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日本の主要地熱地域の熱水の

化学組成, その2

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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, その2

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のうちの15地域に分布する熱水(温泉水)の化学組成資料を収集し, 894種について一定の方式にしたがって整理・再計算して編集した。この作業は, さきに出版された「日本の主要地熱地域の熱水の化学組成」(比留川ほか, 1977)のその2にあたるもので, 昭和51年度から昭和54年度にわたって実施された「地熱開発基礎調査」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(TEMP), 31化学成分, 6当量比及び10当量百分率である。31化学成分は蒸発残留物(TSM), pH値(野外及び実験室), H^+ , K^+ , Na^+ , NH_4^+ , Ca^{2+} , Mg^{2+} , 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-}), $S_2O_8^{2-}+HS_2O_8^-$ (as $S_2O_8^{2-}$), 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) 及び 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 , $Cl/(HCO_3+CO_3)$ 及び Cl/F である。10当量百分率は $Cl-SO_4-(HCO_3+CO_3)$, $(Na+K)-Ca-Mg$, $(Cl+SO_4)-(HCO_3+CO_3)$ 及び $(Na+K)-(Ca+Mg)$ 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当量百分率及び水汚染の法令に関連する Zn, Cu, Pb, As 及び H_2S の特定成分含量を3角図, 菱形図又は頻度分布図・表に示した。

ま え が き

「日本の主要地熱地域の熱水の化学組成」の「その1」にあたるものは, 4年前に出版された(比留川ほか, 1977)。それは, 日本の主要地熱地域のうちの30地域に分布する熱水の化学組成資料2325種を収集・整理・編集したものである。その作業は, 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」の中で行われた。その後, 同調査の延長ともいえる「地熱開発基礎調査」が昭和51年度から昭和54年度にわたって行われ, その中で, 同様な熱水の化学組成資料の収集・整理・編集が行われた。この調査は, 昭和54年度で一たん終止符が打たれたので, 4年間の作業結果を「日本の主要地熱地域の熱水の化学組成, その2」として取りまとめた。「その1」と併せて地熱資源開発に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にあたっては, 実際に化学分析を行うことなく, 既存のデータを収集・整理す

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ることによって進められたものであり、データの提供があつて始めてできたものである。したがつて、これらのデータ、とくに、未公表資料の主たる提供者である各地方自治体当局に対し、ここに深甚な謝意を表する次第である。また、この報告に含まれている熱水試料採取地点図の作成にあつて御協力いただいた地元市町村の方がた及びグループ員として本報告の資料収集を担当された地質調査所の研究者の方がたにも、あわせて感謝いたします。これら御協力をいただいた方がた及び一部地域の「地化学調査」(請負)を担当された企業の氏名あるいは名称を地域ごとの記述の冒頭に記します。

例 言

1. 概 要

本報告は、わが国における主要地熱地域15地域の熱水 894 種の化学組成及びその湧出地点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、道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及び地質調査所資料などである。

2. 調査地域及び地域名コード

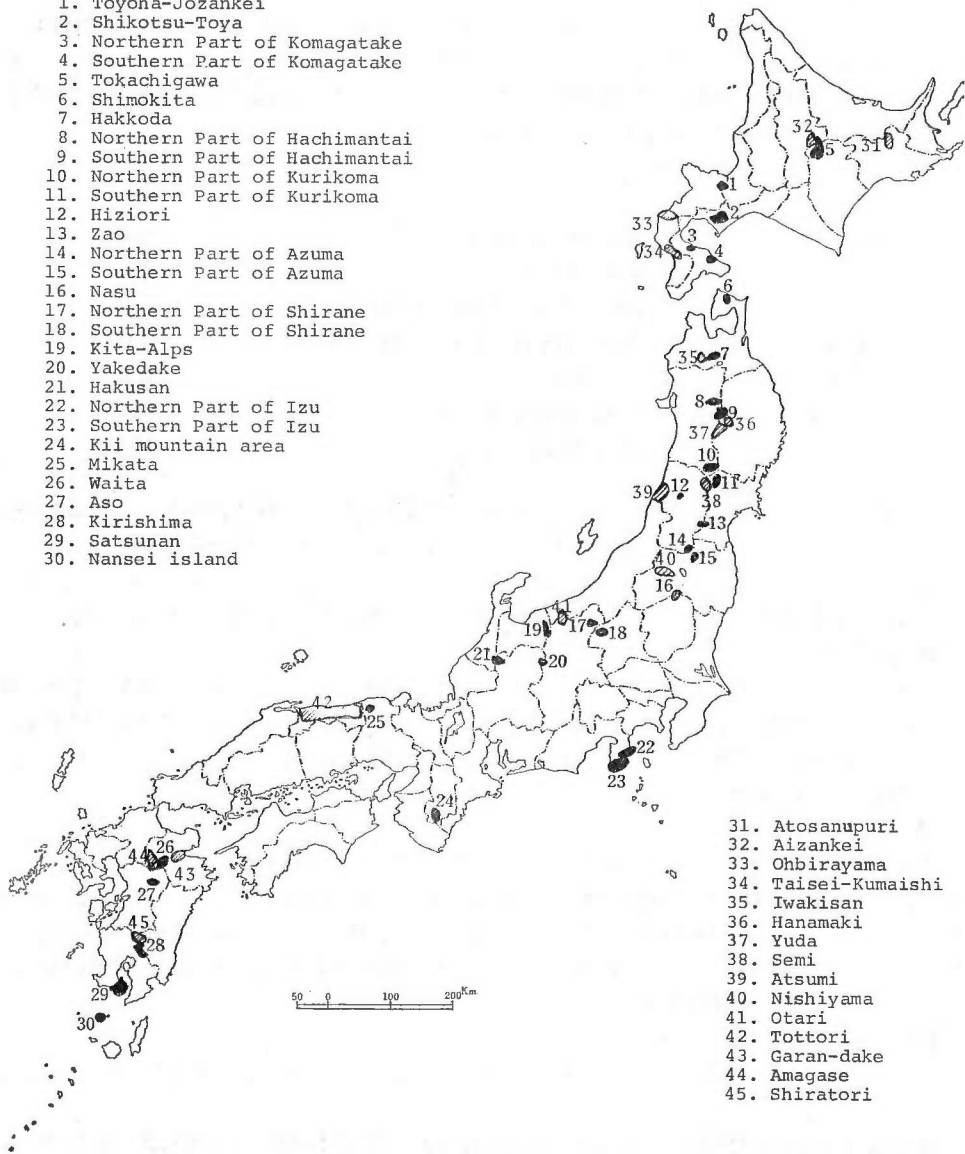
調査した地域は次の15地域〔全国的な位置は図参照、No. 1-30 は比留川ほか(1977)の調査地域、No. 31-45 は本報告の調査地域〕であり、これらは昭和51年-54年度に実施された「地熱開発基礎調査」に含まれているが、比留川ほか(1977)に示した地域との重複をさけ、かつデータの分布する範囲と地域名を一致させるため、一部の地域名を変更した。なお、下記には試料及びダイアグラムに使用した地域名コードを併記して示した。

No.	地 域 名	道・県 名	地域名コード	
			試料	ダイアグラム
31	アトサヌプリ	北 海 道	ARC	ATOSANUPURI
32	愛 山 溪	北 海 道	AZC	AIZANKEI
33	大 平 山	北 海 道	OBC	OHBIRAYAMA
34	大 成・熊 石	北 海 道	TKC	TAISEI-KUMAISHI
35	岩 木 山	青 森 県	IKC	IWAKISAN
36	花 巻	岩 手 県	HMC	HANAMAKI
37	湯 田	岩 手 県	YDC	YUDA
38	瀬 見	山 形 県	AKC	SEMI
39	温 海	山 形 県	ATC	ATSUMI
40	西 山	福 島 県	NYC	NISHIYAMA
41	小 谷	長野県・新潟県	OTC	OTARI
42	鳥 取	鳥 取 県	TOC	TOTTORI
43	伽 藍 岳	大 分 県	GKC	GARAN-DAKE
44	天 ケ 瀬	大分県・熊本県	MTC	AMAGASE
45	白 鳥	宮 崎 県	SRC	SHIRATORI

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。

1. Toyoha-Jozankei
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 island



31. Atosanupuri
32. Aizankei
33. Ohbirayama
34. Taisei-Kumaishi
35. Iwakisan
36. Hanamaki
37. Yuda
38. Semi
39. Atsumi
40. Nishiyama
41. Otari
42. Tottori
43. Garan-dake
44. Amagase
45. Shiratori

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、けい酸化合物については SiO_2 、 HSiO_3 及び 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た。

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
りん酸	PO_4 , HPO_4 , H_2PO_4 , H_3PO_4	H_3PO_4
亜ひ酸	AsO_2 , HAsO_2 , HAsO_3 , H_2AsO_3	HAsO_2
硫化水素	HS , H_2S	H_2S
けい酸	SiO_2 , HSiO_3 , H_2SiO_3	SiO_2
ほう酸	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+} 、 $(\text{Fe}^{2+} + \text{Fe}^{3+})$ 及び 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) で表した。

更に、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 SO_4 となっている。また mg (ミリグラム) 及び 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 (衛生研究所ではすべて mg/kg) または mg/l となっているが、すべての値をそのまま mg/kg として表示し、更に、これらの値からミリグラム当量値 (m val/kg) 又はミリモル値 (m mol/kg) を求めて併記した。また、Rn (ラドン) の含有量については、原資料の表示単位が mache (マッヘ)、eman (エマン) 及び 10^{-10}Ci/l となっているものを 10^{-10}Ci/l の単位に統一し、*E-10 CURIE/L と表示 (*は積の意) 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、特定成分の当量比及び陰・陽両主要成分の当量百分率を求めたものである。

NA/K, CA/($\text{HCO}_3 + \text{CO}_3$), MG/CA, NA/CA, CL/($\text{HCO}_3 + \text{CO}_3$) 及び CL/F の6種類の当量比は、 SiO_2 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。

CL*100/(CL+ SO_4 + HCO_3 + 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、熱水の温度範囲を25℃未満、25-42℃、42-60℃、60-90℃及び90-120℃の5種類に設定し、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CO₂の測定値が欠落であっても、計算及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

環境問題に関連して排出又は環境基準などが定められているZn, Cu, Pb, As及びH₂S含量の頻度分布については、一括して表・図示した。これら成分の濃度範囲(最低含量)設定にあたっては、Zn及びCuについては水質汚濁防止法の排出基準を、Pb及びAsについては公害対策基本法の環境基準を参考にした。また、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 Fifteen Fields of the Main Japanese Geothermal Fields

Compiled by

Takashi HIRUKAWA, Naoyuki ANDO and Kiyoshi SUMI

Abstract

Data on the chemical compositions of 894 thermal water samples from fifteen main geothermal fields in Japan were collected and recalculated under a standardized program in order to contribute the evaluation of geothermal resources. This work is the supplement of the work on thirty geothermal fields by the same authors published in 1977.

Thus, water temperature, thirty-one chemical components, six equivalent ratios and ten equivalent percentages were presented. Thirty-one chemical components are total amount of dissolved solid matter, pH values at the 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 , $Ca/(HCO_3+CO_3)$, Mg/Ca , Na/Ca , $Cl/(HCO_3+CO_3)$, 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, ten equivalent percentages and the content of some components such as Zn, Cu, Pb, As and H_2S which are related to the water pollution control law were diagrammatically shown on triangular and rhombic diagrams or histograms.

General Guidelines of the Service of the State

Principles of the State Service

1. Introduction

The State Service is a public institution that provides services to the citizens of the State.

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日本主要地熱地域水質一覧表

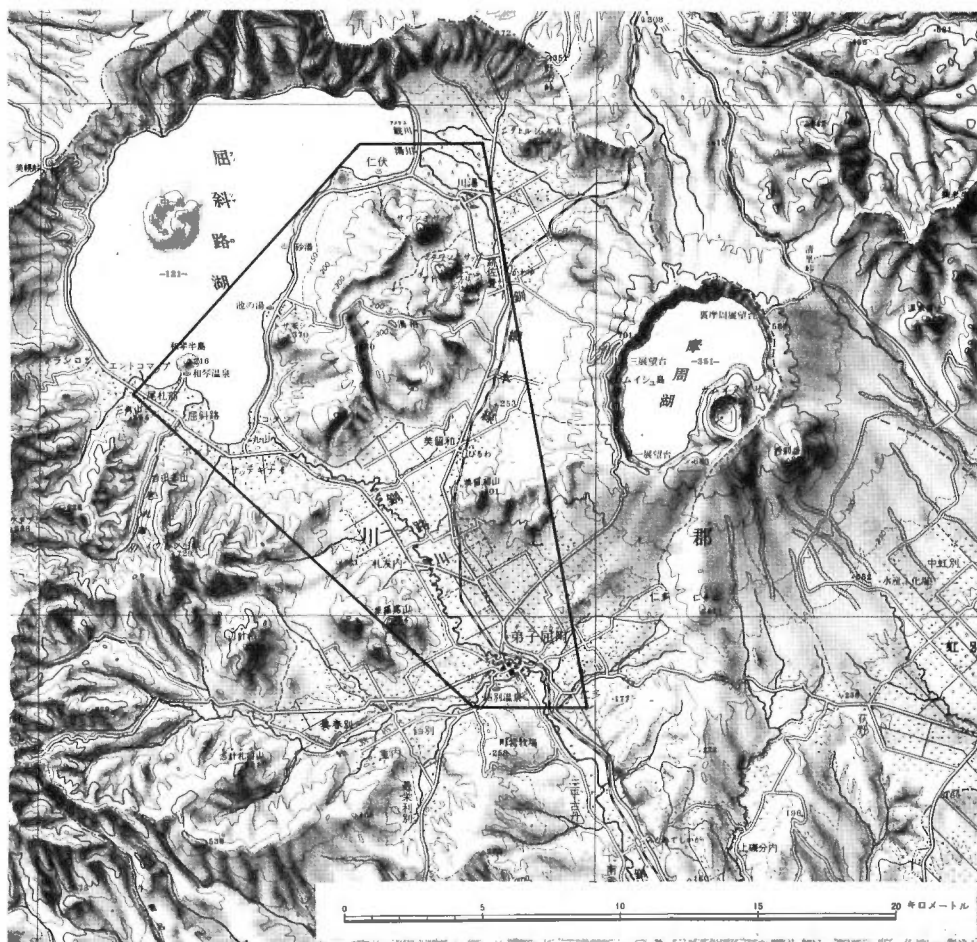
その2

31. アトサヌプリ

Atosanupuri

位置	北海道川上郡弟子屈町
データ数	97
収集・整理	五十嵐昭明・岡部賢二・比留川 貴
協力	北海道地下資源調査所, 同衛生研究所, 同川上郡弟子屈町

調査位置図 (この地図は、国土地理院発行の20万分の1地勢図「斜里」を使用したものである)



第 31-1 表 アトサヌブプリ地域試料一覽表

No.	産地	温泉名	源泉名	分析年月日	文献 No.	文献中の試料 No.	備考
ARC-1	北海道川上郡弟子屈町屈斜路和琴	(和琴)	和琴地獄	1977. 5	11	2. A. 1	D=0m, F
"	"	"	湖畔露天風呂	"	"	2. A. 2	D=0m, F
"	"	"	恒川井	"	"	2. A. 3	D=170m, Q=55.5l/m, F
"	"	"	静翠荘	"	"	2. A. 4	D=100m, Q=382l/m, F
"	"	"	古丹	"	"	2. B. 1	D=83m, Q=31.2l/m, P
"	"	"	池の湯	"	"	2. C. 1	D=0m, Q=80.0l/m, F
"	"	"	池の湯クラブ	"	"	2. C. 2	D=20m, Q=30l/m, P
"	"	"	イナセランド2号泉	"	"	2. C. 3	D=84m, Q=300l/m, P
"	"	"	イナセランド4号泉	"	"	2. C. 4	D=120m, Q=340l/m, P
"	"	"	砂湯レストハウス	"	"	2. D. 1	D=10m, Q=20l/m, P
"	"	"	板谷泉源	1978. 5	"	2. D. 2	Q=28.6l/m, F
"	"	"	トヨタ湖の家	1977. 5	"	2. E. 1	D=25m, Q=50l/m, P
"	"	"	にぶしの里	"	"	2. E. 2	Q=39.9l/m, P
"	"	"	富士火災湖畔荘	"	"	2. E. 3	D=30m, P
"	"	"	辻谷建設	"	"	2. E. 4	Q=68l/m, P
"	"	"	営林署	"	"	2. E. 5	D=0m, Q=101l/m, P
"	"	"	営林署小浴場	"	"	"	"
"	"	"	近藤直吉1号泉	(1964. 11. 6)	9	39年-2443号	D=3.3m, P
"	"	"	近藤直吉2号泉	(" 12. 14)	"	39年-3228号	D=0m, P
"	"	"	岩下トキ	(" ")	"	39年-3229号	D=0m, Q=8l/m, F
"	"	"	渡辺忠義	(1966. 11. 29)	"	41衛研委4037号	D=3m, P
"	"	"	菅野正司	(1970. 10. 20)	"	45衛研委1090号	D=30m, P
"	"	"	湖山荘	(" ")	"	45衛研委1092号	D=85m, P
"	"	"	中島政雄	1978. 5	11	3. A. 1	D=20m, Q=61.6l/m, P
"	"	"	国鉄共済白樺荘	"	"	3. A. 2	D=0m, Q=0.5l/m, F
"	"	"	砂山時男	"	"	3. A. 3	D=16.4m, Q=48.0l/m, F
"	"	"	パークホテル	"	"	3. A. 4	Q=4.0l/m, F
"	"	"	学校共済川湯山荘	"	"	3. A. 5	D=17.6m, Q=110l/m, P
"	"	"	十条製紙源泉横	"	"	3. A. 6	D=20m, Q=70l/m, P
"	"	"	北電つじ荘	"	"	3. A. 7	D=0m, Q=40l/m, F
"	"	"	泉陽閣	"	"	3. A. 8	D=16.7m, Q=18.7l/m, F
"	"	"	御園ホテル	"	"	3. A. 9	D=7.6m, Q=100l/m, P
"	"	"	湯の閣ホテルA	"	"	3. A. 10	Q=70l/m, F
"	"	"	湯の閣ホテルB	"	"	3. A. 11	Q=72.5l/m, F
"	"	"	川湯観光ホテル	(1950. 5. 31)	9	3. A. 12	D=25m, Q=178l/m, F
"	"	"	第一ホテル	(1953. 12. 1)	"	衛研試第656号	D=13m, Q=60l/m, F
"	"	"			"	衛研試第195号	D=0m, Q=60l/m, F
"	"	"	川湯・東2条4番地先				
"	"	"	東1条4番地先				
"	"	"	第一ホテル橋下流				
"	"	"	東2条10番地先				
"	"	"	本通り46の1				
"	"	"	50				
"	"	"	52				
"	"	"	中通り9番地先				
"	"	"	仁伏通り2番地先				
"	"	"	屈斜路通り				
"	"	"	東1条西4番				
"	"	"	東2条8番地先				

No.	産	地	温	泉	名	源	泉	名	分	析	年	月	日	文	献	中	の	文	献	試	料	No.	備	考
ARC-37	北海道川上郡弟子屈町	川湯東1条17番地先	川	湯	太平洋成鉄I				(1953. 12. 2)	9	衛	研	試	第	196	号							D=0m, Q=50l/m, F	
"	"	" 東1条25番	"	"	橋屋旅館				(1956. 9. 29)	"	"	"	"	第	454	号							D=15m, Q=47.9l/m, F	
"	"	" 市街地公園予定地	"	"	札幌郵政局				(1953. 12. 2)	"	"	"	"	第	27	号							D=0m, Q=25l/m, F	
"	"	" 東2条10番地先	"	"	北洋相互銀行				(1970. 2. 19)	"	"	"	"	44	衛	研	委	第	2437	号			D=0m, Q=45l/m, F	
"	"	" 東1条35番地先	"	"	山形屋				(1953. 12. 2)	"	"	"	"	衛	研	試	第	190	号				D=0m, Q=50l/m, F	
"	"	" 東1条2丁目29番	"	"	北海道拓殖銀行				(1959. 8. 26)	"	"	"	"	第	598	号							D=0m, Q=30l/m, F	
"	"	" 本通り36	"	"	摩周荘				1960. 6. 2	"	"	"	"	第	651	号							D=28.5m, Q=12l/m, P	
"	"	" 本通り45番地先	"	"	福住				(1957. 6. 5)	"	"	"	"	第	503	号							D=9m, Q=9l/m, F	
"	"	" 東2条30番地先	"	"	高野1号泉				(1956. 8. 5)	"	"	"	"	第	434	号							D=0m, Q=25l/m, F	
"	"	" 東2条30番地先	"	"	高野2号泉				(" " ")	"	"	"	"	第	435	号							D=0m, Q=21l/m, F	
"	"	" 東2条30番地先	"	"	川湯ホテル				(1957. 6. 5)	"	"	"	"	第	484	号							D=0m, Q=200l/m, F	
"	"	" 本通り51	"	"	道民生部保険課				(1959. 3)	"	"	"	"	第	577	号							D=0m, Q=200l/m, F	
"	"	" 屈斜路通り	"	"	岩本松治				(1953. 12. 2)	"	"	"	"	第	200	号							D=0m, Q=15l/m, F	
"	"	" 中通り9番地先	"	"	泉陽館				(" " ")	"	"	"	"	第	198	号							D=0m, Q=50l/m, F	
"	"	" 西1条1番地先	"	"	岩崎1号泉				(1964. 12. 15)	"	"	"	"	39	年	325	号						D=0m, Q=42l/m, F	
"	"	" 西1条1番地先	"	"	岩崎2号泉				(" " ")	"	"	"	"	39	年	326	号						D=0m, Q=13l/m, F	
"	"	" 屈斜路通り32	"	"	野賀美旅館				(1959. 6. 12)	"	"	"	"	衛	研	試	第	590	号				D=0m, Q=29l/m, F	
"	"	" アトサヌプリ原野70線59番の8	"	"	寺尾3号泉				(1964. 12. 15)	"	"	"	"	40	年	225	号						D=0m, Q=110l/m, F	
"	"	" 70線59番の16	"	"	寺尾5号泉				(" " ")	"	"	"	"	40	年	226	号						D=0m, Q=170l/m, F	
"	"	" 70線59番の7	"	"	寺尾6号泉				(" " ")	"	"	"	"	40	年	227	号						D=0m, Q=850l/m, F	
"	"	" 川湯51	"	"	榎本節郎				(" " ")	"	"	"	"	39	年	3224	号						D=0m, Q=340l/m, F	
"	"	" 東2条10	"	"	麻生武平				(1965. 11. 16)	"	"	"	"	40	年	3355	号						D=0m, Q=22l/m, F	
"	"	" アトサヌプリ原野70線59番の20	"	"	小林秀美				(" " ")	"	"	"	"	40	年	3355	号						D=28m, Q=50l/m, F	
"	"	" 川湯番外地	"	"	榎本節郎				(1966. 11. 29)	"	"	"	"	41	衛	研	委	第	4043	号			D=30m, Q=120l/m, F	
"	"	" 東2条1丁目4の先	"	"	湖山荘				(1967. 9. 25)	"	"	"	"	42	"	第	3302	号					D=17.5m	
"	"	" 弟子屈原野	弟	子	屈	佐藤弘美			1978. 5	11	4. A. 1												D=1000m, Q=80l/m, P	
"	"	" 弟子屈	"	"	辻谷建設A泉				"	"	4. A. 2												Q=43.9l/m, F	
"	"	" 118の25	"	"	今井林業(株)				"	"	4. A. 3												D=200m, Q=16.6l/m, P	
"	"	" 95	"	"	小林觀光(株)				"	"	4. A. 4												D=120m, Q=27.0l/m, P	
"	"	" 120の73の1	"	"	子宝ホテル				"	"	4. A. 5												D=100m, Q=13l/m, P	
"	"	" 鑑別138の91	"	"	進藤栄吉				"	"	4. A. 6												D=100m, Q=21.0l/m, P	
"	"	" 138の63	"	"	辻谷守				"	"	4. A. 7												D=200m, Q=212l/m, P	
"	"	" 42の20の56	"	"	石川組ライラック荘				"	"	4. A. 8												D=800m, Q=50l/m, P	
"	"	" 151の2	"	"	高田由夫				"	"	4. A. 9												D=600m, Q=152l/m, P	
"	"	" 151の1	"	"	光風苑3号泉				"	"	4. A. 10												D=300m, Q=120l/m, P	
"	"	" 151の1	"	"	光風苑1号泉				"	"	4. A. 11												D=685m, Q=44.5l/m, P	
"	"	" 150の3	"	"	宮崎繁				"	"	4. A. 12												D=150m, Q=200l/m, P	

