67.584 | 1.607 |
| (HCO3+CO3)*100/(CL+S04+HC03+CO3) | 31.589 | 39.081 | 12.168 | 95.993 |
| (NA+K)*100/(NA+K+CA+MG) | 85.477 | 54.110 | 26.279 | 89.427 |
| CA*100/(NA+K+CA+MG) | 12.367 | 31.940 | 37.872 | 8.646 |
| MG*100/(NA+K+CA+MG) | 2.156 | 13.950 | 35.850 | 1.927 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 18.411 | 60.919 | 87.832 | 4.007 |
| (HCO3+CO3)*100/(CL+S04+HC03+CO3) | 81.589 | 39.081 | 12.168 | 95.993 |
| (NA+K)*100/(NA+K+CA+MG) | 85.477 | 54.110 | 26.279 | 89.427 |
| (CA+MG)*100/(NA+K+CA+MG) | 14.523 | 45.890 | 73.721 | 10.573 |

第28-2表 常島地域水質一覽表(つづき)

| NO | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG)(MVAL/KG) | KRC177 | | KRC178 | | KRC179 | | KRC180 | |
|----------------------------------|---------|-------|--------|--------|--------------------|--------|---|---------|---|--------|---|----------|--------|
| | | | | | | | | | | | | | |
| K | 2.597 | 0.066 | — | — | 35.320 | 0.903 | — | 23.310 | — | 0.596 | — | 19.800 | — |
| NA | 36.610 | 1.593 | — | — | 196.700 | 8.556 | — | 130.000 | — | 5.655 | — | 174.100 | 0.506 |
| NH4 | 1.236 | 0.069 | — | — | — | — | — | 4.980 | — | 0.276 | — | 1.055 | 0.058 |
| CA | 14.870 | 0.742 | — | — | 266.100 | 13.278 | — | 11.730 | — | 0.585 | — | 206.700 | 10.314 |
| MG | 2.884 | 0.237 | — | — | 88.540 | 7.286 | — | 5.462 | — | 0.449 | — | 88.210 | 7.259 |
| FE | 0.025 | 0.001 | — | — | 2.050 | 0.073 | — | 0.321 | — | 0.011 | — | 2.210 | 0.079 |
| MN | — | — | — | — | — | — | — | — | — | — | — | 0.160 | 0.006 |
| ZN | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — | — | — | — | — | — |
| AL | 0.114 | 0.013 | — | — | 0.070 | 0.008 | — | 0.033 | — | 0.004 | — | 0.038 | 0.004 |
| CL | 4.255 | 0.120 | — | — | 143.600 | 4.051 | — | 26.850 | — | 0.758 | — | 168.600 | 4.756 |
| BR | — | — | — | — | — | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — | — | — | — | — | — |
| F | — | — | — | — | — | — | — | — | — | — | — | — | — |
| OH | 0.014 | 0.001 | — | — | — | — | — | 0.007 | — | 0.000 | — | — | — |
| S04 | 14.320 | 0.298 | — | — | 167.400 | 3.485 | — | 14.320 | — | 0.298 | — | 84.920 | 1.768 |
| S203 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| HCO3 | 137.400 | 2.252 | — | — | 1377.000 | 22.569 | — | 395.400 | — | 6.481 | — | 1103.000 | 18.078 |
| CO3 | 0.540 | 0.018 | — | — | — | — | — | 0.714 | — | 0.024 | — | 0.168 | 0.006 |
| SI02 (MG/KG) (MMOL/KG) | 63.176 | 1.135 | — | — | 163.613 | 2.724 | — | 159.342 | — | 2.653 | — | 172.384 | 2.870 |
| HB02 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| H3PO4 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| HAS02 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CO2 | 8.529 | 0.194 | — | — | 185.300 | 4.210 | — | 30.310 | — | 0.689 | — | 401.600 | 9.124 |
| H2S | — | — | — | — | — | — | — | — | — | — | — | — | — |
| RN (*E-10 CURTE/L) | 22.140 | — | — | — | — | 8.100 | — | — | — | 7.720 | — | — | 1.650 |
| NA/K | 23.973 | — | — | — | — | 9.470 | — | — | — | 9.484 | — | — | 14.953 |
| CA/(HCO3+CO3) | 0.327 | — | — | — | — | 0.588 | — | — | — | 0.570 | — | — | 0.570 |
| MG/CA | 0.520 | — | — | — | — | 0.549 | — | — | — | 0.768 | — | — | 0.704 |
| NA/CA | 2.146 | — | — | — | — | 0.644 | — | — | — | 0.661 | — | — | 0.734 |
| CL/(HCO3+CO3) | 0.053 | — | — | — | — | 0.179 | — | — | — | 0.117 | — | — | 0.263 |
| CL/F | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HCO3+CO3) | 4.465 | — | — | — | — | 13.456 | — | — | — | 10.029 | — | — | 19.328 |
| S04*100/(CL+S04+HCO3+CO3) | 11.091 | — | — | — | — | 11.577 | — | — | — | 3.943 | — | — | 7.185 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 74.444 | — | — | — | — | 74.967 | — | — | — | 86.028 | — | — | 73.487 |
| (NA+K)*100/(NA+K+CA+MG) | 62.880 | — | — | — | — | 31.508 | — | — | — | 85.798 | — | — | 31.497 |
| CA*100/(NA+K+CA+MG) | 28.125 | — | — | — | — | 44.226 | — | — | — | 8.034 | — | — | 40.207 |
| MG*100/(NA+K+CA+MG) | 8.995 | — | — | — | — | 24.267 | — | — | — | 6.169 | — | — | 28.296 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 15.556 | — | — | — | — | 25.033 | — | — | — | 13.972 | — | — | 26.513 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 84.444 | — | — | — | — | 74.967 | — | — | — | 86.028 | — | — | 73.487 |
| (NA+K)*100/(NA+K+CA+MG) | 62.880 | — | — | — | — | 31.508 | — | — | — | 85.798 | — | — | 31.497 |
| (CA+MG)*100/(NA+K+CA+MG) | 37.120 | — | — | — | — | 68.492 | — | — | — | 14.202 | — | — | 68.503 |

第28-2表 福島地域水質一覽表(つづき)

| NO | KRC181 | | | | KRC182 | | | | KRC183 | | | | KRC184 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|---------------------|--------|---------|--------|---------|-------|-------|----|--------|----|-------|---------|---------|----|---|---|----|---------|----------|-------|---------|------------------------|------|-------|---------|--------|-------|--------------------|-------|---------------|-------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LR) | H (MG/KG) (MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S2O3 | HC03 | CO3 | SI02 (MG/KG) (MMOL/KG) | HB02 | H3PO4 | HAS02 | CO2 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+S04+HC03+CO3) | S04*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) |
| | 52.2 | 1409.000 | 6.50 | 6.60 | 1.012 | 39.560 | 179.500 | 1.205 | 161.900 | 2.810 | 0.077 | - | - | - | - | 0.028 | 168.500 | - | - | - | - | 100.600 | 1009.000 | 0.135 | 187.983 | - | - | - | 572.600 | 13.009 | 2.630 | 7.716 | 0.470 | 0.864 | 0.967 | 0.276 | - | 19.768 | 8.711 | 71.521 | 36.942 | 33.837 | 29.220 | 28.479 | 71.521 | 36.942 | 63.058 |
| | 51.0 | 1480.000 | 6.62 | 6.60 | 0.913 | 35.680 | 172.400 | 0.825 | 243.900 | 2.410 | - | - | - | - | 0.043 | 164.900 | - | - | - | - | - | 132.400 | 1248.000 | 0.186 | 158.064 | - | - | - | 470.900 | 10.699 | 5.850 | 8.217 | 0.595 | 0.589 | 0.616 | 0.227 | 16.692 | 9.891 | 73.417 | 30.318 | 43.864 | 25.818 | 26.583 | 73.417 | 30.318 | 69.682 | |
| | 60.5 | 280.800 | 6.75 | 6.80 | 0.912 | 35.640 | 191.700 | 0.871 | 241.600 | 2.310 | 0.034 | - | - | - | 0.163 | 157.800 | - | - | - | - | - | 109.600 | 1296.000 | 3.613 | 166.820 | - | - | - | 58.840 | 2.778 | 3.430 | 9.147 | 0.564 | 0.554 | 0.692 | 15.844 | 8.122 | 76.034 | 33.053 | 43.076 | 23.872 | 23.966 | 76.034 | 33.053 | 66.947 | | |
| | 60.5 | 280.800 | 6.75 | 6.80 | 0.973 | 22.370 | 3.550 | 16.010 | 5.899 | 0.194 | - | - | - | - | 0.015 | 4.964 | - | - | - | - | - | 9.049 | 135.800 | 0.528 | 81.029 | - | - | - | 12.670 | 2.226 | 5.740 | 9.145 | 0.608 | 1.218 | 0.062 | 5.445 | 7.326 | 87.229 | 45.668 | 33.297 | 20.536 | 12.771 | 87.229 | 45.668 | 54.332 | | |
| | 60.5 | 280.800 | 6.75 | 6.80 | 0.106 | 4.160 | 0.973 | 0.197 | 0.799 | 0.007 | - | - | - | - | 0.002 | 0.140 | - | - | - | - | - | 0.188 | 2.226 | 0.018 | 1.349 | - | - | - | 0.288 | 0.002 | 5.740 | 9.145 | 0.356 | 0.608 | 1.218 | 0.062 | 5.445 | 7.326 | 87.229 | 45.668 | 33.297 | 20.536 | 12.771 | 87.229 | 45.668 | 54.332 | |

第 28-2 表 霧島地域水質一覧表 (つづき)

| | KRC185 | KRC186 | KRC187 | KRC188 |
|----------------------------------|----------|----------|---------|---------|
| NO | 63.5 | 61.5 | 33.5 | 43.2 |
| TEMP | 1024.000 | 1160.000 | 242.400 | 872.000 |
| TSM | 7.00 | 6.80 | 8.00 | 7.30 |
| PH(FD) | 7.00 | 6.80 | 8.00 | 7.32 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 27.410 | 33.660 | 3.168 | 43.550 |
| NA | 164.800 | 183.700 | 49.710 | 222.700 |
| NH4 | 13.980 | 15.300 | 4.660 | 8.005 |
| CA | 98.620 | 110.700 | 3.716 | 0.399 |
| MG | 24.860 | 31.200 | 1.224 | 0.777 |
| FE | 0.212 | 0.412 | 0.015 | 0.011 |
| MN | | 0.042 | 0.002 | 0.300 |
| ZN | | | | |
| CU | | | | |
| PH | | | | |
| AL | 0.102 | 0.012 | 0.170 | 0.019 |
| CL | 175.800 | 214.300 | 21.630 | 75.170 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 9.049 | 9.232 | 0.017 | 0.003 |
| S203 | | | 7.733 | 0.141 |
| HC03 | 638.200 | 705.400 | 121.200 | 593.200 |
| C03 | 0.372 | 0.234 | 0.936 | 0.771 |
| SI02 (MG/KG) (MMOL/KG) | 146.925 | 180.534 | 62.799 | 84.421 |
| HR02 | | | | |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 153.400 | 230.300 | 3.811 | 78.650 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | 3.890 | 1.730 | 1.020 | 10.520 |
| NA/K | 10.224 | 9.281 | 26.684 | 8.696 |
| CA/(HC03+C03) | 0.470 | 0.477 | 0.092 | 0.041 |
| MG/CA | 0.416 | 0.465 | 0.543 | 1.945 |
| NA/CA | 1.457 | 1.447 | 11.662 | 24.252 |
| CL/(HC03+C03) | 0.474 | 0.523 | 0.302 | 0.218 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 31.749 | 33.950 | 21.879 | 17.657 |
| S04*100/(CL+S04+HC03+C03) | 1.206 | 1.079 | 5.773 | 1.171 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 67.045 | 64.971 | 72.348 | 81.172 |
| (NA+K)*100/(NA+K+CA+MG) | 53.043 | 52.245 | 88.688 | 90.180 |
| CA*100/(NA+K+CA+MG) | 33.168 | 32.602 | 7.330 | 3.335 |
| MG*100/(NA+K+CA+MG) | 13.788 | 15.153 | 3.982 | 6.485 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 32.955 | 35.029 | 27.652 | 18.828 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 67.045 | 64.971 | 72.348 | 81.172 |
| (NA+K)*100/(NA+K+CA+MG) | 53.043 | 52.245 | 88.688 | 90.180 |
| (CA+MG)*100/(NA+K+CA+MG) | 46.957 | 47.755 | 11.312 | 9.820 |

第28-2表 瀨島地域水質一覧表 (つづき)

| | KRC189 | KRC190 | KRC191 | KRC192 |
|----------------------------------|---------|----------|---------|---------|
| NO | 49.5 | 54.0 | 44.2 | 42.0 |
| TEMP | 905.260 | 1146.000 | 856.400 | 663.200 |
| TSM | 7.60 | 7.60 | 7.60 | 7.80 |
| PH(FD) | 7.60 | 7.65 | 7.62 | 7.80 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 35.250 | 51.480 | 31.680 | 27.260 |
| NA | 238.100 | 269.400 | 241.400 | 189.700 |
| NH4 | 0.502 | - | 0.425 | - |
| CA | 8.291 | 9.720 | 7.719 | 7.433 |
| MG | 7.516 | 6.817 | 5.681 | 5.506 |
| FE | 0.270 | 0.400 | 0.298 | 0.394 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.138 | 0.1143 | 0.163 | 0.188 |
| CL | 114.900 | 97.150 | 72.690 | 77.300 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.007 | 0.007 | 0.007 | 0.010 |
| S04 | 13.660 | 8.559 | 7.407 | 14.490 |
| S203 | - | - | - | - |
| HC03 | 535.300 | 677.300 | 607.800 | 447.300 |
| C03 | 1.509 | 2.571 | 1.551 | 1.647 |
| SI02 (MG/KG)(MMOL/KG) | 71.201 | 98.059 | 86.000 | 64.037 |
| HR02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 38.470 | 41.880 | 39.490 | 17.210 |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | 7.020 | 7.670 | 6.410 | 7.290 |
| NA/K | 11.487 | 8.899 | 12.958 | 11.834 |
| CA/(HC03+C03) | 0.047 | 0.043 | 0.038 | 0.050 |
| MG/CA | 1.495 | 1.157 | 1.214 | 1.222 |
| NA/CA | 25.035 | 24.161 | 27.262 | 22.248 |
| CL/(HC03+C03) | 0.367 | 0.245 | 0.205 | 0.295 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 26.246 | 19.429 | 16.783 | 22.097 |
| S04*100/(CL+S04+HC03+C03) | 2.303 | 1.263 | 1.262 | 3.057 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 71.451 | 79.307 | 81.955 | 74.846 |
| (NA+K)*100/(NA+K+CA+MG) | 91.602 | 92.572 | 92.990 | 91.569 |
| CA*100/(NA+K+CA+MG) | 3.366 | 3.444 | 3.167 | 3.795 |
| MG*100/(NA+K+CA+MG) | 5.032 | 3.984 | 3.843 | 4.636 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 28.549 | 20.693 | 18.045 | 25.154 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 71.451 | 79.307 | 81.955 | 74.846 |
| (NA+K)*100/(NA+K+CA+MG) | 91.602 | 92.572 | 92.990 | 91.569 |
| (CA+MG)*100/(NA+K+CA+MG) | 8.398 | 7.428 | 7.010 | 8.431 |

第28-2表 高島地域水質一覧表 (つつき)

| | KRC193 | KRC194 | KRC195 | KRC196 |
|----------------------------------|----------|----------|----------|---------|
| NO | 44.4 | 32.0 | 34.6 | 54.5 |
| TEMP | 1635.000 | 1272.000 | 1269.000 | 862.200 |
| TSM | 6.05 | 6.20 | 5.70 | 8.10 |
| PH(FD) | 6.0% | 6.20 | 5.75 | 8.10 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | TP | 0.002 | 0.002 |
| K | 45.740 | 38.890 | 0.993 | 1.671 |
| NA | 168.800 | 161.300 | 7.017 | 6.964 |
| NH4 | | | | |
| CA | 211.600 | 206.700 | 10.314 | 7.989 |
| MG | 67.710 | 84.520 | 6.955 | 2.709 |
| FE | 1.680 | 1.860 | 0.066 | 0.059 |
| MN | | 0.394 | 0.014 | 0.014 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.325 | 0.075 | 0.008 | 0.024 |
| CL | 173.900 | 141.800 | 4.000 | 3.907 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 50.720 | 86.920 | 1.810 | 0.022 |
| S203 | | | | 40.170 |
| HCO3 | 1145.000 | 1181.000 | 19.357 | 53.760 |
| CO3 | 9.180 | 0.180 | 0.006 | 0.396 |
| SI02 (MG/KG) (MMOL/KG) | 128.050 | 142.363 | 2.370 | 135.239 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | 543.100 | 570.800 | 12.969 | 1.264 |
| RN (*E=10 CURIE/L) | 9.220 | 6.120 | 6.910 | 148.000 |
| NA/K | 6.276 | 7.070 | 4.167 | 16.806 |
| CA/(HCO3+CO3) | 0.562 | 0.533 | 0.453 | 1.587 |
| MG/CA | 0.328 | 0.674 | 0.826 | 0.157 |
| NA/CA | 0.695 | 0.680 | 0.872 | 6.183 |
| CL/(HCO3+CO3) | 0.261 | 0.207 | 0.222 | 10.280 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 19.834 | 15.891 | 16.754 | 84.158 |
| S04*100/(CL+S04+HCO3+CO3) | 4.269 | 7.189 | 7.612 | 7.656 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 75.897 | 76.920 | 75.634 | 8.187 |
| (NA+K)*100/(NA+K+CA+MG) | 34.544 | 31.683 | 37.191 | 84.990 |
| CA*100/(NA+K+CA+MG) | 42.846 | 40.803 | 34.405 | 12.973 |
| MG*100/(NA+K+CA+MG) | 22.610 | 27.514 | 28.404 | 2.037 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 24.103 | 23.080 | 24.366 | 91.813 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 75.897 | 76.920 | 75.634 | 8.187 |
| (NA+K)*100/(NA+K+CA+MG) | 34.544 | 31.683 | 37.191 | 84.990 |
| (CA+MG)*100/(NA+K+CA+MG) | 65.456 | 68.317 | 62.809 | 15.010 |

第28-2表 森島地域水質一覽表(つづき)

| | KRC197 | KRC198 | KRC199 | KRC200 |
|----------------------------------|---------|----------|----------|----------|
| NO | 46.5 | 48.8 | 43.0 | 49.1 |
| TEMP | 973.600 | 1197.000 | 1145.000 | 1720.000 |
| TSM | 8.03 | 7.00 | 6.80 | 6.70 |
| PH(FD) | 8.34 | 7.03 | 7.02 | 6.65 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 33.660 | 53.080 | 40.850 | 32.670 |
| NA | 281.700 | 345.300 | 313.700 | 193.700 |
| NH4 | | | | 1.248 |
| CA | 24.300 | 21.160 | 24.300 | 280.800 |
| MG | 13.630 | 10.230 | 11.270 | 93.840 |
| FF | 0.099 | 0.235 | 0.189 | 7.722 |
| MN | TR. | 0.178 | 0.155 | 0.650 |
| ZN | | | | 0.006 |
| CU | | | | 0.025 |
| PB | | | | |
| AL | 0.230 | 0.275 | 0.245 | 0.170 |
| CL | 91.160 | 96.230 | 2.715 | 160.400 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 10.370 | 2.210 | 1.648 | 159.200 |
| S203 | | | | |
| HC03 | 763.900 | 948.200 | 863.400 | 1418.000 |
| C03 | 4.813 | 0.160 | 0.246 | |
| SI02 (MG/KG)(MMOL/KG) | 112.302 | 128.011 | 112.302 | 191.057 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 19.610 | 0.446 | 125.100 | 342.300 |
| H2S | | | | |
| RN (#E-10 CURIE/L) | 8.650 | 1.670 | 3.240 | 0.590 |
| NA/K | 14.232 | 11.063 | 13.059 | 10.083 |
| CA/(HC03+C03) | 0.096 | 0.068 | 0.086 | 0.603 |
| MG/CA | 0.925 | 0.797 | 0.765 | 0.551 |
| NA/CA | 16.106 | 14.226 | 11.254 | 0.601 |
| CL/(HC03+C03) | 0.203 | 0.175 | 0.188 | 0.195 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 16.625 | 14.833 | 15.821 | 14.559 |
| S04*100/(CL+S04+HC03+C03) | 1.386 | 0.251 | 0.203 | 10.664 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.979 | 84.916 | 83.976 | 74.777 |
| (NA+K)*100/(NA+K+CA+MG) | 84.891 | 89.616 | 87.285 | 29.880 |
| CA*100/(NA+K+CA+MG) | 7.869 | 5.777 | 7.204 | 45.206 |
| MG*100/(NA+K+CA+MG) | 7.260 | 4.606 | 5.510 | 24.913 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 18.021 | 15.084 | 16.024 | 25.223 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.979 | 84.916 | 83.976 | 74.777 |
| (NA+K)*100/(NA+K+CA+MG) | 84.891 | 89.616 | 87.285 | 29.880 |
| (CA+MG)*100/(NA+K+CA+MG) | 15.109 | 10.384 | 12.715 | 70.120 |

第28-2表 霧島地感水質一覧表 (つづき)

| | KRC205 | KRC206 | KRC207 | KRC208 |
|----------------------------------|----------|---------|---------|----------|
| NO | 47.0 | 66.5 | 58.0 | 49.5 |
| TEMP | 1009.000 | 102.400 | 222.600 | 1464.000 |
| TSM | 8.20 | 6.70 | 6.00 | 6.42 |
| PH(FD) | 8.21 | 6.72 | 6.32 | 6.70 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 29.360 | 1.061 | 1.537 | 43.940 |
| Na | 289.700 | 9.978 | 14.600 | 149.500 |
| NH4 | 0.483 | - | - | 2.200 |
| Ca | 88.050 | 10.860 | 19.300 | 314.200 |
| Mg | 2.972 | 3.496 | 3.889 | 102.400 |
| FE | 0.081 | 0.245 | 0.320 | 2.750 |
| MN | 0.049 | 0.003 | 0.021 | 0.098 |
| ZN | - | 0.002 | - | 0.005 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.014 | 0.090 | 0.070 | 0.430 |
| CL | 74.280 | 3.883 | 29.850 | 154.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | 0.027 | - | - | - |
| S04 | 17.120 | 27.450 | 30.130 | 107.000 |
| S203 | - | 13.420 | 8.982 | - |
| HC03 | 924.400 | 23.540 | 19.330 | 1541.000 |
| C03 | 7.645 | 0.255 | - | 4.050 |
| SI02 (MG/KG) (MMOL/KG) | 133.982 | 58.141 | 46.000 | 146.512 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 12.360 | 11.350 | 54.460 | 659.300 |
| H2S | - | 0.361 | 1.405 | - |
| RN (*E-10 CURIE/L) | 1.700 | 7.250 | 12.480 | 3.750 |
| NA/K | 16.780 | 15.993 | 16.154 | 5.786 |
| CA/(HC03+C03) | 0.285 | 1.405 | 3.040 | 0.617 |
| MG/CA | 0.056 | 0.531 | 0.332 | 0.537 |
| NA/GA | 2.868 | 0.801 | 0.659 | 0.415 |
| CL/(HC03+C03) | 0.136 | 0.284 | 2.658 | 0.172 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 11.734 | 10.267 | 47.143 | 13.652 |
| S04*100/(CL+S04+HC03+C03) | 1.996 | 53.569 | 35.120 | 6.965 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.270 | 36.164 | 17.737 | 79.383 |
| (NA+K)*100/(NA+K+CA+MG) | 74.219 | 35.729 | 34.453 | 24.036 |
| CA*100/(NA+K+CA+MG) | 24.421 | 41.199 | 49.199 | 49.409 |
| MG*100/(NA+K+CA+MG) | 1.359 | 22.288 | 16.349 | 26.555 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 13.730 | 63.836 | 82.263 | 20.617 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 86.270 | 36.164 | 17.737 | 79.383 |
| (NA+K)*100/(NA+K+CA+MG) | 74.219 | 35.729 | 34.453 | 24.036 |
| (CA+MG)*100/(NA+K+CA+MG) | 25.781 | 64.271 | 65.547 | 75.964 |

第28-2表 露島地蔵水質一覽表 (つづき)

| NO | KRC209 | | | KRC210 | | | KRC211 | | | KRC212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------|----------|--------|--------|---------------------|--------|--------|-------|-------|--------|-------|----|----|----|-------|--------|--------|-------|---|---|-------|-------|---------|---------|---------|------------------------|---------|-------|--------|----------|-------|--------------------|-------|---------------|--------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|--------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG) (MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | SO4 | S2O3 | HCO3 | CO3 | SI02 (MG/KG) (MMOL/KG) | HR02 | H3PO4 | HAS02 | C02 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+S04+HC03+CO3) | S04*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+CO3) | (HC03+CO3)*100/(CL+S04+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | (CA+MG)*100/(NA+K+CA+MG) |
| | 46.0 | 1153.000 | 7.52 | 7.35 | 94.500 | 2.417 | 12.076 | 0.044 | 1.733 | 1.647 | 0.035 | - | - | - | - | 0.610 | 98.960 | 2.792 | - | - | - | 0.034 | 1.643 | 3.967 | 918.600 | 91.656 | - | - | - | 1.66.800 | 3.790 | 6.360 | 4.995 | 0.114 | 0.950 | 6.968 | 0.134 | 15.497 | 0.150 | 84.313 | 81.090 | 9.697 | 9.213 | 15.687 | 84.313 | 81.090 | 1.8.910 | |
| | 54.2 | 1106.000 | 7.90 | 7.95 | 75.610 | 1.934 | 12.224 | 0.077 | 1.389 | 0.098 | 0.032 | - | - | - | 0.570 | 93.570 | 2.840 | - | - | - | 0.045 | 2.142 | 4.039 | 758.600 | 12.433 | 126.223 | 121.529 | - | - | 27.820 | 0.632 | 14.030 | 6.320 | 0.040 | 24.398 | 0.210 | 17.306 | 0.292 | 82.401 | 93.776 | 3.318 | 2.906 | 17.599 | 82.401 | 93.776 | 1.8.910 | | |
| | 52.5 | 1152.000 | 7.60 | 7.60 | 281.000 | 1.390 | 10.040 | 0.501 | 5.331 | 0.004 | 0.045 | - | - | - | 0.630 | 91.760 | 2.589 | - | - | - | 0.045 | 2.142 | 4.039 | 834.700 | 13.681 | 151.204 | 151.204 | - | - | 57.150 | 0.119 | 8.050 | 2.900 | 0.036 | 22.584 | 0.187 | 15.741 | 0.271 | 83.987 | 94.030 | 3.096 | 2.875 | 16.013 | 83.987 | 94.030 | 5.970 | | |
| | 1152.000 | 7.60 | 7.60 | 60.250 | 3.921 | 11.371 | 0.077 | 1.390 | 5.681 | 0.006 | 0.002 | - | - | - | 0.050 | 88.170 | 2.487 | - | - | - | 0.007 | 4.565 | 950.800 | 1.142 | 151.204 | 151.204 | - | - | 57.150 | 0.119 | 2.600 | 10.028 | 0.053 | 18.681 | 0.159 | 13.663 | 0.522 | 85.815 | 92.739 | 4.514 | 2.747 | 14.185 | 85.815 | 92.739 | 7.261 | | | |

第28-2表 高島地蔵水質一覽表(つづき)

| | KRC213 | KRC214 | KRC215 | KRC216 |
|----------------------------------|----------|----------|----------|---------|
| NO | 43.0 | 47.0 | 57.3 | 65.0 |
| TEMP | 1262.000 | 1286.000 | 1657.000 | 135.600 |
| TSM | 7.30 | 6.30 | 6.40 | 6.60 |
| PH(FD) | 7.50 | 6.30 | 6.40 | 6.50 |
| PH(CLB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 35.450 | 34.240 | 16.260 | 4.300 |
| NA | 413.700 | 200.000 | 212.200 | 9.421 |
| NH4 | 0.732 | 1.465 | 2.563 | 0.538 |
| CA | 20.870 | 134.500 | 210.100 | 8.150 |
| MG | 14.290 | 60.440 | 91.290 | 5.900 |
| FE | 0.210 | 2.400 | 4.800 | 0.486 |
| MN | 0.950 | 0.210 | 0.210 | 0.008 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.120 | 0.301 | 0.400 | 1.077 |
| CL | 71.980 | 128.100 | 166.300 | 2.943 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 17.000 | 56.250 | 80.860 | 31.890 |
| S203 | | | | 0.101 |
| HC03 | 1152.600 | 987.200 | 1263.000 | 97.630 |
| C03 | 0.690 | 0.023 | 1.350 | 0.045 |
| SI02 (MG/KG) (MMOL/KG) | 98.168 | 169.698 | 176.892 | 33.451 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| C02 | 138.600 | 1187.000 | 1217.000 | 47.880 |
| H2S | | | | 0.985 |
| RN (*F-10 CURIE/L) | 4.200 | 6.900 | 1.500 | 2.600 |
| NA/K | 19.845 | 9.933 | 22.193 | 3.827 |
| CA/(HC03+C03) | 0.055 | 0.415 | 0.505 | 0.254 |
| MG/CA | 1.129 | 0.741 | 0.717 | 1.194 |
| NA/CA | 17.280 | 1.296 | 0.880 | 1.035 |
| CL/(HC03+C03) | 0.107 | 0.223 | 0.226 | 0.052 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 9.534 | 17.237 | 17.298 | 3.537 |
| S04*100/(CL+S04+HC03+C03) | 1.662 | 5.586 | 6.208 | 28.288 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 88.804 | 77.177 | 76.494 | 68.175 |
| (NA+K)*100/(NA+K+CA+MG) | 89.501 | 45.040 | 34.897 | 37.308 |
| CA*100/(NA+K+CA+MG) | 4.931 | 31.567 | 37.927 | 28.577 |
| MG*100/(NA+K+CA+MG) | 5.563 | 23.393 | 27.176 | 34.115 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 11.196 | 22.823 | 23.506 | 31.825 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 88.804 | 77.177 | 76.494 | 68.175 |
| (NA+K)*100/(NA+K+CA+MG) | 89.501 | 45.040 | 34.897 | 37.308 |
| (CA+MG)*100/(NA+K+CA+MG) | 10.499 | 54.960 | 65.103 | 62.692 |

第28-2表 霧島地域水質一覧表(つづき)

| | KRC217 | KRC218 | KRC219 | KRC220 |
|----------------------------------|--------|----------|----------|---------|
| NO | 39.5 | 49.0 | 45.0 | 57.0 |
| TEMP | 96.200 | 1588.000 | 1101.000 | 368.000 |
| TSM | 7.80 | 7.80 | 6.10 | 6.20 |
| PH(FD) | 8.60 | 7.50 | 6.20 | 6.30 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 7.820 | 98.600 | 9.046 | 11.700 |
| NA | 13.380 | 157.600 | 154.900 | 50.000 |
| NH4 | | | | |
| CA | 0.782 | 134.500 | 98.910 | 22.080 |
| MG | 2.816 | 40.350 | 57.070 | 3.846 |
| FE | 0.045 | 1.024 | 1.871 | 0.530 |
| MN | - | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.983 | 1.077 | 0.650 | 0.550 |
| CL | 4.328 | 144.700 | 99.480 | 30.800 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 3.007 | 29.060 | 41.320 | 60.670 |
| S2O3 | - | - | - | - |
| HC03 | 62.130 | 905.700 | 794.200 | 119.600 |
| C03 | - | - | 0.030 | - |
| SI02 (MG/KG)(MMOL/KG) | 40.287 | 203.264 | 121.272 | 37.615 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | 0.017 | 0.375 | 0.219 | 0.025 |
| C02 | 2.390 | 43.560 | 1527.000 | 181.400 |
| H2S | - | - | - | 0.359 |
| RN (*F-10 CURIE/L) | 7.500 | 1.000 | 9.300 | 12.500 |
| NA/K | 3.018 | 2.718 | 29.119 | 7.267 |
| CA/(HC03+C03) | 0.038 | 0.452 | 0.379 | 0.562 |
| MG/CA | 5.517 | 0.495 | 0.952 | 0.287 |
| NA/CA | 15.473 | 1.021 | 1.365 | 1.974 |
| CL/(HC03+C03) | 0.120 | 0.275 | 0.216 | 0.443 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 10.149 | 20.900 | 16.820 | 21.232 |
| S04*100/(CL+S04+HC03+C03) | 5.204 | 3.098 | 5.156 | 30.867 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.647 | 76.003 | 78.024 | 47.901 |
| (NA+K)*100/(NA+K+CA+MG) | 75.967 | 48.315 | 41.982 | 63.564 |
| CA*100/(NA+K+CA+MG) | 3.688 | 34.578 | 29.730 | 28.305 |
| MG*100/(NA+K+CA+MG) | 20.345 | 17.107 | 25.288 | 8.131 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 15.353 | 23.997 | 21.976 | 52.099 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 84.647 | 76.003 | 78.024 | 47.901 |
| (NA+K)*100/(NA+K+CA+MG) | 75.967 | 48.315 | 41.982 | 63.564 |
| (CA+MG)*100/(NA+K+CA+MG) | 24.033 | 51.685 | 58.018 | 36.436 |