ARC-23と同一源泉

No.	産地	温泉水名	源泉名	源泉名	分析年月日	文献No.	文献中の試料No.	備考
ARC-74	北海道川上郡弟子屈町鑑別41の18の46	弟	右近初男	1978. 5	11	4. A. 13	D=400m, Q=78.5l/m, P	
-75	"	"	町有10号泉	"	"	4. A. 14	D=15m, Q=40.0l/m, P	
-76	"	"	町有泉(白雲閣裏)	1978. 4	"	4. A. 15	D=500m, Q=54.0l/m, F	
-77	"	"	町有4号泉	5	"	4. A. 16	D=30m, Q=30l/m, F	
-78	"	"	双岳荘	"	"	4. A. 17	D=3m, Q=4l/m, P	
-79	"	"	慶楽荘	"	"	4. A. 18	D=50m, Q=5l/m, P	
-80	"	"	国岡キク	"	"	4. A. 19	D=50m, Q=10.4l/m, P	
-81	"	"	側宮脇モーターズ	"	"	4. A. 20	D=50m, Q=5.0l/m, P	
-82	"	"	町有泉(役場裏)	"	"	4. A. 21	D=200m, Q=200l/m, F	
-83	"	"	菅野みつえ	"	"	4. A. 22	D=200m, Q=100l/m, P	
-84	"	"	山田トミ	"	"	4. A. 23	D=108m, Q=34.0l/m, P	
-85	"	"	平川一義	"	"	4. A. 24	D=400m, Q=10.9l/m, P	
-86	"	"	弟子屈木材工業㈱	"	"	4. A. 25	D=500m, Q=50l/m, P	
-87	"	"	農林協同工業㈱	"	"	4. A. 26	D=960m, Q=28.8l/m, P	
-88	"	"	農協日の出団地	"	"	4. A. 27	D=740m, Q=70l/m, P	
-89	"	鑑別169の18先	農協日の出団地	"	"	4. A. 28	D=50m, Q=66.1l/m, P	
-90	"	"	側路土木現業所	"	"	4. A. 29	D=106m, Q=9.1l/m, P	
-91	"	"	樺旅館	"	"	4. A. 30	D=300m, Q=178l/m, P	
-92	"	"	町有泉	"	"	4. A. 31	D=530m, Q=800l/m, F	
-93	"	"	青木初一(辻谷建設)	"	"	4. A. 32	D=400m, Q=100l/m, P	
-94	"	"	側協栄林産	"	"	4. A. 33	D=460m, Q=250l/m, F	
-95	"	"	鎌田孝一	"	"	4. A. 34	D=600m, Q=64.2l/m, P	
-96	"	"	安部良頭	"	"	4. A. 35	D=400m, Q=53.9l/m, P	
-97	"	"	橋本亀雄(泉荘)	"	"	4. A. 36	D=792m, Q=95.2l/m, P	
			森田政雄	"	3			

温泉水の()は、文献41では扇形階温泉水と一括されているものを文献11の分類にしたがって細分化して表示した。
分析年月日の()は、採水年月日を、備考欄の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31-2表 アトサスブリア地域水質一覽表

NU	ARC 1	ARC 2	ARC 3	ARC 4
TEMP	48.2	47.8	48.4	47.2
TSM	1439.000	548.000	1300.000	616.000
PH(FD)	9.10	6.90	8.80	7.80
PH(LR)	9.10	6.90	8.80	8.20
H (MG/KG)(MVAL/KG)				
K	23.800	10.000	0.256	11.700
NA	334.500	74.800	317.800	77.100
NH4	0.500	0.015	0.700	23.100
CA	TR.	22.900	0.200	24.800
Mg	0.140	0.005	0.050	0.150
FE	0.140	0.005	0.040	0.510
PN	0.024	0.002	0.012	0.002
Cu	0.0	0.0	TR.	0.0
PB	0.260	0.260	0.740	0.460
AL	2.260	0.251	0.029	0.082
CL	320.500	9.041	324.600	12.800
HR	-	-	-	-
I	-	-	-	-
F	3.910	0.510	10.450	0.340
UH	-	-	-	-
SU4	118.900	33.300	42.600	0.0
S2U3	-	-	-	-
HCU3	234.200	3.839	325.700	374.500
CU3	149.400	4.980	48.600	1.620
SIN2 (MG/KG)(MMUL/KG)	452.641	7.536	516.046	8.592
HRD2	47.200	1.077	50.100	1.143
H3PO4	-	-	-	-
HASU2	0.929	0.009	0.243	0.002
CU2	-	-	-	-
H2S	16.250	0.477	3.020	0.170
HN (RE-10 COPPER/L)	-	-	-	-
NA/K	25.901	12.720	20.165	11.206
CA/(HCU3+CU3)	0.002	0.234	0.005	0.188
HG/CA	-	1.765	0.471	1.770
HA/CA	971.094	3.047	395.771	2.910
CL/(HCU3+CU3)	1.025	0.312	1.316	0.059
CL/F	43.926	52.960	16.646	20.175
CL3I00/(CL+S04+HCU3+CU3)	44.462	21.501	53.858	5.556
SU4*100/(CL+SU4+HCU3+CU3)	12.174	10.387	5.217	0.0
(HCU3+CU3)*100/(CL+SU4+HCU3+CU3)	43.564	68.512	40.925	94.444
(NA+K)*100/(NA+K+CA+MG)	-	54.312	99.647	53.357
CA*100/(NA+K+CA+MG)	-	16.525	0.240	16.856
Mg*100/(NA+K+CA+MG)	-	29.162	0.113	29.807
(CL+S04)*100/(CL+S04+HCU3+CU3)	56.656	31.688	59.075	5.556
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	43.564	68.512	40.925	94.444
(NA+K)*100/(NA+K+CA+MG)	-	54.312	99.647	53.357
(CA+MG)*100/(NA+K+CA+MG)	-	45.688	0.353	46.643

第31-2表 アトサスプリア地域水質一覽表 (つづき)

	ARC 5	ARC 6	ARC 7	ARC 8
NU	50.9	44.1	44.3	53.3
TEMP	827.000	1055.000	977.000	1112.000
TSH	7.70	6.70	6.70	7.90
PH(FD)	8.50	8.30	8.10	8.20
PH(LB)				
H (MG/KG) (WAL/KG)				
K	9.600	0.251	12.700	0.325
NA	245.500	10.679	245.200	10.666
NH4				
CA	3.300	0.165	32.000	1.597
MG	2.800	0.181	22.000	1.810
FE	0.140	0.005	0.920	0.033
MN	0.050	0.002	0.130	0.003
ZN	0.010	0.000	0.000	0.025
CU	0.0	0.001	TR.	0.001
PB				
AL	0.410	0.046	0.320	0.036
CL	161.800	4.564	48.300	1.363
BK				
I	3.000	0.158	0.870	0.046
OH				
S04	5.000	0.104	174.100	3.625
S2O3				
HC03	425.800	6.979	550.200	9.018
C03				
SI02 (MG/KG) (MMOL/KG)	170.315	2.836	172.516	2.872
H802	23.800	0.543	15.600	0.356
H3P04				
HAS02	0.004	0.000	0.073	0.001
C02	18.000	0.409	150.900	3.428
H2S	0.0	0.0	0.0	0.0
HN (RE-10 CURIE/L)				
NA/K	42.600	29.536	32.833	27.734
CA/(HC03+C03)	0.193	0.193	0.177	0.153
MG/CA	1.099	0.938	1.134	1.073
NA/CA	64.892	5.871	6.880	7.487
CL/(HC03+C03)	0.654	0.175	0.151	0.154
CL/F	28.903	35.785	28.444	38.343
CL*100/(CL+S04+HC03+C03)	59.188	11.183	9.729	10.366
S04*100/(CL+S04+HC03+C03)	0.894	25.050	25.862	22.560
(HC03+C03)*100/(CL+S04+HC03+C03)	59.918	63.767	64.389	67.114
(NA+K)*100/(NA+K+CA+MG)	96.934	75.797	76.336	78.909
CA*100/(NA+K+CA+MG)	1.460	12.488	11.098	10.172
MG*100/(NA+K+CA+MG)	1.606	11.715	12.574	10.919
(CL+S04)*100/(CL+S04+HC03+C03)	40.082	36.233	35.611	32.886
(HC03+C03)*100/(CL+S04+HC03+C03)	59.918	63.767	64.389	67.114
(NA+K)*100/(NA+K+CA+MG)	96.934	75.797	76.336	78.909
(CA+MG)*100/(NA+K+CA+MG)	3.066	24.203	23.664	21.091

第31-2表 アトサスブリ地域水質一覧表 (つづき)

NO	ARC 9		ARC-10		ARC-11		ARC 12	
	TEMP	53.8	55.3	71.2	43.8	43.8	546,000	7.60
TSM	1098,000	1050,000	1208,000	6.70	8.20	8.30		
PH(ED)	7.80	6.70	6.70					
PH(LB)	8.30	8.40	8.20					
H (MG/KG)(MVAL/KG)								
K	18,000	0.460	12,700	0.325	17,500	0.448	4,200	0.107
NA	286,500	12,454	292,000	12,702	300,800	13,085	136,900	5,955
NHA								
CA	32,600	1,627	26,200	1,208	21,600	1,078	10,300	0.514
MG	21,000	1,728	18,100	1,489	22,700	1,868	3,900	0.321
FE	0.070	0.003	0.070	0.003	0.390	0.014	0.030	0.001
MN	0.010	0.000	0.060	0.002	0.070	0.003	0.0	-
ZN	0.053	0.002	0.010	0.000	0.008	0.000	0.007	0.000
CU	0.001	0.000	0.002	0.000	0.0	-	0.001	0.000
PB								
AL	0.220	0.024	0.180	0.020	0.290	0.032	0.260	0.029
CL	61,700	1,741	63,900	1,803	80,700	2,277	58,200	1,642
BR								
F	0.898	0.047	1.160	0.061	1.370	0.072	2.800	0.147
OH								
SO4	144,400	3,006	101,100	2,105	119,000	2,478	88,900	1,851
S2O3								
HCO3	702,700	11,517	714,900	11,717	762,500	12,497	215,900	3,539
CO3								
SI02 (MG/KG)(MMQL/KG)	210,319	3,502	128,611	2,075	239,922	3,995	141,613	2,358
H802	16,000	0.365	25,500	0.582	14,600	0.333	12,300	0.281
H3PO4								
HAS02	0.092	0.001	0.023	0.000	0.017	0.000	0.024	0.000
CO2	20,700	0.570	83,800	1,904	35,200	0.800	10,100	0.229
H2S			0.0	-	0.0	-	0.0	-
RN (RE-10 CURIE/L)								
NA/K	27,048	39,099	29,230	55,430				
CA/(HCO3+CU3)	0.141	0.103	0.086	0.145				
MG/CA	1.062	1.255	1.735	0.624				
NA/CA	7,656	10,519	12,140	11,587				
CL/(HCO3+CU3)	0.151	0.154	0.182	0.464				
CL/F	37,152	29,521	31,568	11,139				
CL*100/(CL+SO4+HCU3+CU3)	10,702	11,557	13,196	23,350				
SO4*100/(CL+SO4+HCO3+CO3)	18,485	13,472	14,362	26,324				
(HCO3+CO3)*100/(CL+SO4+HCU3+CU3)	70,183	74,991	72,442	50,326				
(NA+K)*100/(NA+K+CA+MG)	79,379	82,848	82,123	87,896				
CA*100/(NA+K+CA+MG)	9,999	7,680	6,541	7,452				
MG*100/(NA+K+CA+MG)	10,622	9,473	11,336	4,653				
(CL+SO4)*100/(CL+SO4+HCU3+CU3)	29,187	25,009	27,558	49,674				
(HCO3+CO3)*100/(CL+SO4+HCU3+CU3)	70,183	74,991	72,442	50,326				
(NA+K)*100/(NA+K+CA+MG)	79,379	82,848	82,123	87,896				
(CA+MG)*100/(NA+K+CA+MG)	20,621	17,152	17,877	12,104				

第31-2表 アトサヌプリ地域水質一覧表 (つづき)

NO	ARC 13			ARC 14			ARC 15			ARC 16		
	TEMP	PH	PH(LB)	TEMP	PH	PH(LB)	TEMP	PH	PH(LB)	TEMP	PH	PH(LB)
H ₁ (MG/KG)(MYAL/KG)	26,600	0.680	6,200	0.159	7,300	0.187	7,200	0.184	7,200	0.184	7,200	0.184
KA	145,400	6,525	162,800	7,082	175,200	7,621	186,000	8,091	186,000	8,091	186,000	8,091
BH4	25,300	1,262	7,200	0.359	7,400	0.369	7,400	0.369	7,400	0.369	7,400	0.369
CA	8,300	0.563	4,100	0.337	3,700	0.304	3,800	0.313	3,800	0.313	3,800	0.313
FE	0,750	0.027	0,050	0.002	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
MN	0,930	0.034	0,030	0.001	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
ZN	0,015	0.000	0,001	0.000	0,001	0,000	0,043	0,001	0,043	0,001	0,043	0,001
CU	0,001	0.000	0,001	0.000	0,001	0,000	0,002	0,000	0,002	0,000	0,002	0,000
PB	0,000	0.000	0,000	0.000	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	0,000	0,000	0,000	0,000
CL	110,700	3,123	93,200	2,629	104,300	2,942	103,200	2,911	103,200	2,911	103,200	2,911
BR	0	0	0	0	0	0	0	0	0	0	0	0
F	6,210	0.327	4,800	0.253	6,990	0.368	7,010	0.369	7,010	0.369	7,010	0.369
SO4	127,800	2,661	74,500	1,551	30,200	0,629	30,500	0,635	30,500	0,635	30,500	0,635
SO3	176,900	2,899	233,000	3,819	318,400	5,219	313,500	5,138	313,500	5,138	313,500	5,138
CO3	0	0	0	0	0	0	0	0	0	0	0	0
SI02 (MG/KG)(MMOL/KG)	148,413	2,671	131,112	2,183	164,915	2,746	165,715	2,759	165,715	2,759	165,715	2,759
HPO4	21,400	0,488	14,400	0,329	15,200	0,347	16,400	0,374	16,400	0,374	16,400	0,374
HAS02	0,182	0,002	0,120	0,001	0,238	0,002	0,269	0,002	0,269	0,002	0,269	0,002
CU2	25,900	0,588	26,400	0,600	13,200	0,300	10,100	0,229	10,100	0,229	10,100	0,229
H2S	0,0	0	0	0	0,060	0,002	0,0	0,002	0,0	0,002	0,0	0,002
HN (#E-10 CURIE/L)	0	0	0	0	0	0	0	0	0	0	0	0
NA/K	9,295	44,653	44,653	40,813	43,951	43,951	43,951	43,951	43,951	43,951	43,951	43,951
CA/(HCO3+CO3)	0,455	0,094	0,094	0,071	0,072	0,072	0,072	0,072	0,072	0,072	0,072	0,072
Mg/CA	0,541	0,939	0,939	0,825	0,847	0,847	0,847	0,847	0,847	0,847	0,847	0,847
NA/CA	5,010	19,711	19,711	20,639	21,911	21,911	21,911	21,911	21,911	21,911	21,911	21,911
CL/(HCO3+CO3)	1,077	0,688	0,688	0,564	0,567	0,567	0,567	0,567	0,567	0,567	0,567	0,567
CL/F	9,553	10,405	10,405	7,996	7,889	7,889	7,889	7,889	7,889	7,889	7,889	7,889
CL#100/(CL+SO4+HCO3+CO3)	55,965	32,868	32,868	33,475	33,522	33,522	33,522	33,522	33,522	33,522	33,522	33,522
SO4#100/(CL+SO4+HCO3+CO3)	50,644	19,391	19,391	7,153	7,512	7,512	7,512	7,512	7,512	7,512	7,512	7,512
(HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	53,391	47,741	47,741	59,372	59,166	59,166	59,166	59,166	59,166	59,166	59,166	59,166
(NA+K)#100/(NA+K+CA+MG)	78,265	91,223	91,223	92,057	92,386	92,386	92,386	92,386	92,386	92,386	92,386	92,386
CA#100/(NA+K+CA+MG)	14,105	4,527	4,527	4,354	4,123	4,123	4,123	4,123	4,123	4,123	4,123	4,123
Mg#100/(NA+K+CA+MG)	7,631	4,251	4,251	3,590	3,491	3,491	3,491	3,491	3,491	3,491	3,491	3,491
(CL+SO4)#100/(CL+SO4+HCO3+CO3)	66,609	52,259	52,259	40,628	40,834	40,834	40,834	40,834	40,834	40,834	40,834	40,834
(HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	53,391	47,741	47,741	59,372	59,166	59,166	59,166	59,166	59,166	59,166	59,166	59,166
(NA+K)#100/(NA+K+CA+MG)	78,265	91,223	91,223	92,057	92,386	92,386	92,386	92,386	92,386	92,386	92,386	92,386
(CA+MG)#100/(NA+K+CA+MG)	21,755	8,777	8,777	7,943	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614

第31-2表 アトスブリア地域水質一覧表 (つづき)

	ARC 17	ARC 18	ARC 19	ARC 20
NO	46.0	44.0	45.0	35.0
TEMP	580.500	667.500	629.500	656.500
PH(FD)	7.40	7.40	7.40	7.50
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	10.000	0.256	3.500	0.090
NA	202.000	8.787	214.700	9.339
NH4				
CA	6.000	0.299	10.300	0.514
MG	3.800	0.313	4.100	0.337
FE	0.070	0.003	0.096	0.003
MN				
ZN	0.0	0.0	0.0	0.0
CU	0.075	0.002	0.007	0.000
PB				
AL	2.500	0.278	0.180	0.020
CL	105.100	2.865	105.400	2.973
HR				
I				
F	5.340	0.281	5.640	0.297
OH				
SU4	65.800	1.370	74.400	1.549
HCU3				
CD3	327.000	5.360	355.500	5.499
SI02 (MG/KG) (MMUL/KG)				
H802	58.851	0.980	90.008	1.499
H3204	15.600	0.356	13.500	0.308
H4S02	0.439	0.004	0.490	0.005
C02	0.139	0.001	0.139	0.001
H25	22.900	0.500	26.600	0.604
	1.870	0.055	0.850	0.025
RN (RE-10 CURIE/L)				
NA/K	54.351	104.316	83.922	58.159
CA/(HCU3+CU3)	0.056	0.093	0.127	0.093
MG/CA	1.044	0.656	0.395	0.330
NA/CA	29.349	18.171	14.708	14.907
CL/(HCU3+CU3)	0.553	0.541	0.581	0.409
CL/F	10.547	10.015	5.522	10.773
CL*100/(CL+S04+HCU3+CU3)				
SU4*100/(CL+S04+HCU3+CU3)	50.585	29.670	29.594	25.847
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	14.131	15.457	19.514	11.005
(NA+K)*100/(NA+K+CA+MG)	55.285	54.872	50.892	63.148
CA*100/(NA+K+CA+MG)	95.660	91.719	91.432	91.937
MGR*100/(NA+K+CA+MG)	3.101	5.000	6.143	6.063
(CL+S04)*100/(CL+S04+HCU3+CU3)	3.239	3.282	2.425	2.000
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	44.715	45.128	49.108	36.852
(NA+K)*100/(NA+K+CA+MG)	55.285	54.872	50.892	63.148
(CA+MG)*100/(NA+K+CA+MG)	95.660	91.719	91.432	91.937
	6.340	8.281	8.568	8.063