第 28-2 表 霧島地域水質一覽表 (つづき)

| | KRC221 | KRC222 | KRC223 | KRC224 |
|----------------------------------|---------|---------|----------|---------|
| NO | 59.0 | 91.5 | 56.0 | 31.0 |
| TEMP | 300.600 | 435.000 | 1053.000 | 420.000 |
| TSM | 7.80 | 7.60 | 7.40 | 7.50 |
| PH(FD) | 7.80 | 7.60 | 7.40 | 7.50 |
| PH(CLR) | 7.80 | 7.60 | 7.40 | 7.50 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1.620 | 0.041 | 0.272 | 0.794 |
| Na | 17.900 | 0.779 | 1.580 | 13.920 |
| NH4 | | | 31.050 | 19.770 |
| CA | 33.160 | 1.655 | 4.293 | 84.960 |
| MG | 7.790 | 0.641 | 2.842 | 25.620 |
| FE | 0.350 | 0.013 | 0.436 | 8.234 |
| MN | 0.322 | 0.012 | 0.265 | 0.680 |
| ZN | | 0.012 | 0.160 | 0.024 |
| CU | | | 0.033 | 0.001 |
| PB | | | | |
| AL | 0.945 | 0.105 | 0.219 | 0.304 |
| CL | 5.040 | 0.142 | 0.331 | 0.722 |
| BR | | | 92.370 | 25.590 |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 22.310 | 0.464 | 1.196 | 5.268 |
| S203 | | | 5.597 | 0.110 |
| HC03 | 158.800 | 2.603 | 745.000 | 345.200 |
| C03 | | | 0.441 | 5.658 |
| SI02 (MG/KG) (MMOL/KG) | 115.046 | 1.916 | 142.737 | 20.327 |
| HB02 | | | 2.212 | 0.338 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 5.117 | 0.116 | 0.202 | 0.603 |
| H2S | | | 89.350 | 26.560 |
| RN (*E-10 CURIE/L) | 10.400 | 6.800 | 10.100 | 8.800 |
| NA/K | 18.790 | 5.812 | 17.926 | 7.308 |
| CA/(HC03+C03) | 0.636 | 0.681 | 0.018 | 0.226 |
| MG/CA | 0.387 | 0.263 | 1.092 | 0.530 |
| NA/CA | 0.471 | 0.954 | 64.980 | 2.891 |
| CL/(HC03+C03) | 0.055 | 0.136 | 0.213 | 0.128 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 4.430 | 8.371 | 17.433 | 11.124 |
| S04*100/(CL+S04+HC03+C03) | 14.473 | 30.206 | 0.780 | 1.690 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.097 | 61.423 | 81.788 | 87.186 |
| (NA+K)*100/(NA+K+CA+MG) | 26.320 | 46.949 | 97.045 | 68.234 |
| CA*100/(NA+K+CA+MG) | 53.106 | 41.992 | 1.413 | 20.762 |
| MG*100/(NA+K+CA+MG) | 20.574 | 11.059 | 1.542 | 11.004 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 18.903 | 38.577 | 18.212 | 12.814 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 81.097 | 61.423 | 81.788 | 87.186 |
| (NA+K)*100/(NA+K+CA+MG) | 26.320 | 46.949 | 97.045 | 68.234 |
| (CA+MG)*100/(NA+K+CA+MG) | 73.680 | 53.051 | 2.955 | 31.766 |

第28-2表 霧島地域水質一覧表 (つづき)

| NO | KRC225 | | | KRC226 | | | KRC227 | | | KRC228 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----------|----------|--------|--------|--------------------|----------|--------|-------|-------|--------|----|----|----|----|-------|--------|--------|--------|-------|-------|--------|--------|------|------|--------|-----------------------|------|--------|--------|-----|-------|--------------------|-------|---------------|-------|--------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(PD) | PH(LB) | H (MG/KG)(MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | S04 | S203 | HC03 | C03 | SI02 (MG/KG)(MMOL/KG) | HB02 | H3P04 | HAS02 | C02 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+C03) | MG/CA | NA/CA | CL/(HC03+C03) | CL/F | CL*100/(CL+S04+HC03+C03) | SO4*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+S04)*100/(CL+S04+HC03+C03) | (HC03+C03)*100/(CL+S04+HC03+C03) | (NA+K)*100/(NA+K+CA+MG) |
| | 90.0 | 159.000 | 6.20 | 6.20 | 4.195 | 10.070 | 19.150 | 5.768 | 0.675 | - | - | - | - | - | 2.394 | 14.420 | - | - | - | - | 55.100 | 64.680 | - | - | 43.804 | - | - | 97.970 | 10.457 | - | 5.200 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 47.0 | 755.000 | 7.70 | 7.70 | 0.107 | 0.438 | 0.956 | 0.475 | 0.024 | - | - | - | - | - | 0.266 | 0.407 | - | - | - | - | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 2.865 | 0.028 | 0.274 | 0.441 | 0.201 | - | 16.126 | 3.720 | 80.155 | 97.085 | 2.289 | 0.626 | 19.845 | 80.155 | 97.085 | 2.915 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 1300.000 | 7.20 | 7.20 | 7.20 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | - | - | 0.540 | 0.664 | - | - | 2.198 | - | - | 0.000 | 0.307 | - | 4.500 | 2.708 | 1.774 | 1.090 | 6.438 | 14.408 | - | 92.000 | 1.615 | 6.385 | 76.281 | 11.348 | 12.371 | 93.615 | 6.385 | 76.281 | 23.719 |
| | 52.5 | 1300.000 | 7.20 | 7.20 | 0.438 | 1.52.200 | 4.220 | 0.700 | 0.258 | - | - | - | - | - | 0.250 | 52.920 | 14.420 | 19.150 | 5.768 | 0.675 | 0.731 | 1.060 | - | - | 0.729 | - | - | 2.226 | 0.307 | - | 4.000 | 4.092 | 0.901 | 0.497 | 0.458 | 0.384 | - | 18.510 | 33.253 | 48.238 | 27.605 | 48.370 | 24.026 | 51.762 | 48.238 | 77.605 | 72.395 |
| | 51.0 | 1150.000 | 8.80 | 8.40 | 0.211 | 0.621 | 0.211 | 0.058 | 0.009 | - | - | - | - | - | 0.028 | 1.493 | 52.920 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

第28-2表 霧島地蔵水質一覽表 (つづき)

| NO | KRC229 | | | KRC230 | | | KRC231 | | | KRC232 | | |
|----------------------------------|---------|----------|----------|----------|----------|---------|--------|---------|--------|--------|------|--|
| | 48.0 | 46.0 | 51.0 | 46.0 | 1226.000 | 51.0 | 46.5 | 949.600 | 46.5 | 8.30 | 8.10 | |
| TEMP | 1/2.900 | 1052.000 | 1226.000 | 1052.000 | 8.60 | 6.40 | 8.30 | 8.30 | 8.30 | 8.30 | 8.10 | |
| TSM | 6.80 | 8.20 | 6.60 | 8.20 | 6.60 | 6.60 | 8.30 | 8.30 | 8.30 | 8.30 | 8.10 | |
| PH(FD) | 6.80 | 8.20 | 6.60 | 8.20 | 6.60 | 6.60 | 8.30 | 8.30 | 8.30 | 8.30 | 8.10 | |
| PH(LB) | 6.80 | 8.20 | 6.60 | 8.20 | 6.60 | 6.60 | 8.30 | 8.30 | 8.30 | 8.30 | 8.10 | |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 3.327 | 82.430 | 2.109 | 82.430 | 2.109 | 34.760 | 0.889 | 54.120 | 1.384 | 1.384 | | |
| NA | 10.540 | 301.100 | 13.098 | 301.100 | 13.098 | 160.400 | 6.977 | 257.100 | 11.184 | 11.184 | | |
| NH4 | 1.443 | — | — | — | — | 0.990 | 0.055 | 0.990 | 0.055 | 0.055 | | |
| CA | 10.830 | 4.950 | 0.247 | 4.950 | 0.247 | 121.800 | 6.078 | 45.650 | 2.268 | 2.268 | | |
| MG | 3.041 | 3.657 | 0.301 | 3.657 | 0.301 | 72.760 | 5.987 | 6.293 | 0.518 | 0.518 | | |
| FE | 0.276 | 0.065 | 0.002 | 0.065 | 0.002 | 6.550 | 0.235 | 0.090 | 0.003 | 0.003 | | |
| MN | 0.031 | — | — | — | — | — | — | 0.031 | 0.001 | 0.001 | | |
| ZN | — | — | — | — | — | — | — | — | — | — | | |
| CU | — | — | — | — | — | — | — | — | — | — | | |
| PB | — | — | — | — | — | — | — | — | — | — | | |
| AL | 0.586 | 0.210 | 0.023 | 0.210 | 0.023 | 0.643 | 0.071 | 0.783 | 0.087 | 0.087 | | |
| CL | 9.752 | 54.250 | 1.530 | 54.250 | 1.530 | 132.500 | 3.738 | 95.840 | 2.704 | 2.704 | | |
| BR | — | — | — | — | — | — | — | — | — | — | | |
| I | — | — | — | — | — | — | — | — | — | — | | |
| F | — | — | — | — | — | — | — | — | — | — | | |
| OH | — | — | — | — | — | — | — | — | — | — | | |
| SO4 | 19.100 | 3.704 | 0.077 | 3.704 | 0.077 | 67.630 | 1.408 | 7.490 | 0.156 | 0.156 | | |
| S2O3 | — | — | — | — | — | — | — | — | — | — | | |
| HC03 | 55.220 | 823.700 | 13.500 | 823.700 | 13.500 | 916.500 | 15.021 | 759.700 | 12.451 | 12.451 | | |
| CO3 | 0.010 | 14.580 | 0.486 | 14.580 | 0.486 | 0.069 | 0.002 | 0.519 | 0.017 | 0.017 | | |
| ST02 (MG/KG) (MMOL/KG) | 27.002 | 136.784 | 2.277 | 136.784 | 2.277 | 202.813 | 3.377 | 110.355 | 1.837 | 1.837 | | |
| HB02 | — | — | — | — | — | — | — | — | — | — | | |
| H3PO4 | — | — | — | — | — | — | — | — | — | — | | |
| HAS02 | 1.078 | 0.007 | 0.000 | 0.007 | 0.000 | 0.011 | 0.000 | — | — | — | | |
| CO2 | TR. | 7.398 | 0.168 | 7.398 | 0.168 | 881.400 | 20.025 | 22.120 | 0.503 | 0.503 | | |
| H2S | — | — | — | — | — | — | — | — | — | — | | |
| BN (*E=10 CURIE/L) | 3.130 | 1.560 | 5.490 | 1.560 | 5.490 | — | — | — | — | — | | |
| NA/K | 5.541 | 6.212 | 7.847 | 6.212 | 7.847 | — | — | — | — | — | | |
| CA/(HC03+CO3) | 0.597 | 0.018 | 0.405 | 0.018 | 0.405 | — | — | — | — | — | | |
| MG/CA | 0.463 | 1.218 | 0.985 | 1.218 | 0.985 | — | — | — | — | — | | |
| NA/CA | 0.873 | 53.027 | 1.148 | 53.027 | 1.148 | — | — | — | — | — | | |
| CL/(HC03+CO3) | 0.304 | 0.109 | 0.249 | 0.304 | 0.249 | — | — | — | — | — | | |
| CL/F | — | — | — | — | — | — | — | — | — | — | | |
| CL*100/(CL+S04+HC03+CO3) | 17.432 | 9.814 | 18.532 | 17.432 | 9.814 | — | — | — | — | — | | |
| S04*100/(CL+S04+HC03+CO3) | 25.198 | 0.495 | 6.981 | 25.198 | 0.495 | — | — | — | — | — | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 57.370 | 89.691 | 74.487 | 57.370 | 89.691 | — | — | — | — | — | | |
| (NA+K)*100/(NA+K+CA+MG) | 41.315 | 96.522 | 39.467 | 41.315 | 96.522 | — | — | — | — | — | | |
| CA*100/(NA+K+CA+MG) | 40.111 | 1.568 | 30.493 | 40.111 | 1.568 | — | — | — | — | — | | |
| MG*100/(NA+K+CA+MG) | 18.574 | 1.910 | 30.040 | 18.574 | 1.910 | — | — | — | — | — | | |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 42.630 | 10.309 | 25.513 | 42.630 | 10.309 | — | — | — | — | — | | |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 57.370 | 89.691 | 74.487 | 57.370 | 89.691 | — | — | — | — | — | | |
| (NA+K)*100/(NA+K+CA+MG) | 41.315 | 96.522 | 39.467 | 41.315 | 96.522 | — | — | — | — | — | | |
| (CA+MG)*100/(NA+K+CA+MG) | 58.685 | 3.478 | 60.533 | 58.685 | 3.478 | — | — | — | — | — | | |

第 28-3 表 蒭島地域特定成分含量の頻度分布表

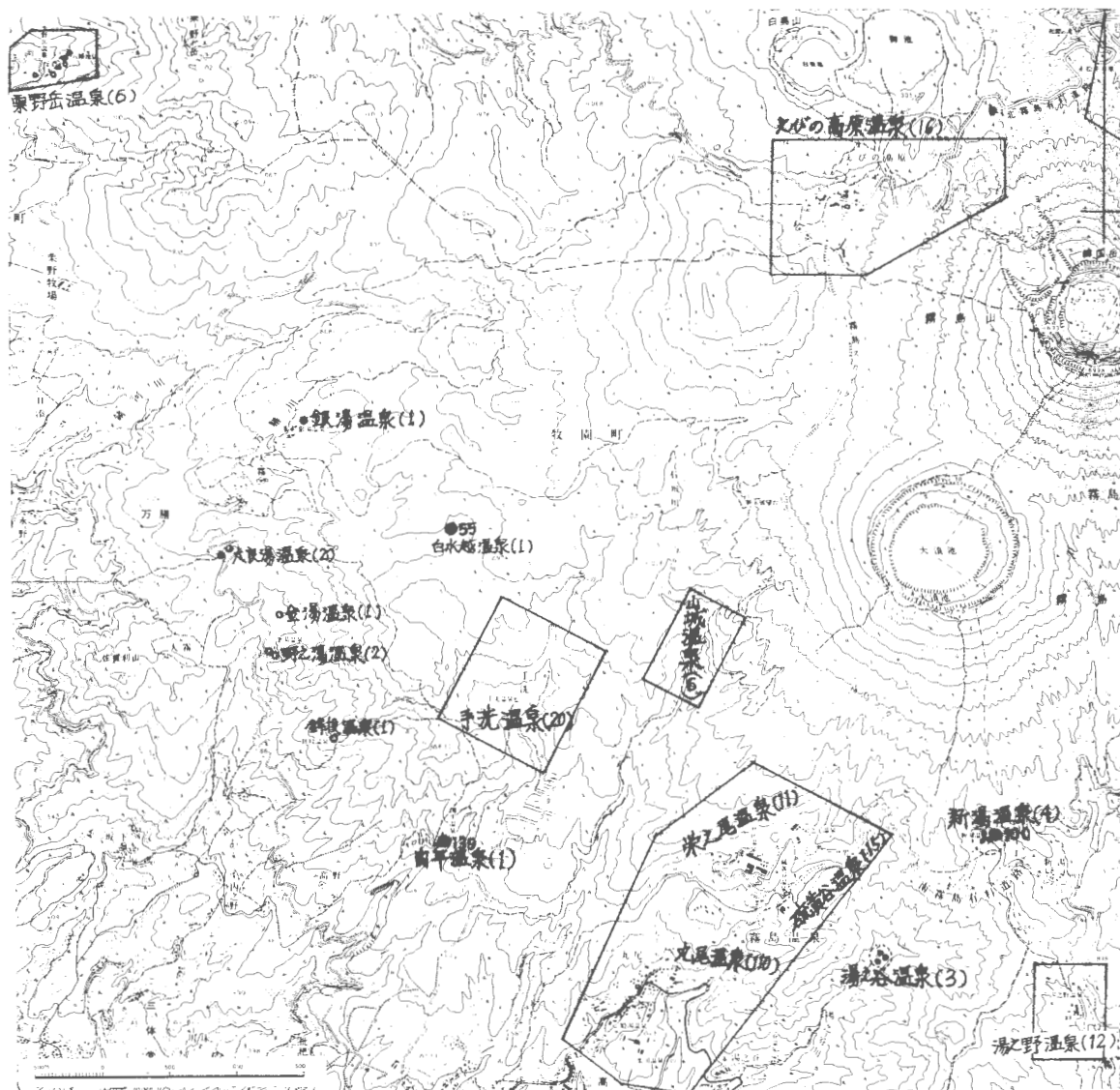
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

| ZN | N | F(%) | CU | N | F(%) |
|----------|-----|-------|--------|-----|-------|
| ND | 232 | 100.0 | ND | 228 | 98.3 |
| <0.500 | 0 | 0. | <0.300 | 4 | 1.7 |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 232 | 100.0 | TOTAL | 232 | 100.0 |
| PR | N | F(%) | AS | N | F(%) |
| ND | 232 | 100.0 | ND | 191 | 82.3 |
| <0.100 | 0 | 0. | <0.050 | 12 | 5.2 |
| <1.000 | 0 | 0. | <0.500 | 19 | 8.2 |
| >1.000 | 0 | 0. | <5.000 | 9 | 3.9 |
| TOTAL | 232 | 100.0 | >5.000 | 1 | 0.4 |
| HPS | N | F(%) | TOTAL | 232 | 100.0 |
| ND | 126 | 89.2 | | | |
| < 1.000 | 7 | 3.0 | | | |
| < 10.000 | 22 | 9.5 | | | |
| <100.000 | 17 | 7.3 | | | |
| >100.000 | 0 | 0. | | | |
| TOTAL | 232 | 100.0 | | | |

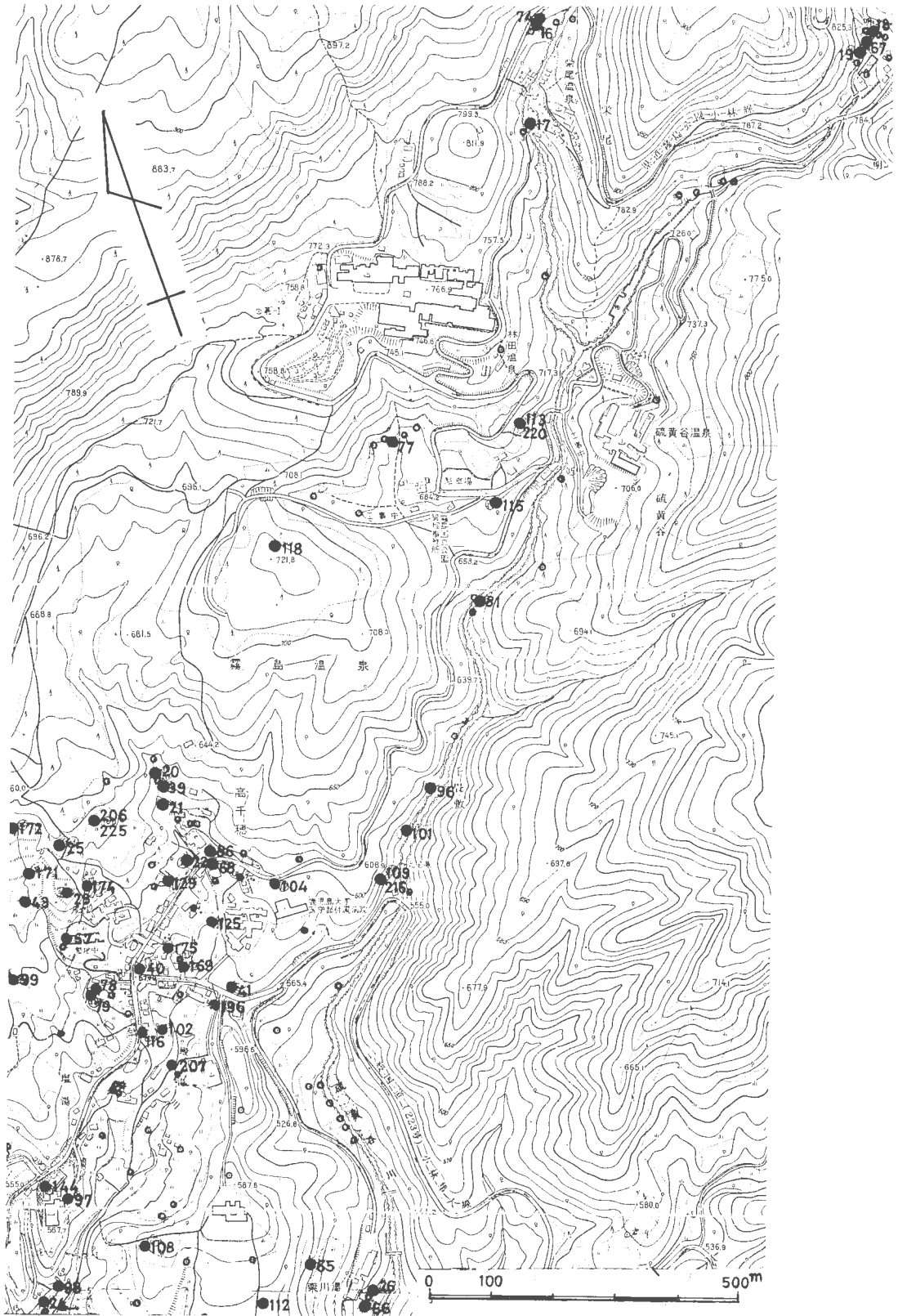
N= NUMBER OF SAMPLES

F= FREQUENCY(%)

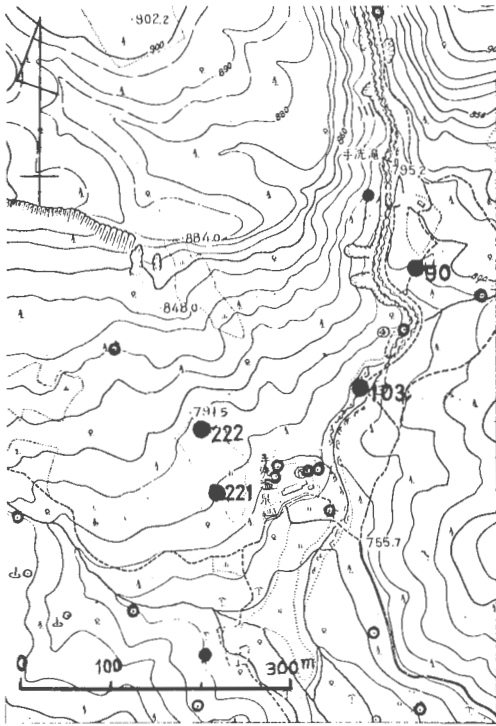
第28-1図 霧島地域中央部における温泉の分布および試料採取地（カッコ内は昭和49年12月現在の源泉数）



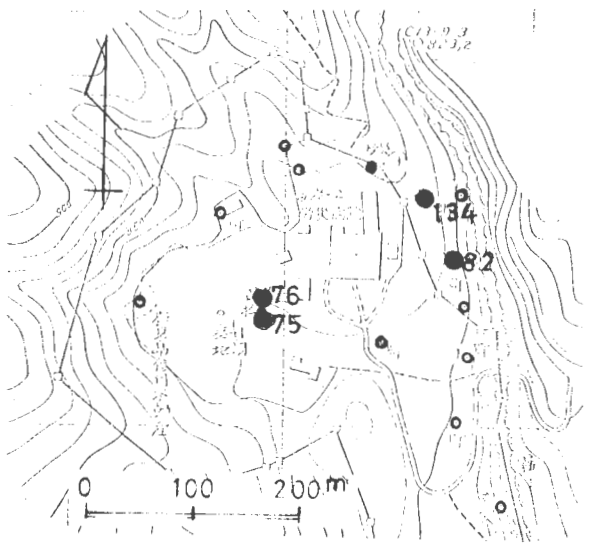
第 28-2 図 試料採取地（霧島温泉丸尾、栄之尾、硫黄谷地区）



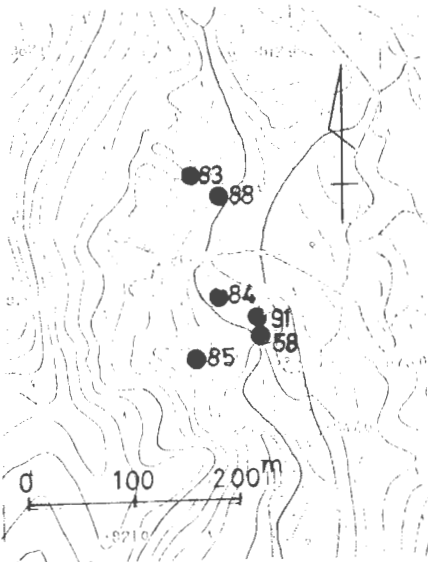
第 28-3 図 試料採取地 (霧島温泉手洗地区)



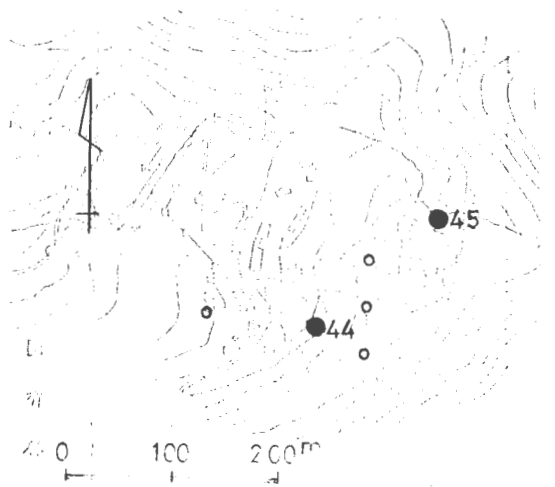
第 28-4 図 試料採取地 (霧島温泉湯之野地区)



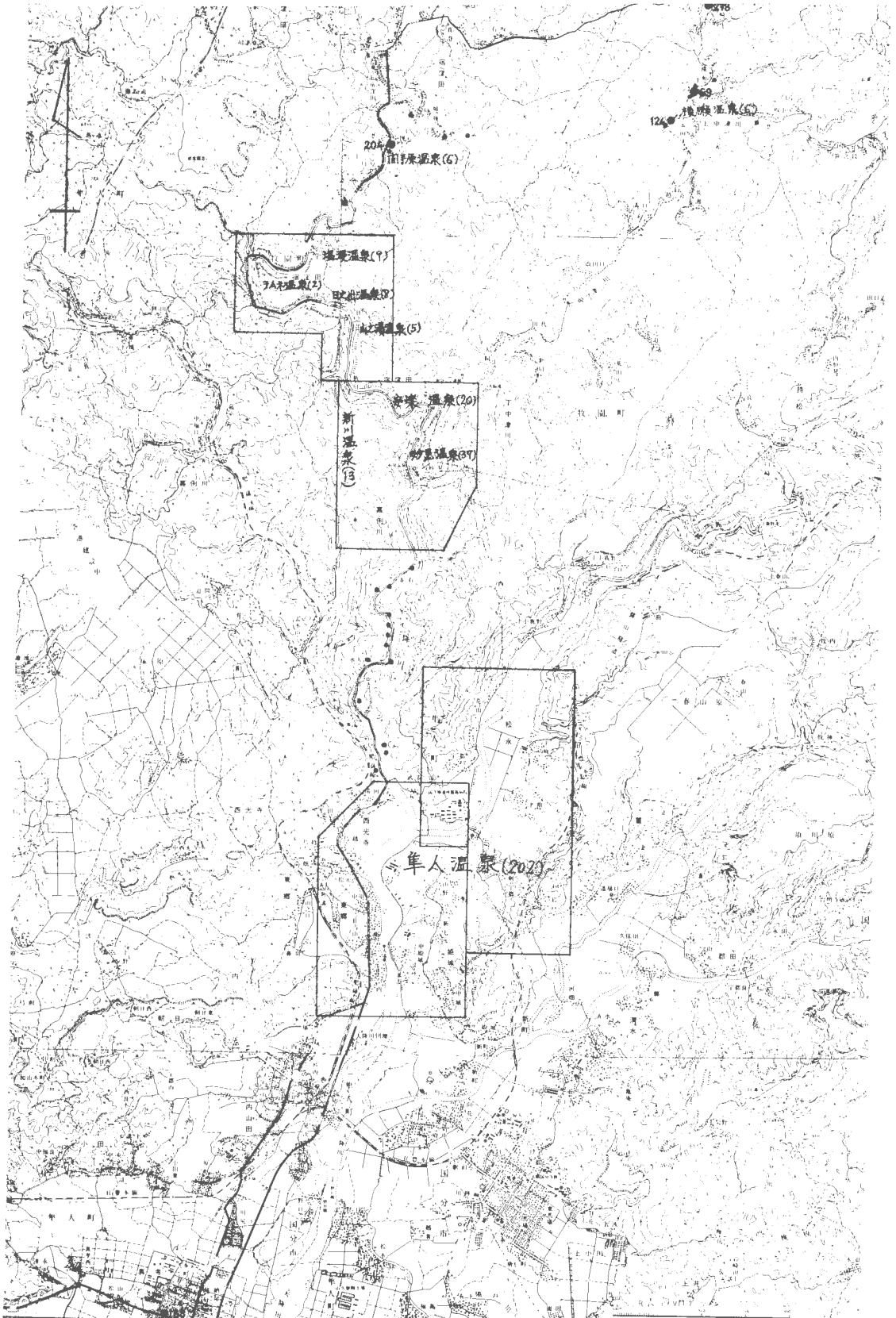
第 28-5 図 試料採取地 (霧島温泉山城地区)



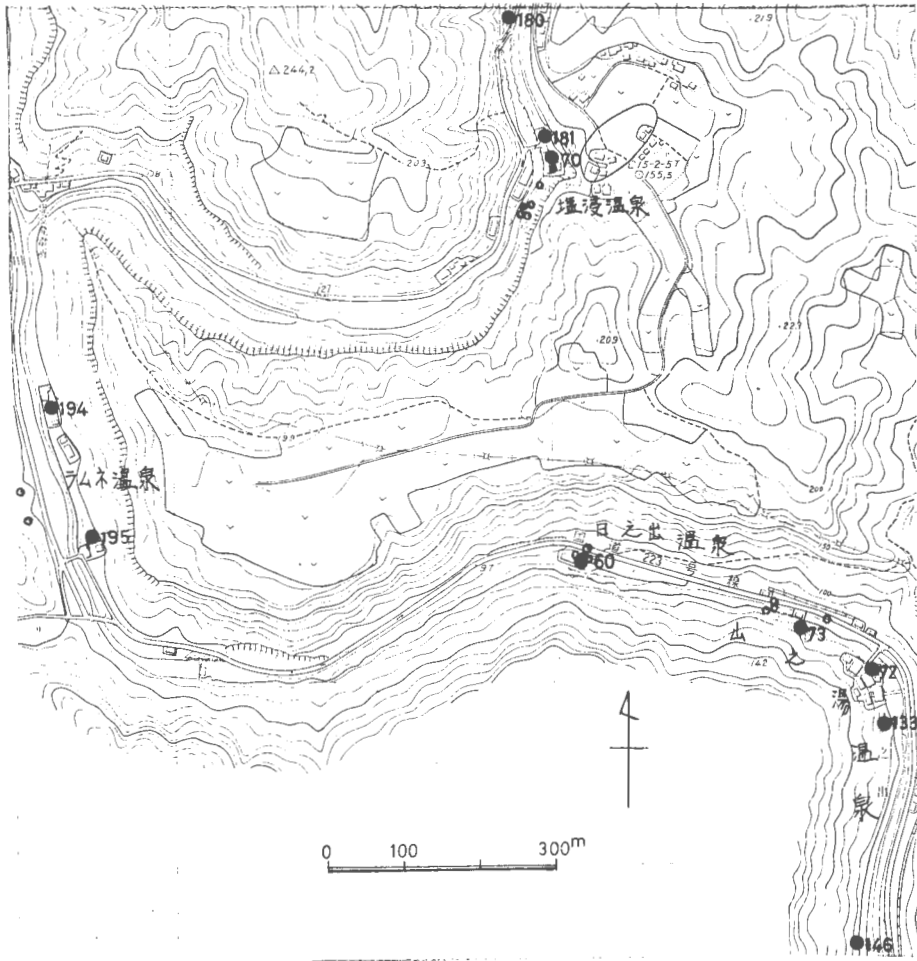
第 28-6 図 試料採取地 (霧島温泉栗野岳地区)