第31-2表 アトサマブリ地域水質一覧表 (つづき)

NO	ARC 25		ARC 26		ARC 27		ARC 28	
	TEMP	48.17	51.12	52.14	59.12	59.12	59.12	59.12
TSM	4165.000	4608.000	4147.000	4147.000	5065.000	5065.000	5065.000	5065.000
PH(CFD)	1.64	1.63	1.68	1.68	1.60	1.60	1.60	1.60
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	48.800	1.248	57.800	1.479	50.300	1.287	60.800	1.555
NA	329.500	14.533	376.800	16.591	343.700	14.951	391.000	17.009
NH4								
CA	117.000	5.858	136.400	6.806	125.900	6.282	143.400	7.156
MG	49.800	4.098	56.700	4.666	49.500	4.073	62.800	5.168
FE	77.730	2.784	86.000	3.080	48.600	1.740	95.600	3.423
MN	6.530	0.230	7.260	0.264	6.280	0.229	8.200	0.226
ZN	0.650	0.020	0.750	0.022	0.848	0.020	0.790	0.024
CU	0.010	0.000	0.010	0.000	0.074	0.002	0.0	-
PB								
AL	108.540	12.069	116.580	12.963	118.720	13.200	136.680	15.197
CL	959.200	27.059	1080.000	50.467	937.900	26.458	1189.000	53.542
BR								
I								
F	12.850	0.582	15.700	0.826	13.250	0.697	15.500	0.816
OH								
SO4	2875.000	59.857	3174.000	66.083	2854.000	59.420	3447.000	71.767
S2O3								
HCO3								
CO3	0.0	-	-	-	-	-	-	-
CO3	0.0	-	-	-	-	-	-	-
S102 (MG/KG)(MMOL/KG)	99.109	1.650	116.710	1.943	151.914	2.529	223.620	3.723
H802	41.200	0.940	49.800	1.136	36.100	0.824	48.900	1.116
H304								
H402	0.258	0.002	0.206	0.002	0.416	0.004	0.468	0.004
CO2	1319.000	29.968	1299.000	29.513	1400.000	31.808	1697.000	58.556
H2S	8.190	0.240						
RN (RE-10 CURIE/L)								
NA/K	11.482		11.086		11.620		10.936	
CA/(HCO3+CO3)	0.0		0.686		0.648		0.722	
MG/CA	0.702		2.408		2.380		2.577	
NA/CA	2.455							
CL/(HCO3+CO3)	0.0		36.865		37.934		41.109	
CL/F	39.694							
CL#100/(CL+SO4+HCO3+CO3)	51.152							
SO4#100/(CL+SU+HCO3+CO3)	68.868							
(HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	0.0							
(NA+K)#100/(NA+K+CA+MG)	61.061		60.901		61.059		60.102	
CA#100/(NA+K+CA+MG)	22.579		23.197		23.624		23.167	
MG#100/(NA+K+CA+MG)	16.059		15.902		15.517		16.731	
(CL+SO4)#100/(CL+SO4+HCO3+CO3)	100.000							
(HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	0.0							
(NA+K)#100/(NA+K+CA+MG)	61.061		60.901		61.059		60.102	
(CA+MG)#100/(NA+K+CA+MG)	38.939		39.099		38.941		39.898	

第31-2表 アトサマブリア地域水質一覽表 (つづき)

NO	ARC 29		ARC 30		ARC 31		ARC 32	
	TEMP	TSM	TEMP	TSM	TEMP	TSM	TEMP	TSM
H (MG/KG) (MVAL/KG)	58.100	1.686	59.400	1.519	62.300	1.594	62.700	1.604
K	383.500	16.674	381.700	16.604	385.100	16.752	389.700	16.952
NA	147.800	7.375	147.300	7.350	150.300	7.500	159.300	7.949
CA	64.600	5.316	63.100	5.192	62.500	5.143	65.500	5.390
MG	86.270	3.089	87.870	3.147	87.600	3.137	92.470	3.311
FE	7.220	0.243	4.520	0.165	7.960	0.280	8.050	0.293
MN	0.750	0.023	0.798	0.024	0.722	0.022	0.790	0.024
ZN	0.022	0.001	0.0	0.000	0.016	0.001	0.020	0.001
PB	128.910	14.334	140.700	15.644	133.200	14.811	137.750	15.316
AL	1150.000	32.441	1101.000	31.059	1229.000	34.670	1239.000	34.952
BR	14.900	0.784	15.050	0.792	16.800	0.884	15.950	0.840
P	3382.000	70.413	3310.000	66.914	3404.000	70.871	3547.000	73.849
SO4								
NO3								
CO3								
SI02 (MG/KG) (MMOL/KG)	160.714	2.676	213.619	3.557	212.719	3.542	224.820	3.743
H802	46.800	1.068	48.000	1.095	45.500	1.038	55.800	1.273
H3P04	0.359	0.003	0.594	0.006	0.376	0.003	0.487	0.005
MA502	1681.000	38.192	1677.000	38.101	1508.000	34.262	1754.000	39.851
CO2								
H2S								
RN (#E-10 CURIE/L)								
NA/K	11.219		10.928		10.512		10.569	
CA/(HCO3+CO3)	0.721		0.706		0.686		0.678	
NA/CA	2.261		2.259		2.234		2.133	
CL/(HCO3+CO3)	61.362		39.205		39.204		41.629	
CL/K								
CL*100/(CL+SO4+HCO3+CO3)								
SO4*100/(CL+SO4+HCO3+CO3)								
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)								
(NA+K)*100/(NA+K+CA+MG)	58.863		59.099		59.201		58.178	
CA*100/(NA+K+CA+MG)	23.906		23.969		24.202		24.923	
MG*100/(NA+K+CA+MG)	17.231		16.932		16.597		16.899	
(CL+SO4)*100/(CL+SO4+HCO3+CO3)								
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)								
(NA+K)*100/(NA+K+CA+MG)	58.863		59.099		59.201		58.178	
(CA+MG)*100/(NA+K+CA+MG)	41.137		40.901		40.799		41.822	

第31-2表 アトサスプリア地域水質一覽表 (つづき)

NU	ARC 33	ARC 34	ARC 35	ARC 36
ITEM	51.0	43.3	48.0	58.6
TSM	4372.000	3092.000	5305.000	6606.000
PH(FD)	1.65	1.79	1.80	1.40
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	55.000	1.407	15.900	34.900
NA	374.000	16.269	66.000	17.000
NH4	-	224.200	546.900	434.160
CA	133.400	6.657	0.198	-
MG	51.000	4.197	160.400	214.760
FE	76.530	2.741	13.860	31.200
MN	7.080	0.234	180.800	148.470
ZN	0.690	0.021	0.173	0.314
CU	0.012	0.000	8.640	3.120
Pb	-	0.006	0.920	-
AL	132.120	14.690	0.090	0.003
CL	991.000	27.956	249.400	143.230
BR	-	672.500	1356.000	1391.600
I	-	-	-	-
F	17.700	0.932	12.160	0.640
OH	-	-	-	-
SU4	5007.000	62.606	2875.430	59.866
S2U3	-	-	-	4037.878
HCU3	-	-	-	-
CU3	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	185.417	3.091	205.480	3.421
HU02	35.700	0.803	71.600	1.634
H4U4	-	-	0.283	0.003
HAS02	0.470	0.004	2.134	0.020
CO2	1328.000	50.172	952.900	-
H2S	-	-	4.410	5.900
RN (RE-10 CURIE/L)	-	-	-	-
NA/K	11.564	10.007	14.091	43.430
CA/(HCU3+CU3)	0.650	0.44	0.142	0.240
MG/CA	2.444	2.154	2.972	1.762
NA/CA	-	-	-	-
CL/(HCU3+CU3)	-	-	-	-
CL/F	30.005	28.490	59.760	-
CL*100/(CL+SU4+HCU3+CU3)	-	-	-	-
SU4*100/(CL+SU4+HCU3+CU3)	-	-	-	-
(HCU3+CU3)*100/(CL+SU4+HCU3+CU3)	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	61.957	61.518	73.588	52.258
CA*100/(NA+K+CA+MG)	23.343	26.212	23.118	32.868
MG*100/(NA+K+CA+MG)	14.710	12.270	3.294	7.874
(CL+SU4)*100/(CL+SU4+HCU3+CU3)	-	-	-	-
(HCU3+CU3)*100/(CL+SU4+HCU3+CU3)	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	61.957	61.518	73.588	59.258
(CA+MG)*100/(NA+K+CA+MG)	38.043	38.482	26.412	40.742

第31-2表 アトサヌプリ地域水質一覽表(つづき)

	ARC 37	ARC 38	ARC 39	ARC 40
NO	61.8	59.5	53.0	54.0
TENP	6370.500	5835.000	5249.801	5633.000
TSM	1.40	1.52	1.50	1.40
PH(ED)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	30.700	25.200	35.001	28.900
K	8.200	10.700	62.400	36.000
NA	448.600	391.400	152.800	370.000
NH4	-	-	-	-
CA	197.970	239.400	170.000	207.000
Mg	8.500	80.900	6.657	48.800
FE	131.360	4.704	4.598	4.082
MN	1.870	-	-	6.580
Zn	-	-	-	0.240
CU	-	-	-	0.140
PB	-	-	-	0.0
AL	190.570	246.500	130.100	216.000
CL	1271.600	1833.300	51.717	1260.000
RR	-	-	-	-
I	-	-	-	-
F	-	-	-	14.200
OH	-	-	-	-
S04	3904.615	3290.562	68.510	73.237
S2O3	-	-	-	3237.556
HCO3	-	-	-	-
CO3	-	-	-	-
S102 (MG/KG)(MMOL/KG)	243.968	137.782	2.294	173.862
H802	32.870	44.300	1.011	206.000
H3PO4	-	-	-	0.077
HASO2	-	-	-	0.325
CU2	-	-	-	3920.000
H2S	5.410	-	-	9.350
HN (#E-10 CURIE/L)	-	-	-	-
NA/K	93.052	62.205	4.164	17.478
CA/(HCO3+CU3)	-	-	-	-
Mg/CA	0.070	0.557	-	0.389
NA/CA	1.975	1.425	0.784	1.558
CL/(HCO3+CU3)	-	-	-	-
CL/F	-	-	-	47.552
CL*100/(CL+S04+HCO3+CU3)	-	-	-	-
S04*100/(CL+S04+HCO3+CU3)	-	-	-	-
(HCO3+CU3)*100/(CL+S04+HCO3+CU3)	-	-	-	-
(NA*K)*100/(NA+K+CA+MG)	65.109	48.184	-	54.258
CA*100/(NA+K+CA+MG)	32.610	33.273	-	32.937
Mg*100/(NA+K+CA+MG)	2.262	18.542	-	12.605
(CL+S04)*100/(CL+S04+HCO3+CU3)	-	-	-	-
(HCO3+CU3)*100/(CL+S04+HCO3+CU3)	-	-	-	-
(NA*K)*100/(NA+K+CA+MG)	65.109	48.184	-	54.258
(CA+MG)*100/(NA+K+CA+MG)	54.891	51.816	-	45.742

第31-2表 アトサスブリア地域水質一覧表 (つづき)

NO	ARC 41		ARC 42		ARC 43		ARC 44	
	TEMP	6299.500	61.0	61.0	58.0	58.0	52.0	52.0
TSM	6299.500	61.0	61.0	58.0	58.0	52.0	52.0	52.0
PH(FU)	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
PH(LR)	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
H (MG/KG)(HVAL/KG)	32.000	31.747	52.200	31.945	6.360	6.310	15.900	15.774
K	4.100	0.105	67.500	1.727	19.000	0.486	25.100	0.642
NA	478.700	20.823	445.000	19.357	155.000	6.742	919.700	40.007
NA4	-	-	-	-	-	-	-	-
CA	176.100	8.787	273.700	13.658	10.700	0.534	218.600	10.908
MG	6.000	0.543	37.800	3.111	14.700	1.210	11.100	0.913
FE	160.700	5.755	128.800	4.612	50.000	1.790	146.000	5.228
MN	0.340	0.012	9.880	0.340	3.900	0.142	9.360	0.363
ZN	-	-	-	-	1.280	0.039	-	-
CU	-	-	-	-	0.450	0.014	-	-
PB	-	-	-	-	0.180	0.002	-	-
AL	155.600	17.301	224.000	24.907	124.000	13.788	118.200	13.143
CL	1400.100	39.497	1425.000	40.199	495.200	13.970	1203.400	33.948
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	14.700	0.774	2.560	0.135	11.100	0.584
DH	-	-	-	-	-	-	-	-
SU4	3725.165	77.558	4366.715	90.707	929.903	19.361	3278.351	68.255
SZ03	-	-	-	-	-	-	-	-
CD3	-	-	-	-	-	-	-	-
ST02 (MG/KG)(MMOL/KG)	176.949	2.946	155.783	2.594	112.933	1.880	198.479	3.305
H02	35.000	0.799	59.100	1.349	26.800	0.612	54.700	1.248
H3P04	-	-	0.112	0.001	-	-	-	-
HAS02	-	-	1.000	0.009	0.683	0.006	0.682	0.006
CD2	-	-	-	-	-	-	-	-
H25	5.350	0.157	7.300	0.214	2.040	0.060	3.450	0.101
RN (RE-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	198.549	11.211	13.873	62.310	-	-	-	-
CA/(HC03+CU3)	0.062	0.228	2.266	0.084	-	-	-	-
MG/CA	2.370	1.417	12.628	3.668	-	-	-	-
NA/CA	-	-	-	-	-	-	-	-
CL/(HC03+CU3)	-	-	-	-	-	-	-	-
CL/F	-	51.950	103.664	58.100	-	-	-	-
CL#100/(CL+S04+HC03+CU3)	-	-	-	-	-	-	-	-
S04#100/(CL+S04+HC03+CU3)	-	-	-	-	-	-	-	-
(HC03+CU3)#100/(CL+S04+HC03+CU3)	-	-	-	-	-	-	-	-
(NA+K)#100/(NA+K+CA+MG)	69.164	55.701	80.567	77.470	-	-	-	-
CA#100/(NA+K+CA+MG)	29.041	36.081	5.951	20.749	-	-	-	-
MG#100/(NA+K+CA+MG)	1.795	8.218	13.482	1.741	-	-	-	-
(CL+S04)#100/(CL+S04+HC03+CU3)	-	-	-	-	-	-	-	-
(HC03+CU3)#100/(CL+S04+HC03+CU3)	-	-	-	-	-	-	-	-
(NA+K)#100/(NA+K+CA+MG)	69.164	55.701	80.567	77.470	-	-	-	-
(CA+MG)#100/(NA+K+CA+MG)	30.836	44.299	19.433	22.530	-	-	-	-

第31-2表 アトサスプリア地域水質一覧表 (つづき)

NO	ARC 45		ARC 46		ARC 47		ARC 48	
	TEMP	PH(FD)	TEMP	PH(FD)	TEMP	PH(FD)	TEMP	PH(FD)
	59.0	6.330	60.0	6.179	56.0	62.0	62.0	69.120
	1.54	1.50	1.50	1.60	1.60	1.50	1.50	1.50
H (MG/KG)(MVAL/KG)	29.000	28.771	31.800	31.548	25.300	25.100	31.800	31.548
K	6.400	0.164	6.800	0.174	41.400	1.039	70.000	1.791
NA	472.300	20.545	489.400	21.289	245.200	10.666	450.000	19.575
NA	244.400	12.196	243.700	12.161	248.000	12.375	232.600	11.607
MG	74.800	6.164	48.100	3.958	55.800	4.592	68.000	5.596
FE	119.500	4.279	120.000	4.297	130.000	4.655	168.000	6.016
MN	4.950	0.180	5.150	0.187	0.830	0.030	10.130	0.369
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	187.600	20.839	152.800	16.990	179.800	19.992	185.100	20.581
CL	1558.900	43.977	1544.300	45.565	1201.000	33.880	1554.300	43.847
RR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	10.700	0.563	13.000	0.684
UM	-	-	-	-	-	-	-	-
SO4	3744.727	77.965	3779.200	78.683	3320.761	69.138	4043.700	84.190
SZ03	-	-	-	-	-	-	-	-
HC03	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-
S102	172.523	2.869	199.633	3.324	157.706	2.626	224.405	3.736
H002	49.600	1.132	41.600	0.949	44.300	1.011	58.300	1.330
H3004	5.426	0.055	4.426	0.045	-	-	0.242	0.002
HAS02	5.183	0.048	-	-	1.451	0.013	1.641	0.015
CO2	-	-	-	-	-	-	-	-
H2S	-	-	-	-	4.300	0.126	2.550	0.075
RN (RE-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	125.495	122.389	10.072	10.932	-	-	-	-
CA/(HC03+CO3)	0.505	0.325	0.371	0.482	-	-	-	-
MG/CA	1.685	1.751	0.862	1.687	-	-	-	-
NA/CA	-	-	-	-	-	-	-	-
CL/(HC03+CO3)	-	-	60.151	64.074	-	-	-	-
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)	53.007	57.110	40.866	55.397	-	-	-	-
CA*100/(NA+K+CA+MG)	31.216	32.356	43.131	30.094	-	-	-	-
MG*100/(NA+K+CA+MG)	15.776	10.532	16.004	14.509	-	-	-	-
(CL+SO4)*100/(CL+SO4+HC03+CO3)	-	-	-	-	-	-	-	-
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	-	-	-	-	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	53.007	57.110	40.866	55.397	-	-	-	-
(CA+MG)*100/(NA+K+CA+MG)	46.993	42.890	59.134	44.603	-	-	-	-

第31-2表 アトサヌプリ地域水質一覧表 (つづき)

NU	ARC 49		ARC 50		ARC 51		ARC 52	
	TEMP	65.0	63.0	62.0	62.0	43.0	5224.500	1.20
TSM	6610.000	6522.000	6522.000	6026.500	6026.500	5224.500	5224.500	1.20
PH(ED)	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
PH(LB)	-	-	-	-	-	-	-	-
H. (MG/KG) (MVAL/KG)	33.400	33.136	36.200	35.914	50.500	50.101	41.200	40.874
K	6.200	0.159	3.200	0.082	77.000	1.970	66.000	1.688
NA	298.200	12.972	347.700	15.125	350.000	15.225	335.000	14.572
NH4	-	-	-	-	-	-	-	-
CA	226.900	11.322	234.400	11.697	299.400	14.940	323.000	16.118
Mg	16.900	1.591	14.600	1.201	15.200	1.251	23.800	1.959
FE	187.200	6.704	118.200	4.233	195.000	5.551	152.000	5.443
MN	0.160	0.006	0.670	0.024	9.100	0.331	5.000	0.182
ZN	-	-	-	-	1.360	0.042	1.250	0.038
CU	-	-	-	-	1.130	0.036	0.510	0.016
PB	-	-	-	-	0.300	0.003	0.350	0.003
AL	173.200	19.258	185.600	20.637	213.900	24.006	223.600	24.862
CL	1159.600	32.712	1493.800	42.140	1757.000	49.565	1476.000	41.638
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
OH	-	-	-	-	21.200	1.116	19.800	1.042
S04	4104.109	85.448	3979.867	82.861	4324.801	90.042	3905.613	81.315
S203	-	-	-	-	-	-	-	-
HC03	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-
S102 (MG/KG) (MMUL/KG)	177.324	2.952	179.478	2.988	187.325	3.119	193.679	3.221
H802	46.000	1.050	55.000	0.799	58.600	1.342	85.900	1.960
H3P04	0.051	0.001	0.101	0.001	0.388	0.004	0.235	0.002
HAS02	-	-	-	-	0.0	-	1.411	0.013
CO2	-	-	-	-	5800.000	131.776	5200.000	118.144
H2S	2.840	0.063	4.200	0.123	3.460	0.102	1.870	0.055
RN (#E-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	81.791	184.775	184.775	7.730	7.730	8.632	8.632	8.632
CA/(LHC03+CO3)	0.123	0.103	0.103	0.084	0.084	0.122	0.122	0.122
Mg/CA	1.146	1.293	1.293	1.019	1.019	0.904	0.904	0.904
CL/(HC03+CO3)	-	-	-	-	-	-	-	-
CL/F	-	-	-	44.414	44.414	39.949	39.949	39.949
CL*100/(CL+S04+HC03+CO3)	-	-	-	-	-	-	-	-
S04*100/(CL+S04+HC03+CO3)	-	-	-	-	-	-	-	-
(LHC03+CO3)*100/(CL+S04+HC03+CO3)	-	-	-	-	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	50.807	54.108	54.108	51.503	51.503	47.356	47.356	47.356
CA*100/(NA+K+CA+MG)	43.811	41.818	41.818	44.750	44.750	46.940	46.940	46.940
Mg*100/(NA+K+CA+MG)	5.381	4.275	4.275	3.747	3.747	5.704	5.704	5.704
(LCL+S04)*100/(LCL+S04+HC03+CO3)	-	-	-	-	-	-	-	-
(LHC03+CO3)*100/(LCL+S04+HC03+CO3)	-	-	-	-	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	50.807	54.108	54.108	51.503	51.503	47.356	47.356	47.356
(CA+MG)*100/(NA+K+CA+MG)	49.193	45.893	45.893	46.497	46.497	52.644	52.644	52.644

第31-2表 アトサスプリア地域水質一覽表 (つづき)