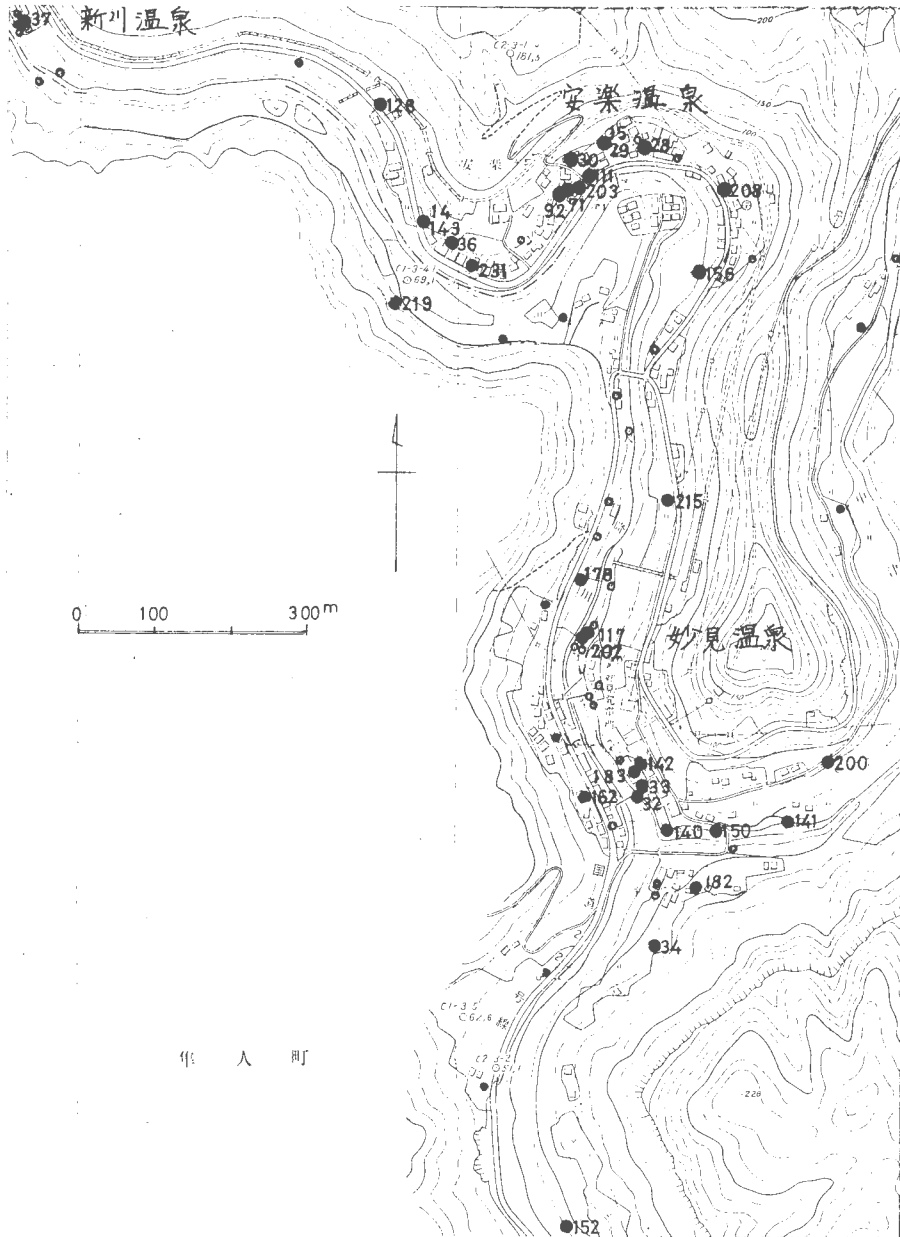
第 28-7 図 霧島地域南部における温泉の分布および試料採取地（カッコ内は昭和49年12月現在の源泉数）



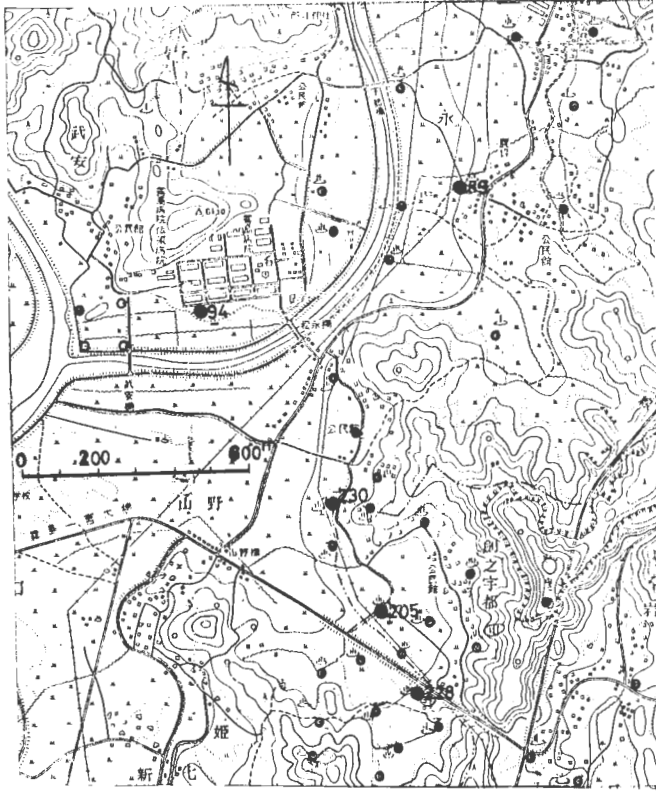
第28-8図 試料採取地（霧島温泉塩浸，ラムネ，日之出，山之湯地区）



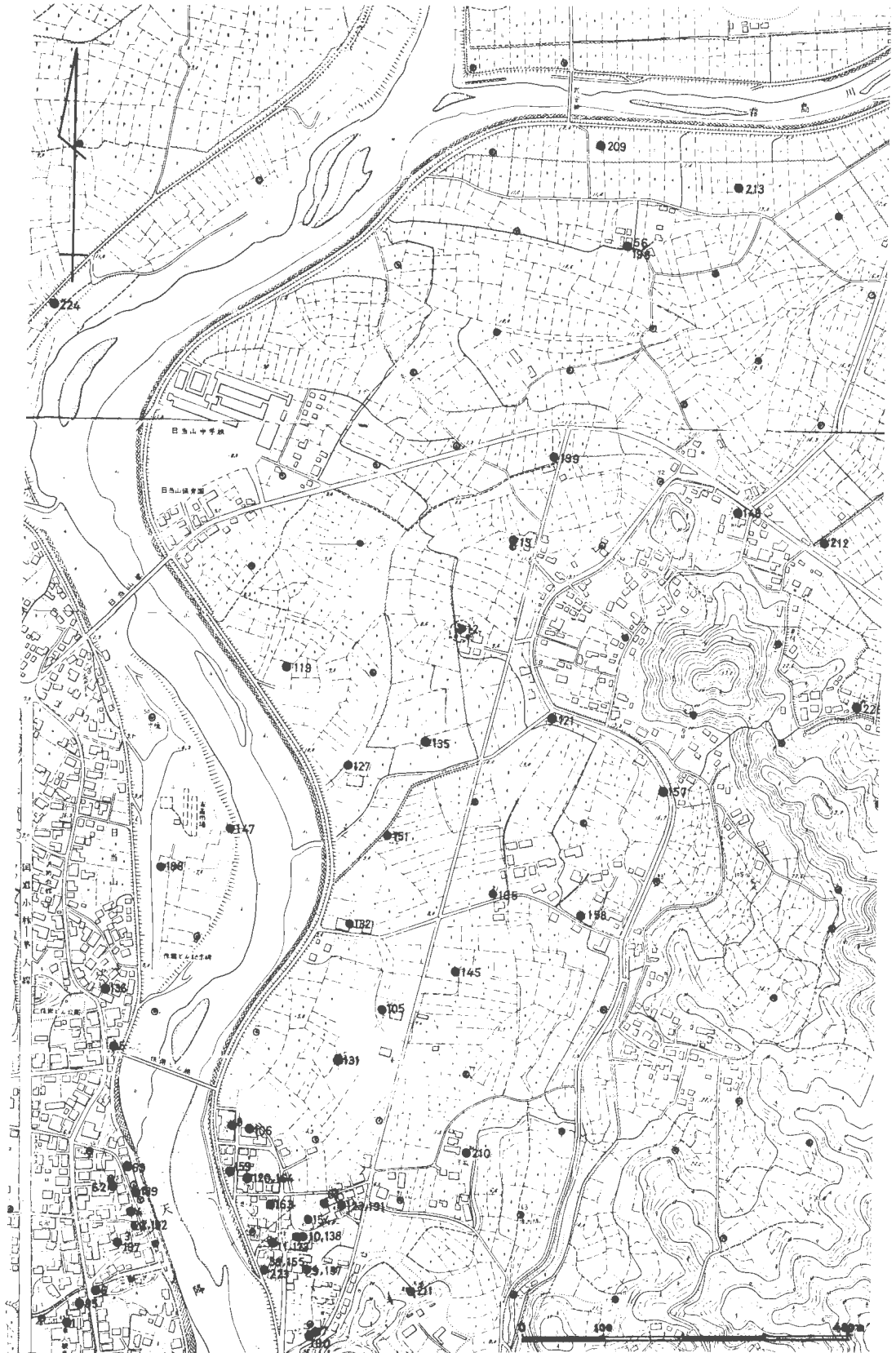
第 28-9 図 試料採取地（新川，安楽，妙見地区）



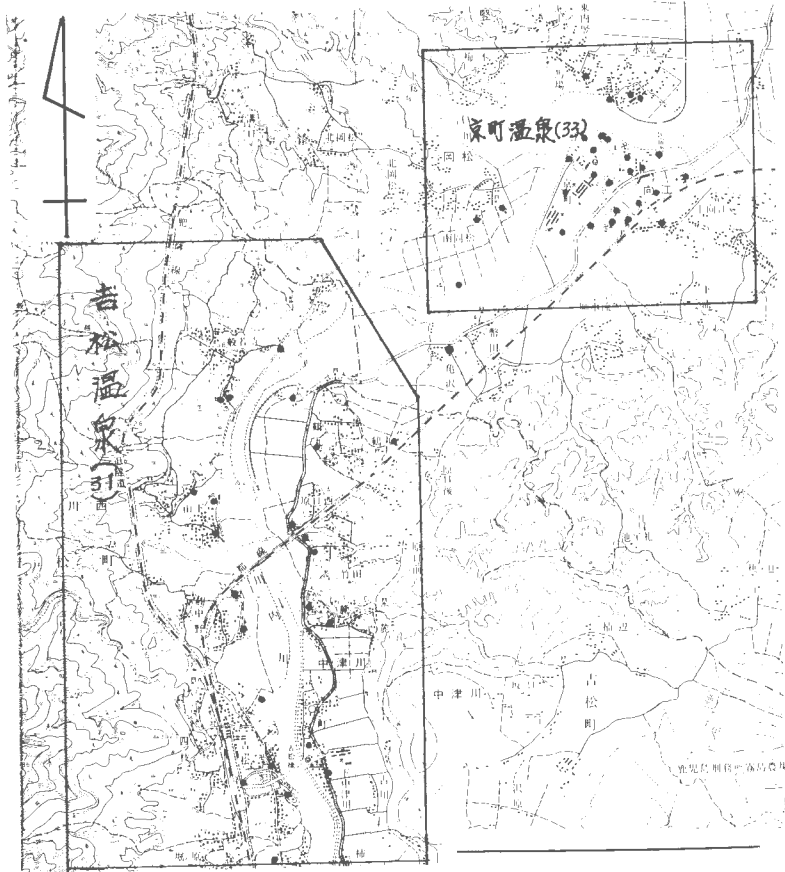
第 28-10 図 試料採取地（隼人温泉北東部）



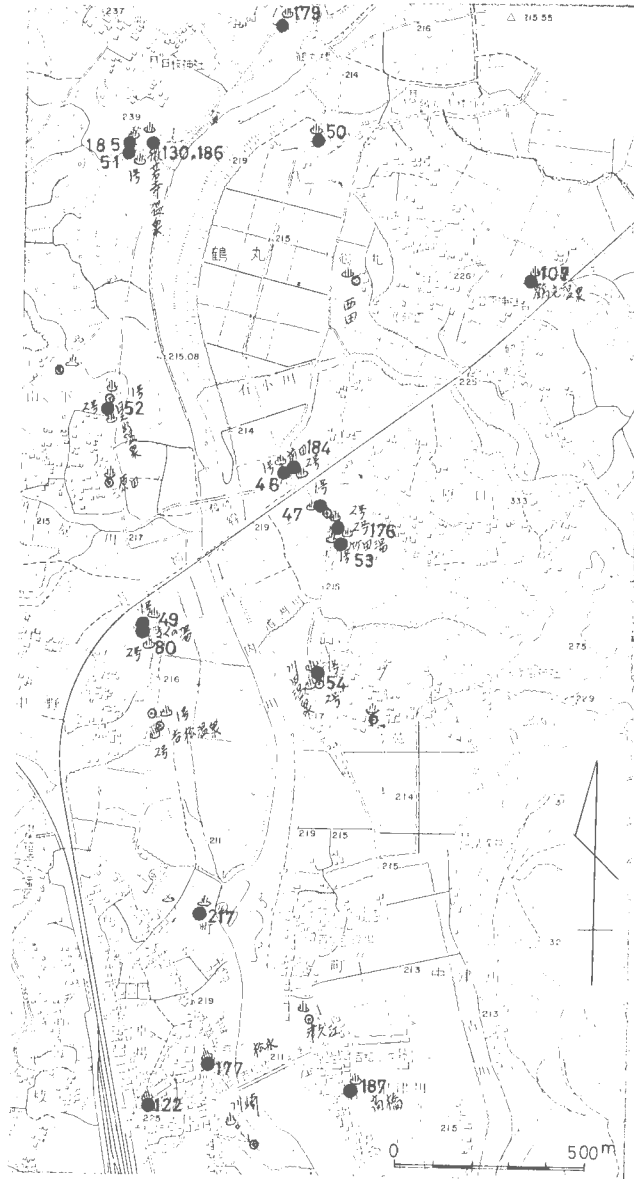
第28-11図 試料採取地（華人温泉南西部）



第 28-12 図 霧島地域北部における温泉の分布
(カッコ内は昭和49年12月現在の源泉数)



第 28-13 図 試料採取地 (吉松温泉)

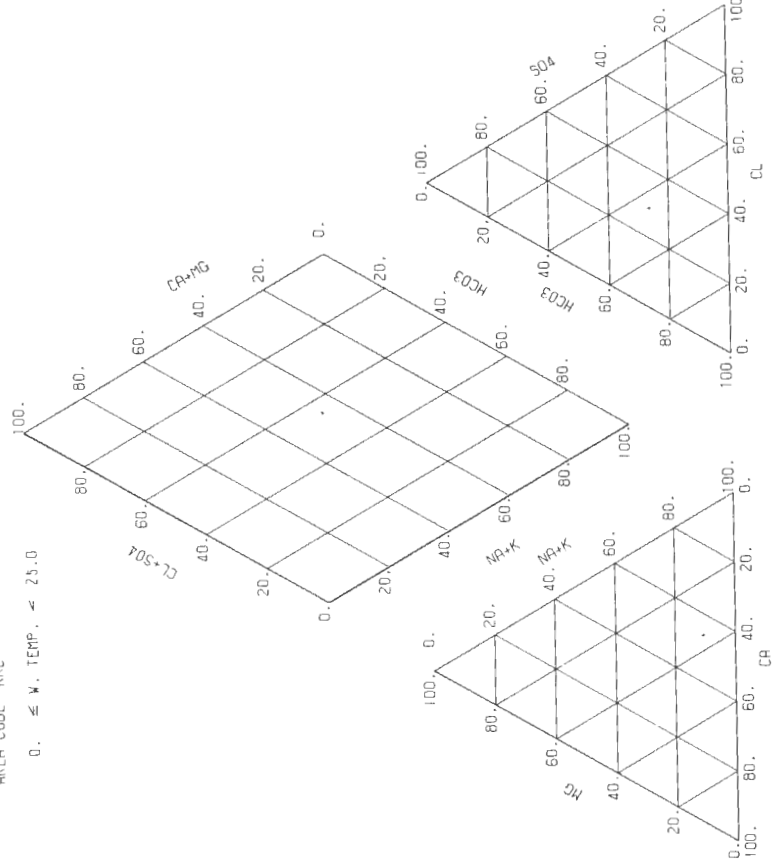


第 28-14 図 霧島地域水質組成図 (その1) (水温25℃未満)

KIRISHIMA

AREA CODE KRC

0. ≦ W. TEMP. ≦ 25.0

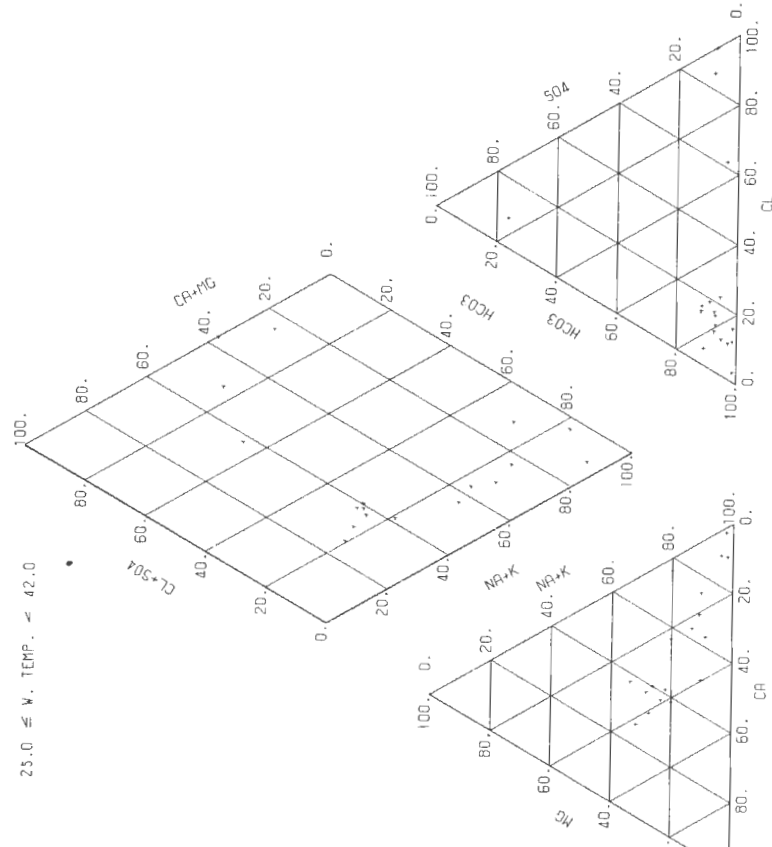


第 28-14 図 霧島地域水質組成図 (その2) (水温25℃以上42℃未満)

KIRISHIMA

AREA CODE KRC

25.0 ≦ W. TEMP. ≦ 42.0

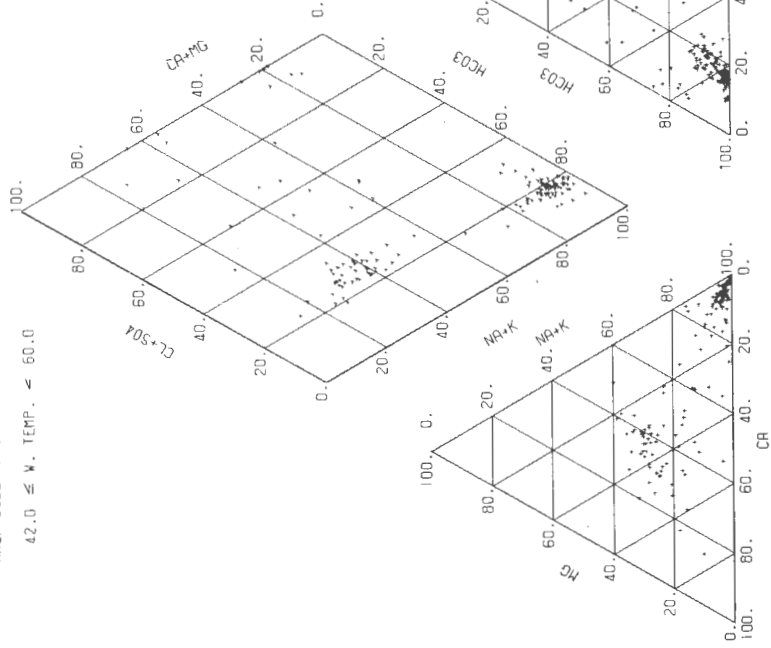


第 28-14 図 霧島地域水質組成図 (その 3) (水温42℃以上60℃未満)

KIRISHIMA

AREA CODE KRC

42.0 ≤ W. TEMP. < 60.0

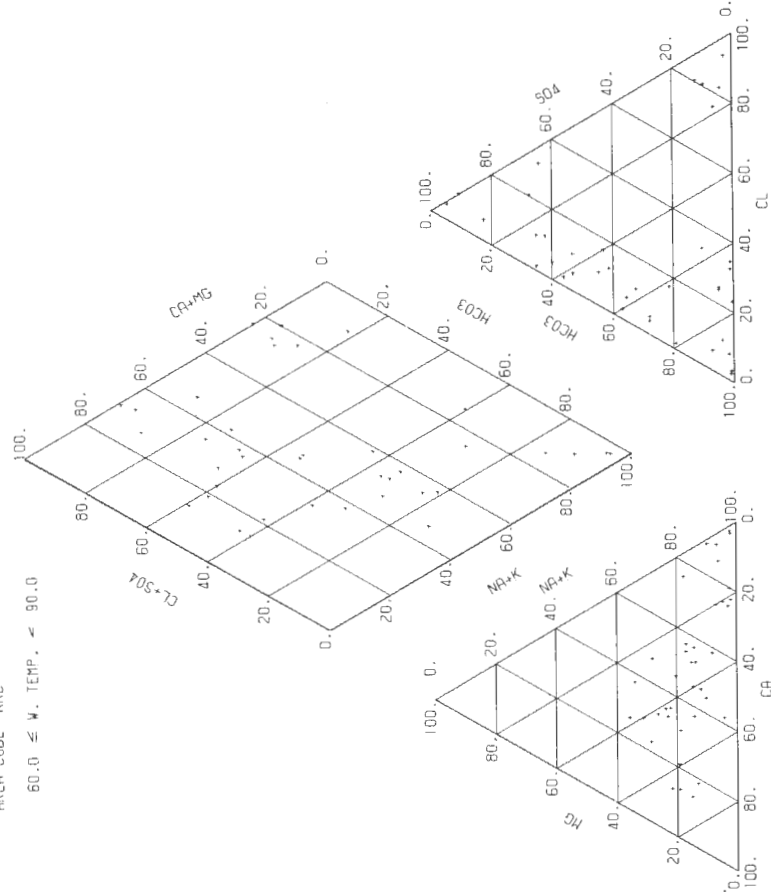


第 28-14 図 霧島地域水質組成図 (その 4) (水温60℃以上90℃未満)

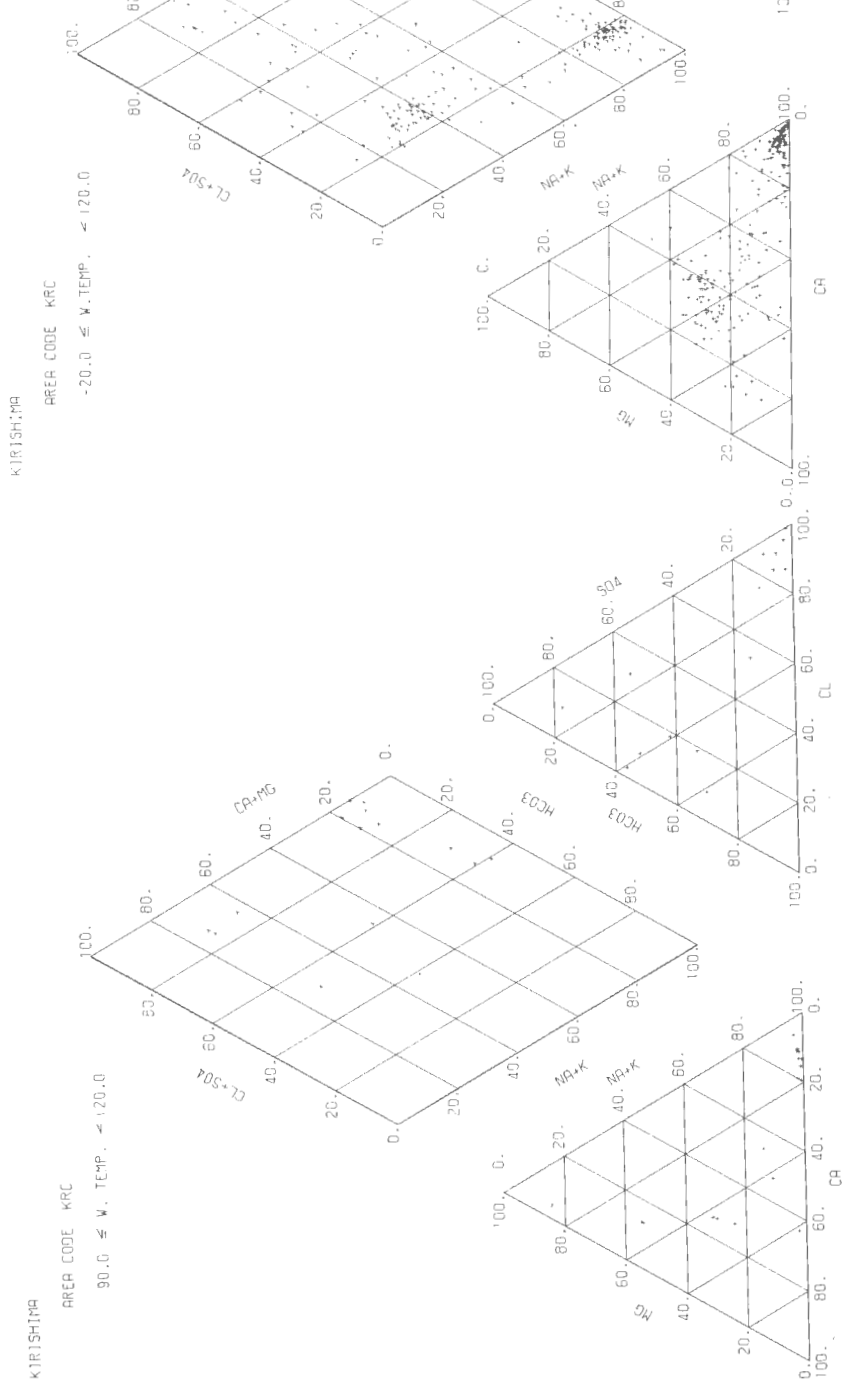
KIRISHIMA

AREA CODE KRC

60.0 ≤ W. TEMP. < 90.0

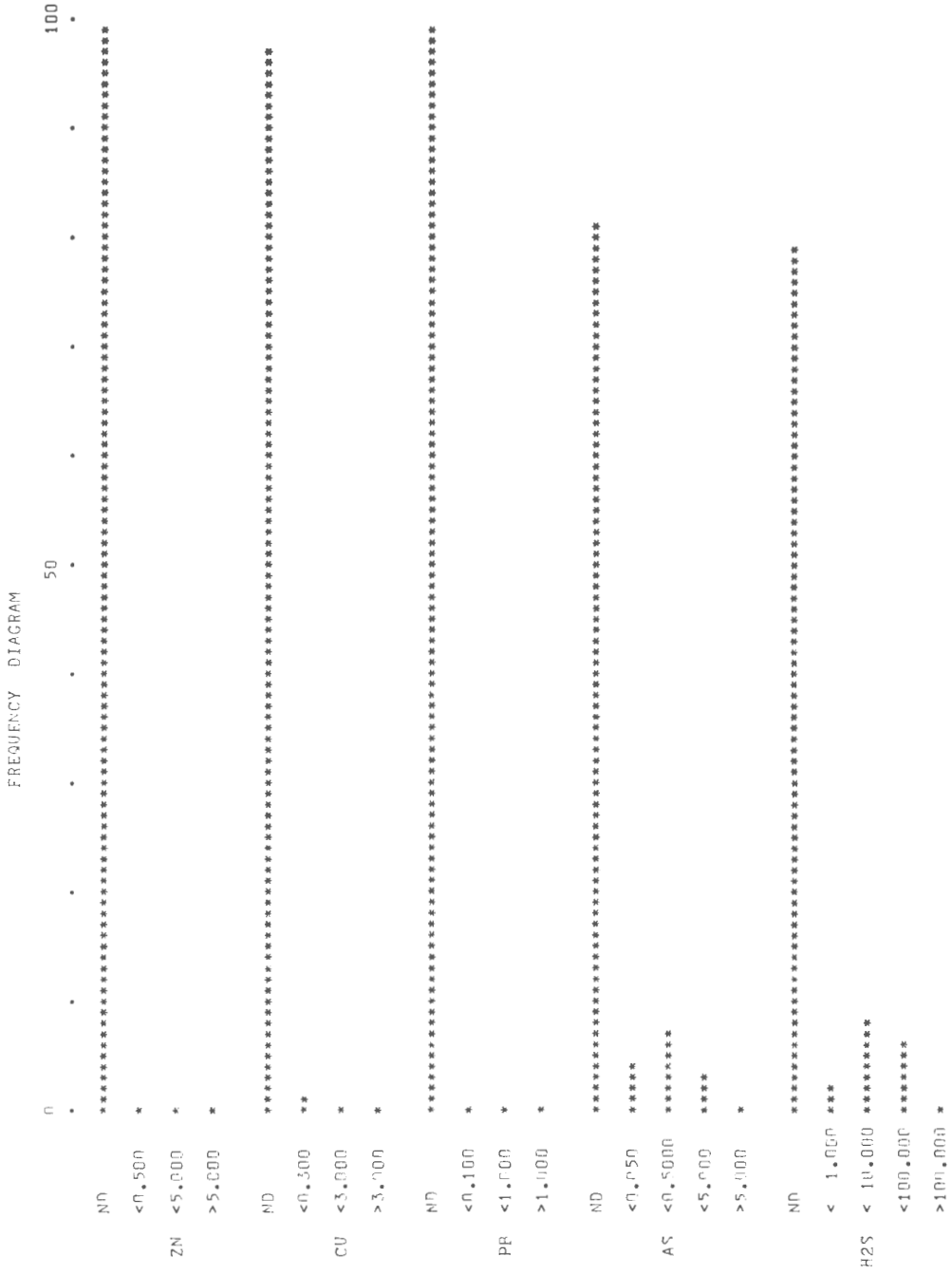


第 28-14 図 森島地域水質組成図 (その 5) (水温90℃以上120℃未満)



第 28-14 図 森島地域水質組成図 (その 6) (全試料)

第28-15図 霧島地蔵特定成分含量の頻度分布図

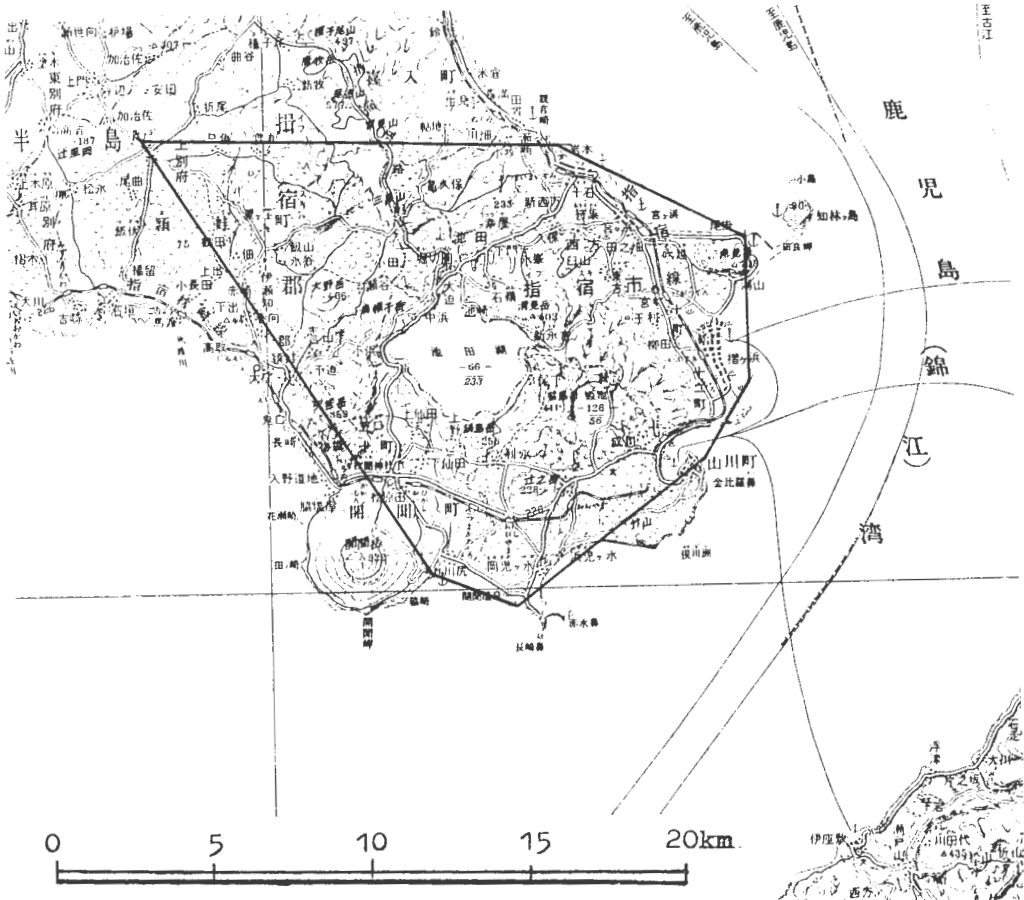


29. 薩南

Satsunan

| | |
|-------|-----------------------------|
| 位置 | 鹿児島県指宿市，同揖宿郡穎娃町，同郡開聞町，同郡山川町 |
| データ数 | 117 |
| 収集・整理 | 永井 茂 |
| 協力 | 鹿児島県指宿市，同揖宿郡開聞町，同郡山川町 |

調査位置図（20万分の1地勢図 開聞岳）



第 29-1 表 薩南地域試料一覽表

| No. | 産地 | 温泉名 | 温泉名 | 源泉名 | 採水年月日 | 文献 no. | 文献中の 試料 no. | 備考 |
|-------|----------------|-----|----------|-----|--------------|-----------|-------------------|-------------------------------|
| STC-1 | 鹿児島県指宿市十二町3229 | 指 | 旧湯 | 湯 | (1952. 7. 7) | 20 | 11 | Q=65/m |
| "-2 | " | " | 砂浴場 | 湯 | (" 10) | " | 12 | |
| "-3 | " | " | 四郡共回 | 湯 | (" 7.15) | " | 13 | |
| "-4 | " | " | 清風館 | 湯 | (" 7.15) | " | 14 | D=15m, P |
| "-5 | " | " | 町営配湯所 | 湯 | (" 7.23) | " | 15 | X |
| "-6 | " | " | 浜田旅館 | 湯 | (" 7.23) | " | 16 | X |
| "-7 | " | " | 指宿荘 | 湯 | (" 7.24) | " | 17 | X |
| "-8 | " | " | 西温泉 | 湯 | (" 7.26) | " | 18 | Q=36/m, Q=35/m |
| "-9 | " | " | 前之園旅館 | 湯 | (" 8. 3) | " | 19 | |
| "-10 | " | " | 菊屋 | 湯 | (" 8. 5) | " | 20 | D=40m, Q=95/m |
| "-11 | " | " | 田原迫 | 湯 | " 7.23 | " | 21 | D=50m, Q=30/m, P |
| "-12 | " | " | 新湯 | 湯 | " 7.23 | " | 22 | D=6m, Q=28/m, P, X |
| "-13 | " | " | 観光ホテル1号 | 湯 | 1953. 5.20 | " | 41 | Q=60/m, P |
| "-14 | " | " | 清見湯 | 湯 | 1954. 5.11 | " | 53 | Q=110/m |
| "-15 | " | " | 松元 | 湯 | 1956. 7.11 | 21 | 128 | Q=32/m, P |
| "-16 | " | 川尻 | 落湯 | 湯 | " 7.21 | " | 129 | Q=49.6/m, P |
| "-17 | " | 指宿 | 觀光ホテル2号 | 湯 | 1957. 9.20 | " | 157 | D=40m, D=9m, Q=300/m, P |
| "-18 | " | 指 | すむむし湯 | 湯 | " 10.29 | " | 158 | P |
| "-19 | " | " | 殿様湯 | 湯 | " 10.24 | " | 159 | D=54.5m, Q=120/m, P |
| "-20 | " | " | 白水館別館 | 湯 | " 10.30 | " | 160 | D=200m, Q=87.2/m, P |
| "-21 | " | " | 松元湯 | 湯 | 1958. 8. 6 | " | 174 | D=150m, Q=150/m, P |
| "-22 | " | 成 | 成川共同湯 | 湯 | " 11.24 | " | 178 | D=6m, Q=110/m, P |
| "-23 | " | 指 | 国立鹿児島療養所 | 湯 | 1959. 7. 3 | " | 200 | |
| "-24 | " | " | 市営湯の里2号 | 湯 | " 10. 1 | 22 | 204 | D=62m, Q=250/m, F |
| "-25 | " | " | 市営二月田温泉 | 湯 | " 10. 2 | " | 207 | D=63m, Q=20/m, P |
| "-26 | " | 鯉 | 南鉄うなぎ温泉 | 湯 | 1959.10.12 | " | 208 | Q=15/m |
| "-27 | " | " | 南鉄うなぎ温泉 | 湯 | 1960. 6.13 | " | 231 | Q=200/m |
| "-28 | " | 指 | 宮屋敷 | 湯 | " 10.12 | " | 236 | D=270m, Q=300/m, P |
| "-29 | " | " | 湯の里配湯所 | 湯 | " 10.11 | " | 237 | D=62m, Q=300/m, F |
| "-30 | " | " | 市営摺ヶ浜 | 湯 | " 10.11 | " | 238 | Q=1,200/m, X |
| "-31 | " | " | 弥次ヶ湯 | 湯 | 1961. 5.18 | " | 246 | D=50m, Q=10/m, P |
| "-32 | " | " | 昭野崎別荘 | 湯 | 1962. 1.23 | " | 250 | P |
| "-33 | " | " | 野崎別荘 | 湯 | " 1.23 | " | 251 | D=50m, Q=80/m, F |
| "-34 | " | " | 番処園 | 湯 | " 1.23 | " | 252 | D=48m, Q=150/m, P |
| "-35 | " | " | 長寿 | 湯 | " 4.13 | " | 253 | D=60.5m, Q=77.5/m, P, X |
| "-36 | " | " | 野崎別荘 | 湯 | " 9.11 | " | 261 | D=147m, Q=220/m |
| "-37 | " | 長崎 | 今村湯 | 湯 | 1963. 1. 7 | " | 270 | D=6.5m, Q=46.8/m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の 試料 no. | 備考 |
|--------|-------------------------|-----|-----|--------------|-------------|-------|----------------|----------------------|
| STC-38 | 鹿児島県指宿市十二町3749の3 | 指 | 宿 | 海上ホテル | 1963. 2. 5 | 22 | 272 | D=10m, P |
| "-39 | " " " " " " " " " " " " | " | " | 今村1号 | " 2. 5 | " | 273 | D=280m, Q=62.7l/m, P |
| "-40 | " " " " " " " " " " " " | " | " | 今村2号 | " 2. 5 | " | 274 | D=63m, Q=30.2l/m, P |
| "-41 | " " " " " " " " " " " " | " | " | 下高原湯 | " 2. 6 | " | 275 | D=140m, P, X |
| "-42 | " " " " " " " " " " " " | " | " | 公園ホテル | " 2. 4 | " | 276 | P |
| "-43 | " " " " " " " " " " " " | " | " | 丹波温泉 | " 2. 5 | " | 277 | P |
| "-44 | " " " " " " " " " " " " | " | " | 今村幸男 | " 6. 3 | " | 279 | D=120m, Q=232l/m, P |
| "-45 | " " " " " " " " " " " " | " | " | 湯の国 | " 6. 3 | " | 280 | Q=300l/m |
| "-46 | " " " " " " " " " " " " | 成 | 川 | 町の営 | " 9. 2 | " | 296 | Q=120l/m |
| "-47 | " " " " " " " " " " " " | " | " | あづま鉱泉 | 1964. 3. 13 | 23 | 305 | Q=3l/m, X |
| "-48 | " " " " " " " " " " " " | 川 | 尻 | 関開荘 | " 3. 13 | " | 313 | D=50m, Q=53.7l/m, P |
| "-49 | " " " " " " " " " " " " | 指 | 宿 | 白菊 | " 5. 25 | " | 314 | D=150m, Q=220l/m, P |
| "-50 | " " " " " " " " " " " " | 指 | 宿 | 野崎別荘3号 | " 8. 6 | " | 330 | D=68m, Q=52l/m |
| "-51 | " " " " " " " " " " " " | 指 | 宿 | 住友荘 | 1964. 8. 7 | 23 | 331 | Q=21.2l/m, P |
| "-52 | " " " " " " " " " " " " | " | " | 海上ホテル | " 8. 7 | " | 332 | D=15m, Q=120l/m, P |
| "-53 | " " " " " " " " " " " " | " | " | 公園ホテル | " 8. 7 | " | 333 | D=35m, Q=180l/m, P |
| "-54 | " " " " " " " " " " " " | " | " | 白水館3号 | " 8. 6 | " | 334 | D=300m, Q=30l/m, F |
| "-55 | " " " " " " " " " " " " | " | " | 番処園 | " 8. 6 | " | 335 | D=48m, Q=40l/m, P |
| "-56 | " " " " " " " " " " " " | " | " | 国立鹿児島療養所 | 1965. 4. 30 | " | 349 | D=170m, Q=120l/m, P |
| "-57 | " " " " " " " " " " " " | " | " | 国立鹿児島療養所 | 1966. 4. 20 | 24 | 387 | Q=180l/m, F |
| "-58 | " " " " " " " " " " " " | " | " | 指宿温泉病院 | " 7. 19 | " | 393 | D=35.5m, Q=120l/m, F |
| "-59 | " " " " " " " " " " " " | 成 | 川 | 指宿観光ホテル | " 9. 21 | " | 398 | D=80m, Q=124l/m, P |
| "-60 | " " " " " " " " " " " " | 見 | 水 | 区有温泉 | " 10. 28 | " | 400 | D=200m, Q=100l/m, P |
| "-61 | " " " " " " " " " " " " | 長 | 崎 | 南湊園 | 1968. 1. 25 | 25 | 432 | D=70m, Q=97.5l/m, P |
| "-62 | " " " " " " " " " " " " | 指 | 宿 | 松元 | " 1. 25 | " | 434 | D=70m, Q=75l/m, P |
| "-63 | " " " " " " " " " " " " | " | " | 悟空会館 | " 2. 6 | " | 437 | D=70m, Q=75l/m, P |
| "-64 | " " " " " " " " " " " " | " | " | レクリエーションセンター | " 2. 6 | " | 440 | D=70m, Q=120l/m, P |
| "-65 | " " " " " " " " " " " " | " | " | さつなん荘 | " 2. 6 | " | 441 | D=70m, Q=100l/m, P |
| "-66 | " " " " " " " " " " " " | " | " | 千寿園 | " 6. 24 | " | 452 | D=150m, Q=120l/m, P |
| "-67 | " " " " " " " " " " " " | " | " | 中央商事松ヶ迫 | " 6. 24 | " | 462 | Q=100l/m, P |
| "-68 | " " " " " " " " " " " " | 成 | 川 | やまかわ荘 | " 10. 17 | 26 | 478 | Q=120l/m, P |
| "-69 | " " " " " " " " " " " " | 長 | 崎 | 開開温泉 | " 10. 17 | " | 479 | Q=141l/m, P |
| "-70 | " " " " " " " " " " " " | " | " | 芭蕉園 | " 10. 17 | " | 480 | D=150m, Q=50l/m, P |
| "-71 | " " " " " " " " " " " " | 指 | 宿 | 和田旅館 | " 10. 14 | " | 481 | D=4m, Q=24l/m, P |
| "-72 | " " " " " " " " " " " " | " | " | 大和旅館 | " 10. 14 | " | 482 | D=4m, Q=85l/m, P |
| "-73 | " " " " " " " " " " " " | 見 | 水 | 浜の湯 | " 10. 17 | " | 483 | Q=50l/m, F |
| "-74 | " " " " " " " " " " " " | 指 | 宿 | ホテル甲竜 | " 10. 18 | " | 484 | D=60m, Q=100l/m, P |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の no. 試料 no. | 備考 |
|--------|--------------------------|-----|-----------|-------|--------------|-------|--------------------|-------------------------------|
| STC-75 | 鹿児島県揖保郡山川町成川尻7374の1 | 成川 | くりや旅館 | 源 泉 名 | 1968. 10. 17 | 26 | 485 | Q = 45 l/m, P |
| " -76 | " " " 6516 | 成川 | うなぎ温泉 | | " 10. 17 | " | 486 | |
| " -77 | " " " 指宿市十二町摺ヶ浜3726 | 指宿 | 健保指宿保養所 | | " 10. 15 | " | 487 | D = 6. 9m, Q = 30 l/m, P |
| " -78 | " " " " 3721 | " | 指宿船員保険寮 | | " 10. 15 | " | 488 | D = 12m, Q = 100 l/m, P |
| " -79 | " " " " 3230の2 | " | 川辺屋 | | " 10. 14 | " | 490 | D = 4. 5m, Q = 34 l/m, P |
| " -80 | " " " " 3225 | " | と き わ | | " 10. 15 | " | 491 | D = 3. 5m, Q = 50 l/m, P |
| " -81 | " " " " 3230 | " | 勝美屋 | | " 10. 14 | " | 492 | D = 3. 5m, Q = 25. 5 l/m, P |
| " -82 | " " " " 3209 | " | 大 山 荘 | | " 10. 14 | " | 493 | D = 3m, Q = 150 l/m, P |
| " -83 | " " " " 3226 | " | 京 屋 | | " 10. 15 | " | 494 | Q = 20 l/m, P |
| " -84 | " " " " 3218 | " | 千 歳 荘 | | " 10. 15 | " | 495 | Q = 44. 4 l/m, P |
| " -85 | " " " " 3026 | " | グランドホテル | | " 10. 15 | " | 496 | D = 50m, Q = 150 l/m, P |
| " -86 | " " " " 4133 | " | 松之江旅館 | | " 10. 16 | " | 497 | D = 200m, Q = 12 l/m, P |
| " -87 | " " " " 2205 | " | 新小田湯 | | " 10. 16 | " | 498 | D = 135m, Q = 182 l/m, P |
| " -88 | " " " " 十町 1153 | " | 浩然会病院 | | " 10. 16 | " | 499 | D = 54m, Q = 40 l/m, P |
| " -89 | " " " " 東方塩屋10091の2 | " | 指宿南風寮 | | " 10. 16 | " | 500 | D = 46m, Q = 56 l/m, P |
| " -90 | " " " " 十町浜島1912 | " | シーサイドホテル | | " 10. 16 | " | 501 | Q = 60 l/m, P |
| " -91 | " " " " 揖保郡山川町成川浜干形7499 | 成 川 | みなと旅館 | | " 10. 17 | " | 506 | D = 15m, Q = 23 l/m, P |
| " -92 | " " " " " 6133 | " | かめや旅館 | | " 10. 17 | " | 507 | D = 10m, Q = 15 l/m, P |
| " -93 | " " " " " 7394 | " | しおひ旅館 | | " 10. 17 | " | 508 | D = 4m, Q = 192 l/m, P |
| " -94 | " " " " 指宿市東方 7582の1 | 指 宿 | 河 原 湯 | | 1969. 7. 23 | " | 514 | D = 57m, Q = 350 l/m, F |
| " -95 | " " " " " 十二町36の後892 | " | 白 水 館 | | " 8. 8 | " | 517 | D = 100m, Q = 150 l/m, F |
| " -96 | " " " " " 摺ヶ浜3102 | " | こ と ぶ き | | " 8. 8 | " | 519 | D = 4. 5m, Q = 150 l/m, P |
| " -97 | " " " " " 1407 | " | 南 風 荘 | | " 8. 8 | " | 525 | D = 45m, Q = 30 l/m, P |
| " -98 | " " " " " 摺ヶ浜3739 | " | 圭屋ユースホステル | | " 8. 8 | " | 526 | Q = 60 l/m, P |
| " -99 | " " " " " 3211 | " | 浜 見 荘 | | " 8. 8 | " | 527 | D = 3m, Q = 24. 6 l/m, P |
| " -100 | " " " " " 3220 | " | いぶすぎ第一ホテル | | " 8. 8 | " | 528 | D = 3m, Q = 150 l/m, P |
| " -101 | " " " " 指宿市十二町稻荷の後1244 | 指 宿 | 水上ホテル | | 1970. 2. 12 | 26 | 542 | D = 280m, Q = 62. 7 l/m, P, X |
| " -102 | " " " " " 十町2068 | " | 大 苑 | | " 2. 12 | " | 543 | D = 65m, Q = 120 l/m, F |
| " -103 | " " " " " 十二町南丹波2986ほか | " | 追温泉配湯 | | " 8. 3 | " | 562 | Q = 100 l/m, P |
| " -104 | " " " " 揖保郡山川町岡兒ヶ水須賀1423 | 長 崎 | 開 閨 温 泉 | | " 8. 3 | " | 563 | Q = 110 l/m, P, X |
| " -105 | " " " " 指宿市東方新生町11987 | 指 宿 | 新指宿ホテル | | " 11. 9 | " | 569 | D = 80m, Q = 280 l/m, P |
| " -106 | " " " " 揖保郡山川町浜兒ヶ水海岸 | 児 水 | 浜 の 湯 | | 1958 | 43 | | X |
| " -107 | " " " " " " " | " | 浜 の 湯 | | 1958 | " | | X |
| " -108 | " " " " " 岡兒ヶ水清水94 (鉱泉地) | " | 岡兒ヶ水区有 | | 1958 | " | | X |
| " -109 | " " " " " " " | " | 岡兒ヶ水区有 | | 1958 | " | | X |
| " -110 | " " " " " 須賀1446 | 長 崎 | 開 閨 温 泉 | | 1958 | " | | STC-69と同一源泉 |

| No. | 産地 | 温泉名 | 源泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|---------|---------------------|-----|-----|------|-------|-------|------------------|------|
| STC-111 | 鹿児島県揖宿郡開聞町尻大月5379の1 | 川尻 | 開聞 | 庄 | 1958 | 43 | STC-48と同一源泉 | |
| " | " | 成 | 伏目 | 温泉 | 1958 | " | | X |
| " | " | " | 成川 | 村館 | 1958 | " | D=3m, Q=62l/m, | P, X |
| " | " | " | " | 日本冷蔵 | 1958 | " | D=5.5m, Q=55l/m, | P |
| " | " | " | " | 成川海岸 | 1958 | " | | |
| " | " | " | " | 海水 | 1958 | " | | X |
| " | " | 指 | 宿 | ヶ浜 | 1958 | " | | X |

採水年月日の()は報告年月日、備考のDは深度(m)、Qは揚(湧)水量(l/m)、Pはポンプ揚水、Fは自噴、Xは源泉位置不明を示す。

第 29-2 表 薩南地域水質一覽表

| | STC 1 | STC 2 | STC 3 | STC 4 |
|----------------------------------|----------|-----------|-----------|----------|
| NO | 73.0 | - | 68.0 | 57.7 |
| TEMP | 1003.000 | 1.915.000 | 13560.000 | 4511.000 |
| TSM | 7.00 | 7.20 | 7.60 | 7.00 |
| PH(FD) | - | - | - | - |
| PH(LLB) | - | - | - | - |
| H (MG/KG) (MVAL)*G | | | | |
| K | 315.600 | 283.400 | 724.300 | 125.500 |
| NA | 2752.000 | 3881.000 | 3481.000 | 1441.000 |
| NP4 | - | - | - | - |
| CA | 556.700 | 643.600 | 823.600 | 316.900 |
| MG | 54.420 | 171.000 | 79.160 | 37.800 |
| FE | 0.565 | 0.145 | 0.456 | 0.089 |
| MN | 0.794 | 0.793 | 0.288 | 0.575 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.254 | 0.090 | 0.080 | 0.853 |
| CL | 5474.000 | 7433.000 | 7411.000 | 2425.000 |
| BR | 1.330 | 2.650 | 2.300 | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 236.600 | 530.100 | 327.800 | 109.800 |
| S203 | - | - | - | - |
| HC03 | 131.800 | 150.000 | 105.500 | 71.880 |
| C03 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 223.007 | 188.248 | 179.862 | 285.026 |
| HR02 | - | - | - | - |
| H3P04 | 0.278 | 0.383 | 0.383 | 0.153 |
| HAS02 | - | - | - | - |
| C02 | 26.100 | 65.120 | 6.604 | 26.400 |
| H2S | - | - | - | - |
| .RN (*E-10 CURIE/L) | 0.990 | 0.520 | 0.510 | 1.300 |
| NA/K | 14.829 | 23.288 | 8.173 | 19.526 |
| CA/(HC03+C03) | 12.860 | 13.063 | 23.768 | 13.423 |
| MG/CA | 0.191 | 0.438 | 0.159 | 0.197 |
| NA/CA | 4.309 | 5.257 | 3.684 | 3.964 |
| CL/(HC03+C03) | 71.485 | 85.290 | 120.906 | 58.067 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 95.612 | 93.953 | 96.069 | 95.180 |
| S04*100/(CL+S04+HC03+C03) | 3.050 | 4.945 | 3.136 | 3.181 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.338 | 1.102 | 0.795 | 1.639 |
| (NA+K)*100/(NA+K+CA+MG) | 79.436 | 79.219 | 78.116 | 77.889 |
| CA*100/(NA+K+CA+MG) | 17.269 | 14.450 | 18.890 | 18.844 |
| MG*100/(NA+K+CA+MG) | 3.295 | 6.331 | 2.994 | 3.667 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.562 | 98.898 | 99.205 | 98.361 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.338 | 1.102 | 0.795 | 1.639 |
| (NA+K)*100/(NA+K+CA+MG) | 79.436 | 79.219 | 78.116 | 77.889 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.564 | 20.781 | 21.884 | 22.311 |

第29-2表 薩南地域水質一覽表 (つづき)

| NO | STC 5 | STC 6 | STC 7 | STC 8 |
|----------------------------------|----------|----------|----------|----------|
| TEMP | 57.5 | 57.5 | 46.0 | 46.0 |
| TSM | 4585.700 | 4585.000 | 2202.000 | 5087.000 |
| PH(FD) | 7.20 | 7.10 | 6.60 | 7.00 |
| PH(CLB) | — | — | — | — |
| H (MG/KG)(MVAL/KG) | — | — | — | — |
| K | 126.100 | 125.500 | 54.660 | 163.700 |
| NA | 1152.000 | 1150.000 | 458.500 | 1268.000 |
| NH4 | — | — | — | — |
| CA | 315.700 | 320.600 | 110.800 | 206.200 |
| MG | 37.940 | 38.800 | 14.070 | 57.880 |
| FE | 0.099 | 0.122 | 1.158 | 4.763 |
| MN | 0.099 | 0.089 | 0.042 | 0.126 |
| ZN | 0.574 | 0.575 | 0.852 | 0.265 |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 0.813 | 0.823 | 1.965 | 0.856 |
| CL | 2438.000 | 2444.000 | 926.700 | 2448.000 |
| BR | — | — | — | — |
| I | — | — | — | — |
| F | — | — | — | — |
| OH | — | — | — | — |
| S04 | 108.900 | 110.800 | 63.450 | 158.700 |
| S203 | — | — | — | — |
| HCO3 | 76.250 | 77.850 | 83.280 | 128.600 |
| CO3 | — | — | — | — |
| ST02 (MG/KG)(MMOL/KG) | 285.026 | 285.026 | 116.472 | 178.939 |
| HS02 | — | — | — | — |
| H3P04 | 0.398 | 0.153 | 4.462 | 1.348 |
| HAS02 | — | — | — | — |
| CO2 | 24.350 | 25.300 | 21.520 | 54.910 |
| H2S | — | — | — | — |
| RN (*E-10 CURIE/L) | 1.750 | 1.550 | 0.760 | 0.990 |
| NA/K | 15.536 | 15.583 | 14.265 | 13.172 |
| CA/(HC03+CO3) | 12.600 | 12.538 | 4.051 | 4.882 |
| MG/CA | 0.198 | 0.200 | 0.209 | 0.463 |
| NA/CA | 3.181 | 3.127 | 3.607 | 5.361 |
| CL/(HC03+CO3) | 55.011 | 54.034 | 19.152 | 32.764 |
| CL/F | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 95.134 | 95.060 | 90.683 | 92.733 |
| S04*100/(CL+S04+HC03+CO3) | 3.136 | 3.181 | 4.582 | 4.437 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.729 | 1.759 | 4.735 | 2.830 |
| (NA+K)*100/(NA+K+CA+MG) | 73.661 | 73.503 | 76.144 | 79.768 |
| CA*100/(NA+K+CA+MG) | 21.815 | 22.089 | 19.725 | 13.830 |
| MG*100/(NA+K+CA+MG) | 4.323 | 4.408 | 4.151 | 6.402 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 96.271 | 98.241 | 95.265 | 97.170 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.739 | 1.759 | 4.735 | 2.830 |
| (NA+K)*100/(NA+K+CA+MG) | 73.861 | 73.503 | 76.144 | 79.768 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.139 | 26.497 | 23.856 | 20.232 |

第29-2表 薩南地域水質一覧表 (つづき)

| NO | STC 9 | | | STC 10 | | | STC 11 | | | STC 12 | | |
|----------------------------------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|---------|--------|
| | TEMP | ISM | PH(FD) | TEMP | ISM | PH(LB) | TEMP | ISM | PH(LB) | TEMP | ISM | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 164.500 | 4.203 | — | 86.790 | 2.220 | — | 129.100 | 3.302 | — | 189.400 | 4.845 | — |
| NA | 1352.000 | 58.812 | — | 1352.000 | 58.812 | — | 1143.000 | 49.721 | — | 2096.000 | 91.176 | — |
| NH4 | | | | | | | | | | | | |
| CA | 302.100 | 15.075 | — | 199.500 | 9.955 | — | 209.800 | 10.469 | — | 489.600 | 24.431 | — |
| MG | 21.770 | 1.791 | — | 95.920 | 7.893 | — | 20.300 | 1.670 | — | 47.140 | 3.879 | — |
| FE | 0.055 | 0.002 | — | 0.144 | 0.005 | — | 0.440 | 0.016 | — | 0.116 | 0.004 | — |
| MN | — | — | — | 1.498 | 0.055 | — | 1.099 | 0.040 | — | 2.260 | 0.082 | — |
| ZN | — | — | — | — | — | — | — | — | — | — | — | — |
| CU | — | — | — | — | — | — | — | — | — | — | — | — |
| PB | — | — | — | — | — | — | — | — | — | — | — | — |
| AL | — | — | — | — | — | — | 3.698 | 0.411 | — | 0.847 | 0.094 | — |
| CL | 2721.000 | 76.759 | — | 2600.000 | 73.346 | — | 2213.000 | 62.429 | — | 4242.000 | 119.667 | — |
| BR | — | — | — | — | — | — | — | — | — | — | — | — |
| I | — | — | — | — | — | — | — | — | — | — | — | — |
| F | — | — | — | — | — | — | — | — | — | — | — | — |
| OH | — | — | — | — | — | — | — | — | — | — | — | — |
| S04 | 121.500 | 2.530 | — | 183.300 | 3.816 | — | 104.000 | 2.165 | — | 158.200 | 3.294 | — |
| S203 | — | — | — | — | — | — | — | — | — | — | — | — |
| HC03 | 37.210 | 0.610 | — | 110.000 | 1.803 | — | 62.830 | 1.030 | — | 96.260 | 1.578 | — |
| CO3 | — | — | — | — | — | — | — | — | — | — | — | — |
| ST02 (MG/KG) (MMOL/KG) | 141.859 | 2.362 | — | 108.856 | 1.812 | — | 174.862 | 2.911 | — | 148.013 | 2.464 | — |
| HB02 | — | — | — | — | — | — | — | — | — | — | — | — |
| H3P04 | — | — | — | — | — | — | — | — | — | — | — | — |
| HAS02 | — | — | — | — | — | — | — | — | — | — | — | — |
| CO2 | 16.370 | 0.372 | — | 24.730 | 0.562 | — | 23.360 | 0.531 | — | 9.407 | 0.214 | — |
| H2S | — | — | — | — | — | — | — | — | — | — | — | — |
| RN (*E-10 CURIE/L) | — | 2.650 | — | — | 2.180 | — | — | 3.220 | — | — | 1.780 | — |
| NA/K | 13.977 | 26.491 | — | 26.491 | 15.056 | — | 15.056 | 15.056 | — | 18.819 | 18.819 | — |
| CA/(HC03+CO3) | 24.718 | 5.522 | — | 5.522 | 10.166 | — | 10.166 | 10.166 | — | 15.485 | 15.485 | — |
| MG/CA | 0.119 | 0.793 | — | 0.793 | 0.160 | — | 0.160 | 0.160 | — | 0.159 | 0.159 | — |
| NA/CA | 3.901 | 5.908 | — | 5.908 | 4.749 | — | 4.749 | 4.749 | — | 3.732 | 3.732 | — |
| CL/(HC03+CO3) | 125.862 | 40.682 | — | 40.682 | 60.623 | — | 60.623 | 60.623 | — | 75.849 | 75.849 | — |
| CL/F | — | — | — | — | — | — | — | — | — | — | — | — |
| CL*100/(CL+S04+HC03+CO3) | 96.071 | 92.884 | — | 92.884 | 95.131 | — | 95.131 | 95.131 | — | 96.088 | 96.088 | — |
| S04*100/(CL+S04+HC03+CO3) | 3.166 | 4.833 | — | 4.833 | 3.300 | — | 3.300 | 3.300 | — | 2.645 | 2.645 | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.763 | 2.283 | — | 2.283 | 1.569 | — | 1.569 | 1.569 | — | 1.267 | 1.267 | — |
| (NA+K)*100/(NA+K+CA+MG) | 78.887 | 77.373 | — | 77.373 | 81.370 | — | 81.370 | 81.370 | — | 77.230 | 77.230 | — |
| CA*100/(NA+K+CA+MG) | 18.870 | 12.620 | — | 12.620 | 16.066 | — | 16.066 | 16.066 | — | 19.650 | 19.650 | — |
| MG*100/(NA+K+CA+MG) | 2.243 | 10.007 | — | 10.007 | 2.564 | — | 2.564 | 2.564 | — | 3.120 | 3.120 | — |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.237 | 97.717 | — | 97.717 | 98.431 | — | 98.431 | 98.431 | — | 98.733 | 98.733 | — |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.763 | 2.283 | — | 2.283 | 1.569 | — | 1.569 | 1.569 | — | 1.267 | 1.267 | — |
| (NA+K)*100/(NA+K+CA+MG) | 78.887 | 77.373 | — | 77.373 | 81.370 | — | 81.370 | 81.370 | — | 77.230 | 77.230 | — |
| (CA+MG)*100/(NA+K+CA+MG) | 21.113 | 22.627 | — | 22.627 | 18.630 | — | 18.630 | 18.630 | — | 22.770 | 22.770 | — |

第29-2表 薩南地域水質一覧表(つづき)

| | STC 13 | STC 14 | STC 15 | STC 16 |
|----------------------------------|-----------|----------|----------|----------|
| NO | 69.0 | 72.0 | 61.0 | 45.5 |
| TEMP | 11542.000 | 4820.000 | 3269.000 | 1244.000 |
| TSM | 6.90 | 6.80 | 6.80 | 6.70 |
| PH(FD) | - | - | 7.20 | 7.20 |
| PH(LB) | - | - | - | - |
| H (MG/KG)(MVAL/KG) | - | - | - | - |
| K | 598.200 | 105.400 | 132.300 | 42.110 |
| NA | 3323.000 | 1370.000 | 865.800 | 295.600 |
| NH4 | - | - | - | - |
| CA | 636.500 | 31.761 | 205.000 | 59.520 |
| MG | 201.100 | 16.549 | 1.976 | 7.170 |
| FE | 0.642 | 0.023 | 0.640 | 0.590 |
| MN | 0.686 | 0.025 | 0.103 | 0.044 |
| ZN | - | 0.750 | 0.027 | 0.350 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.081 | 0.180 | 4.130 | 0.432 |
| Cl: | 6973.000 | 194.734 | 1702.000 | 451.200 |
| BR | 2.877 | 0.036 | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 575.410 | 11.980 | 133.500 | 115.200 |
| S203 | - | - | - | - |
| HC03 | 87.440 | 1.433 | 100.100 | 140.800 |
| C03 | - | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 205.711 | 3.425 | 154.399 | 158.630 |
| HB02 | - | - | - | - |
| H3P04 | 0.392 | 0.004 | 0.343 | - |
| HAS02 | - | - | - | - |
| C02 | 64.250 | 1.460 | 13.200 | 46.200 |
| H2S | - | - | - | - |
| RN (*F-10 CURTIE/L) | 2.500 | 0.800 | 2.000 | 1.940 |
| NA/K | 9.447 | 22.104 | 11.129 | 11.937 |
| CA/(HC03+C03) | 22.162 | 8.899 | 6.235 | 1.287 |
| MG/CA | 0.521 | 0.190 | 0.063 | 0.199 |
| NA/CA | 4.551 | 5.745 | 3.682 | 4.329 |
| CL/(HC03+C03) | 135.879 | 61.220 | 29.265 | 5.316 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 93.556 | 95.760 | 91.570 | 73.007 |
| S04*100/(CL+S04+HC03+C03) | 5.755 | 2.676 | 5.301 | 13.757 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.689 | 1.564 | 3.129 | 13.236 |
| (NA+K)*100/(NA+K+CA+MG) | 76.792 | 83.454 | 79.063 | 79.652 |
| CA*100/(NA+K+CA+MG) | 15.258 | 13.899 | 19.704 | 16.976 |
| MG*100/(NA+K+CA+MG) | 7.950 | 2.647 | 1.233 | 3.372 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.311 | 98.436 | 96.871 | 86.764 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.689 | 1.564 | 3.129 | 13.236 |
| (NA+K)*100/(NA+K+CA+MG) | 76.792 | 83.454 | 79.063 | 79.652 |
| (CA+MG)*100/(NA+K+CA+MG) | 23.208 | 16.546 | 20.937 | 20.348 |