NO	ARC 53		ARC 54		ARC 55		ARC 56																																		
	TEMP	PH(CD)	PH(LB)	H (MG/KG)(MVAL/KG)	K	NA	CA	MG	FE	MN	ZN	PB	AL	CL	BR	P	SO4	S2O3	HCO3	CO3	SI02 (MG/KG)(MMOL/KG)	HPO4	AS02	CO2	H2S	RN (#E-10 CURIE/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)
	52.0	6027.000	1.50	31.945	79.500	500.000	227.200	10.400	153.000	9.700	-	-	284.000	1512.000	-	17.400	6303.715	-	-	-	164.630	45.400	1.260	-	4.300	-	10.695	0.075	1.918	46.568	-	-	-	66.108	31.513	2.379	-	-	66.108	33.892	
	46.0	4862.000	1.40	35.715	55.000	215.000	174.000	10.100	116.000	0.317	-	-	148.600	1314.000	-	12.000	93.767	-	-	-	168.861	45.200	0.012	-	4.080	-	6.648	0.096	1.077	58.682	-	-	-	53.072	42.828	4.100	-	-	53.072	46.928	
	46.0	4015.000	1.40	36.900	53.000	191.900	153.600	11.600	116.000	0.238	0.058	0.007	108.400	1103.000	-	11.600	64.950	-	-	-	49.700	0.063	0.013	1.315	1.700	-	6.157	0.125	1.089	50.957	-	-	-	52.959	41.832	5.210	-	-	52.959	47.041	
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040	0.022	146.400	1216.000	-	11.600	53.878	-	-	-	40.700	0.337	0.012	1.115	1.870	-	7.160	0.070	1.031	56.178	-	-	-	193.864	40.700	0.002	0.012	3600.000	1.870	193.864	40.700
	46.0	4334.500	1.40	36.608	57.000	240.000	202.900	8.600	8.955	0.211	0.040																														

第31-2表 アトサスプリア地域水質一覧表 (つづき)

NO	ARC 57		ARC 58		ARC 59		ARC 60	
	TEMP	PH(CD)	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)
H (MG/KG)(MVAL/KG)	41.900	41.569	29.500	29.267	19.400	19.247	37.100	36.807
K	72.000	1.842	85.000	2.174	81.000	2.072	75.000	1.918
NA	325.000	14.137	450.000	19.575	400.000	17.400	301.000	13.093
NA4								
CA	216.500	10.803	187.000	9.331	239.000	11.926	305.000	15.219
MG	27.500	2.263	23.000	1.893	12.700	1.045	27.000	2.222
FE	166.000	5.944	129.000	4.619	170.000	6.088	216.000	7.663
MN	7.800	0.284	6.800	0.248	6.200	0.226	7.250	0.264
ZN	2.400	0.073	0.019	0.001	0.023	0.001	0.253	0.008
CU	0.160	0.005	0.040	0.001	0.033	0.001	0.041	0.001
PB	0.460	0.004	0.003	0.000	0.0	0.0	0.0	0.0
AL	112.100	12.464	201.000	22.349	230.000	25.574	245.000	27.242
CL	1363.000	58.450	1526.000	43.048	1142.000	32.216	1633.000	46.067
BR								
F	16.300	0.858	16.200	0.853	13.200	0.695	16.900	0.890
SD4	3408.929	70.974	3212.305	66.880	3485.796	72.574	3375.083	70.269
SD43								
HCO3								
CO3								
SI02 (MG/KG)(MMOL/KG)	146.167	2.434	218.461	3.638	62.006	1.032	198.479	3.305
H2O2	45.200	1.031	58.200	1.328	62.700	1.431	49.200	1.123
H3PO4	0.123	0.001	0.008	0.000	0.123	0.001	2.144	0.022
HA5D2	0.401	0.004	1.280	0.012	1.855	0.017	0.569	0.005
CO2	4400.000	99.958	3124.000	70.977	2750.000	62.480	4430.000	100.650
H2S	4.080	0.120	5.440	0.160	1.700	0.050	6.120	0.180
RN (RE-10 CURIE/L)								
NA/K	7.676	9.003	8.398	6.825				
CA/(HCO3+CO3)	0.209	0.203	0.088	0.146				
NA/CA	1.309	2.098	1.459	0.860				
CL/(HCO3+CO3)								
CL/F	44.812	50.481	46.364	51.783				
CL*100/(CL+SD4+HCO3+CO3)								
SD4*100/(CL+SD4+HCO3+CO3)								
(HCO3+CO3)*100/(CL+SD4+HCO3+CO3)								
(NA+K)*100/(NA+K+CA+MG)	55.014	65.960	60.019	46.257				
CA*100/(NA+K+CA+MG)	37.194	28.300	36.760	46.897				
MG*100/(NA+K+CA+MG)	7.791	5.740	3.221	6.846				
(CL+SD4)*100/(CL+SD4+HCO3+CO3)								
(HCO3+CO3)*100/(CL+SD4+HCO3+CO3)								
(NA+K)*100/(NA+K+CA+MG)	55.014	65.960	60.019	46.257				
(CA+MG)*100/(NA+K+CA+MG)	44.986	34.040	39.981	53.743				

第31-2表 アトサスアプリ地域水質一覧表(つづき)

	ARC 61	ARC 62	ARC 63	ARC 64
NO	54.0	53.6	53.6	45.3
JEMP	5810.000	680.000	313.000	1128.000
TSM	1.40	9.10	9.50	8.80
PH(FD)	-	9.10	9.70	8.80
PH(LB)	-	-	-	-
H (MG/KG)(HVAL/KG)	30.700	30.457	-	-
K	65.000	1.663	0.120	0.026
NA	356.000	15.486	8.665	3.276
NH4	-	-	1.000	1.000
CA	213.000	10.629	0.200	0.010
MG	39.000	3.209	TR.	-
FE	146.000	5.013	0.009	0.002
MN	5.600	0.204	0.010	0.010
ZN	0.560	0.011	0.000	0.001
CU	0.030	0.0	0.0	0.001
PB	0.026	0.000	-	-
AL	140.000	15.567	0.370	0.081
CL	1384.000	59.043	186.200	5.253
BR	-	-	-	-
I	-	-	14.900	0.420
F	5.550	0.292	1.660	0.087
OH	-	-	0.820	0.043
S04	2852.638	59.392	150.200	3.127
S203	-	-	42.400	0.883
CO3	-	-	129.300	2.119
SI02	145.398	2.421	34.100	1.137
H802	58.200	1.328	97.209	1.619
H3P04	0.010	0.000	7.900	0.180
HAS02	1.062	0.010	-	-
CO2	3320.000	79.974	0.395	0.004
H2S	2.210	0.065	0.0	0.001
HN (NE-10 CURIE/L)	-	-	0.0	0.0
NA/K	9.314	72.074	128.051	65.032
CA/(HCO3+CO3)	-	0.231	-	0.036
MG/CA	0.302	0.230	-	0.171
NA/CA	1.457	20.192	328.211	104.609
CL/(HCO3+CO3)	-	2.830	0.129	2.385
CL/F	133.638	60.112	9.738	30.225
CL*100/(CL+S04+HCO3+CO3)	-	51.315	9.220	58.501
S04*100/(CL+S04+HCO3+CO3)	-	30.550	19.364	16.969
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	-	18.135	71.416	24.529
(NA+K)*100/(NA+K+CA+MG)	55.342	94.332	-	98.910
CA*100/(NA+K+CA+MG)	34.301	4.608	-	0.931
MG*100/(NA+K+CA+MG)	10.357	1.060	-	0.159
(CL+S04)*100/(CL+S04+HCO3+CO3)	-	81.865	28.584	75.471
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	-	18.135	71.416	24.529
(NA+K)*100/(NA+K+CA+MG)	55.342	94.332	-	98.910
(CA+MG)*100/(NA+K+CA+MG)	44.658	5.668	-	1.090

第31-2表 アトサスプリア地域水質一覧表 (つづき)

	ARC 65	ARC 66	ARC 67	ARC 68
NO	53.4	74.9	39.5	95.1
TEMP	942.000	1667.000	365.000	474.000
PH(FED)	8.20	8.10	9.30	9.30
PH(LB)	8.30	8.20	9.30	9.30
H (MG/KG)(MVAL/KG)				
K	8.700	21.400	0.547	0.023
NA	274.500	481.500	74.900	3.258
NH4				
CA	18.700	67.300	0.200	0.010
MG	1.700	1.700	TR.	0.100
FE	0.040	0.120	0.004	0.019
MN	0.070	0.120	0.0	0.0
ZN	0.046	0.039	0.001	0.000
CU	0.0	0.001	0.000	0.000
PB				
AL	0.200	0.520	0.480	0.053
CL	361.200	734.400	20.717	0.573
BR				
I				
F	1.220	2.260	0.119	0.076
S04	65.300	103.300	2.151	0.618
S203				
HC03	139.100	135.400	2.219	2.360
CU3	5.500	3.700	0.123	1.200
S102 (MG/KG)(MMDL/KG)	114.910	150.814	2.511	152.500
H802	41.200	13.500	0.508	37.500
H3P04				
HAS02	0.184	0.437	0.004	0.000
CO2				
H25	0.0	0.0	0.0	0.0
RN (#E-10 CURIE/L)				
NA/K	53.655	38.262	141.523	66.680
CA/(HC03+CU3)	0.378	1.434	0.003	0.003
MG/CA	0.150	0.042		0.825
NA/CA	12.796	6.237	326.468	545.711
CL/(HC03+CU3)	4.131	8.844	0.161	0.581
CL/F	158.653	174.145	7.355	18.978
CL+100/(CL+S04+HC03+CU3)				
S04*100/(CL+S04+HC03+CU3)	72.701	82.177	12.053	31.291
(HC03+CU3)*100/(CL+S04+HC03+CU3)	9.700	8.531	13.015	14.838
(NA+K)*100/(NA+K+CA+MG)	17.598	9.292	74.932	53.871
CA*100/(NA+K+CA+MG)	91.893	86.002		99.672
MGR*100/(NA+K+CA+MG)	7.050	13.438		0.180
(CL+S04)*100/(CL+S04+HC03+CU3)	1.057	0.560		0.148
(HC03+CU3)*100/(CL+S04+HC03+CU3)	82.402	90.708	25.068	46.129
(NA+K)*100/(NA+K+CA+MG)	17.598	9.292	74.932	53.871
(CA+MG)*100/(NA+K+CA+MG)	91.893	86.002		99.672
	8.107	13.998		0.328

第31-2表 アトサスプリア地域水質一覽表 (つづき)

	ARC 69		ARC 70		ARC 71		ARC 72	
NU	49.1	64.7	82.0	28.9				
TEMP	478,000	874,000	1441,000	273,000				
PH(FU)	9.00	8.50	8.30	8.60				
PH(LB)	9.00	8.50	8.30	8.60				
H (MG/KG)(MVAL/KG)								
K	3,600	0.092	5,300	0.156	9,700	0.248	2,000	0.051
NA	115,100	5,007	231,600	10,075	401,100	17,448	59,700	2,597
NH4								
CA	0.600	0.030	59,200	1,956	51,000	2,545	8,600	0.429
MG	0.100	0.008	0.200	0.016	6,400	0.527	0.600	0.049
FE	0.080	0.003	0.140	0.005	0.050	0.002	0.050	0.002
MN	0.0	-	0.0	-	0.020	0.001	0.020	0.001
ZN	0.030	0.001	0.040	0.001	0.001	0.000	0.0	-
CU	0.002	0.000	0.0	0.001	0.001	0.000	0.0	-
PR								
AL	0.580	0.064	0.320	0.036	0.290	0.032	0.540	0.060
CL	77,900	2,198	238,400	6,725	393,100	11,089	37,100	1,047
PR								
I								
F	3,610	0.190	1,110	0.058	1,970	0.104	0,630	0.033
CH								
SU4	54,600	1,137	249,000	5,184	440,000	9,161	63,000	1,312
MC03	119,600	1,960	51,200	0.859	52,500	0.860	58,000	0.951
CD3	23,600	0.787	5,300	0.177	4,700	0.157	6,800	0.227
SI02 (MG/KG)(MMUL/KG)	141,713	2,360	66,006	1,099	72,006	1,199	67,406	1,122
H3P04	12,000	0.274	11,200	0.256	18,900	0.431	10,500	0.240
HAS02	0.138	0.001	0.105	0.001	0.213	0.002	0.039	0.000
C02								
H2S	0.0	-	0.0	-	0.0	-	0.0	-
RN (RE-10 CURIE/L)								
NA/K	54,370		74,311		70,318		50,761	
CA/(HC03+CD3)	0.011		1,926		2,502		0,365	
MG/CA	0.275		0.008		0.207		0.115	
NA/CA	167,229		5,150		6,856		6,052	
CL/(HC03+CD3)	0.800		6.621		10.903		0.889	
CL/F	11,564		115,099		106,936		31,559	
CL*100/(CL*S04+HC03+CD3)	56,147		52,042		52,143		29,602	
S04*100/(CL*S04+HC03+CD3)	18,693		40,109		43,075		37,100	
(HC03+CD3)*100/(CL*S04+HC03+CD3)	45,170		7,859		4,783		33,298	
(NA*K)*100/(NA*K+CA+MG)	98,257		87,809		85,210		84,696	
CA*100/(NA*K+CA+MG)	0,583		16,056		12,254		13,725	
MG*100/(NA*K+CA+MG)	0,160		0,135		2,536		1,579	
(CL*S04)*100/(CL*S04+HC03+CD3)	54,840		92,141		95,217		66,702	
(HC03+CD3)*100/(CL*S04+HC03+CD3)	45,170		7,859		4,783		33,298	
(NA*K)*100/(NA*K+CA+MG)	99,257		85,809		85,210		84,696	
(CA+MG)*100/(NA*K+CA+MG)	0,743		16,191		14,790		15,304	

第31-2表 アトサスプリ地域水質一覽表 (つづき)

NO	ARC 73		ARC 74		ARC 75		ARC 76	
	TEMP	53.9	62.7	65.1	65.1	94.2		
TSA	533.000	2833.000	2326.000	5160.000	5160.000			
PH(ED)	8.70	8.30	7.40	7.90	7.90			
PH(LB)	8.70	8.30	7.80	8.50	8.50			
H (MG/KG) (M/L/KG)								
K	3.000	0.077	36.800	0.941	28.600	0.732	35.600	0.911
NH4	131.800	5.733	891.000	38.758	602.000	26.187	1473.000	64.075
CA	2.400	0.120	52.600	2.625	126.600	6.317	392.300	19.576
MG	0.200	0.016	6.200	0.510	5.900	0.486	1.900	0.156
FE	0.030	0.001	0.080	0.003	0.270	0.010	0.030	0.001
MN	0.0	0.000	0.020	0.001	0.170	0.006	0.120	0.004
ZN	0.001	0.000	0.016	0.000	0.106	0.000	0.028	0.001
CU	0.001	0.000	0.002	0.000	0.002	0.000	0.003	0.000
PB	0.380	0.042	0.340	0.038	0.360	0.040	1.020	0.113
AL	99.100	2.796	1334.000	37.652	1068.000	30.128	2846.000	80.286
CL	99.100	2.796	1334.000	37.652	1068.000	30.128	2846.000	80.286
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	2.090	0.110	1.670	0.098	1.130	0.059	2.110	0.111
SD4	93.000	1.936	150.900	3.142	154.400	3.215	172.400	3.589
SZ03	95.200	1.560	153.100	2.509	50.600	0.829	33.600	0.551
CD3	15.200	0.507	10.900	0.363	0.0	0.0	0.0	0.0
SI02 (MG/KG) (M/L/KG)	141.113	2.350	196.518	3.272	124.511	2.073	89.008	1.482
H802	11.200	0.256	48.100	1.098	33.100	0.755	60.700	1.385
H3E04	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
HAS02	0.055	0.001	0.010	0.000	0.536	0.005	0.707	0.007
CD2	0.0	0.0	0.0	0.0	14.300	0.325	31.700	0.720
H2S	0.0	0.0	0.0	0.0	0.0	0.0	0.020	0.001
RN (#E-10 CUR(E/L))								
NA/K	74.711	41.174	35.795	70.363	35.795	70.363		
CAZ/(HC03+C03)	0.058	0.914	7.617	35.547	7.617	35.547		
MG/CA	0.157	0.194	0.077	0.008	0.077	0.008		
NA/CA	47.873	14.767	4.145	3.273	4.145	3.273		
CL/(HC03+C03)	1.353	13.100	36.328	145.787	36.328	145.787		
CL/E	25.411	382.297	506.500	722.836	506.500	722.836		
CL*100/(CL+S04+HC03+C03)	41.119	86.220	88.166	95.096	88.166	95.096		
S04*100/(CL+S04+HC03+C03)	28.479	7.198	9.407	4.252	7.198	4.252		
(HC03+C03)*100/(CL+S04+HC03+C03)	50.402	6.582	2.427	0.652	6.582	0.652		
(NA+K)*100/(NA+K+CA+MG)	97.709	92.681	79.826	76.709	92.681	76.709		
CA*100/(NA+K+CA+MG)	2.014	6.128	18.734	23.107	6.128	23.107		
MG*100/(NA+K+CA+MG)	0.277	1.191	1.440	0.185	1.191	0.185		
(CL+S04)*100/(CL+S04+HC03+C03)	69.598	93.418	97.573	99.348	93.418	99.348		
(HC03+C03)*100/(CL+S04+HC03+C03)	50.402	6.582	2.427	0.652	6.582	0.652		
(NA+K)*100/(NA+K+CA+MG)	97.709	92.681	79.826	76.709	92.681	76.709		
(CA+MG)*100/(NA+K+CA+MG)	2.291	7.319	20.174	23.291	7.319	23.291		

第31-2表 アトサスプリア地域水質一覧表 (つづき)

	ARC 77	ARC 78	ARC 79	ARC 80
NO	83.8	44.7	43.0	72.2
TEMP	3395.000	2082.000	2174.000	3300.000
TSM	8.40	6.80	7.40	8.00
PH(LFD)	8.40	7.50	8.00	8.10
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	44.800	1.146	27.200	0.696
NA	936.000	40.716	529.000	25.011
NH4			22.500	0.576
CA	156.900	7.829	589.000	25.621
MG	1.900	0.156	119.200	5.968
FE	0.050	0.002	7.500	0.617
MN	0.120	0.004	0.180	0.006
ZN	0.002	0.000	0.450	0.016
CU	0.001	0.000	0.031	0.001
PB	0.001	0.000	0.003	0.000
AL	0.430	0.048	0.630	0.070
CL	1614.000	45.531	915.400	25.823
BR			993.400	28.024
I				1529.000
F	1.520	0.080	0.880	0.046
OH			0.900	0.047
S04	200.900	4.183	102.300	2.130
HCO3	50.000	0.819	203.100	3.329
CO3	6.500	0.217		
SI02 (MG/KG) (MMOL/KG)	179.216	2.984	108.910	1.813
H802	48.500	1.107	36.700	0.837
H3PO4				48.900
HAS02	1.033	0.010	0.115	0.001
CO2	0.0		3.300	0.075
H2S	0.0		0.0	0.0
HN (#E-10 CURIE/L)				
NA/K	35.529	33.073	44.517	35.968
CA/(HCU3+CO3)	7.256	2.246	1.787	4.172
MG/CA	0.020	0.104	0.207	0.072
NA/CA	5.200	4.140	4.308	4.192
CL/(HCO3+CO3)	43.943	10.896	8.419	19.664
CL/F	569.045	557.462	591.519	561.231
CL#100/(CL+S04+HCO3+CO3)	89.716	83.688	83.697	87.644
S04#100/(CL+S04+HCO3+CO3)	8.242	6.839	6.361	7.898
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	2.042	7.563	9.942	4.557
(NA+K)#100/(NA+K+CA+MG)	85.980	77.938	79.961	80.079
CA#100/(NA+K+CA+MG)	15.706	18.275	18.155	18.584
MG#100/(NA+K+CA+MG)	0.314	3.787	1.884	1.237
(CL+S04)#100/(CL+S04+HCO3+CO3)	97.958	92.337	90.058	95.543
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	2.042	7.663	9.942	4.557
(NA+K)#100/(NA+K+CA+MG)	85.980	77.938	79.961	80.079
(CA+MG)#100/(NA+K+CA+MG)	16.020	22.062	20.039	19.921

第31-2表 アトサスプリア地域水質一覧表 (つづき)

NO	ARC 81		ARC 82		ARC 83		ARC 84	
	TEMP	66.4	99.0	48.6	47.0	1086.000	7.60	8.10
TSM	2157.000	3654.000	2481.000	8.30	1086.000	7.60	8.10	
PH(FD)	8.10	8.50	8.30					
PH(LB)	8.10	8.50	8.30					
H (MG/KG)(MVAL/KG)								
K	28.200	0.721	42.900	1.097	17.000	0.435	8.800	0.225
NA	545.000	23.707	966.000	42.021	842.000	36.627	330.700	14.385
NH4								
CA	124.800	6.228	205.300	10.244	63.900	3.189	31.300	1.562
MG	9.600	0.790	8.300	0.683	1.400	0.115	3.200	0.263
FE	0.540	0.019	0.070	0.003	0.040	0.001	0.050	0.002
MN	0.600	0.022	0.140	0.005	0.110	0.004	0.0	0.0
ZN	0.016	0.000	0.051	0.001	0.021	0.001	0.004	0.000
CU	0.002	0.000	0.001	0.000	0.001	0.000	0.001	0.000
PB								
AL	0.100	0.011	0.350	0.039	0.370	0.041	0.390	0.043
CL	959.200	27.059	1681.000	47.421	1231.000	34.727	505.400	14.257
BR								
F	0.880	0.046	1.830	0.096	4.490	0.236	1.290	0.068
DH								
SD4	132.100	2.750	226.800	4.722	234.200	4.876	53.500	1.114
SZ03								
HC03	122.000	2.000	92.100	1.510	36.600	0.600	104.900	1.719
CD3	4.700	0.157	10.900	0.363	4.700	0.157		
S102 (MG/KG)(MMH/L)(KG)	107.610	1.792	149.613	2.491	58.905	0.981	72.507	1.207
H802	35.400	0.808	56.000	1.278	33.100	0.755	18.500	0.422
H8P04								
HAS02	0.885	0.008	0.913	0.008	0.331	0.003	0.078	0.001
CD2							1.100	0.025
H2S	0.0		0.0		0.0		0.320	0.009
RN (RE-10 CURIE/L)								
NA/K	52.865		58.292		84.227		63.906	
CA/(HC03+CD3)	2.888		5.470		4.215		0.908	
MG/CA	0.127		0.067		0.036		0.169	
NA/CA	3.607		4.102		11.487		9.210	
CL/(HC03+CD3)	12.549		25.321		45.903		8.292	
CL/F	584.135		492.271		146.926		209.958	
CL*100/(CL+SD4+HC03+CD3)	84.651		87.791		86.044		83.423	
SD4*100/(CL+SD4+HC03+CD3)	8.604		8.742		12.082		6.517	
(HC03+CD3)*100/(CL+SD4+HC03+CD3)	6.745		3.467		1.874		10.060	
(NA+K)*100/(NA+K+CA+MG)	77.684		79.781		91.615		88.695	
CA*100/(NA+K+CA+MG)	19.804		18.955		7.699		9.503	
MG*100/(NA+K+CA+MG)	2.512		1.264		0.285		1.602	
(CL+SD4)*100/(CL+SD4+HC03+CD3)	95.255		96.533		98.126		89.940	
(HC03+CD3)*100/(CL+SD4+HC03+CD3)	6.745		3.467		1.874		10.060	
(NA+K)*100/(NA+K+CA+MG)	77.684		79.781		91.615		88.695	
(CA+MG)*100/(NA+K+CA+MG)	22.316		20.219		8.185		11.105	

第31-2表 アトサスプリア地域水質一覽表 (つづき)

	ARC 89	ARC 90	ARC 91	ARC 92
NO	44.5	52.2	52.4	80.6
TEMP	235.000	475.000	372.000	1696.000
TSM	8.90	8.50	8.60	8.50
PH(L)	8.90	8.50	8.60	8.20
PH(LB)	8.90	8.50	8.60	8.20
H (MG/KG) (MVAL/KG)				
K	1.200	3.000	2.300	11.600
NA	66,400	122,000	100,400	499,000
NH4				
CA	6,000	14,700	9,000	86,800
MG	0.400	0.500	0.041	0.700
FE	0.050	0.040	0.001	0.030
MN	0.0	0.010	0.000	0.020
ZN	0.004	0.004	0.007	0.010
CU	0.0	0.0	0.001	0.000
PB				
AL	0.390	0.340	0.370	0.550
CL	32,100	100,400	68,700	661,900
BR				
I				
F	1,420	1,130	1,140	2,190
OH				
S04	58,700	137,900	99,500	332,600
HCO3	65,900	58,000	61,000	58,600
CO3	9,000	6,500	6,800	2,900
SI02 (MG/KG) (MMOL/KG)				
H802	38,904	59,305	58,905	72,907
H3PO4	7,700	7,700	7,300	19,500
HAS02	0.055	0.097	0.001	0.066
CO2				
H2S	0.0	0.0	0.0	0.0
RN (#E-10 CURIE/L)				
NA/K	94,097	69,156	74,233	73,153
CA/(HCO3+CO3)	0.217	0.628	0.366	4,097
MG/CA	0.110	0.056	0.165	0.013
NA/CA	9,847	7,255	9,725	5,012
CL/(HCO3+CO3)	0.656	2,426	1,580	17,663
CL/F	12,114	47,635	32,295	161,970
CL#100/(CL+S04+HCO3+CO3)	25,815	41,223	37,013	70,054
S04#100/(CL+S04+HCO3+CO3)	54,841	41,788	39,564	25,980
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	59,344	16,989	23,423	3,966
(NA+K)#100/(NA+K+CA+MG)	89,779	87,421	89,430	83,370
CA#100/(NA+K+CA+MG)	9,208	11,911	9,074	16,411
MG#100/(NA+K+CA+MG)	1,012	0,668	1,496	0,218
(CL+S04)#100/(CL+S04+HCO3+CO3)	60,656	83,011	76,577	96,034
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	59,344	16,989	23,423	3,966
(NA+K)#100/(NA+K+CA+MG)	89,779	87,421	89,430	83,370
(CA+MG)#100/(LNA+K+CA+MG)	10,221	12,579	10,570	16,630

第31-2表 アトサスプリア地域水質一覧表(つづき)

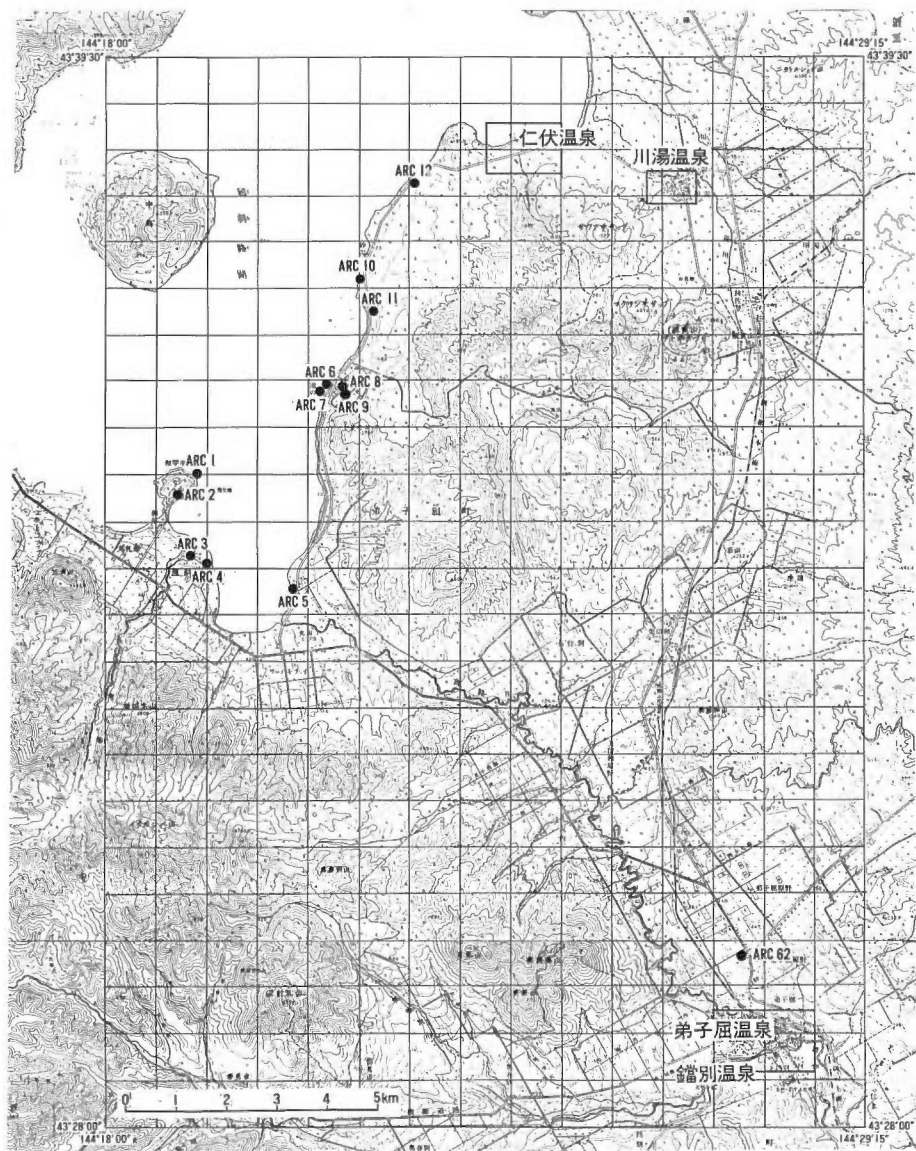
	ARC 93	ARC 94	ARC 95	ARC 96
NO	67.8	92.6	43.3	47.2
TEMP	2561.000	3178.000	1161.000	1083.000
PH(CFD)	8.30	6.90	8.90	8.70
PH(LB)	8.30	8.40	8.90	8.70
H (MG/KG)(HVAL/KG)				
K	9.000	31.900	4.700	6.100
NA	714.000	870.000	329.500	333.500
NH4				
CA	148.800	175.300	54.900	12.000
MG	1.200	1.900	2.600	0.900
FE	0.050	0.310	0.050	0.020
MN	0.010	0.140	0.0	0.010
ZN	0.064	0.010	0.005	0.005
CU	0.003	0.001	0.0	0.0
PB				
AL	0.640	0.071	0.031	0.058
CL	1182.000	33.344	40.538	403.500
HR				
J				
P	1.040	1.850	0.820	1.610
DM				
SO4	264.900	295.100	81.500	126.600
SO3				
HCO3	36.000	79.300	83.000	75.600
CO3	6.200	0.207	18.000	13.000
SI02 (MG/KG)(MMDL/KG)				
H802	61.306	1.021	1.972	1.620
H3P04	34.300	0.783	0.974	0.411
HAS02	0.184	0.002	0.402	0.001
CO2			5.700	0.130
H2S	0.0	0.0	0.0	0.0
RN (NE-10 CURIE/L)				
NA/K	154.910	46.379	119.219	92.973
CA/(HCO3+CO3)	9.320	6.730	1.397	0.358
MG/CA	0.013	0.018	0.078	0.124
NA/CA	4.183	4.326	5.232	24.227
CL/(HCO3+CO3)	41.854	31.189	7.315	6.806
CL/F	609.075	416.267	332.195	134.309
CL#100/(CL+SO4+HCO3+CO3)				
SO4#100/(CL+SO4+HCO3+CO3)	84.083	84.486	79.678	72.543
(HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	13.908	12.805	9.429	16.798
(NA+K)#100/(NA+K+CA+MG)	2.009	2.709	10.893	10.658
CA#100/(NA+K+CA+MG)	80.615	81.281	83.033	95.613
MG#100/(NA+K+CA+MG)	19.130	18.391	15.738	3.905
(CL+SO4)#100/(CL+SO4+HCO3+CO3)	0.254	0.329	1.229	0.483
(CL+HCO3+CO3)#100/(CL+SO4+HCO3+CO3)	97.991	97.291	89.107	89.342
(NA+K)#100/(NA+K+CA+MG)	2.009	2.709	10.893	10.658
(CA+MG)#100/(NA+K+CA+MG)	80.615	81.281	83.033	95.613
	19.385	18.710	16.967	4.387

第31-2表 アトサスプリア地域水質一覧表 (つづき)

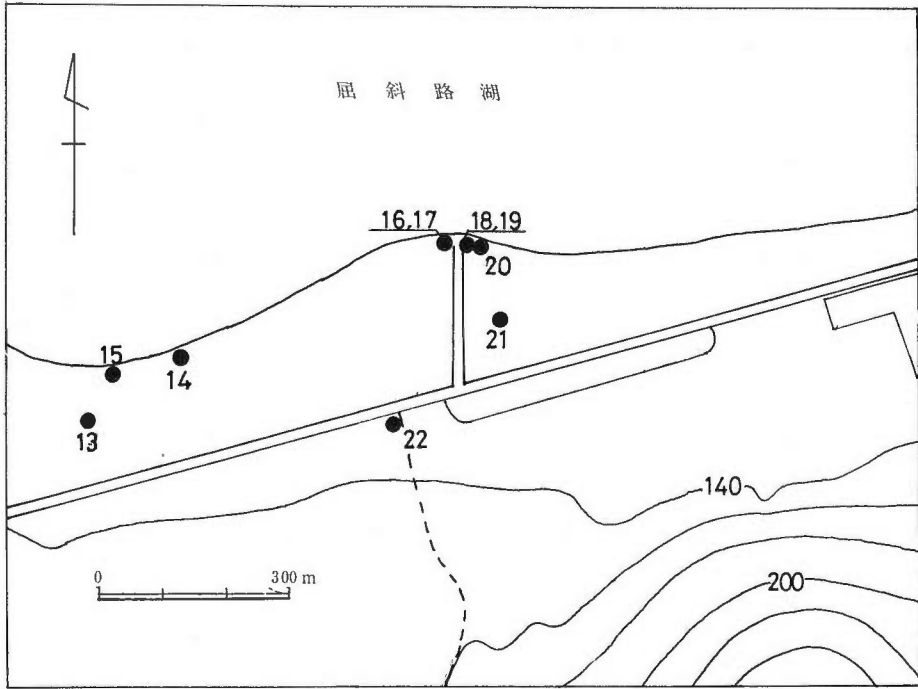
NO	TEMP	ARC 97			
TSM	2322.000	37.7	-	-	-
PH(ED)	8.50	-	-	-	-
PH(LB)	8.50	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-	-
K	27.500	0.703	-	-	-
NA	825.000	35.887	-	-	-
NH4	-	-	-	-	-
CA	20.900	1.043	-	-	-
MG	2.000	0.165	-	-	-
FE	0.110	0.004	-	-	-
MN	0.070	0.003	-	-	-
ZN	0.008	0.000	-	-	-
CU	0.0	-	-	-	-
PB	-	-	-	-	-
AL	0.210	0.023	-	-	-
CL	1070.000	30.185	-	-	-
HR	-	-	-	-	-
F	1.930	0.102	-	-	-
D4	-	-	-	-	-
S04	212.800	4.450	-	-	-
S203	180.400	3.219	-	-	-
HC03	11.500	0.583	-	-	-
CU5	-	-	-	-	-
SIU2 (MG/KG)(MMUL/KG)	87.708	1.460	-	-	-
HB02	30.500	0.696	-	-	-
H3P04	-	-	-	-	-
H4S02	0.238	0.002	-	-	-
C02	-	-	-	-	-
H2S	0.0	-	-	-	-
RN (#E-10 CURIE/L)	-	-	-	-	-
NA/K	51.016	-	-	-	-
CA/(HC03+CU3)	0.290	-	-	-	-
MG/CA	0.138	-	-	-	-
NA/CA	34.411	-	-	-	-
CL/(HC03+CU3)	8.379	-	-	-	-
CL/F	297.107	-	-	-	-
CL*100/(CL+S04+HC03+CU3)	78.981	-	-	-	-
S04*100/(CL+S04+HC03+CU3)	11.593	-	-	-	-
(HC03+CU3)*100/(CL+S04+HC03+CU3)	9.426	-	-	-	-
(NA*K)*100/(NA*K+CA*MG)	96.805	-	-	-	-
CA*100/(NA*K+CA*MG)	2.759	-	-	-	-
MGR*100/(NA*K+CA*MG)	0.445	-	-	-	-
(CL+S04)*100/(CL+S04+HC03+CU3)	90.574	-	-	-	-
(HC03+CU3)*100/(CL+S04+HC03+CU3)	9.426	-	-	-	-
(NA*K)*100/(NA*K+CA*MG)	96.805	-	-	-	-
(CA*MG)*100/(NA*K+CA*MG)	3.195	-	-	-	-

第31-1図 アトサヌプリ地域の温泉分布及び試料採取地

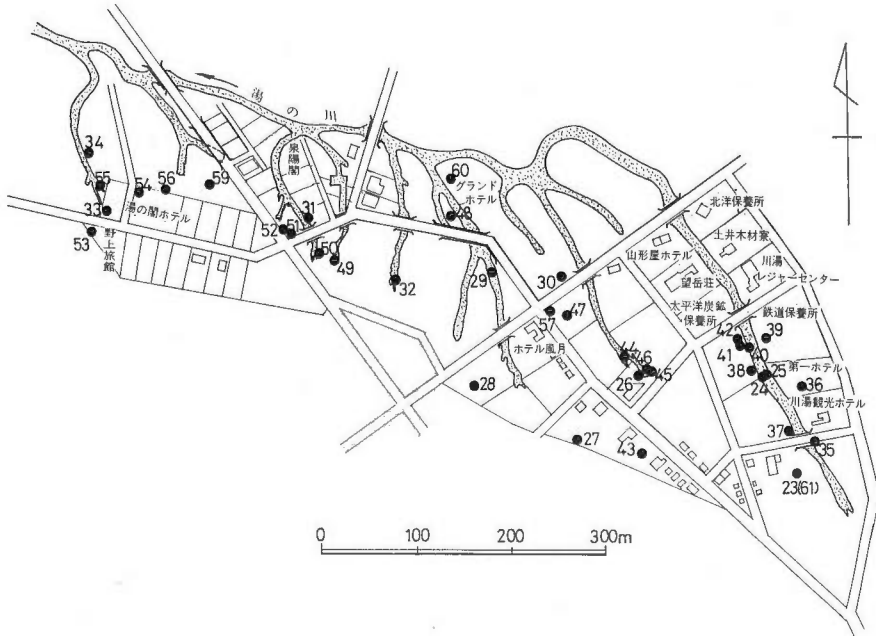
(この地図は、国土地理院発行の5万分の1地形図「屈斜路湖」及び「弟子屈」を使用したものである。)



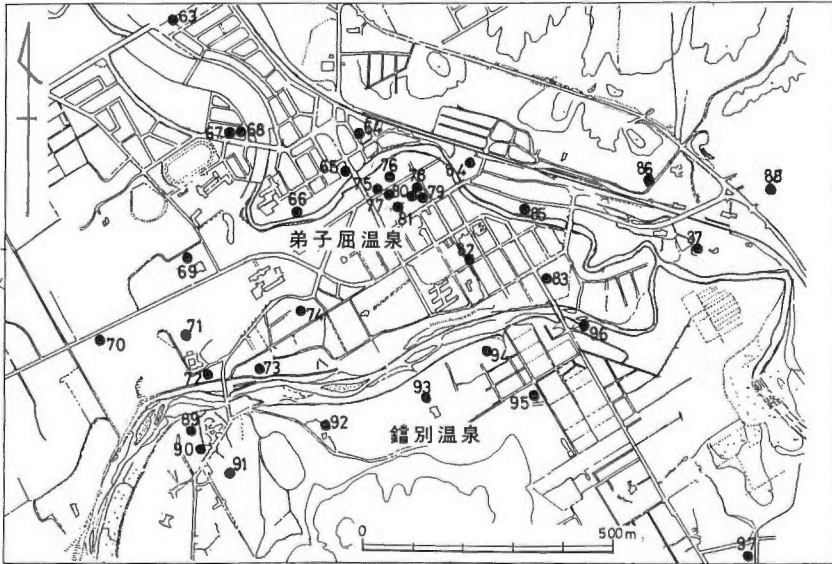
第 31-2 図 試料採取地 (仁伏温泉)



第 31-3 図 試料採取地 (川湯温泉)



第 31-4 図 試料採取地 (弟子屈・鑑別温泉)

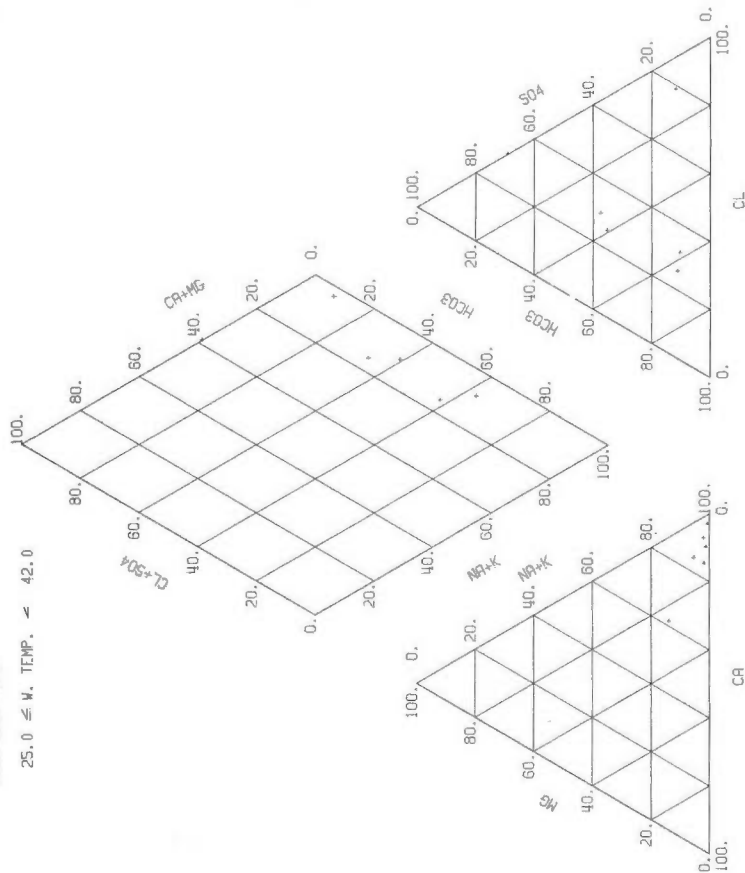


第 31-5 図 アトサスプリ地域水質組成図 (その 1) (水温25℃以上42℃未満)

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25.0 ≦ W. TEMP. < 42.0

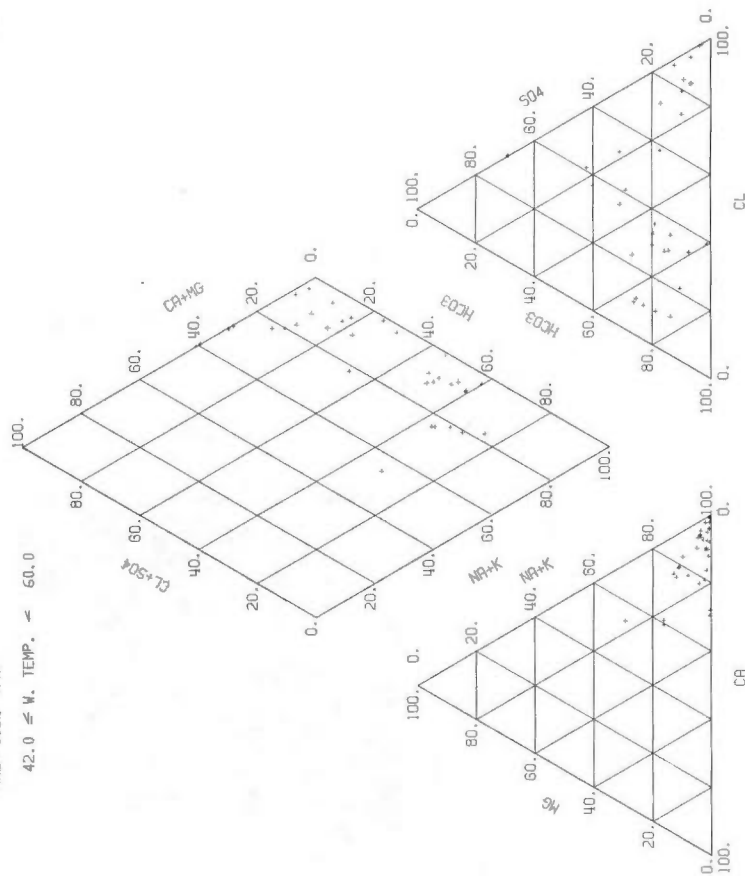


第 31-5 図 アトサスプリ地域水質組成図 (その 2) (水温42℃以上60℃未満)