第29-2表 陸南地域水質一覧表(つづき)

| NO | STC 17 | STC 18 | STC 19 | STC 20 |
|---|-----------|-----------|----------|-----------|
| TEMP | 58.0 | 70.0 | 65.0 | 56.0 |
| TSM | 11100.000 | 11940.000 | 4709.000 | 17724.000 |
| PH(FD) | 6.80 | 7.00 | 6.80 | 7.20 |
| PH(LB) | 7.00 | 7.00 | 6.80 | 7.20 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 221.800 | 274.700 | 131.500 | 434.400 |
| NA | 3093.000 | 3547.000 | 1088.000 | 4632.000 |
| NH4 | 1.116 | 1.566 | 0.087 | - |
| CA | 409.600 | 485.800 | 20.319 | 810.000 |
| MG | 167.500 | 154.700 | 18.520 | 364.600 |
| FE | 0.237 | 0.215 | 0.008 | 4.272 |
| MN | 0.820 | 0.750 | 0.027 | 3.600 |
| ZN | - | - | 0.700 | 0.131 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.090 | 0.090 | 0.449 | 0.382 |
| CL | 5907.000 | 6552.000 | 2375.000 | 9190.000 |
| BR | 5.612 | 16.660 | 0.209 | 259.250 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 563.200 | 480.000 | 9.994 | 1057.000 |
| S203 | - | - | - | - |
| HCO3 | 122.000 | 130.000 | 5.261 | 142.600 |
| CO3 | - | - | 0.933 | 2.337 |
| ST02 (MG/KG)(MMOL/KG) | 129.012 | 132.627 | 188.402 | 232.021 |
| HB02 | 44.020 | 32.450 | 17.940 | 15.640 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 43.800 | 69.080 | 1.569 | 58.090 |
| H2S | - | - | - | - |
| RN (*E-10 CHLIE/L) | 2.300 | 1.590 | 1.610 | 4.840 |
| NA/K | 23.714 | 21.958 | 14.070 | 18.133 |
| CA/(HCO3+CO3) | 10.222 | 10.677 | 21.777 | 17.294 |
| MG/CA | 0.674 | 0.560 | 0.075 | 0.742 |
| NA/CA | 6.583 | 6.782 | 2.329 | 4.985 |
| CL/(HCO3+CO3) | 32.449 | 86.747 | 71.804 | 110.923 |
| CL/F | - | - | - | - |
| CL*10 ³ /(CL+S04+HCO3+CO3) | 92.315 | 93.844 | 91.537 | 91.416 |
| S04*10 ³ /(CL+S04+HCO3+CO3) | 5.563 | 5.074 | 7.188 | 7.760 |
| (HCO3+CO3)*10 ³ /(CL+S04+HCO3+CO3) | 1.119 | 1.082 | 1.275 | 0.824 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 80.382 | 81.972 | 69.886 | 75.118 |
| CA*10 ³ /(NA+K+CA+MG) | 11.717 | 11.560 | 28.013 | 14.281 |
| MG*10 ³ /(NA+K+CA+MG) | 7.902 | 6.469 | 2.101 | 10.601 |
| (CL+S04)*10 ³ /(CL+S04+HCO3+CO3) | 98.321 | 98.918 | 98.725 | 99.176 |
| (HCO3+CO3)*10 ³ /(CL+S04+HCO3+CO3) | 1.119 | 1.082 | 1.275 | 0.824 |
| (NA+K)*10 ³ /(NA+K+CA+MG) | 81.332 | 81.972 | 69.886 | 75.118 |
| (CA+MG)*10 ³ /(NA+K+CA+MG) | 10.618 | 18.028 | 30.114 | 24.882 |

第24-2表 陸南地域水質一覽表 (つづき)

| | STC 21 | STC 22 | STC 23 | STC 24 |
|----------------------------------|----------|----------|-----------|----------|
| NO | 49.5 | 61.5 | 83.5 | 69.5 |
| TEMP | 2806.000 | 5896.000 | 14800.000 | 5089.000 |
| TSM | 2.00 | 7.00 | 7.00 | 7.00 |
| PH(FD) | 8.00 | 8.00 | 6.92 | 6.95 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 59.260 | 134.400 | 298.400 | 179.400 |
| NA | 815.100 | 1693.000 | 6045.000 | 1634.000 |
| NH4 | | 0.224 | 2.440 | 1.997 |
| CA | 120.000 | 297.200 | 670.400 | 136.500 |
| MG | 19.210 | 44.140 | 188.800 | 33.420 |
| FE | 0.042 | 0.062 | 1.560 | 2.750 |
| MN | | 0.284 | 3.400 | 1.845 |
| ZN | | | | 1.552 |
| CU | | | | |
| PB | | | | |
| AL | 1.800 | 0.075 | 0.165 | 0.770 |
| CL | 1440.000 | 3085.000 | 7652.000 | 2883.000 |
| BR | | | | 6.640 |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 87.080 | 1.313 | 6.839 | 139.500 |
| S203 | | | | |
| HC03 | 140.400 | 2.301 | 0.870 | 79.620 |
| CO3 | | | | 0.039 |
| ST02 (MG/KG) (MHOL/KG) | 97.674 | 1.625 | 146.013 | 203.326 |
| H3P04 | | | | 2.431 |
| HAS02 | 1.276 | 0.013 | | |
| C02 | 6.600 | 0.150 | 0.030 | |
| H2S | | | 55.600 | 19.140 |
| RN (*-10 CURIE/L) | 0.710 | 5.000 | 4.900 | 2.500 |
| NA/K | 23.390 | 21.421 | 34.450 | 15.489 |
| CA/(HC03+CO3) | 2.602 | 7.309 | 10.841 | 5.214 |
| MG/CA | 0.264 | 0.245 | 0.464 | 0.404 |
| NA/CA | 5.921 | 4.866 | 7.861 | 10.435 |
| CL/(HC03+CO3) | 17.653 | 42.890 | 69.955 | 62.261 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 69.804 | 90.752 | 92.506 | 95.078 |
| S04*100/(CL+S04+HC03+CO3) | 4.053 | 7.132 | 6.172 | 3.395 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.146 | 2.116 | 1.322 | 1.527 |
| (NA+K)*100/(NA+K+CA+MG) | 87.007 | 80.677 | 84.671 | 88.781 |
| CA*100/(NA+K+CA+MG) | 13.404 | 15.522 | 10.868 | 7.992 |
| MG*100/(NA+K+CA+MG) | 3.548 | 3.807 | 4.861 | 3.227 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 94.856 | 97.884 | 98.678 | 98.473 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 5.146 | 2.116 | 1.322 | 1.527 |
| (NA+K)*100/(NA+K+CA+MG) | 87.007 | 80.677 | 84.671 | 88.781 |
| (CA+MG)*100/(NA+K+CA+MG) | 16.993 | 19.323 | 15.329 | 11.219 |

第 29-2 表 薩南地域水質一覽表 (つづき)

| | STC 25 | STC 26 | STC 27 | STC 28 |
|----------------------------------|-----------|---------|---------|-----------|
| NO | | | | |
| TEMP | 76.0 | 88.0 | 51.5 | 89.0 |
| TSM | 7352.000 | 270.400 | 428.000 | 8754.000 |
| PH(FD) | 4.00 | 5.40 | 7.20 | 4.00 |
| PH(CLB) | 3.75 | 5.40 | 7.20 | 4.10 |
| H (MG/KG)(MVAL/°C) | 0.181 | 0.180 | - | 0.101 |
| K | 312.600 | 4.232 | 12.350 | 343.200 |
| NA | 1950.000 | 4.850 | 31.100 | 2390.000 |
| NH4 | 1.508 | 0.211 | - | 1.768 |
| CA | 388.800 | 1.120 | - | 0.098 |
| MG | 12.620 | 12.430 | 36.740 | 560.800 |
| FE | 28.280 | 4.893 | 15.080 | 15.300 |
| MN | 1.992 | 0.200 | 2.800 | 10.200 |
| ZN | - | - | - | 1.620 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 1.250 | 7.783 | 0.120 | 3.750 |
| CL | 3265.000 | 0.100 | 0.685 | 4645.000 |
| BR | 11.410 | 3.560 | 24.290 | 7.326 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 366.606 | 70.950 | 57.450 | 587.951 |
| S203 | - | 0.353 | - | - |
| HCO3 | 0.198 | 38.290 | 186.300 | 0.244 |
| CO3 | - | - | - | - |
| ST02 (MG/KG)(MMOL/KG) | 119.318 | 103.169 | 141.167 | 125.627 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 87.890 | 359.000 | 30.670 | 18.300 |
| H2S | 0.409 | - | - | 0.255 |
| RN (*E-10 CURIE/L) | 4.200 | 5.700 | 3.110 | 2.200 |
| NA/K | 10.826 | 1.949 | 4.282 | 11.842 |
| CA/(HCO3+CO3) | 5972.368 | 0.988 | 0.600 | 6997.449 |
| MG/CA | 0.054 | 0.649 | 0.677 | 0.045 |
| NA/CA | 4.462 | 0.340 | 0.738 | 3.715 |
| CL/(HCO3+CO3) | 33597.614 | 0.160 | 0.224 | 32765.743 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 93.455 | 4.554 | 13.886 | 91.454 |
| S04*100/(CL+S04+HCO3+CO3) | 6.542 | 66.987 | 24.238 | 8.543 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.003 | 28.459 | 61.876 | 0.003 |
| (NA+K)*100/(NA+K+CA+MG) | 92.227 | 23.785 | 35.184 | 79.404 |
| CA*100/(NA+K+CA+MG) | 16.870 | 46.214 | 38.653 | 19.709 |
| MG*100/(NA+K+CA+MG) | 0.903 | 30.000 | 26.163 | 0.887 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.997 | 71.541 | 38.124 | 99.997 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.003 | 28.459 | 61.876 | 0.003 |
| (NA+K)*100/(NA+K+CA+MG) | 82.227 | 23.785 | 35.184 | 79.404 |
| (CA+MG)*100/(NA+K+CA+MG) | 17.773 | 76.215 | 64.816 | 20.596 |

第 29-2 表 薩南地域水質一覽表 (つづき)

| NO | TEMP | TSM | PH(PH) | PH(LB) | STC 29 | | STC 30 | | STC 31 | | STC 32 | |
|----------------------------------|----------|----------|-----------|----------|----------|--------|----------|--------|--------|------|--------|------|
| | | | | | 57.0 | 82.0 | 51.5 | 42.0 | 51.5 | 42.0 | 51.5 | 42.0 |
| | | 5350.000 | 12501.000 | 3769.000 | 3138.000 | | | | | | | |
| | | 6.80 | 7.20 | 7.10 | 7.40 | | | | | | | |
| | | 6.80 | 7.20 | 7.10 | 7.50 | | | | | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 150.700 | 3.855 | 978.700 | 25.035 | 251.300 | 6.428 | 252.100 | 6.449 | | | | |
| NA | 1489.000 | 64.772 | 2571.000 | 111.839 | 730.700 | 31.785 | 649.600 | 28.258 | | | | |
| NH4 | | | 0.500 | 0.028 | 0.750 | 0.042 | | | | | | |
| CA | 260.800 | 13.014 | 372.200 | 18.573 | 191.200 | 9.541 | 333.700 | 16.652 | | | | |
| MG | 49.370 | 4.063 | 240.100 | 19.758 | 24.540 | 2.019 | 33.610 | 2.766 | | | | |
| FE | 0.175 | 0.006 | 0.020 | 0.001 | 0.150 | 0.005 | 0.500 | 0.018 | | | | |
| MN | 1.280 | 0.047 | 5.400 | 0.197 | 0.600 | 0.022 | | | | | | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | 1.255 | 0.140 | 0.010 | 0.001 | 7.993 | 0.889 | | | | | | |
| CL | 2837.000 | 80.032 | 5762.000 | 162.546 | 1561.000 | 44.036 | 1488.000 | 41.976 | | | | |
| BR | 5.727 | 0.072 | | | | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | | | 0.003 | 0.000 | 0.003 | 0.000 | | | | | | |
| S04 | 197.500 | 4.112 | 489.800 | 10.198 | 143.900 | 2.996 | 97.600 | 2.032 | | | | |
| S203 | | | | | | | | | | | | |
| HCO3 | 118.000 | 1.934 | 183.900 | 3.096 | 242.900 | 3.981 | 622.000 | 10.195 | | | | |
| CO3 | | | 0.132 | 0.004 | 0.066 | 0.002 | 1.200 | 0.040 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 177.247 | 2.951 | 164.691 | 2.742 | 68.219 | 1.136 | 104.086 | 1.733 | | | | |
| HE02 | | | | | | | | | | | | |
| H3P04 | | | | | | | | | | | | |
| HAS02 | | | 0.097 | 0.001 | 0.076 | 0.001 | | | | | | |
| CO2 | 44.330 | 1.007 | 28.610 | 0.650 | 46.340 | 1.053 | 47.840 | 1.087 | | | | |
| H2S | | | | | | | | | | | | |
| RN (#F-10 CURTE/L) | | 1.600 | | 4.870 | | 0.980 | | 5.700 | | | | |
| NA/K | | 16.802 | | 4.467 | | 4.945 | | 4.382 | | | | |
| CA/(HCO3+CO3) | | 6.729 | | 5.990 | | 2.397 | | 1.627 | | | | |
| MG/CA | | 0.312 | | 1.064 | | 0.212 | | 0.166 | | | | |
| NA/CA | | 4.977 | | 6.022 | | 3.332 | | 1.697 | | | | |
| CL/(HCO3+CO3) | | 41.381 | | 52.426 | | 11.055 | | 4.101 | | | | |
| CL/F | | | | | | | | | | | | |
| CL*100/(CL+S04+HCO3+CO3) | | 92.976 | | 92.438 | | 86.319 | | 77.386 | | | | |
| S04*100/(CL+S04+HCO3+CO3) | | 4.777 | | 5.799 | | 5.873 | | 3.746 | | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | | 2.247 | | 1.763 | | 7.808 | | 18.868 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | 80.075 | | 78.122 | | 76.774 | | 64.124 | | | | |
| CA*100/(NA+K+CA+MG) | | 15.185 | | 10.601 | | 19.168 | | 30.766 | | | | |
| MG*100/(NA+K+CA+MG) | | 4.740 | | 11.277 | | 4.057 | | 5.110 | | | | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | | 97.753 | | 98.237 | | 92.192 | | 81.132 | | | | |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | | 2.247 | | 1.763 | | 7.808 | | 18.868 | | | | |
| (NA+K)*100/(NA+K+CA+MG) | | 80.075 | | 78.122 | | 76.774 | | 64.124 | | | | |
| (CA+MG)*100/(NA+K+CA+MG) | | 19.925 | | 21.878 | | 23.226 | | 35.876 | | | | |

第 29-2 表 薩南地域水質一覽表 (つづき)

| | STC 33 | STC 34 | STC 35 | STC 36 |
|----------------------------------|----------|-----------|-----------|-----------|
| NO | 48.2 | 62.3 | 75.5 | 51.2 |
| TEMP | 6665.000 | 21462.000 | 69222.000 | 35222.000 |
| TSM | 7.00 | 8.40 | 7.80 | 7.60 |
| PH(FD) | 6.50 | 8.10 | 7.50 | 7.75 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 160.500 | 4.106 | 327.600 | 177.600 |
| NA | 1644.000 | 71.514 | 1874.000 | 828.900 |
| NH4 | | | 1.358 | |
| CA | 291.000 | 14.521 | 590.000 | 183.200 |
| MG | 159.900 | 13.158 | 481.400 | 10.650 |
| FE | 4.930 | 0.177 | 36.490 | 0.020 |
| MN | 3.050 | 0.111 | | 0.761 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.950 | 0.106 | | |
| CL | 3553.000 | 94.588 | 3871.000 | 1703.000 |
| BR | 16.120 | 0.202 | 0.442 | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 423.240 | 8.811 | 331.000 | 123.300 |
| S203 | | | | |
| HCO3 | 54.420 | 0.892 | 97.510 | 9.318 |
| CO3 | | | 0.696 | 0.003 |
| SI02 (MG/Y/G)(MMDL/KG) | 122.780 | 2.944 | 203.557 | 168.586 |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 40.830 | 0.928 | 7.543 | 0.440 |
| H2S | | | | |
| RN (*E-10 CURPIE/L) | 3.200 | 1.200 | 0.730 | 6.910 |
| NA/K | 17.419 | 31.669 | 9.728 | 7.937 |
| CA/(HCO3+CO3) | 16.260 | 10.999 | 15.465 | 59.819 |
| MG/CA | 0.206 | 1.346 | 0.120 | 0.096 |
| NA/CA | 4.225 | 6.229 | 3.251 | 3.944 |
| CL/(HCO3+CO3) | 106.047 | 118.486 | 67.550 | 314.363 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 90.696 | 90.767 | 92.768 | 94.642 |
| S04*100/(CL+S04+HCO3+CO3) | 8.448 | 8.467 | 5.854 | 5.057 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.855 | 0.766 | 1.377 | 0.301 |
| (NA+K)*100/(NA+CA+MG) | 73.205 | 80.232 | 76.201 | 80.209 |
| CA*100/(NA+CA+MG) | 14.057 | 8.428 | 21.254 | 18.060 |
| MG*100/(NA+CA+MG) | 12.738 | 11.340 | 2.545 | 1.731 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.145 | 99.234 | 98.623 | 99.699 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.855 | 0.766 | 1.377 | 0.301 |
| (NA+K)*100/(NA+CA+MG) | 73.205 | 80.232 | 76.201 | 80.209 |
| (CA+MG)*100/(CA+K+CA+MG) | 26.705 | 19.768 | 23.759 | 19.791 |

第 29-2 表 薩南地域水質一覽表 (つづき)

| NO | STC 37 | STC 38 | STC 39 | STC 40 |
|----------------------------------|----------|-----------|----------|----------|
| TEMP | 50.5 | 79.0 | 42.5 | 46.2 |
| TSM | 5490.000 | 12922.000 | 2948.000 | - |
| PH(FD) | 6.85 | 7.05 | 6.90 | 6.80 |
| PH(LB) | 7.15 | 7.05 | 6.90 | 6.80 |
| H (MG/KG) (NVAL/KG) | - | - | - | - |
| K | 149.700 | 3.829 | 54.100 | 78.990 |
| NA | 1643.000 | 71.471 | 3987.000 | 1078.000 |
| NH4 | 2.159 | 0.170 | 0.179 | 0.720 |
| CA | 185.790 | 9.266 | 567.100 | 166.200 |
| MG | 127.000 | 10.451 | 193.500 | 16.080 |
| FE | 13.170 | 0.472 | 3.504 | 0.129 |
| MN | 1.656 | 0.060 | 1.706 | 0.647 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 2.621 | 0.291 | 0.100 | 1.005 |
| CL | 3129.000 | 88.269 | 7471.000 | 1954.000 |
| BP | 8.146 | 0.102 | 17.180 | 5.658 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 292.300 | 6.086 | 569.200 | 90.700 |
| S203 | - | - | - | - |
| HC03 | 154.200 | 2.827 | 117.300 | 102.300 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 142.637 | 2.375 | 157.014 | 143.013 |
| HR02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 48.100 | 1.095 | 17.310 | 26.820 |
| H2S | - | - | - | - |
| RN (*I-10 CURIE/L) | 1.790 | 4.660 | 3.540 | 2.580 |
| NA/K | 18.664 | 28.778 | 28.906 | 23.208 |
| CA/(HC03+CO2) | 3.666 | 14.719 | 3.970 | 4.946 |
| MG/CA | 1.128 | 0.563 | 0.588 | 0.160 |
| NA/CA | 7.713 | 6.129 | 6.332 | 5.654 |
| CL/(HC03+CO2) | 4.976 | 109.624 | 30.406 | 32.876 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 41.110 | 93.866 | 92.614 | 93.925 |
| S04*100/(CL+S04+HC03+CO3) | 6.282 | 5.278 | 4.340 | 3.218 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.609 | 0.856 | 3.046 | 2.857 |
| (NA+K)*100/(NA+K+CA+MG) | 76.249 | 80.230 | 80.492 | 83.570 |
| CA*100/(NA+K+CA+MG) | 9.752 | 12.651 | 12.287 | 14.169 |
| MG*100/(NA+K+CA+MG) | 16.899 | 7.119 | 7.221 | 2.261 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97.391 | 99.144 | 96.954 | 97.143 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.609 | 0.856 | 3.046 | 2.857 |
| (NA+K)*100/(NA+K+CA+MG) | 76.249 | 80.230 | 80.492 | 83.570 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.751 | 19.770 | 19.508 | 16.430 |

第29-2表 薩南地域水質一覽表 (つづき)

| NO | STC 41 | | | STC 42 | | | STC 43 | | | STC 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------|----------|--------|--------|--------------------|--------|--------|---------|---------|--------|-------|-------|----|----|-------|----------|----------|-------|---|---|---------|----------|----------|--------|---------|------------------------|------|-------|--------|--------|--------|--------------------|--------|---------------|--------|---------|---------------|--------|--------------------------|---------------------------|----------------------------------|-------------------------|---------------------|---------------------|--------------------------------|----------------------------------|-------------------------|
| | TEMP | TSM | PH(FD) | PH(LB) | H (MG/KG)(MVAL/KG) | K | NA | NH4 | CA | MG | FE | MN | ZN | CU | PB | AL | CL | BR | I | F | OH | SO4 | S2O3 | HC03 | CO3 | SI02 (MG/KG) (*MPL/KG) | HB02 | H3PO4 | HAS02 | CO2 | H2S | RN (*E-10 CURIE/L) | NA/K | CA/(HC03+CO3) | MG/CA | NA/CA | CL/(HC03+CO3) | CL/F | CL*100/(CL+SO4+HC03+CO3) | SO4*100/(CL+SO4+HC03+CO3) | (HC03+CO3)*100/(CL+SO4+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) | CA*100/(NA+K+CA+MG) | MG*100/(NA+K+CA+MG) | (CL+SO4)*100/(CL+SO4+HC03+CO3) | (HC03+CO3)*100/(CL+SO4+HC03+CO3) | (NA+K)*100/(NA+K+CA+MG) |
| | 65.0 | 5569.000 | 6.30 | 6.30 | 138.600 | 3,545 | 69,818 | 0.360 | 276,590 | 18,230 | 0.240 | 1.264 | - | - | - | 1.005 | 3025.000 | 6.809 | - | - | - | 120.400 | 1732.000 | 0.360 | 45.0 | 185.786 | - | - | - | 66.580 | 2.570 | 12.692 | 10.365 | 0.109 | 5.060 | 64.104 | 95.637 | 2.820 | 1.493 | 82.746 | 15.562 | 1.692 | 98.507 | 1.493 | 32.746 | 17.254 | |
| | 52.0 | 5929.000 | 6.78 | 6.78 | 1505.000 | 69,818 | 0.020 | 18,230 | 18,230 | 0.240 | 1.264 | - | - | - | - | 1.005 | 6.809 | - | - | - | 120.400 | 1732.000 | 0.360 | 45.0 | 185.786 | - | - | - | - | 2.570 | 2.450 | 24.463 | 76.683 | 0.318 | 6.409 | 590.468 | 96.144 | 3.693 | 0.163 | 83.507 | 12.519 | 3.975 | 99.837 | 0.163 | 83.507 | 16.493 | |
| | 43.5 | 7648.000 | 7.00 | 7.60 | 110.600 | 3,080 | 3,774 | 285.000 | 192.300 | 0.011 | 0.319 | - | - | - | 0.008 | 3801.000 | 0.655 | - | - | - | 110.600 | 1849.000 | 0.209 | 18.918 | 101.172 | - | - | - | 19.800 | 2.340 | 29.045 | 9.807 | 1.113 | 5.778 | 73.940 | 92.026 | 6.729 | 1.245 | 73.884 | 12.362 | 13.755 | 98.755 | 1.245 | 73.884 | 26.116 | | |
| | 45.0 | 2098.000 | 7.00 | 7.48 | 186.300 | 4,342 | 3,774 | 36,690 | 10,310 | 0.012 | - | - | - | - | 0.210 | 993.800 | - | - | - | - | 186.300 | 4,342 | 0.209 | 18.918 | 101.172 | - | - | - | 7.614 | 4.400 | 3.970 | 1.131 | 0.463 | 10.333 | 90.904 | 3.849 | 5.247 | 89.837 | 6.945 | 3.218 | 94.753 | 5.247 | 89.837 | 10.163 | | | |

第29-2表 薩南地域水質一覽表 (つづき)

| | STC 45 | STC 46 | STC 47 | STC 48 |
|----------------------------------|------------|-----------|---------|----------|
| NO | 96.0 | 67.5 | 17.0 | 44.0 |
| TEMP | 14.351.000 | 22796.000 | 185.300 | 1308.000 |
| TSM | 8.10 | 7.30 | 6.55 | 7.65 |
| PH(FD) | 7.90 | 7.15 | 6.85 | - |
| PH(LB) | - | - | - | - |
| H ₂ O(MG/KG)(MVAL/KG) | - | - | - | - |
| K | 567.900 | 295.100 | 4.395 | 20.320 |
| NA | 4569.000 | 6991.000 | 9.747 | 275.800 |
| NR4 | 7.378 | 1.599 | - | - |
| CA | 203.500 | 1183.000 | 11.240 | 58.870 |
| MG | 33.270 | 92.890 | 8.974 | 8.571 |
| FE | 2.800 | 1.019 | 3.6160 | 3.532 |
| MN | T.R. | 0.320 | 0.856 | T.R. |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.056 | 1.411 | 0.629 | 0.313 |
| CL | 7867.000 | 12442.000 | 19.610 | 454.100 |
| BR | - | - | - | 21.490 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| SO4 | 148.200 | 1495.000 | 0.389 | 114.800 |
| S2O3 | - | - | - | - |
| HC03 | 117.000 | 121.700 | 151.500 | 113.100 |
| CO3 | 0.060 | - | - | - |
| SI02 (MG/KG)(MMOL/KG) | 270.020 | 85.811 | 36.642 | 128.858 |
| HR02 | - | - | - | - |
| H3PO4 | 0.732 | - | - | - |
| HAS02 | 3.653 | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | - | - | - |
| RN (*E-10 CURIE/L) | 5.100 | 3.120 | 15.790 | 0.680 |
| NA/K | 13.682 | 40.286 | 3.771 | 22.914 |
| CA/(HC03+CO3) | 5.290 | 29.595 | 0.226 | 1.585 |
| MG/CA | 0.270 | 0.129 | 1.317 | 0.240 |
| NA/CA | 19.572 | 5.152 | 0.756 | 4.054 |
| CL/(HC03+CO3) | 115.610 | 175.964 | 0.223 | 6.911 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 97.794 | 91.377 | 18.171 | 75.115 |
| S04*100/(CL+S04+HC03+CO3) | 1.360 | 8.103 | 0.266 | 14.015 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.846 | 0.519 | 81.563 | 10.870 |
| (NA+K)*100/(NA+K+CA+MG) | 94.300 | 82.376 | 29.220 | 77.335 |
| CA*100/(NA+K+CA+MG) | 4.490 | 15.603 | 30.553 | 18.277 |
| MG*100/(NA+K+CA+MG) | 1.210 | 2.020 | 40.227 | 4.388 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 99.154 | 99.481 | 18.437 | 89.130 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 0.846 | 0.519 | 81.563 | 10.870 |
| (NA+K)*100/(NA+K+CA+MG) | 94.300 | 82.376 | 29.220 | 77.335 |
| (CA+MG)*100/(NA+K+CA+MG) | 5.770 | 17.624 | 70.780 | 22.665 |

第 29-2 表 薩南地域水質一覽表 (つづき)

| | STC 49 | STC 50 | STC 51 | STC 52 |
|----------------------------------|-----------|----------|----------|-----------|
| NO | 96.5 | 56.3 | 50.0 | 81.0 |
| TEMP | 15770.000 | 5242.000 | 7630.000 | 15528.000 |
| TSM | 8.05 | 6.88 | 7.50 | 8.17 |
| PH(FD) | 8.00 | 7.05 | 7.10 | 7.60 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 325.300 | 343.700 | 8.920 | 476.200 |
| NA | 5216.000 | 1346.000 | 58.551 | 4358.000 |
| NH4 | 1.636 | | | 0.265 |
| CA | 122.500 | 16.500 | 0.823 | 625.400 |
| MG | 27.490 | 15.930 | 1.311 | 188.000 |
| FF | 2.340 | 0.020 | 0.001 | 0.117 |
| MN | 0.687 | 3.560 | 0.130 | 1.620 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.307 | 0.072 | 0.008 | 0.135 |
| CL | 7945.000 | 2566.000 | 72.443 | 8276.000 |
| BR | 32.210 | 0.224 | 0.003 | 0.248 |
| I | | | | |
| F | | | | |
| OH | | | | 0.017 |
| S04 | 153.800 | 200.600 | 4.176 | 713.700 |
| S203 | | | | |
| HC03 | 528.400 | 31.220 | 0.512 | 10.550 |
| C03 | | 0.018 | 0.001 | 0.294 |
| S102 (MG/%G)(MMPL/KG) | 308.691 | 0.270 | 0.004 | 0.348 |
| HB02 | | | | |
| H3P04 | | | | |
| H4S02 | | | | |
| C02 | 12.450 | 9.757 | 0.222 | 0.176 |
| H2S | | | | |
| RN (*F-10 CURTE/L) | 1.300 | 5.270 | 6.400 | 2.350 |
| NA/K | 27.267 | 6.564 | 6.452 | 15.563 |
| CA/(HC03+C03) | 0.706 | 1.607 | 1.695 | 170.800 |
| MG/CA | 0.370 | 1.592 | 0.362 | 0.496 |
| NA/CA | 37.118 | 71.113 | 134.508 | 6.075 |
| CL/(HC03+C03) | 25.879 | 141.409 | 237.676 | 1277.771 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 94.973 | 93.921 | 96.896 | 93.947 |
| S04*100/(CL+S04+HC03+C03) | 1.357 | 5.415 | 2.627 | 5.979 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.671 | 0.664 | 0.376 | 0.074 |
| (NA+K)*100/(NA+K+CA+MG) | 97.562 | 96.934 | 99.131 | 81.211 |
| CA*100/(NA+K+CA+MG) | 2.509 | 1.183 | 0.638 | 12.562 |
| MG*100/(NA+K+CA+MG) | 1.929 | 1.883 | 0.231 | 6.227 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 96.330 | 99.336 | 99.624 | 99.926 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.670 | 0.664 | 0.376 | 0.074 |
| (NA+K)*100/(NA+K+CA+MG) | 96.562 | 96.934 | 99.131 | 81.211 |
| (CA+MG)*100/(NA+K+CA+MG) | 3.438 | 3.066 | 0.869 | 18.789 |