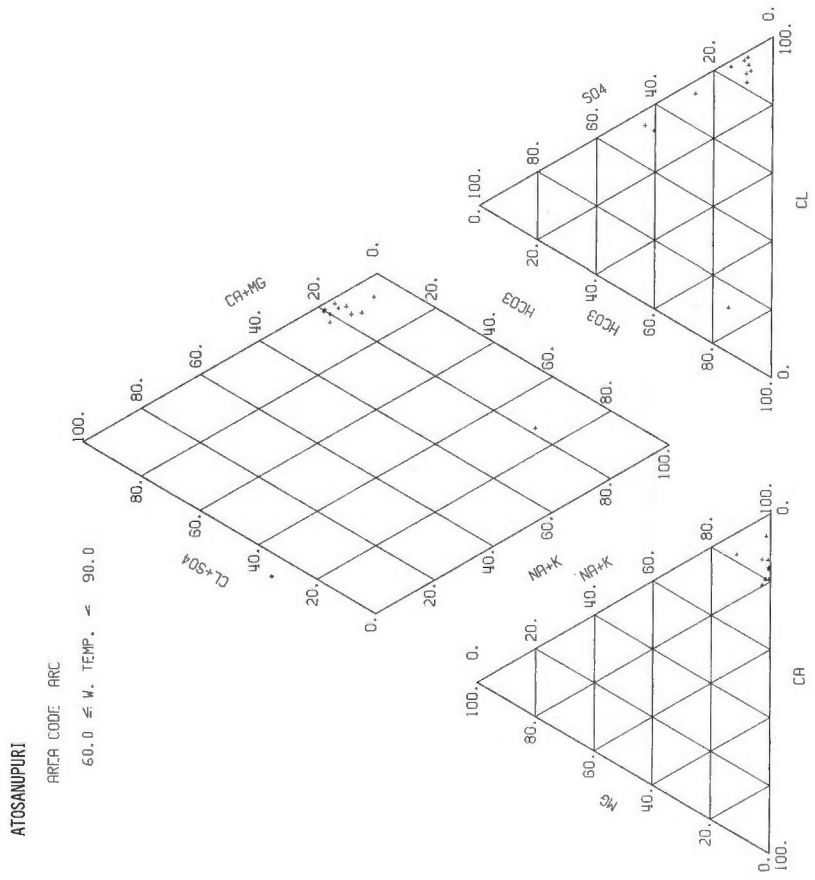
ATOSANUPURI

AREA CODE ARC

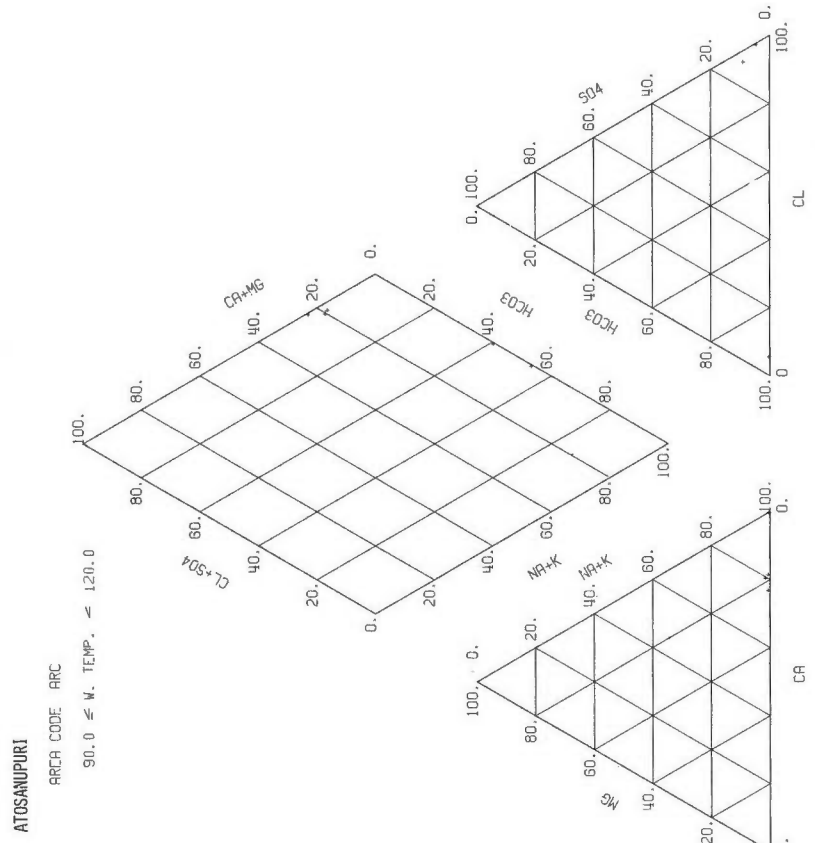
42.0 ≦ W. TEMP. < 60.0



第31-5図 アトサヌプリ地域水質組成図 (その3) (水温60°C以上90°C未満)



第31-5図 アトサヌプリ地域水質組成図 (その4) (水温90°C以上120°C未満)

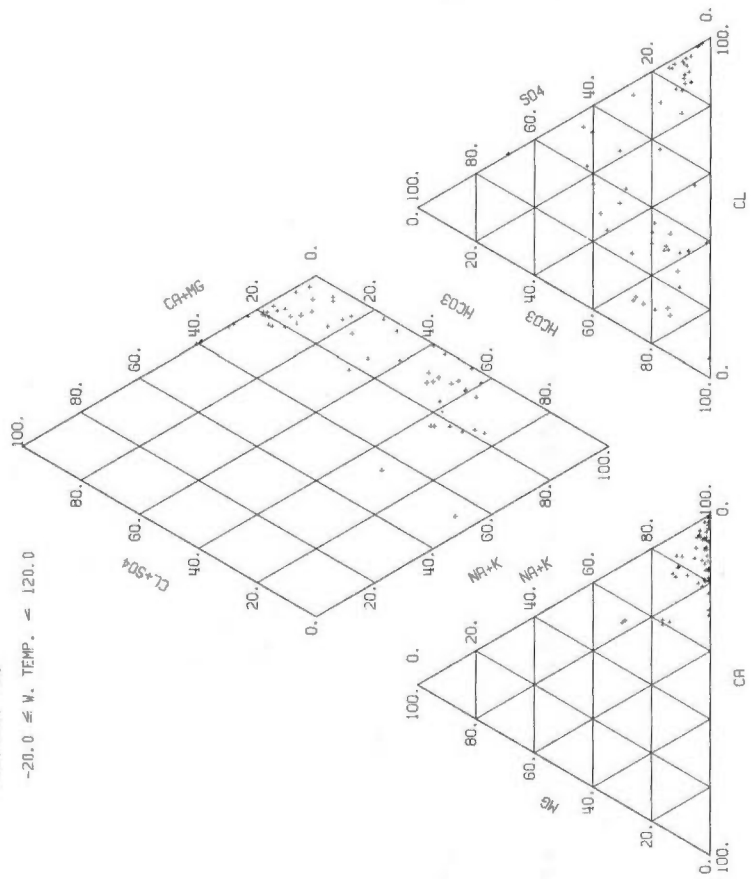


第31-5図 アトサヌプリ地域水質組成図 (その5) (全試料)

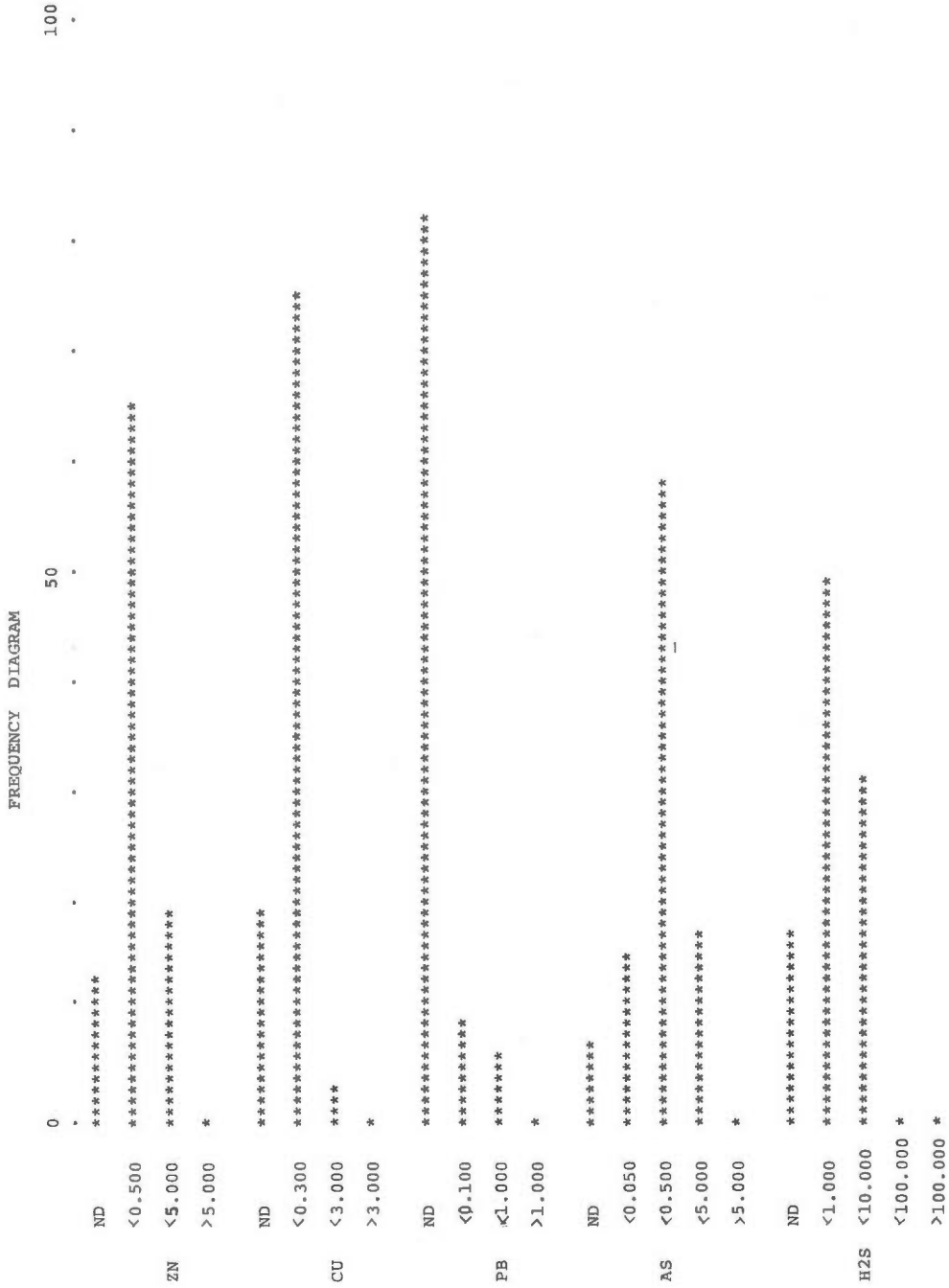
ATOSANUPURI

AREA CODE ARC

-20.0 ≦ W. TEMP. ≦ 120.0



第31-6図 アトサスプリ地域特定成分含量の頻度分布図

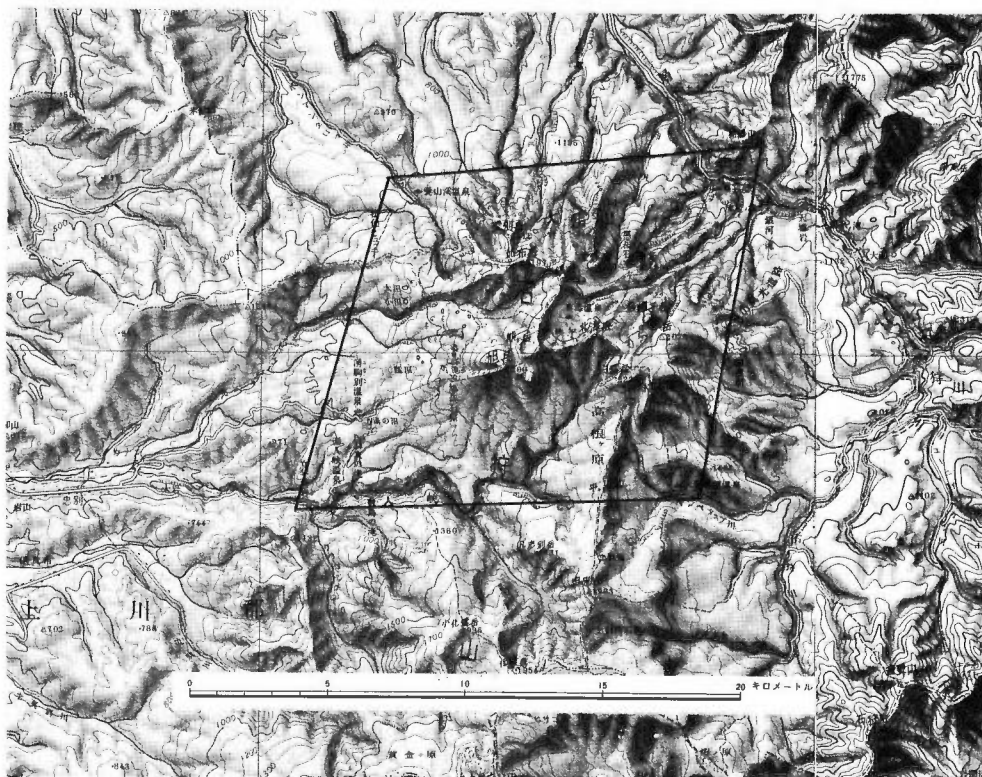


32. 愛山溪

Aizankei

位置	北海道上川郡上川町，同郡東川町
データ数	75
収集・整理	五十嵐昭明・山田菅三・比留川 貴
協力	北海道衛生研究所，同衛生部，同旭川保健所

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「旭川」を使用したものである）



第 32-1 表 愛山溪地域試料一覽表

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
AZC - 1	北海道上川郡上川町字層雲峡国有林事業区303林班	層雲	ホテル層雲	ホテル層雲	1966. 6. 28	9	41衛研委第1814号	D=60m, Q=100l/m, P
" - 2	" " " " " " " "	"	"	"	1965. 7. 19	"	40 " 第1637号	D=40m, Q=1l/m, F
" - 3	" " " " " " " "	未定番地	銀河荘銀の湯	銀河荘銀の湯	1971. 12. 16	"	46衛研委第1302号	D=50m, Q=5l/m, F
" - 4	" " " " " " " "	"	"	"	"	"	" 1303号	D=50m, Q=120l/m, F
" - 5	" " " " " " " "	国有林大雪経営区 1林班ふい小班	"	"	1965. 3. 11	"	40 " 第673号	Q=180l/m, F, X
" - 6	" " " " " " " "	"	觀光ホテル	靈泉の湯	(1952. 8. 4)	"	衛研試第67号	"
" - 7	" " " " " " " "	"	"	岸の湯	(" 9)	"	" 70号	"
" - 8	" " " " " " " "	未定番地 1 林班る小班	"	"	1966. 8. 18	"	41衛研委第2447号	D=16m, P
" - 9	" " " " " " " "	"	ホテル石狩	"	1967. 5. 15	"	42 " 1066号	D=75m, P
" - 10	" " " " " " " "	"	"	"	1969. 11. 18	"	44 " 1881号	D=40m, P
" - 11	" " " " " " " "	"	層雲閣, 美女の湯	美女の湯	(1952. 8)	"	衛研試第63号	"
" - 12	" " " " " " " "	石狩川右岸	荒井建設, 靈光の湯	靈光の湯	1963. 12. 9	"	38年3105号	D=0m, F
" - 13	" " " " " " " "	国有林大雪経営区302林班	"	宝石の湯	1961. 1. 30	"	衛研試第687号	D=0m, Q=90l/m, F
" - 14	" " " " " " " "	石狩川右岸	"	宝石の湯 2号	1963. 12. 9	"	39年25号	D=0m, Q=80l/m, F
" - 15	" " " " " " " "	国有林上川経営区 65林班先	層雲閣, 神の湯	神の湯	1958. 10. 27	"	衛研試第553号	D=0m, Q=35l/m, F
" - 16	" " " " " " " "	国有林大雪事業区 140林班り小班	商店街地区旅館組合	商店街地区旅館組合	1971. 10. 7	"	46衛研委第1107号	D=0m, Q=250l/m, F, X
" - 17	" " " " " " " "	"	ホテル大雪	ホテル大雪	1953. 12. 17	"	衛研試第175号	D=0m, Q=40l/m, F
" - 18	" " " " " " " "	"	"	"	1955. 3. 19	"	" 329号	Q=22l/m, F
" - 19	" " " " " " " "	"	日赤, 幸の湯	幸の湯	1957. 9. 20	48	53 F	D=0m, Q=18. 8l/m, F
" - 20	" " " " " " " "	"	"	千島の湯	(1952. 9. 10)	9	衛研試第87号	D=0m, Q=16. 7l/m, F
" - 21	" " " " " " " "	"	層雲閣桂の湯	層雲閣桂の湯	(1952. 8)	"	" 61号	D=0m, Q=75l/m, F
" - 22	" " " " " " " "	"	朝陽荘	朝陽荘	1953. 12. 27	"	" 183号	D=0m, Q=45l/m, F
" - 23	" " " " " " " "	"	"	"	"	"	" 216号	D=0m, F
" - 24	" " " " " " " "	国有林石狩担当区277林班	上川町	上川町	1959. 9. 26	"	" 609号	D=0m, F, X
" - 25	" " " " " " " "	国有林上川営林署 306林班ろ小班	上川町 1号	上川町 1号	1963. 10. 22	"	38年2681号	D=0m, Q=20l/m, F, X
" - 26	" " " " " " " "	"	上川町 2号	上川町 2号	"	"	" 2682号	D=0m, Q=25l/m, F, X
" - 27	" " " " " " " "	"	上川町 3号	上川町 3号	"	"	" 2683号	D=0m, F, X
" - 28	" " " " " " " "	"	上川町 4号	上川町 4号	"	"	" 2684号	D=0m, Q=25l/m, F, X
" - 29	" " " " " " " "	"	上川町 5号	上川町 5号	"	"	" 2685号	D=0m, Q=30l/m, F, X
" - 30	" " " " " " " "	"	野田晴男	野田晴男	(1953. 6. 25)	"	衛研試第142号	X
" - 31	" " " " " " " "	未定番地	開發局, 天狗の湯	天狗の湯	1955. 5. 2	"	" 343号	D=0m, F, X
" - 32	" " " " " " " "	国有林上川営林署278林班	立岩吉松	立岩吉松	1959. 9. 26	"	" 604号	D=0m, Q=10l/m, F, X
" - 33	" " " " " " " "	"	日進工業K. K.	日進工業K. K.	1962. 2. 15	"	37年309号	D=0m, Q=50l/m, F, X

No.	産地	温泉名	源泉名	源泉名	採水年月日	文献中の No.	文献中の 試料 No.	備考
AZC-34	北海道 上川郡 上川町 字層雲峽	国有林上川営林署 72林班ろ小班	層雲峽	佐藤貞雄	1960. 1. 12	9	衛研試第632号	D=0m, Q=40l/m, F, X
"	"	国有林大雪事業区 164林班	"	天野 1号	"	"	672号	D=5.5m, Q=300l/m, F, X
"	"	上川営林署 303林班	"	天野 2号	"	"	673号	D=10m, Q=500l/m, F, X
"	"	"	"	天野 3号	"	"	676号	D=7m, Q=400l/m, F, X
"	"	"	"	菊谷清蔵	"	"	675号	D=0m, Q=20l/m, F, X
"	"	未定番地	"	前野与三吉	(1961. 3.)	"	691号	D=0m, F, X
"	"	日赤用地内鉱泉保護地の8	"	松の湯	1963. 10. 31	"	38年2875号	D=0m, Q=20l/m, F, X
"	"	未定番地の25	"	野村豊次郎	"	"	2930号	D=0m, Q=40l/m, F, X
"	"	国有林大雪事業区 139林班れ小班	"	林友観光K. K.	1968. 9. 25	"	43衛研委第2450号	D=0m, Q=250l/m, F, X
"	"	"	"	野村光子	1969. 10. 21	"	44 "	1513号 D=0m, Q=20l/m, F, X
"	"	未定番地	"	層雲閣, 川下湯	1971. 12. 16	"	46 "	1304号 D=6.5m, P, X
"	"	国有林上川営区 76林班ほ小班	"	層雲閣	1958. 7	"	衛研試第539号	D=7m, P, X
"	"	字愛山溪国有林50林班い小班	山	"	1961. 1. 30	"	689号	D=0m, F, X
"	"	国有林大雪事業区 139林班	溪	上川町	1958. 4	"	530号	"
"	"	"	原	大雪山有毒1号	1964. 9. 2	"	39年2040号	D=0m, Q=150l/m, F
"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"
"	"	国有林上川事業区277林班	"	立岩吉松	1961. 2. 23	"	衛研試第688号	D=0m, Q=100l/m, F
"	"	字層雲峽国有林大雪事業区 114林班ろ小班	"	大雪観光, 間欠泉	1968. 10. 17	"	43衛研委第2741A号	D=0m, Q=60l/m, F, X
"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"
"	"	勇駒別国有林52林班	駒	石川民之助	1953. 6	"	衛研試第146号	F, X
"	"	勇駒別	別	小西清作	1957. 7. 24	"	490号	D=0m, Q=108l/m, F, X
"	"	"	"	"	"	"	491号	D=0m, Q=90l/m, F, X
"	"	勇駒別道有林第7林班い小班	"	東川町	1959. 11	"	626号	"
"	"	"	"	大雪山自然科学研究所	1962. 2. 13	"	37年 625号	D=0m, Q=21l/m, F
"	"	ろ小班	"	K. K. 大雪ハイランド	1969. 7. 10	"	44衛研委第740号	D=0m, Q=2000l/m, F, X
"	"	ピウチナイ1418	"	勇駒班 A	1957. 9. 20	48	46A	D=0m, F
"	"	"	"	勇駒班 C	"	"	46B	"
"	"	"	"	仰岳班	"	"	46C'	"
"	"	天人峽温泉国有林神楽事業区 121林班わ小班	人	天人閣1号	1972. 6. 22	9	47衛研委第301号	D=0m, Q=340l/m, F