第29-2表 陸南地域水質一覽表 (つづき)

| NO | STC 53 | | | STC 54 | | | STC 55 | | | STC 56 | | |
|----------------------------------|----------|--------|--------|-----------|---------|--------|----------|--------|--------|-----------|---------|--------|
| | TEMP | TSM | PH(FD) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) | TEMP | TSM | PH(LB) |
| H (MG/KG) (MVAL/KG) | | | | | | | | | | | | |
| K | 154.500 | 3.952 | | 947.100 | 24.227 | | 166.200 | 4.251 | | 1014.000 | 25.938 | |
| NA | 1617.000 | 79.340 | | 8799.000 | 382.757 | | 1523.000 | 66.251 | | 5944.000 | 258.564 | |
| NH4 | | | | 0.116 | 0.006 | | | | | 1.082 | 0.060 | |
| CA | 6.273 | 0.313 | | 1.910 | 0.095 | | 18.240 | 0.910 | | 632.100 | 31.542 | |
| MG | 0.158 | 0.013 | | 365.400 | 30.069 | | 11.430 | 0.941 | | 532.300 | 43.803 | |
| FE | 0.039 | 0.001 | | 4.243 | 0.152 | | 0.112 | 0.004 | | 2.830 | 0.101 | |
| MN | 0.033 | 0.001 | | 1.008 | 0.037 | | | | | 1.551 | 0.056 | |
| ZN | | | | | | | | | | | | |
| CU | | | | | | | | | | | | |
| PB | | | | | | | | | | | | |
| AL | 0.091 | 0.010 | | 2.616 | 0.291 | | 0.018 | 0.002 | | 0.150 | 0.017 | |
| CL | 2405.000 | 68.973 | | 14520.000 | 409.609 | | 2393.000 | 67.507 | | 11633.000 | 328.167 | |
| BR | 0.229 | 0.003 | | 0.679 | 0.009 | | | | | | | |
| I | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| OH | | | | | | | | | | | | |
| S04 | 236.500 | 4.924 | | 1255.000 | 26.129 | | 223.200 | 0.017 | | 0.017 | 0.001 | |
| S203 | | | | | | | | | | 142.600 | 2.969 | |
| HCO3 | 2.514 | 0.041 | | 10.650 | 0.175 | | 1.074 | 0.018 | | 112.800 | 1.849 | |
| CO3 | 20.510 | 0.694 | | 2.510 | 0.097 | | 9.350 | 0.312 | | 0.342 | 0.011 | |
| ST02 (MG/KG) (MMOL/KG) | | | | | | | | | | | | |
| HB02 | 0.235 | 0.004 | | 2.661 | 0.044 | | 0.535 | 0.009 | | 746.562 | 12.430 | |
| H3P04 | | | | | | | | | | | | |
| H4S02 | | | | | | | | | | | | |
| CO2 | 78.210 | 1.777 | | 4.269 | 0.097 | | 0.220 | 0.005 | | 2.711 | 0.062 | |
| H2S | | | | | | | | | | | | |
| RN (*E-10 CURTE/L) | | 4.240 | | 10.040 | | | 2.570 | | | 2.000 | | |
| NA/K | 17.798 | | | 15.799 | | | 15.583 | | | 9.968 | | |
| CA/(HC03+CO3) | 0.432 | | | 0.351 | | | 2.764 | | | 16.956 | | |
| MG/CA | 0.042 | | | 315.687 | | | 1.033 | | | 1.389 | | |
| NA/CA | 224.711 | | | 4015.953 | | | 72.789 | | | 8.198 | | |
| CL/F | 95.162 | | | 1508.446 | | | 205.038 | | | 1.76.416 | | |
| CL*100/(CL+S04+HCO3+CO3) | 92.430 | | | 93.945 | | | 93.135 | | | 98.550 | | |
| S04*100/(CL+S04+HCO3+CO3) | 6.598 | | | 5.993 | | | 6.411 | | | 0.892 | | |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 0.971 | | | 0.062 | | | 0.454 | | | 0.559 | | |
| (NA+K)*100/(NA+K+CA+MG) | 99.563 | | | 93.100 | | | 97.442 | | | 79.062 | | |
| CA*100/(NA+K+CA+MG) | 0.420 | | | 0.022 | | | 1.258 | | | 8.765 | | |
| MG*100/(NA+K+CA+MG) | 0.017 | | | 6.878 | | | 1.300 | | | 12.173 | | |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.029 | | | 99.938 | | | 99.546 | | | 99.441 | | |
| (HC03+CO3)*100/(CL+S04+HCO3+CO3) | 0.971 | | | 0.062 | | | 0.454 | | | 0.559 | | |
| (NA+K)*100/(NA+K+CA+MG) | 99.563 | | | 93.100 | | | 97.442 | | | 79.062 | | |
| (CA+MG)*100/(NA+K+CA+MG) | 0.437 | | | 6.900 | | | 2.558 | | | 20.938 | | |

第 29-2 表 薩南地域水質一覽表 (つづき)

| | STC 57 | STC 58 | STC 59 | STC 60 |
|----------------------------------|------------|----------|-----------|----------|
| NO | 76.0 | 48.8 | 94.0 | 62.5 |
| TEMP | 164.90,000 | 2659.000 | 10635.000 | 3701.000 |
| TSM | 7.60 | 7.00 | 7.50 | 7.20 |
| PH(FD) | 7.90 | 7.02 | 7.10 | 7.00 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 789.200 | 82.750 | 193.900 | 116.300 |
| NA | 4291.000 | 728.100 | 3006.000 | 884.000 |
| NH4 | 0.506 | 0.023 | 0.056 | 1.330 |
| CA | 694.700 | 34.656 | 6.741 | 241.300 |
| MG | 266.100 | 21.897 | 121.700 | 43.000 |
| FE | 1.686 | 0.060 | 0.029 | 0.612 |
| MN | 0.163 | 0.006 | TR. | 0.070 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.138 | 0.023 | 0.153 | 0.125 |
| CL | 8662.000 | 1327.000 | 5727.000 | 1567.000 |
| BR | | | 11.490 | 1.000 |
| I | | | | |
| F | 0.014 | | | |
| SO4 | 864.100 | 136.200 | 397.900 | 235.400 |
| S2O3 | | | | |
| HCO3 | 64.740 | 37.570 | 147.400 | 494.400 |
| CO3 | 0.298 | 0.018 | 0.126 | 0.420 |
| SI02 (MG/KG) (MMOL/KG) | 353.211 | 5.548 | 218.558 | 172.222 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 2.020 | 14.290 | 28.340 | 118.900 |
| H2S | | | | |
| BN (*E-10 CURIE/L) | 2.120 | 6.230 | 6.960 | 4.520 |
| NA/K | 9.246 | 14.963 | 26.363 | 12.926 |
| CA/(HCO3+CO3) | 10.377 | 10.937 | 10.905 | 1.483 |
| MG/CA | 0.632 | 0.181 | 0.379 | 0.294 |
| NA/CA | 5.365 | 4.698 | 4.955 | 3.194 |
| CL/(HCO3+CO3) | 2.08.223 | 60.734 | 66.757 | 5.446 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 92.764 | 91.557 | 93.786 | 77.250 |
| S04*100/(CL+S04+HCO3+CO3) | 6.430 | 6.935 | 4.809 | 8.565 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.405 | 1.508 | 1.405 | 14.185 |
| (NA+K)*100/(NA+K+CA+MG) | 78.527 | 80.925 | 78.849 | 72.672 |
| CA*100/(NA+K+CA+MG) | 15.150 | 16.146 | 15.333 | 21.121 |
| MG*100/(NA+K+CA+MG) | 6.313 | 2.929 | 5.818 | 6.207 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.594 | 98.492 | 98.595 | 85.815 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.405 | 1.508 | 1.405 | 14.185 |
| (NA+K)*100/(NA+K+CA+MG) | 78.527 | 80.925 | 78.849 | 72.672 |
| (CA+MG)*100/(NA+K+CA+MG) | 21.473 | 19.075 | 21.151 | 27.328 |

第29-2表 薩南地域水質一覽表 (つづき)

| | STC 61 | STC 62 | STC 63 | STC 64 |
|----------------------------------|-----------|----------|----------|-----------|
| NO | 86.0 | 68.0 | 67.0 | 57.0 |
| TEMP | 14794.000 | 4333.000 | 5148.000 | 18665.000 |
| TSM | 7.30 | 7.60 | 7.50 | 6.80 |
| PH(FD) | 7.30 | 7.80 | 7.80 | 6.70 |
| PH(LB) | | | | |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 442.600 | 11.322 | 92.850 | 586.400 |
| NA | 4051.000 | 176.219 | 1336.000 | 5080.000 |
| NH4 | 1.921 | 0.524 | 0.029 | 1.223 |
| CA | 693.400 | 34.601 | 276.400 | 906.200 |
| MG | 172.000 | 14.154 | 48.490 | 131.800 |
| FE | 0.998 | 0.395 | 0.279 | 0.010 |
| MN | 0.872 | 0.032 | 0.681 | 0.182 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.113 | 0.090 | 0.067 | 0.283 |
| CL | 7847.000 | 221.364 | 2625.000 | 9513.000 |
| BR | - | - | - | 17.800 |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 361.800 | 7.533 | 126.800 | 1066.000 |
| S203 | - | - | - | - |
| HC03 | 297.800 | 4.881 | 96.770 | 115.200 |
| C03 | 0.336 | 0.011 | 0.150 | 0.005 |
| SI02 (MG/KG)(MMOL/KG) | 207.989 | 3.463 | 305.991 | 324.414 |
| HB02 | - | - | - | - |
| H3P04 | - | - | - | - |
| HAS02 | - | - | - | - |
| C02 | 35.800 | 0.813 | 9.308 | 55.360 |
| H2S | - | - | - | - |
| RN (*E-10 CURT/L) | 0.890 | 0.560 | 2.130 | 2.220 |
| NA/K | 15.565 | 7.615 | 24.469 | 14.732 |
| CA/(HC03+C03) | 7.073 | 4.653 | 8.669 | 23.949 |
| MG/CA | 0.409 | 0.246 | 0.289 | 0.240 |
| NA/CA | 5.093 | 2.385 | 4.214 | 4.887 |
| CL/(HC03+C03) | 45.249 | 16.094 | 46.542 | 142.131 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+C03) | 94.685 | 87.614 | 94.595 | 91.765 |
| S04*100/(CL+S04+HC03+C03) | 3.222 | 6.942 | 3.372 | 7.589 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.093 | 5.444 | 2.032 | 0.646 |
| (NA+K)*100/(NA+K+CA+MG) | 79.367 | 68.403 | 77.282 | 80.803 |
| CA*100/(NA+K+CA+MG) | 14.643 | 25.354 | 17.621 | 15.484 |
| MG*100/(NA+K+CA+MG) | 5.990 | 6.243 | 5.098 | 3.714 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.907 | 94.556 | 97.968 | 99.354 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.093 | 5.444 | 2.032 | 0.646 |
| (NA+K)*100/(NA+K+CA+MG) | 79.367 | 68.403 | 77.282 | 80.803 |
| (CA+MG)*100/(NA+K+CA+MG) | 20.633 | 31.597 | 22.718 | 19.197 |

第 29-2 表 薩南地域水質一覧表 (つづき)

| NO | STC 65 | STC 66 | STC 67 | STC 68 |
|------------------------------------|-----------|-----------|----------|-----------|
| TEMP | 42.0 | 98.0 | 58.5 | 53.0 |
| TSM | 10001.000 | 11358.000 | 4148.000 | 11320.000 |
| PH(FD) | 7.20 | 7.00 | 6.60 | 7.05 |
| PH(LP) | 7.00 | 8.00 | 6.70 | 7.05 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 244.700 | 6.262 | 197.400 | 5.049 |
| NA | 2522.000 | 116.667 | 2907.000 | 123.400 |
| NH4 | | | 1048.000 | 3.157 |
| CA | 407.100 | 22.310 | 0.980 | 45.588 |
| MG | 157.700 | 12.977 | 651.900 | 0.017 |
| FE | 0.200 | 0.007 | 118.200 | 14.371 |
| MN | 2.046 | 0.074 | 0.155 | 14.371 |
| ZN | | | 0.342 | 2.625 |
| CU | | | | 0.220 |
| PR | | | | 0.312 |
| AL | 0.415 | 0.046 | | |
| CL | 5023.000 | 143.391 | | |
| BR | 10.680 | 0.134 | 5893.000 | 6226.000 |
| I | | | 0.256 | 7.792 |
| F | | | | |
| S04 | 573.900 | 11.949 | | |
| S203 | | | 309.000 | 572.100 |
| HCO3 | 166.600 | 2.731 | 71.330 | 164.600 |
| CO3 | | | 0.072 | 0.030 |
| SI02 (MG/KG)(MMOL/KG) | 213.404 | 3.636 | 384.338 | 129.025 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | | | | |
| CO2 | 39.600 | 0.900 | 17.160 | 39.590 |
| H2S | | | | |
| RN (*F-10 CURT/L) | 1.550 | 2.260 | | 3.510 |
| NA/K | 18.631 | 25.043 | 14.442 | 33.396 |
| CA/(HCO3+CO3) | 8.171 | 27.768 | 17.105 | 9.422 |
| MG/CA | 0.582 | 0.299 | 0.183 | 1.032 |
| NA/CA | 5.229 | 3.887 | 3.172 | 5.294 |
| CL/(HCO3+CO3) | 52.515 | 141.905 | 72.661 | 65.079 |
| CL/F | | | | |
| CL*100/(CL+S04+H(CO3+CO3)) | 90.714 | 95.626 | 92.666 | 92.320 |
| S04*100/(CL+S04+H(CO3+CO3)) | 7.559 | 3.701 | 6.058 | 6.261 |
| (HCO3+CO3)*100/(CL+S04+H(CO3+CO3)) | 1.727 | 0.674 | 1.275 | 1.419 |
| (NA+K)*100/(NA+K+CA+MG) | 77.697 | 75.681 | 74.147 | 72.852 |
| CA*100/(NA+K+CA+MG) | 14.131 | 18.721 | 21.860 | 13.360 |
| MG*100/(NA+K+CA+MG) | 4.202 | 5.598 | 3.993 | 13.787 |
| (CL+S04)*100/(CL+S04+H(CO3+CO3)) | 94.273 | 99.326 | 98.725 | 98.581 |
| (HCO3+CO3)*100/(CL+S04+H(CO3+CO3)) | 1.727 | 0.674 | 1.275 | 1.419 |
| (NA+K)*100/(NA+K+CA+MG) | 77.697 | 75.681 | 74.147 | 72.852 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.303 | 24.319 | 25.853 | 27.148 |

第29-2表 薩南地域水質一覧表(つづき)

| | STC 69 | STC 70 | STC 71 | STC 72 |
|----------------------------------|----------|----------|----------|-----------|
| NO | | | | |
| TEMP | 49.5 | 39.0 | 55.5 | 76.8 |
| TSM | 5465.000 | 1284.000 | 6921.000 | 10390.000 |
| PH(FD) | 6.20 | 7.30 | 7.22 | 6.70 |
| PH(LB) | 6.20 | 7.30 | 7.22 | 6.70 |
| H (MG/KG)(MVAL/KG) | | | | |
| K | 254.200 | 48.710 | 164.800 | 221.400 |
| NA | 1494.000 | 224.200 | 1760.000 | 2764.000 |
| NH4 | | | | 1.526 |
| CA | 357.900 | 121.100 | 259.900 | 659.700 |
| MG | 31.540 | 14.530 | 238.900 | 69.700 |
| FE | 1.425 | 0.795 | 0.295 | 0.330 |
| MN | 1.345 | 0.995 | 0.470 | 0.580 |
| ZN | | | | 0.012 |
| CU | | | | 0.021 |
| PB | | | | |
| AL | 0.004 | 0.006 | 0.106 | 0.002 |
| CL | 3076.000 | 518.700 | 3779.000 | 5560.000 |
| BR | | 0.200 | 0.248 | 0.200 |
| I | | | | 0.003 |
| F | | | | |
| OH | | | | |
| S04 | 195.300 | 125.900 | 197.500 | 216.100 |
| S203 | | | | 4.499 |
| HCO3 | 49.790 | 117.400 | 161.300 | 187.500 |
| CO3 | | 0.036 | 0.126 | |
| SI02 (MG/KG)(MMOL/KG) | 73.901 | 162.881 | 313.019 | 212.954 |
| HB02 | | | | 3.546 |
| H3P04 | | | | |
| HAS02 | | | | |
| CO2 | | | | |
| H2S | | 36.880 | 24.420 | 5.633 |
| RN (*E-10 CURIE/L) | 2.200 | 3.930 | 70.200 | 9.070 |
| NA/K | 2.995 | 7.827 | 18.161 | 21.230 |
| CA/(HCO3+CO3) | 31.855 | 3.139 | 4.898 | 10.712 |
| MG/CA | 5.105 | 0.198 | 1.516 | 0.174 |
| NA/CA | 3.639 | 1.614 | 5.903 | 3.652 |
| CL/(HCO3+CO3) | 118.333 | 7.600 | 40.260 | 51.038 |
| CL/F | | | | |
| CL*100/(CL+S04+HCO3+CO3) | 94.673 | 76.294 | 94.037 | 95.395 |
| S04*100/(CL+S04+HCO3+CO3) | 4.436 | 13.667 | 3.627 | 2.736 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.890 | 10.039 | 2.336 | 1.869 |
| (NA+K)*100/(NA+K+CA+MG) | 77.754 | 60.309 | 71.228 | 76.509 |
| CA*100/(NA+K+CA+MG) | 19.424 | 33.135 | 11.436 | 20.005 |
| MG*100/(NA+K+CA+MG) | 2.823 | 6.556 | 17.335 | 3.486 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 99.110 | 89.961 | 97.664 | 98.131 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 0.890 | 10.039 | 2.336 | 1.869 |
| (NA+K)*100/(NA+K+CA+MG) | 77.754 | 60.309 | 71.228 | 76.509 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.246 | 39.691 | 28.772 | 23.491 |

第29-2表 薩南地蔵水質一覧表(つづき)

| NO | STC 73 | STC 74 | STC 75 | STC 76 | |
|----------------------------------|----------|----------|----------|---------|-------|
| | | | | | |
| TEMP | 2644.000 | 5216.000 | 6544.000 | 128.900 | |
| TSM | 6.80 | 6.55 | 7.20 | 4.50 | |
| PH(FD) | 6.80 | 6.60 | 7.20 | 4.50 | |
| PH(LB) | | | | | |
| H (MG/KG)(MVAL/KG) | | | | | |
| K | 105.700 | 183.800 | 211.500 | 0.032 | 0.032 |
| NA | 624.800 | 1405.000 | 1641.000 | 2.820 | 2.820 |
| NH4 | | | 1.826 | 6.400 | 0.278 |
| CA | 230.700 | 246.700 | 291.600 | | |
| MG | 26.300 | 59.690 | 219.400 | 12.180 | 0.608 |
| FE | 0.540 | 0.640 | 0.540 | 3.913 | 0.322 |
| MN | 0.058 | 0.655 | 1.250 | 1.245 | 0.045 |
| ZN | | | | | |
| CU | | | | | |
| PB | | | | | |
| AL | 0.038 | 0.004 | 0.043 | 0.007 | 0.001 |
| CL | | | | | |
| BR | 1182.000 | 33.344 | 3670.000 | 11.120 | 0.314 |
| I | | 0.216 | 4.995 | | |
| F | | | | | |
| OH | | | | | |
| SO4 | 219.300 | 4.566 | 194.500 | 41.150 | 0.857 |
| S2O3 | | | | | |
| HC03 | 345.700 | 5.666 | 115.900 | 11.900 | 0.195 |
| C03 | | | 0.120 | | |
| SI02 (MG/KG)(MMOL/KG) | 235.867 | 3.927 | 571.045 | 21.656 | 0.361 |
| HB02 | | | | | |
| H3PO4 | | | | | |
| HAS02 | | | | | |
| C02 | 102.500 | 2.329 | 15.560 | 0.964 | 0.028 |
| H2S | | | | | |
| RN (*E-10 CURIE/L) | 5.030 | 3.710 | 4.580 | 4.020 | |
| NA/K | 10.052 | 12.999 | 13.194 | 3.859 | |
| CA/(HF03+C03) | 2.032 | 8.239 | 7.644 | 3.116 | |
| MG/CA | 0.188 | 0.399 | 1.241 | 0.530 | |
| NA/CA | 2.361 | 4.965 | 4.906 | 0.458 | |
| CL/(HC03+C03) | 5.895 | 52.111 | 54.387 | 1.608 | |
| CL/F | | | | | |
| CL*100/(CL+SO4+HC03+C03) | 76.520 | 93.803 | 94.563 | 22.973 | |
| SO4*100/(CL+SO4+HC03+C03) | 10.478 | 4.397 | 3.699 | 62.743 | |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 13.003 | 1.800 | 1.739 | 14.284 | |
| (NA+K)*100/(NA+K+CA+MG) | 68.603 | 79.261 | 70.196 | 27.379 | |
| CA*100/(NA+K+CA+MG) | 26.429 | 14.824 | 13.301 | 47.471 | |
| MG*100/(NA+K+CA+MG) | 4.969 | 5.915 | 16.503 | 25.150 | |
| (CL+SO4)*100/(CL+SO4+HC03+C03) | 86.997 | 98.200 | 98.261 | 85.716 | |
| (HC03+C03)*100/(CL+SO4+HC03+C03) | 13.003 | 1.800 | 1.739 | 14.284 | |
| (NA+K)*100/(NA+K+CA+MG) | 68.603 | 79.261 | 70.196 | 27.379 | |
| (CA+MG)*100/(NA+K+CA+MG) | 31.397 | 20.739 | 29.804 | 72.621 | |

第29-2表 薩南地域水質一覧表(つづき)

| | STC 77 | STC 78 | STC 79 | STC 80 |
|----------------------------------|----------|---------|----------|---------|
| NO | 63.0 | 68.0 | 61.0 | 70.0 |
| TEMP | 80.1 | 65.94 | 116.94 | 119.29 |
| TSM | 6.60 | 6.62 | 6.50 | 6.60 |
| PH(FD) | 6.60 | 6.63 | 6.50 | 6.60 |
| PH(LB) | 6.60 | 6.63 | 6.50 | 6.60 |
| H (MG/KG) (KVAL/KG) | - | - | - | - |
| K | 262.600 | 6.717 | 264.400 | 6.763 |
| NA | 2067.000 | 89.815 | 2944.000 | 128.064 |
| NH4 | 1.050 | 0.058 | - | - |
| CA | 5.88.300 | 29.356 | 878.400 | 43.832 |
| MG | 90.200 | 7.423 | 105.900 | 8.715 |
| FE | 0.330 | 0.012 | 0.040 | 0.001 |
| MN | 0.638 | 0.023 | 0.720 | 0.026 |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PF | - | - | - | - |
| AL | 0.022 | 0.002 | 0.068 | 0.008 |
| CL | 4472.000 | 126.437 | 6350.000 | 179.134 |
| BR | - | - | - | - |
| I | - | - | - | - |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 252.700 | 5.261 | 322.700 | 6.719 |
| S203 | - | - | - | - |
| HCO3 | 110.700 | 1.814 | 85.610 | 1.403 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 182.792 | 3.043 | 353.032 | 5.878 |
| HF02 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 66.020 | 1.500 | 65.830 | 1.496 |
| H2S | - | - | - | - |
| RN (*F-10 CURTE/L) | 4.370 | 6.630 | 6.490 | 2.710 |
| NA/K | 13.385 | 11.898 | 18.935 | 19.610 |
| CA/(HCO3+CO3) | 16.180 | 15.749 | 31.238 | 31.840 |
| MG/CA | 0.253 | 0.222 | 0.199 | 0.182 |
| NA/CA | 3.063 | 2.798 | 2.922 | 3.056 |
| CL/(HCO3+CO3) | 69.686 | 69.885 | 127.665 | 133.439 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HCO3+CO3) | 94.700 | 95.349 | 95.663 | 95.527 |
| S04*100/(CL+S04+HCO3+CO3) | 3.941 | 3.287 | 3.588 | 3.757 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.359 | 1.364 | 0.749 | 0.716 |
| (NA+K)*100/(NA+K+CA+MG) | 72.432 | 71.290 | 71.956 | 73.093 |
| CA*100/(NA+K+CA+MG) | 22.004 | 23.504 | 23.393 | 22.759 |
| MG*100/(NA+K+CA+MG) | 5.564 | 5.206 | 4.651 | 4.148 |
| (CL+S04)*100/(CL+S04+HCO3+CO3) | 98.641 | 98.636 | 99.251 | 99.284 |
| (HCO3+CO3)*100/(CL+S04+HCO3+CO3) | 1.359 | 1.364 | 0.749 | 0.716 |
| (NA+K)*100/(NA+K+CA+MG) | 72.432 | 71.290 | 71.956 | 73.093 |
| (CA+MG)*100/(NA+K+CA+MG) | 27.568 | 28.710 | 28.044 | 26.907 |

第29-2表 陸南地域水質一覧表 (つづき)

| | STC 81 | STC 82 | STC 83 | STC 84 |
|----------------------------------|-----------|-----------|----------|----------|
| NO | 64.0 | 65.5 | 63.0 | 68.0 |
| TEMP | 11082.000 | 10185.000 | 8108.000 | 7893.000 |
| TSM | 6.60 | 6.80 | 7.80 | 6.90 |
| PH(FD) | 6.60 | 6.80 | 7.80 | 6.90 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 264.300 | 211.500 | 199.400 | 244.300 |
| NA | 2945.000 | 2736.000 | 2286.000 | 2234.000 |
| NH4 | | | | |
| CA | 816.900 | 40.763 | 436.700 | 368.100 |
| MG | 95.050 | 7.822 | 80.630 | 90.240 |
| FF | 0.000 | 0.091 | 0.240 | 0.006 |
| MN | 0.320 | 0.012 | 0.210 | 0.008 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.033 | 0.090 | 0.040 | 0.023 |
| CL | 6226.000 | 175.635 | 4486.000 | 4372.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 311.200 | 4.720 | 239.500 | 208.700 |
| S203 | | | | |
| HC03 | 93.170 | 1.957 | 116.600 | 119.200 |
| C03 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 358.965 | 292.019 | 192.035 | 288.949 |
| H2O2 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| C02 | 56.020 | 1.273 | 6.113 | 37.250 |
| H2S | | | | |
| RN (*F=10 CURIE/L) | 4.530 | 6.360 | 3.990 | 3.070 |
| NA/K | 18.949 | 21.999 | 19.581 | 15.551 |
| CA/(HC03+C03) | 76.694 | 19.353 | 11.403 | 9.402 |
| MG/CA | 0.192 | 0.152 | 0.304 | 0.404 |
| NA/CA | 3.143 | 3.142 | 4.583 | 5.291 |
| CL/(HC03+C03) | 115.616 | 82.267 | 66.219 | 63.129 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 95.640 | 96.018 | 94.831 | 95.141 |
| S04*100/(CL+S04+HC03+C03) | 3.528 | 2.815 | 3.737 | 3.352 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.832 | 1.167 | 1.432 | 1.507 |
| (NA+K)*100/(NA+K+CA+MG) | 73.516 | 74.031 | 78.691 | 80.039 |
| CA*100/(NA+K+CA+MG) | 22.220 | 22.534 | 16.335 | 14.214 |
| MG*100/(NA+K+CA+MG) | 0.254 | 3.434 | 4.974 | 5.747 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.168 | 98.833 | 98.568 | 98.493 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.832 | 1.167 | 1.432 | 1.507 |
| (NA+K)*100/(NA+K+CA+MG) | 73.516 | 74.031 | 78.691 | 80.039 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.484 | 25.969 | 21.309 | 19.561 |

第29-2表 薩南地域水質一覽表(つづき)

| | STC 85 | STC 86 | STC 87 | STC 88 |
|----------------------------------|----------|----------|----------|----------|
| NO | 97.730 | 332.300 | 5.101 | 99.680 |
| TEMP | 42.0 | 69.0 | 51.0 | 50.5 |
| TSM | 4002.000 | 9202.000 | 5912.000 | 3723.000 |
| PH(FD) | 6.90 | 8.20 | 7.70 | 6.90 |
| PH(LB) | 6.90 | 8.20 | 7.70 | 6.90 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 1192.000 | 2694.000 | 1464.000 | 985.500 |
| NA | 2.500 | 8.500 | 199.400 | 2.550 |
| NH4 | 51.852 | 117.189 | 63.684 | 42.869 |
| CA | 268.700 | 444.500 | 492.400 | 257.300 |
| MG | 31.460 | 54.190 | 50.690 | 20.100 |
| FE | 0.340 | 0.160 | 0.200 | 0.158 |
| MN | 0.360 | 0.124 | 0.190 | 0.440 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.030 | 0.050 | 0.014 | 0.023 |
| CL | 2187.000 | 5113.000 | 3262.000 | 2001.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 115.400 | 279.800 | 197.100 | 150.200 |
| S203 | | | | |
| HC03 | 104.300 | 77.860 | 102.900 | 45.760 |
| C03 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 152.946 | 152.789 | 132.025 | 2.198 |
| HB02 | | | | |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 32.570 | 1.087 | 4.951 | 11.000 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | 2.160 | 4.090 | 2.840 | 2.500 |
| NA/K | 20.741 | 13.787 | 12.485 | 16.813 |
| CA/(HC03+C03) | 7.843 | 17.381 | 14.569 | 17.119 |
| MG/CA | 0.193 | 0.201 | 0.170 | 0.129 |
| NA/CA | 3.867 | 5.283 | 2.592 | 3.339 |
| CL/(HC03+C03) | 36.090 | 113.028 | 54.562 | 75.264 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 93.751 | 95.308 | 94.080 | 93.573 |
| S04*100/(CL+S04+HC03+C03) | 3.651 | 3.849 | 4.195 | 5.184 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.598 | 0.843 | 1.724 | 1.243 |
| (NA+K)*100/(NA+K+CA+MG) | 77.261 | 82.512 | 70.529 | 75.809 |
| CA*100/(NA+K+CA+MG) | 19.059 | 14.561 | 25.194 | 21.430 |
| MG*100/(NA+K+CA+MG) | 3.880 | 2.927 | 4.277 | 2.761 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 97.402 | 99.157 | 98.276 | 98.757 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 2.598 | 0.843 | 1.724 | 1.243 |
| (NA+K)*100/(NA+K+CA+MG) | 77.261 | 82.512 | 70.529 | 75.809 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.739 | 17.488 | 29.471 | 24.191 |

第29-2表 薩南地域水質一覧表 (つづき)

| | STC 89 | STC 90 | STC 91 | STC 92 |
|----------------------------------|-----------|-----------|----------|----------|
| NO | 48.0 | 44.7 | 58.0 | 61.5 |
| TEMP | 19852.000 | 28174.000 | 7405.000 | 6130.000 |
| TSM | 6.70 | 6.30 | 7.06 | 7.10 |
| PH(FD) | 6.70 | 6.60 | 7.06 | 7.10 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 398.700 | 697.800 | 17.850 | 249.200 |
| NA | 4996.000 | 8060.000 | 350.610 | 1490.000 |
| NH4 | | | 0.995 | 1.250 |
| CA | 1144.000 | 1435.000 | 71.806 | 455.400 |
| MG | 386.400 | 342.400 | 28.176 | 46.580 |
| FE | 0.168 | 0.006 | 0.007 | 0.004 |
| MN | 1.160 | 0.042 | 0.185 | 0.007 |
| ZN | | 2.080 | 0.485 | 0.185 |
| CU | | | | |
| PB | | | | |
| AL | 1.400 | 1.650 | 0.093 | 0.073 |
| CL | 10262.000 | 229.491 | 428.538 | 3278.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| S04 | 1222.000 | 25.442 | 37.580 | 158.800 |
| S203 | | | | |
| HC03 | 104.500 | 149.700 | 2.454 | 110.700 |
| C03 | | | 0.084 | 6.085 |
| SI02 (MG/KG) (MMOL/KG) | 125.026 | 204.985 | 3.413 | 289.978 |
| HBO2 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| C02 | 50.170 | 1.140 | 2.046 | 21.300 |
| H2S | | | | |
| RN (*F-10 CURIE/L) | 2.740 | 3.310 | 6.630 | 5.850 |
| NA/K | 21.509 | 19.642 | 6.858 | 10.168 |
| CA/(HC03+C03) | 33.394 | 29.266 | 16.065 | 11.265 |
| MG/CA | 0.557 | 0.392 | 0.286 | 0.169 |
| NA/CA | 3.807 | 4.883 | 2.538 | 2.852 |
| CL/(HC03+C03) | 163.345 | 174.655 | 64.607 | 45.842 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | 91.425 | 91.456 | 95.850 | 94.557 |
| S04*100/(CL+S04+HC03+C03) | 3.035 | 8.020 | 2.667 | 3.381 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.540 | 0.524 | 1.484 | 2.063 |
| (NA+K)*100/(NA+K+CA+MG) | 71.909 | 78.656 | 69.346 | 72.830 |
| CA*100/(NA+K+CA+MG) | 18.042 | 15.329 | 23.846 | 23.248 |
| MG*100/(NA+K+CA+MG) | 10.049 | 6.015 | 6.808 | 3.921 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 99.460 | 99.476 | 98.516 | 97.937 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 0.540 | 0.524 | 1.484 | 2.063 |
| (NA+K)*100/(NA+K+CA+MG) | 71.909 | 78.656 | 69.346 | 72.830 |
| (CA+MG)*100/(NA+K+CA+MG) | 28.091 | 21.344 | 30.654 | 27.170 |

第 29-2 表 薩南地獄水質一覽表 (つづき)

| | STC 93 | STC 94 | STC 95 | STC 96 |
|----------------------------------|----------|----------|----------|----------|
| NO | 47.0 | 75.3 | 63.0 | 63.8 |
| TEMP | 2945.000 | 6255.000 | 5068.000 | 7236.000 |
| TSM | 7.30 | 5.95 | 7.35 | 6.60 |
| PH(FD) | 7.30 | 6.00 | 7.40 | 6.70 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 129.600 | 3.315 | 6.459 | 249.300 |
| NA | 682.300 | 1390.000 | 60.465 | 1864.000 |
| NH4 | | 1.082 | 0.060 | 0.112 |
| CA | 245.600 | 12.255 | 26.507 | 505.100 |
| MG | 18.380 | 1.554 | 33.120 | 45.970 |
| FE | 0.225 | 34.520 | 2.841 | 3.783 |
| MN | | 0.008 | 0.085 | 0.215 |
| ZN | | 1.150 | 0.042 | 0.632 |
| CU | | | | |
| PB | | | | |
| AL | 0.175 | 0.265 | 0.029 | 0.195 |
| BR | 1538.000 | 43.387 | 89.905 | 3964.000 |
| Cl | | 0.168 | 0.002 | 0.200 |
| F | | | | |
| OH | | | | |
| S04 | 83.150 | 1.731 | 6.306 | 151.100 |
| S203 | | | | |
| HC03 | 101.900 | 1.670 | 104.800 | 88.170 |
| CO3 | 0.126 | 0.004 | 0.153 | 0.021 |
| SI02 (MG/KG) (MMOL/KG) | 177.571 | 2.957 | 7.357 | 526.766 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 12.250 | 0.278 | 1.115 | 52.990 |
| H2S | | | | |
| RN (*E-10 CURIE/L) | 4.830 | 8.460 | 5.350 | 5.950 |
| NA/K | 8.953 | 9.361 | 10.549 | 12.715 |
| CA/(HC03+CO3) | 7.320 | 79.200 | 10.813 | 17.433 |
| MG/CA | 0.127 | 0.107 | 0.146 | 0.150 |
| NA/CA | 2.422 | 2.281 | 3.010 | 3.217 |
| CL/(HC03+CO3) | 25.913 | 268.627 | 45.915 | 77.344 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 92.722 | 93.121 | 95.598 | 96.056 |
| S04*100/(CL+S04+HC03+CO3) | 3.700 | 6.532 | 2.319 | 2.702 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.578 | 0.347 | 2.082 | 1.242 |
| (NA+K)*100/(NA+K+CA+MG) | 70.496 | 69.516 | 74.193 | 75.107 |
| CA*100/(NA+K+CA+MG) | 26.184 | 27.533 | 22.513 | 21.644 |
| MG*100/(NA+K+CA+MG) | 3.319 | 2.951 | 3.294 | 3.249 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 96.422 | 99.653 | 97.918 | 98.758 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 3.578 | 0.347 | 2.082 | 1.242 |
| (NA+K)*100/(NA+K+CA+MG) | 70.496 | 69.516 | 74.193 | 75.107 |
| (CA+MG)*100/(NA+K+CA+MG) | 29.504 | 30.484 | 25.807 | 24.893 |

第29-2表 薩南地域水質一覽表 (つづき)

| | STC 97 | STC 98 | STC 99 | STC100 |
|----------------------------------|----------|-----------|----------|-----------|
| NO | 55.0 | 64.5 | 62.0 | 56.8 |
| TEMP | 1707.000 | 11527.000 | 9625.000 | 10324.000 |
| TSM | 6.64 | 6.75 | 6.90 | 6.80 |
| PH(FD) | 6.64 | 6.75 | 6.90 | 6.80 |
| PH(CLB) | 6.64 | 6.75 | 6.90 | 6.80 |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 214.000 | 501.100 | 12.818 | 428.000 |
| NA | 1147.000 | 2656.000 | 115.536 | 2685.000 |
| NH4 | | | | |
| CA | 318.800 | 689.700 | 34.416 | 694.700 |
| MG | 44.700 | 128.900 | 10.607 | 82.940 |
| FE | 0.080 | 0.120 | 0.004 | 0.100 |
| MN | 0.340 | 0.460 | 0.017 | 0.665 |
| ZN | | | | |
| CU | | | | |
| PB | | | | |
| AL | 0.033 | 0.003 | 0.000 | 0.388 |
| CL | 2521.000 | 5779.000 | 163.026 | 5707.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| SO4 | 119.300 | 417.900 | 8.701 | 299.200 |
| S2O3 | | | | |
| HC03 | 95.800 | 106.800 | 1.750 | 114.700 |
| CO3 | | | | |
| SI02 (MG/KG) (MMOL/KG) | 178.868 | 224.405 | 3.736 | 170.025 |
| HB02 | | | | |
| H3PO4 | | | | |
| HAS02 | | | | |
| CO2 | 43.130 | 24.210 | 0.550 | 31.690 |
| H2S | | | | |
| RN (#F-10 CURT/L) | 3.650 | 6.540 | 4.250 | 5.080 |
| NA/K | 9.115 | 9.013 | 9.918 | 10.668 |
| CA/(HC03+CO3) | 10.132 | 19.661 | 17.526 | 18.440 |
| MG/CA | 0.232 | 0.308 | 0.183 | 0.197 |
| NA/CA | 4.136 | 3.357 | 3.621 | 3.369 |
| CL/(HC03+CO3) | 45.293 | 93.133 | 86.900 | 85.638 |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+CO3) | 94.607 | 93.975 | 96.074 | 95.205 |
| S04*100/(CL+S04+HC03+CO3) | 3.334 | 5.015 | 2.821 | 3.684 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.089 | 1.009 | 1.106 | 1.112 |
| (NA+K)*100/(NA+K+CA+MG) | 73.862 | 74.032 | 77.112 | 75.484 |
| CA*100/(NA+K+CA+MG) | 21.221 | 19.850 | 19.347 | 20.483 |
| MG*100/(NA+K+CA+MG) | 4.917 | 6.118 | 3.542 | 4.033 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 97.911 | 98.991 | 98.894 | 98.888 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 2.089 | 1.009 | 1.106 | 1.112 |
| (NA+K)*100/(NA+K+CA+MG) | 73.862 | 74.032 | 77.112 | 75.484 |
| (CA+MG)*100/(NA+K+CA+MG) | 26.138 | 25.968 | 22.888 | 24.516 |

第29-2表 薩南地域水質一覽表 (つづき)

| | STC101 | STC102 | STC103 | STC104 |
|----------------------------------|----------|----------|----------|-----------|
| NO | 42.0 | 58.0 | 56.2 | 97.0 |
| TEMP | 3144.000 | 3643.000 | 6579.000 | 25459.000 |
| TSM | 7.30 | 7.00 | 7.90 | 7.20 |
| PH(CFD) | 7.25 | 6.98 | 7.90 | 7.20 |
| PH(CLB) | | | | |
| H (MG/KG)(MVAL/%) | | | | |
| K | 102.500 | 143.500 | 277.700 | 512.900 |
| NA | 778.200 | 849.500 | 1645.000 | 7237.000 |
| NH4 | | | | 2.150 |
| CA | 203.700 | 324.200 | 462.300 | 1766.000 |
| MG | 51.780 | 15.040 | 44.920 | 168.900 |
| FE | 0.133 | 0.164 | 0.006 | 0.760 |
| MN | 0.398 | 1.032 | 0.920 | 1.860 |
| ZN | | | | 0.027 |
| CU | | | | 0.068 |
| PB | | | | |
| AL | 0.992 | 0.025 | 0.024 | 0.125 |
| CL | 1642.000 | 1932.000 | 3553.000 | 13864.000 |
| BR | 1.199 | | | 391.103 |
| I | | | | |
| F | | | | |
| OH | | | 0.124 | |
| S04 | 118.100 | 109.500 | 164.400 | 1639.000 |
| S203 | | | | |
| HCO3 | 117.600 | 68.630 | 194.800 | 297.300 |
| C03 | 0.066 | 0.042 | 0.471 | 0.111 |
| SI02 (MG/%) (MMDL/KC) | 95.136 | 155.942 | 349.925 | 335.282 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | 14.130 | 15.390 | 3.274 | 45.020 |
| H2S | | | | |
| RN (*F=10 CHRT/L) | 1.660 | 2.210 | 2.230 | 4.670 |
| NA/K | 12.911 | 10.067 | 10.073 | 23.995 |
| CA/(HC03+C03) | 9.268 | 14.612 | 13.309 | 18.071 |
| MG/CA | 9.419 | 0.078 | 0.160 | 0.158 |
| NA/CA | 3.330 | 2.313 | 3.102 | 3.572 |
| CL/(HC03+C03) | 24.107 | 49.843 | 57.824 | 80.203 |
| CL/F | | | | |
| CL*S04/(CL+S04+HC03+C03) | 91.379 | 94.171 | 95.107 | 90.932 |
| S04*100/(CL+S04+HC03+C03) | 4.830 | 3.939 | 3.248 | 7.934 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.791 | 1.889 | 1.645 | 1.134 |
| (NA+K)*100/(NA+K+CA+MG) | 71.659 | 70.232 | 74.612 | 76.271 |
| CA*100/(NA+K+CA+MG) | 14.970 | 27.623 | 21.881 | 20.496 |
| MG*100/(NA+K+CA+MG) | 8.571 | 2.145 | 3.506 | 3.233 |
| (CL+S04)*100/(CL+S04+HC03+C03) | 96.209 | 98.111 | 98.355 | 98.866 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 3.791 | 1.889 | 1.645 | 1.134 |
| (NA+K)*100/(NA+K+CA+MG) | 71.659 | 70.232 | 74.612 | 76.271 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.341 | 29.768 | 25.388 | 23.729 |

第29-2表 薩南地域水質一覽表(つづき)

| NO | STC105 | STC106 | STC107 | STC108 |
|----------------------------------|-----------|----------|---------|----------|
| TFMP | 47.0 | 44.5 | 63.0 | 63.5 |
| TSM | 15235.000 | - | - | - |
| PH(FD) | 7.00 | 6.90 | 7.00 | 6.90 |
| PH(LB) | 7.02 | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | 471.100 | 20.700 | 0.760 | 74.800 |
| NA | 4270.000 | 523.200 | 186.150 | 877.300 |
| NH4 | 0.136 | 0.007 | 22.759 | 2.057 |
| CA | 558.900 | 111.200 | 5.549 | 40.559 |
| MG | 302.500 | 28.100 | 2.312 | 197.000 |
| FF | 1.215 | - | - | 74.800 |
| MN | 7.980 | - | - | - |
| ZN | - | - | - | - |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | 0.075 | 4.200 | 0.467 | 4.400 |
| CL | 8191.000 | 915.300 | 25.821 | 1543.000 |
| BR | 0.559 | 2.900 | 0.036 | 5.700 |
| I | - | 0.020 | 0.000 | 0.020 |
| F | - | - | - | - |
| OH | - | - | - | - |
| S04 | 999.600 | 158.800 | 3.306 | 261.700 |
| S203 | 171.300 | 2.898 | 4.650 | 419.700 |
| HC03 | 0.050 | 2.83.700 | 4.650 | 6.879 |
| CO3 | - | - | - | - |
| SI02 (MG/KG) (MMOL/KG) | 215.653 | 121.011 | 2.015 | 158.014 |
| HB02 | - | 17.100 | 0.390 | 21.900 |
| H3PO4 | - | - | - | - |
| HAS02 | - | - | - | - |
| CO2 | 26.520 | 6.600 | 0.150 | 5.500 |
| H2S | - | - | - | - |
| RN (*F=10 CURIE/L) | 3.420 | - | - | - |
| NA/K | 15.450 | 29.957 | 19.721 | 19.945 |
| CA/(HC03+CO2) | 9.823 | 1.193 | 1.452 | 1.429 |
| MG/CA | 1.011 | 0.417 | 0.327 | 0.626 |
| NA/CA | 6.676 | 4.102 | 3.990 | 3.882 |
| CL/(HC03+CO3) | 32.213 | 5.553 | 6.304 | 6.328 |
| CL/F | - | - | - | - |
| CL*100/(CL+S04+HC03+CO3) | 90.725 | 76.445 | 78.019 | 77.930 |
| S04*100/(CL+S04+HC03+CO3) | 8.171 | 9.788 | 9.605 | 9.755 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.104 | 13.766 | 12.376 | 12.315 |
| (NA+K)*100/(NA+K+CA+MG) | 77.950 | 74.948 | 75.957 | 71.486 |
| CA*100/(NA+K+CA+MG) | 10.867 | 17.683 | 18.117 | 17.535 |
| MG*100/(NA+K+CA+MG) | 11.033 | 7.369 | 5.926 | 10.980 |
| (CL+S04)*100/(CL+S04+HC03+CO3) | 98.896 | 86.234 | 87.624 | 87.685 |
| (HC03+CO3)*100/(CL+S04+HC03+CO3) | 1.104 | 13.766 | 12.376 | 12.315 |
| (NA+K)*100/(NA+K+CA+MG) | 77.950 | 74.948 | 75.957 | 71.486 |
| (CA+MG)*100/(NA+K+CA+MG) | 22.053 | 25.052 | 24.043 | 28.514 |

第 20-2 表 薩南地域水質一覽表 (つづき)

| | STC109 | | STC110 | | STC111 | | STC112 | |
|---|---------------------------------------|--------------|--------------|--------------|---------------|----------|---------|--|
| | NO TEMP TSM PH(FD) PH(LB) | 65.5 6.70 | 48.0 6.20 | 46.5 6.50 | 100.0 7.20 | | | |
| H (MG/KG) (MVAL/KG) | | | | | | | | |
| K | | 82.800 | 2.118 | 19.300 | 0.494 | 315.200 | 8.063 | |
| NA | | 1201.000 | 52.244 | 249.800 | 10.866 | 5780.000 | 164.430 | |
| NH4 | | | | | | | | |
| CA | 196.500 | 9.805 | 7.535 | 46.500 | 2.320 | 631.800 | 31.527 | |
| MG | 38.400 | 3.160 | 5.563 | 8.100 | 0.667 | 12.200 | 1.004 | |
| FE | | | | | | | | |
| MN | | | | | | | | |
| ZN | | | | | | | | |
| CU | | | | | | | | |
| PB | | | | | | | | |
| AL | 7.700 | 0.856 | 0.311 | 3.900 | 0.434 | 7.100 | 0.789 | |
| CL | 1536.000 | 43.331 | 62.824 | 402.500 | 11.355 | 7297.000 | 205.848 | |
| 9R | | 8.100 | 0.101 | 1.400 | 0.018 | 24.800 | 0.310 | |
| I | | 0.020 | 0.000 | 0.020 | 0.000 | 0.020 | 0.000 | |
| F | | | | | | | | |
| OH | | | | | | | | |
| S04 | 260.900 | 5.432 | 2.998 | 111.900 | 2.330 | 111.100 | 2.313 | |
| S203 | | | | | | | | |
| HCO3 | 420.900 | 6.899 | 2.599 | 183.000 | 2.999 | 58.000 | 0.951 | |
| CO3 | | | | | | | | |
| SI02 (MG/KG) (MMOL/KG) | 159.014 | 2.648 | 2.015 | 130.012 | 2.165 | 193.864 | 3.228 | |
| HB02 | | 17.100 | 0.390 | 12.200 | 0.278 | 51.000 | 1.164 | |
| H3PO4 | | | | | | | | |
| HAS02 | | | | | | | | |
| CO2 | 8.800 | 0.200 | 0.800 | 11.000 | 0.250 | 3.300 | 0.075 | |
| H2S | | | | | | | | |
| RN (*F-10 CURIE/L) | | | | | | | | |
| NA/K | | | 24.666 | | 22.010 | | 20.394 | |
| CA/(HCO3+CO3) | 1.421 | | 2.899 | | 0.274 | | 33.164 | |
| MG/CA | 0.322 | | 0.738 | | 0.287 | | 0.032 | |
| NA/CA | | | 6.934 | | 4.683 | | 5.216 | |
| CL/(HCO3+CO3) | | | 24.168 | | 3.786 | | 216.541 | |
| CL/F | | | | | | | | |
| CL*10 ⁰ /(CL+S04+HCO3+CO3) | 77.407 | | 91.819 | | 68.058 | | 98.439 | |
| S04*10 ⁰ /(CL+S04+HCO3+CO3) | 9.759 | | 4.382 | | 13.964 | | 1.106 | |
| (HCO3+CO3)*10 ⁰ /(CL+S04+HCO3+CO3) | 12.594 | | 3.799 | | 17.978 | | 0.455 | |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | | | 80.584 | | 79.181 | | 84.133 | |
| CA*10 ⁰ /(NA+K+CA+MG) | | | 11.170 | | 16.173 | | 15.377 | |
| MG*10 ⁰ /(NA+K+CA+MG) | | | 8.246 | | 4.846 | | 0.490 | |
| (CL+S04)*10 ⁰ /(CL+S04+HCO3+CO3) | 87.606 | | 96.201 | | 82.022 | | 99.545 | |
| (HCO3+CO3)*10 ⁰ /(CL+S04+HCO3+CO3) | 12.594 | | 3.799 | | 17.978 | | 0.455 | |
| (NA+K)*10 ⁰ /(NA+K+CA+MG) | | | 80.584 | | 79.181 | | 84.133 | |
| (CA+MG)*10 ⁰ /(NA+K+CA+MG) | | | 19.416 | | 20.819 | | 15.867 | |

第 29-2 表 薩南地域水質一覧表 (つづき)

| | STC113 | STC114 | STC115 | STC116 |
|----------------------------------|----------|-----------|---------|-----------|
| NO | 63.0 | 56.0 | 100.0 | — |
| TEMP | — | — | — | — |
| TSM | — | — | — | — |
| PH(FD) | 7.20 | 7.20 | 8.00 | 7.90 |
| PH(LB) | — | — | — | — |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 99.700 | 95.700 | 2,448 | — |
| NA | 1845.000 | 2,445.000 | 106,358 | 335.500 |
| NH4 | — | — | — | 10248.000 |
| CA | 322.600 | 275.000 | 13,723 | 435.800 |
| MG | 55.000 | 189.900 | 15,627 | 1251.000 |
| FE | — | — | — | — |
| MN | — | — | — | — |
| ZN | — | — | — | — |
| CU | — | — | — | — |
| PB | — | — | — | — |
| AL | 2.200 | 5.500 | 0.612 | — |
| CL | 3524.000 | 4588.000 | 129,427 | 18917.000 |
| BR | 12.700 | 16.300 | 0.204 | 63.900 |
| I | 0.020 | 0.020 | 0.000 | 0.040 |
| F | — | — | — | — |
| OH | — | — | — | — |
| SO4 | 173.700 | 402.400 | 3,378 | 2599.000 |
| SO3 | — | — | — | 54,111 |
| HC03 | 117.100 | 137.300 | 2,250 | 161.000 |
| CO3 | — | — | TR. | — |
| ST02 (MG/KG) (MMOL/KG) | | | | |
| HB02 | 116.010 | 101.009 | 1,682 | 12.001 |
| H3P04 | 26.700 | 21.900 | 0.500 | — |
| HAS02 | — | — | — | — |
| CO2 | — | — | — | — |
| H2S | 4.400 | 4.400 | 0.100 | 0.400 |
| CL/F | — | — | — | — |
| RN (*F-10 CURIE/L) | — | — | — | — |
| NA/K | 51,470 | 43,447 | 24,717 | 51,944 |
| CA/(HC03+CO3) | 8,357 | 6,098 | 13,779 | 8,241 |
| MG/CA | 0.281 | 1.139 | 0.358 | 4.734 |
| NA/CA | 4,936 | 7,751 | 6,212 | 20,499 |
| CL/(HC03+CO3) | 51,797 | 57,514 | 106,680 | 202,232 |
| CL/F | — | — | — | — |
| CL+SO4/(CL+SO4+HC03+CO3) | 94.725 | 92.411 | 95.782 | 90.388 |
| SO4*100/(CL+SO4+HC03+CO3) | 3.446 | 5.982 | 3.320 | 9.165 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 1.829 | 1.607 | 0.892 | 0.447 |
| (NA+K)*100/(NA+K+CA+MG) | 90.661 | 78.756 | 82.634 | 78.467 |
| CA*100/(NA+K+CA+MG) | 15.564 | 9,933 | 12,785 | 3,755 |
| MG*100/(NA+K+CA+MG) | 4.376 | 11.311 | 4,581 | 17,778 |
| (CL+SO4)*100/(CL+SO4+HC03+CO3) | 98.171 | 98.393 | 99.102 | 99.553 |
| (HC03+CO3)*100/(CL+SO4+HC03+CO3) | 1.429 | 1.607 | 0.898 | 0.447 |
| (NA+K)*100/(NA+K+CA+MG) | 80.061 | 78.756 | 82.634 | 78.467 |
| (CA+MG)*100/(NA+K+CA+MG) | 19.939 | 21,244 | 17,366 | 21,533 |

第29-2表 諸 質一覧表 (つづき)

| NO | STC117 | |
|----------------------------------|----------|---------|
| TEMP | 53.5 | |
| TSM | - | |
| PH(FD) | 6.29 | |
| PH(LB) | - | |
| H (MG/KG) (KVAL/KG) | - | - |
| K | 135.900 | 3.676 |
| NA | 2256.000 | 97.701 |
| NH4 | - | - |
| CA | 348.500 | 17.390 |
| MG | 49.600 | 4.082 |
| FE | - | - |
| MN | - | - |
| ZN | - | - |
| CU | - | - |
| PB | - | - |
| AL | 3.100 | 0.345 |
| CL | 4219.000 | 119.018 |
| BR | 19.300 | 0.192 |
| I | 0.020 | 0.000 |
| F | - | - |
| OH | - | - |
| S04 | 161.800 | 3.358 |
| S203 | - | - |
| HC03 | 115.900 | 1.500 |
| C03 | - | - |
| SI02 (MG/%G) (MPL/KG) | 166.015 | 2.764 |
| H02 | 21.900 | 0.500 |
| H3P04 | - | - |
| HAS02 | - | - |
| C02 | 5.100 | 0.116 |
| H2S | - | - |
| RN (*E-10 CURIE/L) | - | - |
| NA/K | 28.105 | |
| CA/(HC03+C03) | 9.155 | |
| MG/CA | 0.4235 | |
| NA/CA | 5.618 | |
| CL/(HC03+C03) | 52.654 | |
| CL/F | - | |
| CL*100/(CL+S04+HC03+C03) | 95.769 | |
| S04*100/(CL+S04+HC03+C03) | 2.702 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.529 | |
| (NA+K)*100/(NA+K+CA+MG) | 52.493 | |
| CA*100/(NA+K+CA+MG) | 14.179 | |
| MG*100/(NA+K+CA+MG) | 3.328 | |
| (CL+S04)*100/(CL+S04+HC03+C03) | 93.471 | |
| (HC03+C03)*100/(CL+S04+HC03+C03) | 1.529 | |
| (NA+K)*100/(NA+K+CA+MG) | 52.493 | |
| (CA+MG)*100/(NA+K+CA+MG) | 17.507 | |

第 29-3 表 薩南地域特定成分含量の頻度分布表

FREQUENCY DATA OF ZN, CU, P₂, AS AND H₂S

| ZN | N | F(%) | CU | N | F(%) |
|------------------|-----|-------|--------|-----|-------|
| ND | 117 | 100.0 | ND | 117 | 100.0 |
| <0.500 | 0 | 0. | <0.300 | 0 | 0. |
| <5.000 | 0 | 0. | <3.000 | 0 | 0. |
| >5.000 | 0 | 0. | >3.000 | 0 | 0. |
| TOTAL | 117 | 100. | TOTAL | 117 | 100.0 |
| P ₂ | N | F(%) | AS | N | F(%) |
| ND | 117 | 100.0 | ND | 113 | 96.6 |
| <0.100 | 0 | 0. | <0.050 | 1 | 0.8 |
| <1.000 | 0 | 0. | <0.500 | 2 | 1.7 |
| >1.000 | 0 | 0. | <5.000 | 1 | 0.9 |
| | | | >5.000 | 0 | 0. |
| TOTAL | 117 | 100.0 | TOTAL | 117 | 100.0 |
| H ₂ S | N | F(%) | | | |
| ND | 114 | 97.0 | | | |
| < 1.000 | 3 | 2.5 | | | |
| < 10.000 | 0 | 0. | | | |
| < 100.000 | 0 | 0. | | | |
| > 100.000 | 0 | 0. | | | |
| TOTAL | 117 | 100.0 | | | |

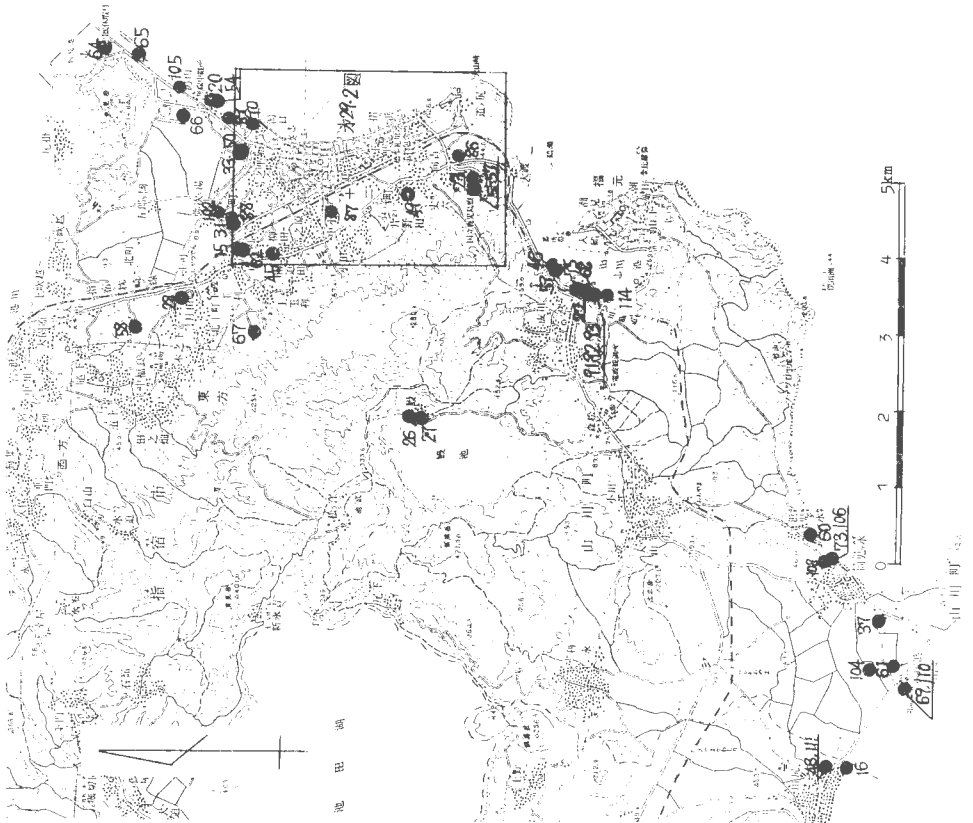
N= NUMBER OF SAMPLES

F= FREQUENCY(%)

第 29-2 図 試料採取地 (指宿温泉中心部)



第 29-1 図 試料採取地 (指宿温泉中心部を除く)

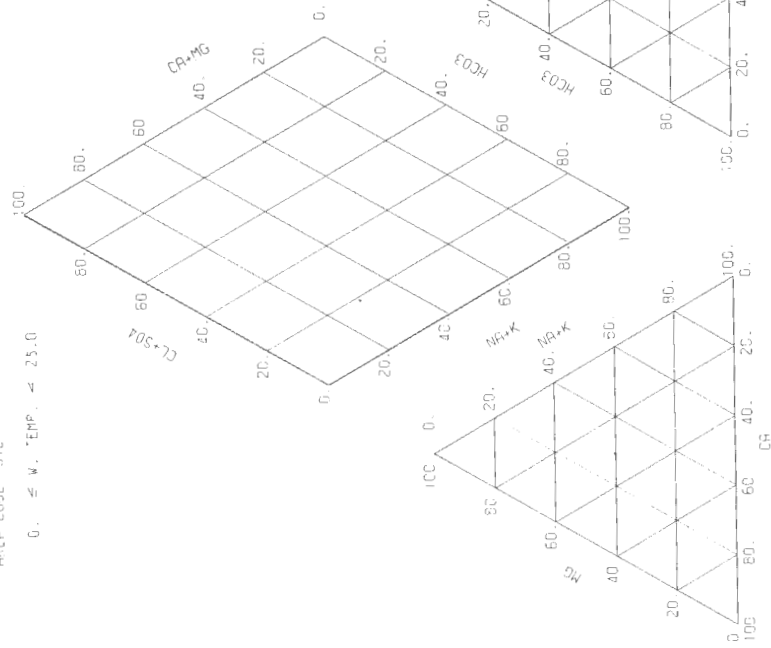


第 29-3 図 薩南地域水質組成図 (その1) (水温25℃未満)

SATSUNAMI

AREA CODE SIC

0. ≦ W. TEMP. < 25.0

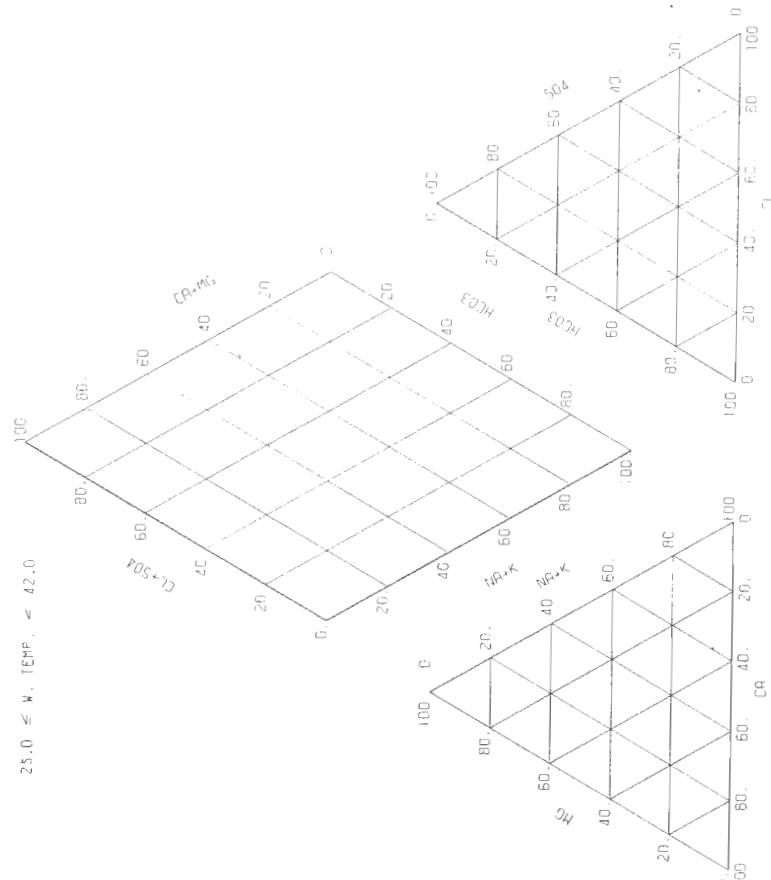


第 29-3 図 薩南地域水質組成図 (その2) (水温25℃以上42℃未満)