No.	産地	温泉名	源名	泉名	採水年月日	文献No.	文献中の 試料 No.	備考
AZC-64	北海道上川郡上川町天人峡温泉国有林神楽事業区 121林区わ小班	天人峡	天人閣	B	1957. 9. 18	48	45 B	
"	"	"	羽衣	荘	1957. 9.	"	45 C'	D=0m, Q=171l/m, F
"	"	"	佐々木与一		1963. 7. 10	9	38年1643号	D=0m, D=45l/m, F, ×
"	"	"	大村武		1966. 6. 14	"	41荷研委第1407号	D=0m, Q=9l/m, F, ×
"	"	"	(中岳)		(1977. 6.)	50	No. 1	D=0m, Q=108l/m, F
"	"	"	(旭岳噴気孔)		(" ")	"	No. 2	D=0m, F
"	"	"	勇駒別	旭の湯 A	(" ")	"	No. 3	D=0m, Q=447l/m, F
"	"	"	"	弘法の湯	(" ")	"	No. 5	D=0m, Q=15. 6l/m, F
"	"	"	"	湯の滝	(" ")	"	No. 6	D=0m, Q=809l/m, F
"	"	"	"	白雲荘	(" ")	"	No. 11	D=0m, Q=21. 9l/m, F
"	"	"	上川町白水仙上流	(白水)	1968.	54	No. 22	D=50m, F
"	"	"	"	(" ")	"	"	No. 28	

温泉名の () は文献41に記載されていないもの、採水年月日の () は分析年月日、備考欄の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=0 m……
Fは自然湧出、×は源泉位置不明を示す。

第 32-2 表 愛山溪流域水質一覽表

NU	AZC 1	AZC 2	AZC 3	AZC 4
TEMP	42.5	52.0	51.0	48.0
TSS	652.000	785.000	708.900	418.300
PH(FD)	7.60	6.40	7.20	7.00
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	5.000	0.126	0.256	0.333
NA	94.000	4.089	7.850	6.220
NA4	-	10.000	13.000	6.000
CA	49.000	180.000	143.000	110.000
CA	49.000	45.300	27.600	22.450
MG	5.000	2.620	9.420	5.230
FE	1.070	0.411	0.216	0.775
MN	0.487	0.059	0.056	0.716
ZN	0.0	0.130	1.400	0.051
CU	0.0	0.430	0.056	0.750
PB	0.066	0.017	0.013	0.002
AL	11.900	0.232	0.007	0.300
AL	11.900	0.002	0.0	0.0
AL	11.900	1.200	13.600	12.600
CL	28.400	0.801	0.250	0.801
BR	-	8.870	28.400	17.700
I	-	-	-	-
F	0.445	0.023	0.013	0.014
DM	-	0.250	0.260	0.460
SD4	93.500	1.943	1.370	2.602
SZU3	-	65.800	125.000	122.000
HC03	347.000	558.000	441.000	298.000
CD3	-	-	-	-
S102 (MG/KG)(MMUL/KG)	50.004	107.510	75.853	1.263
H302	49.200	59.200	22.400	0.511
H3P04	-	0.128	1.736	0.018
HAS02	-	-	-	-
CD2	0.0	453.000	52.800	1.200
H25	5.100	23.900	1.530	0.045
H25	5.100	0.150	0.701	0.045
RN (#E-10 CURIE/L)	-	-	-	-
NA/K	31.970	30.610	18.706	31.177
CA/(HC03+CO3)	0.450	0.247	0.182	0.229
MG/CA	0.168	0.095	0.563	0.584
NA/CA	1.672	3.464	4.517	4.271
CL/(HC03+CO3)	0.141	0.027	0.106	0.102
CL/F	54.202	19.104	58.537	20.621
CL*100/(CL+S04+HC03+CO3)	9.503	2.324	7.310	6.302
S04*100/(CL+S04+HC03+CO3)	23.040	12.725	23.747	32.057
(HC03+CO3)*100/(CL+S04+HC03+CO3)	67.457	84.951	68.943	61.642
(NA+K)*100/(NA+K+CA+MG)	59.616	76.557	75.275	76.104
CA*100/(NA+K+CA+MG)	34.567	21.402	15.820	17.264
MG*100/(NA+K+CA+MG)	5.817	2.041	8.904	6.652
(CL+S04)*100/(CL+S04+HC03+CO3)	32.543	15.049	31.057	38.358
(HC03+CO3)*100/(CL+S04+HC03+CO3)	67.457	84.951	68.943	61.642
(NA+K)*100/(NA+K+CA+MG)	59.616	76.557	75.275	76.104
(CA+MG)*100/(NA+K+CA+MG)	40.384	23.443	24.725	23.896

第32-2表 愛山溪流域水質一覽表 (つづき)

	AZC 5	AZC 6	AZC 7	AZC 8
NU				
TEMP	53.0	75.0	75.0	59.0
TSM	487.000	826.800	568.000	791.000
PH(FD)	6.20	7.30	7.80	6.60
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	3.000	-	10.264	0.263
NA	73.000	178.604	86.127	3.747
NH4	-	23.080	8.138	0.451
CA	27.100	34.590	45.735	1.783
MG	5.100	2.970	-	15.000
FE	0.460	0.531	8.920	0.319
MN	0.560	-	-	0.152
ZN	0.016	-	-	0.700
CU	0.025	-	-	0.042
PB	0.0	-	-	TR.
AL	3.300	5.755	3.834	0.003
CL	15.800	45.358	27.723	6.200
BR	-	-	-	0.000
I	-	-	-	0.689
F	0.450	-	-	0.000
UH	-	-	-	1.128
SD4	74.000	104.170	53.950	0.820
S204	-	-	-	0.043
HC03	208.000	450.860	323.324	98.000
CU3	-	-	-	2.040
SI02 (MG/KG) (MMOL/KG)				
H02	56.159	103.986	68.277	1.137
H304	13.500	15.151	9.810	0.224
H304	0.038	0.790	2.028	0.021
HAS02	-	-	-	0.434
CD2	199.900	4.542	-	0.159
H25	5.100	0.150	-	20.142
RN (RE-10 CURIE/L)				
NA7K	41.380	-	14.270	20.973
CA/(HC03+CO3)	0.397	0.234	0.336	0.226
MG/CA	0.310	0.142	-	0.775
NA/CA	2.348	4.501	2.101	4.032
CL/(HC03+CO3)	0.131	0.135	0.148	0.159
CL/F	18.816	-	-	20.142
CL*100/(CL+SD4+HC03+CU3)	8.261	9.449	10.855	11.010
SD4*100/(CL+SD4+HC03+CU3)	28.555	20.546	15.591	19.907
(HC03+CO3)*100/(CL+SD4+HC03+CU3)	63.164	70.005	73.554	69.083
(NA+K)*100/(NA+K+CA+MG)	64.731	-	-	70.435
CA*100/(NA+K+CA+MG)	26.915	-	-	16.675
MG*100/(NA+K+CA+MG)	8.353	-	-	12.890
(CL+SD4)*100/(CL+SD4+HC03+CU3)	36.816	29.995	26.446	30.917
(HC03+CO3)*100/(CL+SD4+HC03+CU3)	63.184	70.005	73.554	69.083
(NA+K)*100/(NA+K+CA+MG)	64.731	-	-	70.435
(CA+MG)*100/(NA+K+CA+MG)	35.269	-	-	29.565

第32-2表 愛山溪流域水質一覽表 (つづき)

NO	AZC 9	AZC 10	AZC 11	AZC 12
TEMP	557.500	1063.600	546.600	462.000
TSM	6.40	7.20	7.40	7.00
PH(FD)				
PH(LH)				
H (MG/KG) (MVAL/KG)				
K	6.000	15.000	17.600	11.000
NA	98.800	276.000	84.800	80.200
NH4				
CA	39.200	11.800	15.900	23.500
MG	6.300	1.020	0.084	4.600
FE	0.220	15.900	1.000	0.362
MN	0.720	0.0	0.240	0.320
ZN	0.0	0.0		0.0
CU	TR	0.012		0.091
PB	0.0	0.0		0.028
AL	5.120	2.800		0.001
CL	53.200	46.000	1.693	2.600
BR				0.289
I				0.601
F	0.180	1.600		
OH				1.040
S04	126.000	257.000	1.145	23.800
S204				0.496
HCO3	206.000	460.000	158.600	271.800
CO3				4.455
SI02 (MG/KG) (MMUL/KG)	28.003	154.629	23.079	62.006
H002	17.900	85.000	1.940	13.400
H3PO4	0.255	0.408	0.004	0.715
HAS02	0.018	0.060		0.131
CO2	88.000	101.000	2.295	19.700
H2S	2.720	16.100	0.473	0.448
RN (#E-10 CURIE/L)				0.850
NA/K	28.002	31.290	8.194	12.396
CA/(HCO3+CO3)	0.579	0.078	0.305	0.263
MG/CA	0.265	0.143	0.104	0.509
NA/CA	2.197	20.390	4.649	2.975
CL/(HCO3+CO3)	0.444	0.172	0.651	0.135
CL/F	158.389	15.407		10.976
CL*100/(CL+S04+HCO3+CO3)	20.009	9.423	31.130	10.824
S04*100/(CL+S04+HCO3+CO3)	34.976	35.830	21.061	8.926
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45.015	54.747	47.809	80.249
(NA+K)*100/(NA+K+CA+MG)	64.271	94.850	82.537	71.069
CA*100/(NA+K+CA+MG)	28.243	4.508	15.822	22.105
MG*100/(NA+K+CA+MG)	7.485	0.643	1.641	6.825
(CL+S04)*100/(CL+S04+HCO3+CO3)	54.985	45.253	52.191	19.751
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45.015	54.747	47.809	80.249
(NA+K)*100/(NA+K+CA+MG)	64.271	94.850	82.537	71.069
(CA+MG)*100/(NA+K+CA+MG)	35.729	5.150	17.463	28.931

第 32-2 表 愛山溪地域水質一覽表 (つづき)

	AZC 13	AZC 14	AZC 15	AZC 16
NO ₃				
TEMP	60.0	60.0	66.0	22.0
ISM	492.000	472.000	554.000	405.000
PH(FI)	7.40	7.40	7.40	3.30
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	6.600	10.500	9.600	4.000
NA	92.000	89.000	120.000	43.000
NH ₄				
CA	20.700	25.000	11.400	12.090
MG	3.820	3.600	4.800	9.420
FE	0.240	0.100	0.160	0.775
MN	0.0	0.074	0.005	0.505
ZN	0.020	0.015	0.000	0.009
CU	0.030	0.010	0.000	0.162
PB	0.040	0.0	0.000	0.000
AL	5.900	3.750	3.000	0.010
				23.700
CL	42.600	53.200	63.700	24.850
HR				
I				
F	0.405	0.790	0.800	0.520
OH				
SD ₄	67.800	90.300	65.000	279.000
SZ ₃				
HC ₃	213.500	163.100	215.000	0.0
CO ₃				
SI _{D2} (MG/KG) (MMUL/KG)	69.468	38.465	60.467	17.848
H ₈ O ₂	22.400	17.900	44.200	17.920
H ₃ P ₀₄	0.063	0.051	2.757	0.028
H ₄ S ₀₂	0.010	0.131	0.017	0.010
CO ₂	8.800	0.0	13.200	0.000
H ₂ S	2.000	0.850	1.500	398.000
				2.040
RN (#E-10 CURTE/L)				
NA/K	23.705	14.414	21.257	18.281
CA/(HC ₃ +CO ₃)	0.295	0.467	0.161	0.0
MG/CA	0.304	0.237	0.694	1.285
NA/CA	3.874	3.103	9.176	3.100
CL/(HC ₃ +CO ₃)	0.343	0.561	0.510	0.0
CL/F	56.369	56.089	42.671	25.610
CL*100/(CL+S ₀₄ +HC ₀₃ +CO ₃)	19.660	24.790	26.925	10.769
S ₀₄ *100/(CL+S ₀₄ +HC ₀₃ +CO ₃)	23.092	31.054	20.277	89.231
(HC ₃ +CO ₃)*100/(CL+S ₀₄ +HC ₀₃ +CO ₃)	57.247	44.156	52.799	0.0
(NA+K)*100/(NA+K+CA+MG)	75.584	72.840	85.009	58.868
CA*100/(NA+K+CA+MG)	18.719	21.948	8.848	18.002
MG*100/(NA+K+CA+MG)	5.697	5.212	6.144	23.131
(CL+S ₀₄)*100/(CL+S ₀₄ +HC ₀₃ +CO ₃)	42.753	55.844	47.201	100.000
(HC ₃ +CO ₃)*100/(CL+S ₀₄ +HC ₀₃ +CO ₃)	57.247	44.156	52.799	0.0
(NA+K)*100/(NA+K+CA+MG)	75.584	72.840	85.009	58.868
(CA+MG)*100/(NA+K+CA+MG)	24.416	27.160	14.991	41.132

第32-2表 愛山溪流域水質一覽表 (つづき)

	A7C 17	A7C 18	A7C 19	AZC 20
NO	73.0	74.0	92.0	88.0
TEMP	653.600	546.000	619.000	631.200
TSM	7.60	7.50	7.50	7.40
PH(FID)	-	-	-	-
PH(LH)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	23.530	1.100	0.028	-
NA	101.480	108.100	142.000	132.969
NH4	-	-	6.190	5.784
CA	12.120	18.300	0.913	0.343
MG	-	11.800	0.971	1.469
FE	0.470	0.940	1.800	0.122
MN	-	-	0.034	0.022
ZN	-	-	0.004	-
CU	-	-	-	-
PB	-	-	-	-
AL	9.370	0.980	-	-
CL	84.420	60.600	76.600	53.040
HR	-	-	2.161	-
I	-	-	-	-
F	-	-	-	-
UH	-	-	-	-
S04	102.600	129.200	2.690	1.979
S2O3	-	-	-	-
HC03	106.500	143.600	2.354	287.359
CO3	-	-	4.147	4.710
S102 (MG/KG) (MMOL/KG)	84.777	48.004	0.799	110.385
HPO2	39.370	13.200	0.301	0.229
H3PO4	13.406	-	0.137	0.003
HASO2	-	-	-	-
CO2	149.300	3.392	-	22.000
H2S	2.600	0.076	0.164	7.480
HN (NE-10 CURIE/L)	-	-	-	-
NA/K	7.334	167.117	7.413	-
CA/(HC03+CO3)	0.346	0.388	0.144	0.312
MG/CA	-	1.063	2.858	0.083
NA/CA	7.299	5.149	44.967	3.937
CL/(HC03+CO3)	1.429	0.726	0.521	0.318
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	39.121	25.315	24.714	18.281
S04*100/(CL+S04+HC03+CO3)	53.503	39.835	27.860	24.175
(HC03+CO3)*100/(CL+S04+HC03+CO3)	27.377	34.852	47.426	57.544
(NA+K)*100/(NA+K+CA+MG)	-	71.515	92.971	-
CA*100/(NA+K+CA+MG)	-	13.805	1.822	-
MG*100/(NA+K+CA+MG)	-	14.680	5.207	-
(CL+S04)*100/(CL+S04+HC03+CO3)	72.623	65.148	52.574	42.456
(HC03+CO3)*100/(CL+S04+HC03+CO3)	27.377	34.852	47.426	57.544
(NA+K)*100/(NA+K+CA+MG)	-	71.515	92.971	-
(CA+MG)*100/(NA+K+CA+MG)	-	28.485	7.029	-

第32-2表 愛山溪地域水質一覽表 (つづき)

	AZC 21	AZC 22	AZC 23	AZC 24
NO	72.0	70.0	67.0	92.0
TEMP	687.600	495.600	606.600	370.000
TSM	7.40	7.60	7.50	5.60
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	11.600	7.410	17.640	2.700
NA	122.900	92.260	127.200	32.800
NH4	-	4.440	4.030	-
CA	16.900	15.690	18.370	11.700
MG	2.500	4.980	6.280	8.100
FE	0.240	-	-	1.030
MN	-	-	-	0.200
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	-	-	-	9.500
CL	68.500	52.980	74.180	3.500
HR	-	-	-	-
I	-	-	-	-
F	-	-	-	0.080
OH	-	-	-	-
S04	98.300	65.000	143.200	131.600
S203	-	-	-	-
HCO3	199.600	170.400	155.900	61.600
CO3	-	-	-	1.010
S102 (HG/KG) (MMOL/KG)				
H802	95.778	108.010	106.587	86.546
H4P04	-	4.300	6.450	13.600
H4S02	5.676	0.038	-	0.613
CU2	-	54.620	-	0.0
H2S	-	2.100	1.780	30.800
RN (#E-10 CURIE/L)	-	-	-	2.500
NA/K	18.017	21.173	12.262	20.658
CA/(HCO3+CO3)	0.258	0.280	0.359	0.578
MG/CA	0.244	0.523	0.564	1.142
NA/CA	6.339	5.126	6.036	2.444
CL/(HCO3+CO3)	0.591	0.535	0.819	0.098
CL/F	-	-	-	23.446
CL*100/(CL+S04+HCO3+CO3)	26.652	26.496	27.429	2.566
S04*100/(CL+S04+HCO3+CO3)	28.227	23.992	39.079	71.199
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45.121	49.512	33.492	26.236
(NA+K)*100/(NA+K+CA+MG)	84.324	77.894	80.676	54.469
CA*100/(NA+K+CA+MG)	12.602	14.511	12.357	21.259
MG*100/(NA+K+CA+MG)	3.074	7.595	6.967	24.271
(CL+S04)*100/(CL+S04+HCO3+CO3)	54.879	50.488	66.508	73.764
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45.121	49.512	33.492	26.236
(NA+K)*100/(NA+K+CA+MG)	84.324	77.894	80.676	54.469
(CA+MG)*100/(NA+K+CA+MG)	15.676	22.106	19.324	45.531

第32-2表 愛山溪流域水質一覽表 (つづき)

NO	AZC 25		AZC 26		AZC 27		AZC 28	
	TEMP	80.0	TEMP	68.0	TEMP	80.0	TEMP	62.0
TSM	1114.000		347.000		1426.000		795.000	
PH(FD)	6.80		6.50		1.90		2.60	
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	8.300	0.212	1.900	0.049	13.100	12.996	2.530	2.510
NA	82.400	3.584	43.200	1.879	4.000	0.102	5.800	0.148
NH4					11.700	0.509	29.600	1.288
CA	155.800	7.774	55.700	2.779	54.600	2.725	63.900	3.189
MG	51.300	4.221	11.600	0.955	19.700	1.621	16.600	1.366
FE	0.300	0.011	0.780	0.028	18.600	0.666	48.800	1.748
MN	1.450	0.053	0.480	0.017	1.740	0.063	1.650	0.060
ZN	0.038	0.001	0.038	0.001	0.112	0.003	0.050	0.002
CU	0.021	0.001	0.004	0.000	0.018	0.001	0.010	0.000
PB	0.0		0.0		0.0		0.0	
AL	8.700	0.967	12.100	1.345	48.800	5.426	21.800	2.424
CL	8.868	0.248	8.800	0.248	8.800	0.248	7.100	0.200
BR								
I								
F	0.180	0.009	0.060	0.003	0.300	0.016	0.120	0.006
OH								
S04	497.700	10.362	225.000	4.684	1355.640	28.224	626.893	13.052
S2O3								
CO3	378.200	6.199	128.200	2.101	0.0		0.0	
CO3								
ST02 (MG/KG)(MMOL/KG)	135.474	2.256	41.465	0.690	174.477	2.905	56.467	0.940
HB02	40.300	0.920	22.400	0.511	13.400	0.306	13.400	0.306
H3PO4	0.153	0.002	0.071	0.001	0.459	0.005	0.123	0.001
HAS02	0.010	0.000	0.016	0.000	0.0		0.010	0.000
CO2	132.000	2.999	228.800	5.198	0.0		176.000	3.999
H2S	44.800	1.315	42.100	1.236	2.300	0.068	5.440	0.160
RN (#E-10 CURIE/L)								
NA/K	16.883		38.665		4.974		8.679	
CA/(HCO3+CO3)	1.254		1.323		0.0		0.0	
MG/CA	0.543		0.343		0.595		0.428	
NA/CA	0.461		0.676		0.187		0.404	
CL/(HCO3+CO3)	0.040		0.118		0.0		0.0	
CL/F	26.200		78.599		15.720		31.708	
CL*100/(CL+S04+HCO3+CO3)	1.477		3.529		0.872		1.511	
S04*100/(CL+S04+HCO3+CO3)	61.646		66.594		99.128		98.489	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	36.877		29.872		0.0		0.0	
(NA+K)*100/(NA+K+CA+MG)	24.041		54.049		12.332		23.970	
CA*100/(NA+K+CA+MG)	49.228		49.091		54.984		53.227	
MG*100/(NA+K+CA+MG)	26.751		16.860		32.704		22.803	
(CL+S04)*100/(CL+S04+HCO3+CO3)	63.123		70.128		100.000		100.000	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	36.877		29.872		0.0		0.0	
(NA+K)*100/(NA+K+CA+MG)	24.041		54.049		12.332		23.970	
(CA+MG)*100/(NA+K+CA+MG)	75.959		65.951		87.668		78.050	

第32-2表 愛山溪地域水質一覽表 (つづき)