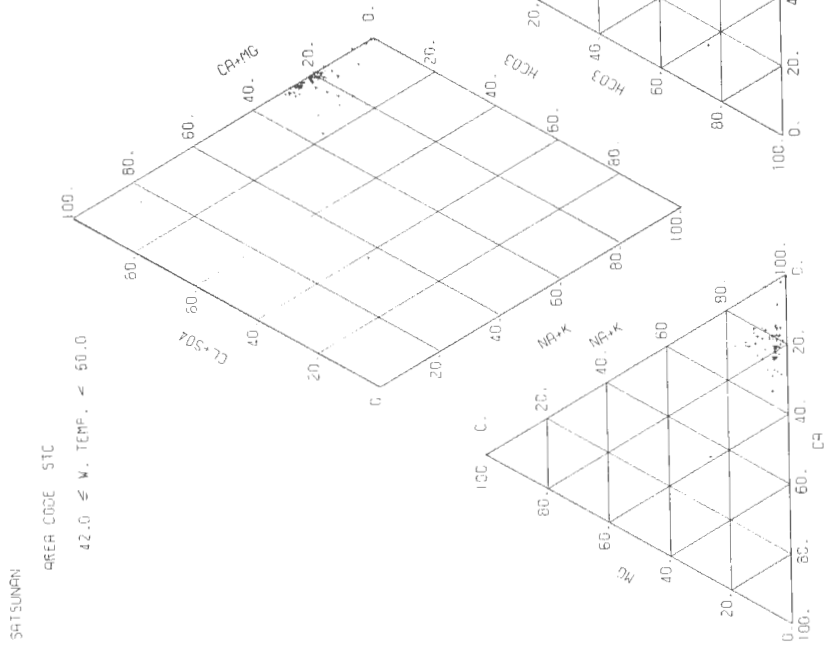
SATSUNAMI

AREA CODE SIC

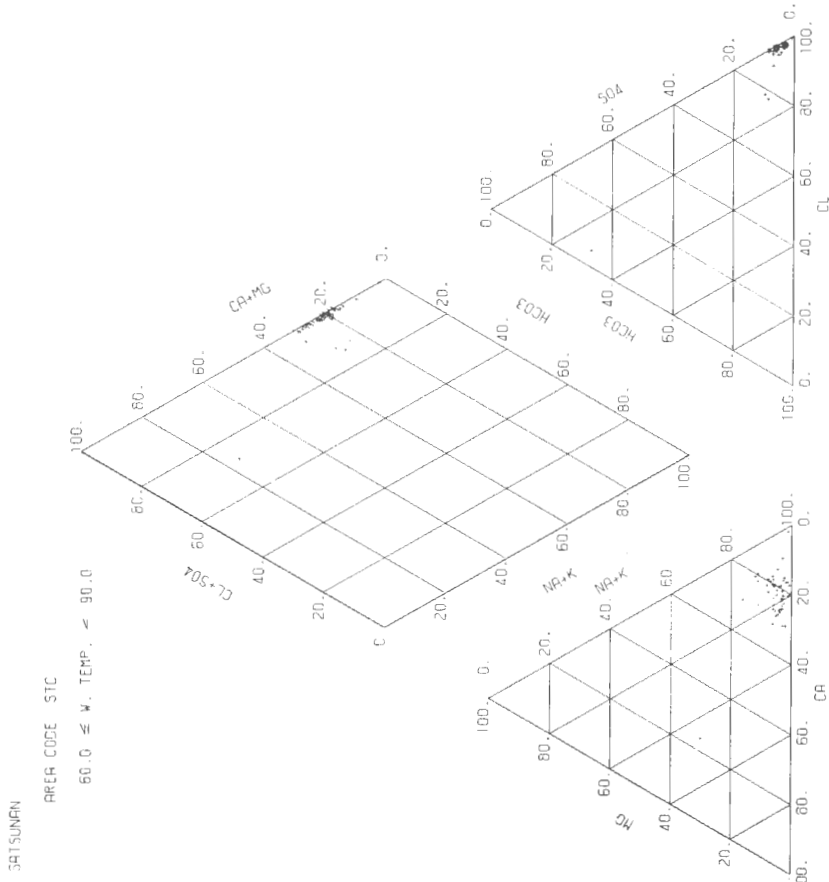
25.0 ≦ W. TEMP. < 42.0



第 29-3 図 薩南地域水質組成図 (その 3) (水温42℃以上60℃未満)



第 29-3 図 薩南地域水質組成図 (その 4) (水温60℃以上90℃未満)

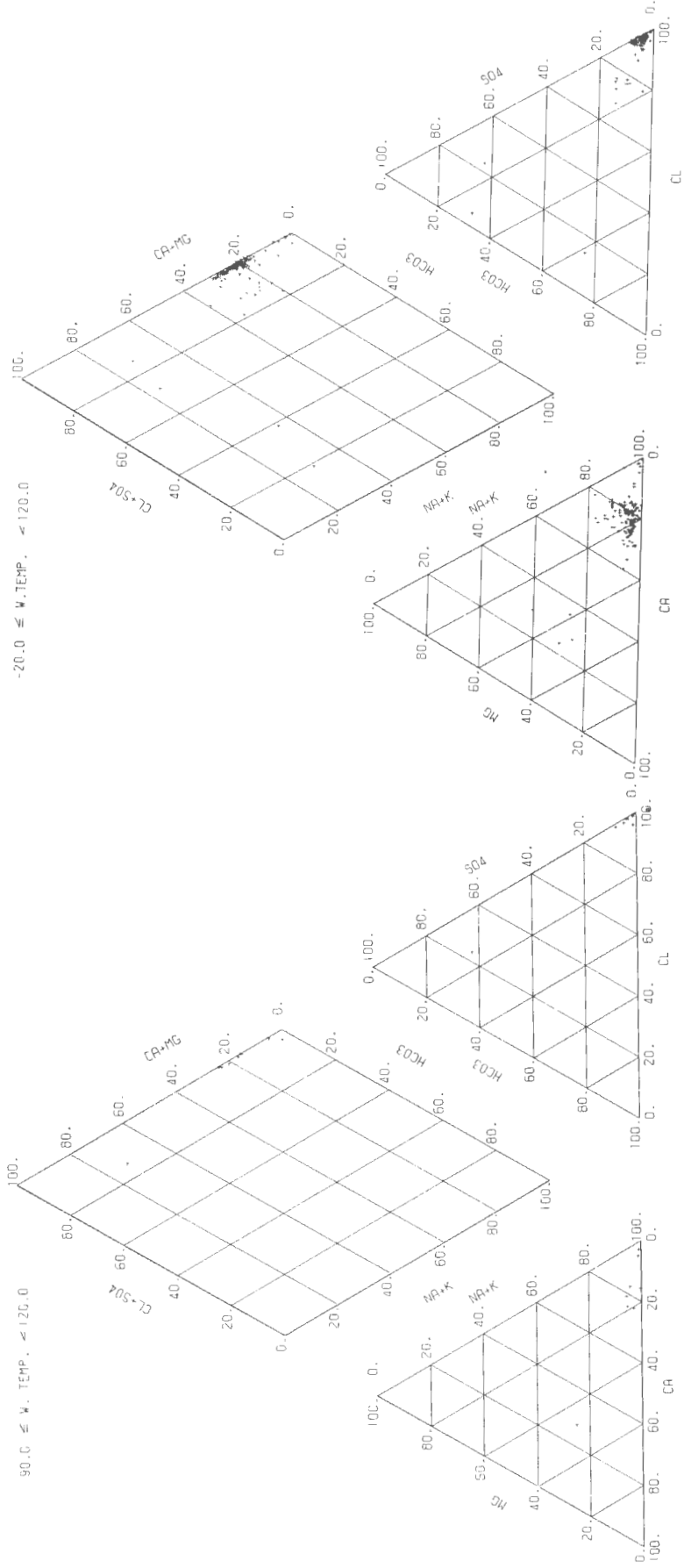


第29-3図 薩南地域水質組成図（その5）（水温90℃以上120℃未満）

SATSUNAMI

AREA CODE STC

90.0 ≤ W. TEMP. < 120.0

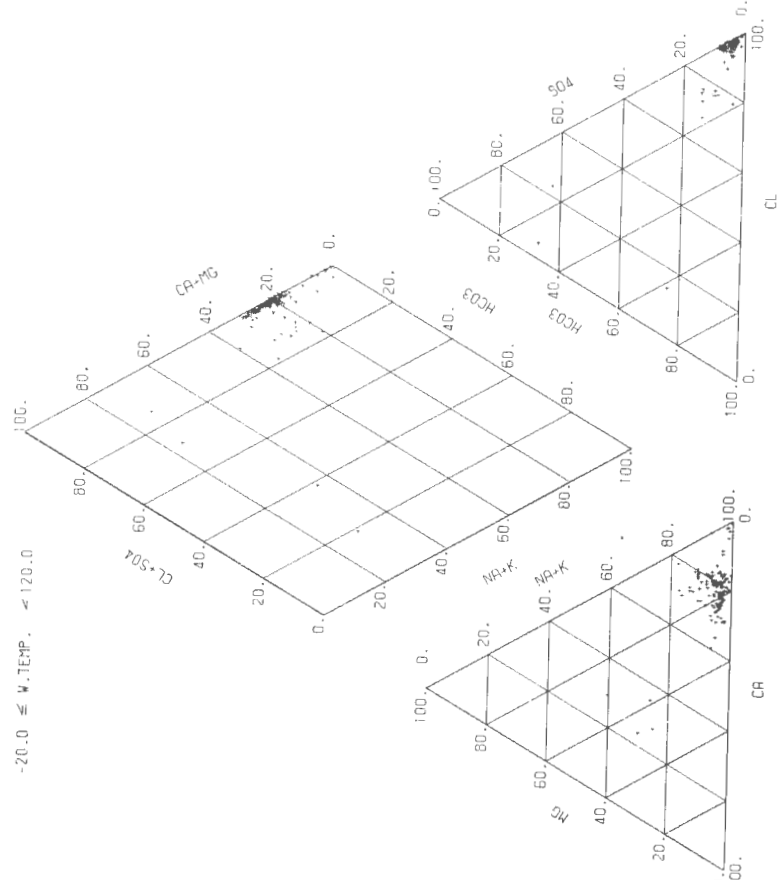


第29-3図 薩南地域水質組成図（その6）（全試料）

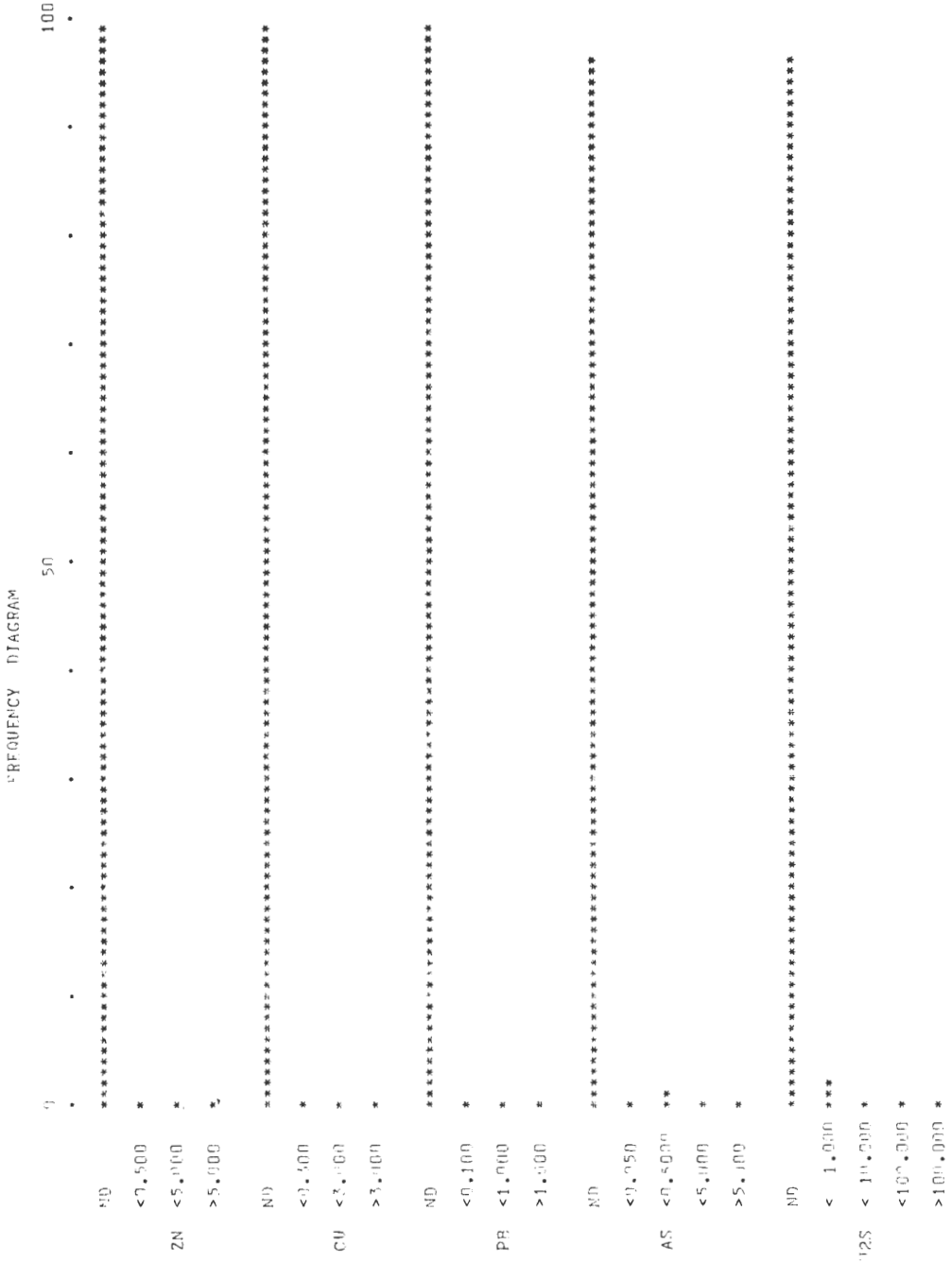
SATSUNAMI

AREA CODE STC

-20.0 ≤ W. TEMP. < 120.0



第 29-4 図 薩南地域特定成分含量の頻度分布図



第30-1表 南西諸島地域試料一覽表

| No. | 産地 | 温泉名 | 源泉名 | 採水年月日 | 文献no. | 文献中の試料no. | 備考 |
|-------|----------------|------|-------|-------------|-------|-----------|----------------|
| SWC-1 | 鹿児島県鹿児島郡三島村硫黄島 | 北平 | | 1961. 7. 22 | 28 | 1 | |
| " | " | " | 下海岸 | 1962. 7. 30 | " | 2 | |
| " | " | 東 | No. 9 | 1961. 7. 23 | " | 3 | SWC-4, 5 と同一源泉 |
| " | " | " | " | 1962. 7. 23 | " | 4 | |
| " | " | " | " | 1958. 5. 26 | " | 5 | |
| " | " | 長浜 | " | 1961. 7. 27 | " | 6 | |
| " | " | 坂本 | " | 1962. 8. 26 | " | 7 | |
| " | " | 新硫黄島 | " | " 7. 28 | " | 8 | |
| " | " | 硫黄島 | ウタン浜 | 1963. 8. 4 | " | 9 | |

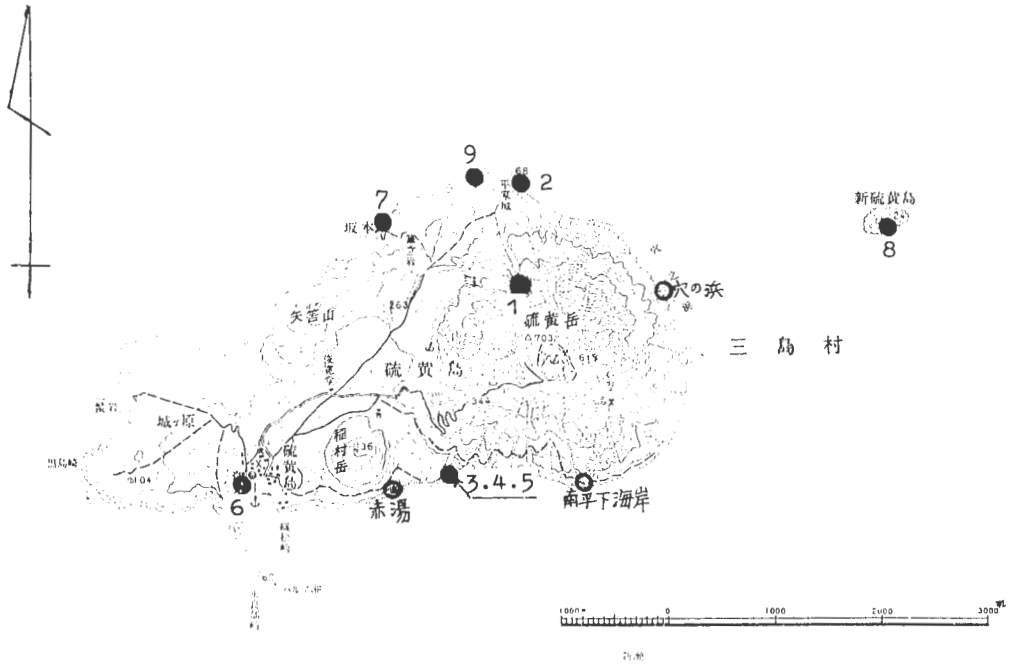
第30-1表 南西諸島海域水質一覽表

| NO | SWC: 1 | SWC 2 | SWC: 3 | SWC: 4 |
|----------------------------------|-----------|---------|----------|---------|
| TEMP | 79.2 | 70.0 | 53.3 | 51.5 |
| TSM | | | | |
| PH(FD) | 1.10 | 1.30 | 1.64 | 1.70 |
| PH(LB) | | | | |
| H (MG/KG) (MVAL/KG) | | | | |
| K | 202.000 | 5.167 | 3.581 | 2.481 |
| NA | 800.000 | 34.800 | 24.143 | 13.920 |
| NH4 | | 240.000 | 140.000 | 97.000 |
| CA | 680.000 | 222.000 | 193.000 | 168.000 |
| MG | 175.000 | 14.401 | 9.463 | 7.530 |
| FE | 649.000 | 23.241 | 17.000 | 59.000 |
| MN | 16.600 | 0.604 | 0.609 | 33.000 |
| ZN | | 20.900 | 17.300 | 10.800 |
| CU | | | | |
| PB | | | | |
| AL | 1220.000 | 135.652 | 771.000 | 788.000 |
| CL | 1156.000 | 32.611 | 1390.000 | 804.000 |
| BR | | | | |
| I | | | | |
| F | | | | |
| OH | | | | |
| SD4 | 14250.000 | 296.685 | 124.920 | 108.930 |
| S203 | | 0.0 | | 0.0 |
| HC03 | | 0.0 | | 0.0 |
| C03 | | | | |
| ST02 (MG/KG) (MMOL/KG) | 304.643 | 5.072 | 235.406 | 231.559 |
| H3P04 | | | | |
| HAS02 | | | | |
| C02 | | | | |
| H2S | | 149.000 | | 51.300 |
| RN (*E-10 CURIE/L) | | | | |
| NA/K | 6.735 | 3.862 | 6.741 | 5.610 |
| CA/(HC03+C03) | | | | |
| MG/CA | 0.426 | 0.854 | 0.782 | 0.579 |
| NA/CA | 1.026 | 2.140 | 2.507 | 1.660 |
| CL/(HC03+C03) | | | | |
| CL/F | | | | |
| CL*100/(CL+S04+HC03+C03) | | 26.493 | | 17.233 |
| S04*100/(CL+S04+HC03+C03) | | 73.507 | | 82.767 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 0.000 | | 0.000 |
| (NA+K)*100/(NA+K+CA+MG) | 45.263 | 59.234 | 61.768 | 55.336 |
| CA*100/(NA+K+CA+MG) | 38.428 | 21.985 | 21.457 | 28.284 |
| MG*100/(NA+K+CA+MG) | 16.309 | 18.781 | 16.776 | 16.381 |
| (CL+S04)*100/(CL+S04+HC03+C03) | | 100.000 | | 100.000 |
| (HC03+C03)*100/(CL+S04+HC03+C03) | | 0.000 | | 0.000 |
| (NA+K)*100/(NA+K+CA+MG) | 45.263 | 59.234 | 61.768 | 55.336 |
| (CA+MG)*100/(NA+K+CA+MG) | 54.737 | 40.766 | 38.232 | 44.664 |

第30-1表 高西諸島地底水質一覽表 (つづき)

| NO | SWC 5 | SWC 6 | SWC 7 | SWC 8 |
|----------------------------------|----------|----------|----------|-----------|
| TEMP | 55.0 | 46.2 | 49.5 | 55.0 |
| TSM | - | - | - | - |
| PH(FD) | 1.60 | 4.60 | 6.30 | 5.40 |
| PH(LB) | - | - | - | - |
| H (MG/KG) (MVAL/KG) | - | - | - | - |
| K | - | 295,000 | 171,000 | 520,000 |
| NA | - | 3085,000 | 4180,000 | 10200,000 |
| NH4 | - | - | 5,244 | 4,374 |
| CA | - | 326,000 | 272,000 | 181,830 |
| MG | - | 348,000 | 16,267 | 13,573 |
| FE | - | 151,000 | 28,637 | 49,539 |
| MN | - | 31,800 | 5,407 | 0,028 |
| ZN | - | - | 1,158 | 8611,000 |
| CU | - | - | - | - |
| PB | - | - | - | - |
| AL | - | 33,000 | 3,669 | 40,000 |
| CL | 1440,000 | 4875,000 | 8040,000 | 17250,000 |
| BR | - | - | - | 226,808 |
| I | 11,800 | - | - | - |
| OH | - | - | - | - |
| SO4 | 6182,000 | 2544,000 | 1220,000 | 2736,000 |
| S2O3 | - | - | - | - |
| HCO3 | - | 128,709 | 52,966 | 72,600 |
| CO3 | - | - | 0.0 | 0.0 |
| SI02 (MG/KG) (MMOL/KG) | - | 152,321 | 91,547 | 91,547 |
| H8O2 | - | - | - | - |
| H3PO4 | - | - | - | - |
| HASO2 | - | - | - | - |
| CO2 | - | - | - | - |
| H2S | - | - | 56,800 | 335,000 |
| RN (*E-10 CURIE/L) | - | - | - | - |
| NA/K | - | 25,591 | 41,569 | 33,357 |
| CA/(HCO3+C03) | - | - | 8,281 | 16,605 |
| MG/CA | - | 1,760 | 3,650 | 5,164 |
| NA/CA | - | 8,249 | 13,397 | 22,454 |
| CL/(HCO3+C03) | - | - | 138,382 | 408,927 |
| CL/F | 65.398 | - | - | - |
| CL*100/(CL+S04+HCO3+C03) | - | - | 89,348 | 89,326 |
| S04*100/(CL+S04+HCO3+C03) | - | - | 10,006 | 10,456 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | - | - | 0,646 | 0,218 |
| (NA+K)*100/(NA+K+CA+MG) | - | 75,641 | 74,686 | 78,957 |
| CA*100/(NA+K+CA+MG) | - | 8,824 | 5,444 | 3,414 |
| MG*100/(NA+K+CA+MG) | - | 15,534 | 19,870 | 17,629 |
| (CL+S04)*100/(CL+S04+HCO3+C03) | - | - | 99,354 | 99,782 |
| (HCO3+C03)*100/(CL+S04+HCO3+C03) | - | - | 0,646 | 0,218 |
| (NA+K)*100/(NA+K+CA+MG) | - | 75,641 | 74,686 | 78,957 |
| (CA+MG)*100/(NA+K+CA+MG) | - | 24,359 | 25,314 | 21,043 |

第 30-1 図 試料採取地 (南西諸島全域)

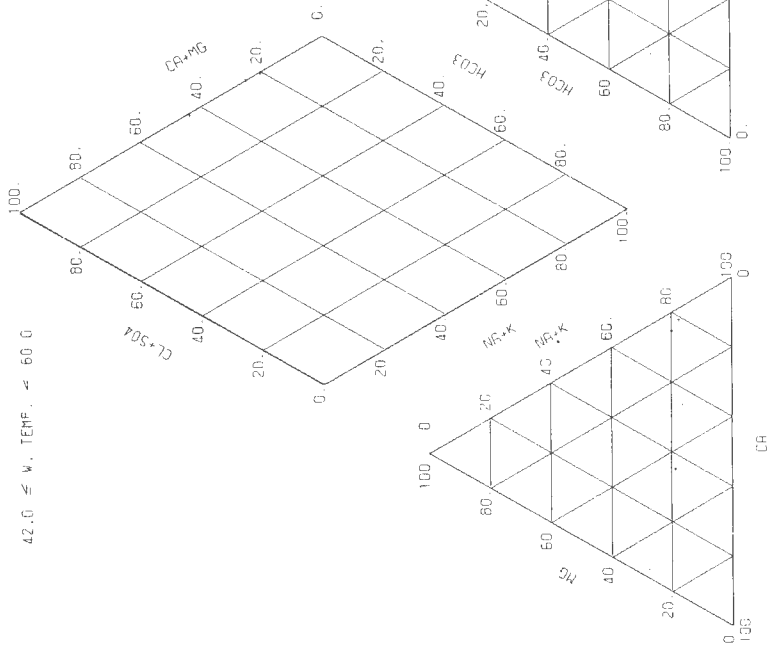


第30-2図 南西諸島地域水質組成図(その1) (水温42℃以上60℃未満)

ナンセト I ISLANDS

AREA CODE SWC

42.0 ≤ W. TEMP. < 60.0

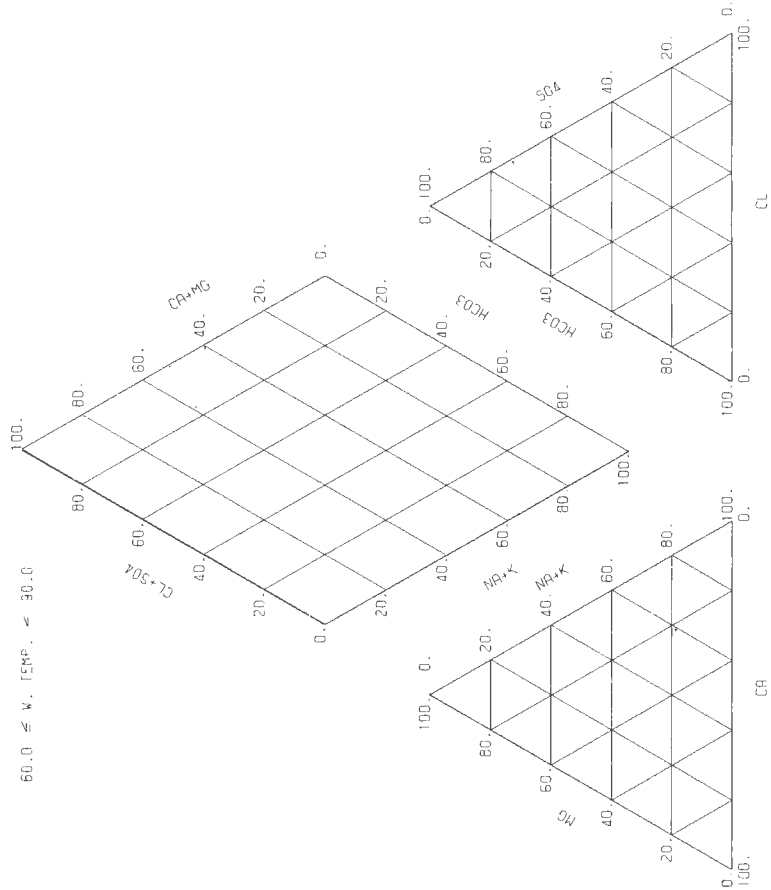


第30-2図 南西諸島地域水質組成図(その2) (水温60℃以上90℃未満)

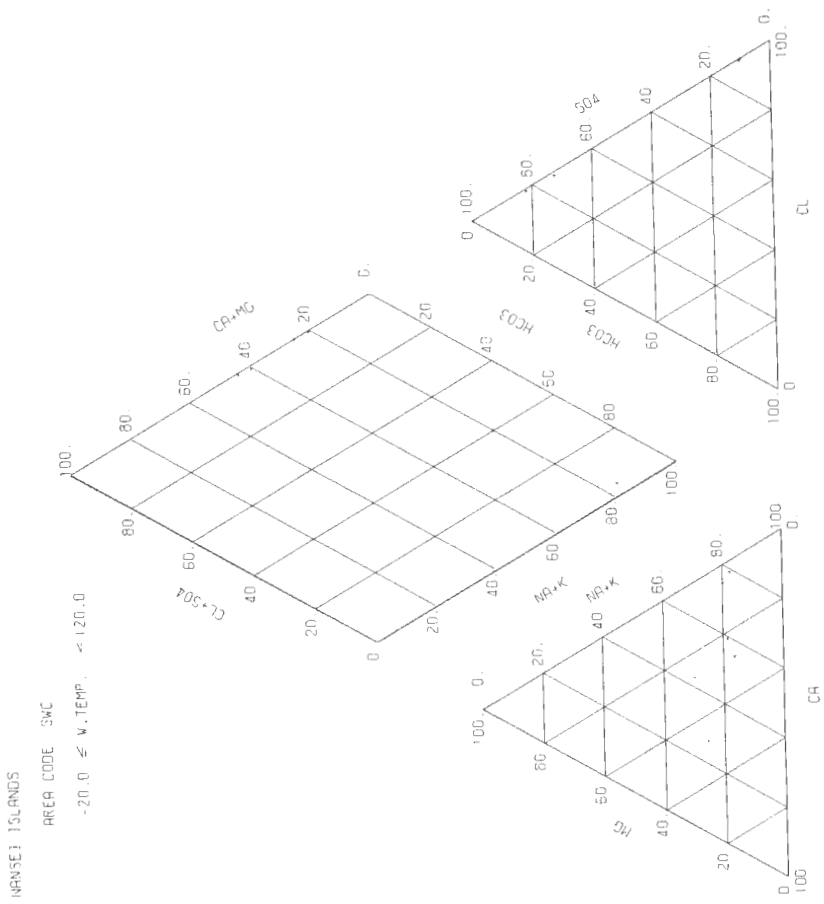
ナンセト I ISLANDS

AREA CODE SWC

60.0 ≤ W. TEMP. < 90.0



第30-2図 南西諸島地域水質組成図(その3) (全試料)



地質調査所報告は1報文について報告1冊を原則とし、その分類の便宜のために、次のようにアルファベットによる略号をつける。

- A. 地質およびその基礎科学に関するもの
 - a. 地質
 - b. 岩石・鉱物
 - c. 古生物
 - d. 火山・温泉
 - e. 地球物理
 - f. 地球化学
- B. 応用地質に関するもの
 - a. 鉱床
 - b. 石炭
 - c. 石油・天然ガス
 - d. 地下水
 - e. 農林地質・土木地質
 - f. 物理探鉱・化学探鉱および試錐
- C. その他
- D. 事業報告

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 - b. Petrology and Mineralogy
 - c. Paleontology
 - d. Volcanology and Hot spring
 - e. Geophysics
 - f. Geochemistry
- B. Applied geology
 - a. Ore deposits
 - b. Coal
 - c. Petroleum and Natural gas
 - d. Uunderground water
 - e. Agricultural geology and Engineering geology
 - f. Physical prospecting, Chemical prospecting & Boring
- C. Miscellaneous
- D. Annual Report of Progress

地質調査所報告

第 252 号

HASE, H.: Geologic remote sensing of the Kusatsu—Manza geothermal area, central Japan, 1974

第 253 号

ONOE, T.: A middle Miocene flora from Oguni-machi, Yamagata Prefecture, Japan, 1974

第 254 号

地震波速度変化研究グループ：爆破地震による地震波速度の時間的变化に関する研究，第 1 部 観測報告，第 2 部 走時の解析結果，1975

第 255 号

SUZUKI, T.: Heavy mineral composition of the recent marine sediments in three different environment, 1975

第 256 号

広川 治：北部九州の地質構造—長崎三角地域にまつわる問題—，1976

REPORT, GEOLOGICAL SURVEY OF JAPAN

No. 252

HASE, H.: Geologic remote sensing of the Kusatsu—Manza geothermal area, central Japan, 1974 (in English)

No. 253

ONOE, T.: A middle Miocene flora from Oguni-machi, Yamagata Prefecture, Japan, 1974 (in English)

No. 254

RESEARCH GROUP for SEISMIC WAVE VELOCITY: Precise measurements of changes in seismic wave velocities by means of explosion-seismic method, 1975 (in Japanese with English abstract)

No. 255

SUZUKI, T.: Heavy mineral composition of the recent marine sediments in three different environment, 1975 (in English)

No. 256

HIROKAWA, O.: Geotectonics of Northern Kyushu—Problems concerning the “Nagasaki Dreiecke”—, 1976 (in Japanese with English abstract)

日本の主要地熱地域の熱水の化学組成

編集 比留川 貴・安藤直行・角 清愛

地質調査所報告, no. 257, p. 1~934, 1977

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HIRUKAWA, T.

ANDO, N.

SUMI, K.

わが国における主要地熱地域30地域に分布する熱水の化学組成資料 2,325種を収集し、一定の方式にしたがって整理・再計算して編集した。記載されたデータは水温, T.S.M., pH, H⁺, K⁺, Na⁺, NH₄⁺, Ca²⁺, Mg²⁺, Fe²⁺, Mn²⁺, Zn²⁺, Cu²⁺, Pb²⁺, Al³⁺, Cl⁻, Br⁻, I⁻, F⁻, OH⁻, SO₄²⁻, S₂O₃²⁻, HCO₃⁻, CO₃²⁻, SiO₂, HBO₂, H₃PO₄, HAsO₂, CO₂, H₂S および Rn の 31 項目である。また、上記の数値の中から地熱貯留層の温度を推定するために有効とされている当量比 Na/K, Ca/(HCO₃+CO₃), Mg/Ca, Na/Ca, Cl/(HCO₃+CO₃) および Cl/F の 6 種を求めた。さらに、主要陰・陽イオンの三角図および菱形図作成のための計算と作図を行なった。

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印刷者 和田 信 一

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Isamu KOBAYASHI, Director

**CHEMICAL COMPOSITION OF THE THERMAL
WATERS FROM THIRTY MAIN
JAPANESE GEOTHERMAL FIELDS**

Edited by
Takashi HIRUKAWA, Naoyuki ANDO and Kiyoshi SUMI

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