	AZC 29	AZC 30	AZC 31	AZC 32
NO	67.0	70.0	74.0	44.0
TEMP	477.000	582.700	548.200	750.500
TSM	6.60	7.60	8.00	6.85
PH(FD)				
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	4.700	0.120	0.893	0.026
	66.500	2.893	6.769	3.937
		34.920	1.030	6.100
		155.600	90.500	173.000
NH4		4.587		
CA	29.300	1.462	0.267	0.963
		5.346	19.300	51.500
MG	30.800	2.535	0.101	0.466
		1.223	1.300	5.660
FE	0.370	0.013	0.062	0.007
		1.740	0.200	0.555
MN	0.0			0.708
ZN	0.076	0.002		0.064
CU	0.0			0.004
PB	0.0			0.000
AL	10.800	1.201	1.600	0.178
				3.020
CL	7.100	0.200	2.165	1.882
		76.760	66.700	80.000
BR				2.257
I				
F	0.260	0.014		1.120
OH				0.059
S04	202.800	4.222	2.209	0.968
S203		106.100	46.500	0.0
HC03	231.900	3.801	3.337	2.331
		203.600	142.200	532.500
CO3				8.728
S102 (MG/KG) (MMOL/KG)	116.472	1.939	2.259	1.801
		135.704	108.164	51.928
HB02	13.400	0.306	0.353	0.559
		15.480	24.500	17.900
H3PO4	0.066	0.001		2.287
		0.010	1.838	0.019
HAS02				0.100
CO2	224.400	5.098		105.600
H2S	51.500	1.512		1.530
				2.399
				0.045
HN (#E-10 CURIE/L)				
NA7K	24.061	7.577	149.417	48.229
CA/(HC03+CO3)	0.385	0.080	0.413	0.294
MG/CA	1.734	0.377	0.111	0.181
NA7CA	1.979	25.373	4.088	2.928
CL/(HC03+CO3)	0.053	0.649	0.807	0.259
CL/FE	14.654			38.279
CL#100/(CL+S04+HC03+CO3)	2.456	28.080	36.322	20.545
SD4#100/(CL+S04+HC03+CO3)	51.345	28.646	18.688	0.0
(HC03+CO3)#100/(CL+S04+HC03+CO3)	46.220	43.274	44.990	79.455
(NA+K)#100/(NA+K+CA+MG)	42.984	95.424	78.740	71.675
CA#100/(NA+K+CA+MG)	20.958	3.322	19.135	23.979
MG#100/(NA+K+CA+MG)	36.158	1.253	2.125	4.346
(CL+S04)#100/(CL+S04+HC03+CO3)	53.780	56.726	55.010	20.545
(HC03+CO3)#100/(CL+S04+HC03+CO3)	46.220	43.274	44.990	79.455
(NA+K)#100/(NA+K+CA+MG)	42.984	95.424	78.740	71.675
(CA+MG)#100/(NA+K+CA+MG)	57.016	4.576	21.260	28.325

第32-2表 愛山溪地域水質一覽表 (つづき)

NO	AZC 33		AZC 34		AZC 35		AZC 36	
	TEMP	784.000	590.000	742.000	812.000	872.000	912.000	
PH(CFD)	6.60	6.50	6.25	6.25	5.90	6.00	6.003	
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	15.000	0.384	11.500	0.294	8.700	0.223	9.600	
NA	180.000	7.830	82.500	3.589	120.000	5.568	130.000	
NH4								
CA	119.700	5.973	45.000	2.245	33.500	1.676	89.600	
MG	5.460	0.449	10.800	0.689	9.280	0.764	12.880	
FE	1.200	0.043	0.180	0.006	2.430	0.087	7.800	
MN	1.400	0.051	0.520	0.019	0.660	0.024	1.360	
ZN	0.034	0.001	0.030	0.001	0.085	0.003	0.120	
CU	0.030	0.001	-	-	0.043	0.001	0.080	
PB	0.0	-	-	-	0.0	-	0.0	
AL	-	-	5.300	0.589	7.940	0.883	5.740	
CL	14.200	0.401	6.900	0.195	24.850	0.701	17.750	
BR	-	-	-	-	-	-	-	
I	0.210	0.011	0.130	0.007	0.380	0.020	0.480	
OH	-	-	-	-	-	-	-	
S04	177.700	3.700	127.100	2.646	78.160	1.627	210.200	
S203	-	-	-	-	-	-	-	
CO3	658.800	10.798	290.100	4.755	420.900	6.899	488.000	
H2S	-	-	-	-	-	-	-	
S102 (MG/KG)(MPO/L/KG)	46.466	0.774	61.544	1.025	81.469	1.356	96.470	
H802	20.100	0.459	13.300	0.304	15.680	0.358	17.900	
H3P04	0.163	0.002	1.123	0.011	0.204	0.002	0.163	
H4S02	0.026	0.000	0.009	0.000	0.006	0.000	0.009	
CO2	374.000	8.497	290.000	6.589	264.000	5.998	206.800	
H2S	38.200	1.121	23.700	0.696	10.200	0.299	2.400	
RN (RE-10 CURIE/L)								
NA/K	20.407	12.200	25.020	24.445	24.445	24.445	24.445	
CA/(HC03+CO3)	0.553	0.472	0.263	0.263	0.263	0.263	0.263	
MG/CA	0.075	0.396	0.456	0.456	0.456	0.456	0.456	
NA/CA	1.311	1.598	3.322	3.322	3.322	3.322	3.322	
CL/(HC03+CO3)	0.037	0.041	0.102	0.102	0.102	0.102	0.102	
CL/F	36.237	28.444	35.045	35.045	35.045	35.045	35.045	
CL*100/(CL+S04+HC03+CO3)	2.689	2.563	7.598	7.598	7.598	7.598	7.598	
S04*100/(CL+S04+HC03+CO3)	24.834	34.830	17.636	17.636	17.636	17.636	17.636	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	72.478	62.599	74.766	74.766	74.766	74.766	74.766	
(NA+K)*100/(NA+K+CA+MG)	56.120	55.335	70.356	70.356	70.356	70.356	70.356	
CA*100/(NA+K+CA+MG)	40.810	52.000	20.365	20.365	20.365	20.365	20.365	
MG*100/(NA+K+CA+MG)	3.070	12.665	9.278	9.278	9.278	9.278	9.278	
(CL+S04)*100/(CL+S04+HC03+CO3)	27.522	37.401	25.234	25.234	25.234	25.234	25.234	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	72.478	62.599	74.766	74.766	74.766	74.766	74.766	
(NA+K)*100/(NA+K+CA+MG)	56.120	55.335	70.356	70.356	70.356	70.356	70.356	
(CA+MG)*100/(NA+K+CA+MG)	43.880	44.665	29.644	29.644	29.644	29.644	29.644	

第32-2表 愛山溪地域水質一覽表 (つづき)

NO	AZC 37		AZC 38		AZC 39		AZC 40	
	TEMP	705.0	59.0	611.000	75.0	409.000	70.0	622.500
PH(FD)		6.50	6.80		7.80	7.80		7.80
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	7.800	0.200	5.000	0.128	5.900	0.151	12.800	0.327
NA	155.000	6.742	120.000	5.220	118.500	5.155	136.000	5.916
NAH								
CA	68.900	3.638	69.600	3.473	11.000	0.549	41.100	2.051
MG	12.200	1.004	18.400	1.514	4.980	0.577	3.300	0.436
FE	1.120	0.040	2.170	0.078	0.100	0.004	0.630	0.023
MN	1.620	0.059	0.870	0.032	0.340	0.012	0.660	0.024
ZN	0.080	0.002	0.020	0.001	0.020	0.001	0.052	0.002
CU	0.030	0.001	0.020	0.001	0.020	0.001	0.020	0.001
PB	0.0	-	0.0	-	0.030	0.000	0.0	-
AL	5.230	0.582	0.0	-	7.300	0.812	4.500	0.500
CL	19.500	0.550	6.700	0.189	49.700	1.402	67.400	1.901
BR								
I								
F	0.390	0.021	0.012	0.001	0.460	0.024	1.330	0.070
OH								
SO4	176.000	3.664	280.500	5.840	141.100	2.938	145.200	3.023
S2O3								
HCO3	469.700	7.698	268.400	4.399	164.700	2.699	259.400	4.252
CO3								
S102 (MG/KG)(MMOL/KG)								
H802	49.004	0.816	127.011	2.115	83.007	1.382	102.471	1.706
M904	17.900	0.408	13.400	0.306	35.800	0.817	22.400	0.511
HAS02	0.163	0.002	0.128	0.001	0.204	0.002	0.582	0.006
C02	0.0	-	0.008	0.000	0.253	0.002	1.054	0.010
H2S	167.200	3.799	224.400	5.098	14.900	0.339	14.900	0.339
H2S	6.970	0.205	32.900	0.966	-	-	5.400	0.15A
HN (#E-10 CURIE/L)								
NA7K	33.793	40.813	34.155	18.068				
CA7(HCO3+CO3)	0.447	0.789	0.203	0.482				
MG/CA	0.292	0.436	0.687	0.213				
NA/CA	1.961	1.503	9.391	2.885				
CL7(HCO3+CO3)	0.071	0.043	0.519	0.447				
CL/F	26.795	299.213	57.901	27.158				
CL*100/(CL+SO4+HCO3+CO3)	4.618	1.812	19.918	20.721				
SO4*100/(CL+SO4+HCO3+CO3)	30.760	56.003	41.734	32.945				
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	64.623	42.185	38.349	46.334				
(NA+K)*100/(NA+K+CA+MG)	60.980	51.745	85.143	71.513				
CA*100/(NA+K+CA+MG)	30.201	33.604	8.809	23.491				
MG*100/(NA+K+CA+MG)	8.819	14.650	6.048	4.990				
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	35.377	57.815	61.651	53.666				
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	64.623	42.185	38.349	46.334				
(NA+K)*100/(NA+K+CA+MG)	60.980	51.745	85.143	71.513				
(CA+MG)*100/(NA+K+CA+MG)	39.020	48.255	14.857	28.487				

第32-2表 泰山溪流域水質一覽表 (つづき)

NO	AZC 41	AZC 42	AZC 43	AZC 44
TEMP	55.0	68.0	48.0	62.5
TSM	572,000	967,000	543,000	515,000
PH(FD)	7.40	2.00	8.00	7.60
PH(LB)	-	-	-	-
H (HG/KG) (MVAL/KG)	1,520	1,508	-	-
K	13,200	32,000	10,000	10,000
NA	156,000	134,000	138,000	150,000
NH4	-	-	6,003	6,256
CA	12,500	42,200	22,000	18,990
Mg	0.140	36,800	3,193	0.066
FE	0.200	1,600	0.057	1.040
MN	0.760	1,000	0.160	0.240
ZN	0.036	0.0	0.036	0.009
CU	0.010	0.0	0.0	0.008
Pb	-	0.0	0.010	0.002
AL	5,100	16,200	2,001	4,800
CL	85,200	333,000	60,000	71,000
BR	-	-	1,693	2,003
F	1,160	0,600	0,160	0,033
OH	-	-	-	-
SO4	102,800	355,492	148,000	209,000
S2O3	-	-	-	4,351
HCO3	227,400	3,727	293,000	120,000
CO3	-	-	4,802	1,967
SiO2 (HG/KG) (MMOL/KG)	99,470	54,620	110,779	44,389
H8O2	26,800	35,800	0,817	0,739
H3PO4	0,858	0,112	1,324	0,714
HASO2	0,284	0,105	0,102	0,001
CO2	42,500	264,000	0,780	0,0
H2S	2,550	89,000	0,0	17,600
RM (#E-10 CURIE/L)	-	-	0,185	0,020
NA/K	28,097	7,121	23,668	25,508
CA/(HCO3+CO3)	0,167	-	0,229	0,482
Mg/CA	0,018	1,516	0,225	0,090
NA/CA	10,879	2,768	5,468	6,886
CL/(HCO3+CO3)	0,645	-	0,352	1,018
CL/F	39,361	297,427	200,964	61,370
CL*100/(CL+S04+HCO3+CO3)	29,060	-	17,675	24,070
S04*100/(CL+S04+HCO3+CO3)	25,878	-	32,177	52,293
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45,063	-	50,148	23,656
(NA+K)*100/(NA+K+CA+MG)	91,812	55,646	82,315	86,778
CA*100/(NA+K+CA+MG)	8,039	17,627	14,438	12,127
Mg*100/(NA+K+CA+MG)	0,168	26,727	3,247	1,095
(CL+S04)*100/(CL+S04+HCO3+CO3)	54,937	-	49,852	76,364
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	45,063	-	50,148	23,656
(NA+K)*100/(NA+K+CA+MG)	91,812	55,646	82,315	86,778
(CA+MG)*100/(NA+K+CA+MG)	8,188	44,354	17,685	13,222

第32-2表 愛山溪地域水質一覽表 (つづき)

	AZC 45	AZC 46	AZC 47	AZC 48
NO				
TEMP	51.0	86.0	46.0	55.0
TSM	693.900	597.000	1597.200	970.000
PH(FD)	6.60	6.60	7.80	2.80
PH(LB)				
H (MG/KG)(MVAL/KG)				
K	12.000	0.307	7.700	0.197
NA	148.500	6.460	132.000	5.742
NH4			43.000	1.100
CA	25.200	1.257	25.700	1.437
MG	11.500	0.946	9.710	0.799
FE	1.180	0.042	0.340	0.012
MN	1.680	0.061	0.243	0.009
ZN			0.020	0.001
CU			0.008	0.000
PB			0.009	0.000
AL	3.510	0.390	3.970	0.441
CL	35.500	1.001	10.600	0.299
BR			102.900	2.903
I				
F	0.700	0.037	0.290	0.015
DH			0.370	0.019
S04	78.200	1.628	42.300	0.881
S203			383.800	7.991
HCO3	414.800	6.799	445.300	7.298
CO3			790.100	12.950
S102 (MG/KG)(MMOL/KG)	87.316	1.454	33.465	0.557
H802	40.300	0.920	13.400	0.306
H304			0.133	0.001
H402	0.0		0.027	0.000
C02	246.400	5.598	140.800	3.199
H25	3.100	0.091	7.140	0.210
RN (#E-10 CURIE/L)				
NA/K	21.044	29.152	13.225	7.646
CA/(HCO3+CO3)	0.185	0.176	0.111	0.0
MG/CA	0.753	0.623	4.289	0.552
NA/CA	5.137	4.477	10.122	2.374
CL/(HCO3+CO3)	0.147	0.041	0.224	0.0
CL/F	27.178	19.588	149.039	146.343
CL*100/(CL+S04+HCO3+CO3)	10.622	3.527	12.175	48.148
S04*100/(CL+S04+HCO3+CO3)	17.269	10.388	33.514	51.852
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	72.109	86.085	54.312	0.0
(NA+K)*100/(NA+K+CA+MG)	75.433	74.048	67.305	63.359
CA*100/(NA+K+CA+MG)	14.018	15.990	6.182	23.604
MG*100/(NA+K+CA+MG)	10.549	9.963	26.513	13.036
(CL+S04)*100/(CL+S04+HCO3+CO3)	27.891	13.915	45.688	100.000
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	72.109	86.085	54.312	0.0
(NA+K)*100/(NA+K+CA+MG)	75.433	74.048	67.305	63.359
(CA+MG)*100/(NA+K+CA+MG)	24.567	25.952	32.695	36.641

第32-2表 愛山溪地域水質一覽表 (つづき)

NO	AZC 49		AZC 50		AZC 51		AZC 52																																									
	TEMP	TSM	PH(EB)	PH(LB)	H (MG/KG) (MVAL/KG)	K	NA	NH ₄	CA	MG	FE	MN	ZN	CU	PB	AL	CL	BR	I	F	OH	SO ₄	SO ₃	HCO ₃	CO ₃	SIO ₂	HB02	H3PO4	HASO2	CO2	H2S	RN (#E-10 CURIE/L)	NA/K	CA/(HCO ₃ +CO ₃)	MG/CA	NA/CA	CL/(HCO ₃ +CO ₃)	SO ₄	SO ₄ *100/(CL+SO ₄ +HCO ₃ +CO ₃)	(HCO ₃ +CO ₃)*100/(CL+SO ₄ +HCO ₃ +CO ₃)	(NA+K)*100/(NA+K+CA+MG)	CA*100/(NA+K+CA+MG)	MG*100/(NA+K+CA+MG)	(CL+SO ₄)*100/(CL+SO ₄ +HCO ₃ +CO ₃)	(HCO ₃ +CO ₃)*100/(CL+SO ₄ +HCO ₃ +CO ₃)	(NA+K)*100/(NA+K+CA+MG)	(CA+MG)*100/(NA+K+CA+MG)	
	48.0	502.000	2.50	2.50	10.080	5.100	8.000	10.000	21.400	12.100	9.600	0.265	0.030	0.010	0.023	20.700	117.100	0.380	0.020	0.020	0.014	814.101	0.0	0.0	0.0	11.001	17.900	0.051	0.112	220.000	136.000		6.377	0.0	0.411	1.426	0.0	1.65.143	36.526	63.444	0.0	53.894	32.676	13.430	100.000	0.0	53.894	46.106
	92.0	2413.500	5.10	5.10	10.000	0.130	4.000	1.068	13.500	0.996	0.344	0.010	0.000	0.000	0.000	5.000	3.500	0.130	0.007	0.007	143.000	24.400	0.0	0.0	6.001	17.900	0.003	0.000	35.200	2.380		19.131	0.0	0.932	0.326	-	18.822	42.008	39.170	88.495	11.505	71.076	23.245	5.679	88.495	11.505	71.076	28.924
	96.0	554.000			4.340	0.064	5.000	0.067	12.000	0.165	0.013	0.0	0.021	0.0	9.340	14.200	0.060	0.060	2.977	0.400	491.653	0.0	0.0	0.0	49.466	26.800	0.013	0.032	506.000	14.600		2.041	0.0	0.275	0.218	0.0	0.032	126.851	3.766	96.234	0.0	20.301	62.516	17.183	100.000	0.0	20.301	79.699

第32-2表 愛山溪地域水質一覽表 (つづき)

	AZC 53	AZC 54	AZC 55	AZC 56
NO	95.0		44.0	46.0
TEMP	713.000	1713.500	1797.000	1943.000
TSM	6.60	6.60	8.00	8.00
PH(1F)				
PH(1B)				
H (MG/KG) (MV/L/KG)				
K	11.000	0.281	0.894	0.197
NA	61.000	34.960	181.593	7.700
NH4		427.430		147.200
CA	70.000	85.400	4.261	247.600
MG	22.000	20.500	1.687	101.400
FE	3.820	0.630	0.023	0.090
MN	0.675	0.0	0.110	0.003
ZN	0.663	0.025	1.640	3.300
CU	0.028	0.002	0.060	0.120
PB	0.0	0.001	-	-
AL	16.000	1.779	0.064	3.900
CL	17.500	0.580	0.434	0.434
BR		285.270	8.047	289.600
I				
F	0.0	-	0.125	0.220
OH				
SO4	432.000	633.300	13.185	624.700
S2O3				
HCO3	43.000	232.950	318.000	406.400
CO3				
SiO2 (MG/KG) (MMOL/KG)	27.464	205.788	3.426	168.938
HPO4	33.600	0.767	2.813	168.938
H3PO4	0.908	0.096	4.200	4.200
HASO2	0.032	2.328	0.061	0.225
CO2	26.000	0.000	0.0	0.0
H2S	0.680	0.591	-	-
RN (E-10 CURIE/L)				
NA7K	9.430	26.761	39.996	32.509
CA/(HCO3+CO3)	4.956	1.116	2.374	1.455
MG/CA	0.518	0.396	0.485	0.675
NA/CA	0.760	4.363	0.637	0.518
CL/(HCO3+CO3)	0.700	2.108	1.605	1.227
CL/F	0.0	0.0	1271.594	705.952
CL*100/(CL+SO4+HCO3+CO3)	4.843	32.125	31.064	29.363
SO4*100/(CL+SO4+HCO3+CO3)	88.242	52.634	49.584	46.714
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	6.914	15.241	19.350	23.924
(NA+K)*100/(NA+K+CA+MG)	35.625	76.614	30.530	24.17
CA*100/(NA+K+CA+MG)	42.400	16.754	46.789	45.258
MGR*100/(NA+K+CA+MG)	21.975	6.032	22.681	30.565
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	93.086	84.759	80.650	76.076
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	6.914	15.241	19.350	23.924
(NA+K)*100/(NA+K+CA+MG)	35.625	76.614	30.530	24.177
(CA+MG)*100/(NA+K+CA+MG)	64.375	23.386	69.470	75.823

第 32-2 表 愛山溪流域水質一覽表 (つづき)

NO	AZC 57	AZC 58	AZC 59	AZC 60
TEMP	1760.000	51.0	57.0	46.0
TSM	1598.000	1135.000	1853.000	6.30
PH(PD)	6.55	5.80	6.00	6.30
PH(LB)				
H (MG/KG) (MVAL/KG)	24.500	29.500	0.755	17.000
K	100.000	198.000	8.613	40.000
NA				
NH4				
CA	237.500	206.900	10.324	115.000
MG	84.600	14.600	1.201	41.000
FE	0.070	0.300	0.011	11.000
MN	6.900	6.200	0.226	0.0
ZN		0.050	0.002	0.0
CU		0.025	0.001	TR.
PB		0.010	0.000	0.0
AL	2.500	2.600	0.289	47.000
CL	253.800	230.700	6.508	92.000
BR				
I				
F	0.100	0.440	0.023	0.520
OH				
S04	687.800	560.300	11.665	459.000
S203				
HCO3	171.100	202.000	5.311	280.000
C03				
SI02 (MG/KG) (MMOL/KG)	140.013	208.480	3.471	150.783
H802	35.900	13.400	0.306	38.000
H3P04	0.817	0.510	0.005	1.991
HAS02	0.0	0.050	0.000	0.111
C02		143.000	5.249	288.000
H2S		0.0	1.060	100.000
RN (#E-10 CURIE/L)				
NA/K	6.921	11.414	4.001	7.881
CA/(HCO3+CO3)	4.226	3.118	1.250	1.216
MG/CA	0.587	0.116	0.588	0.447
NA/CA	0.367	0.834	0.303	0.969
CL/(HCO3+CO3)	2.553	1.966	0.566	1.186
CL/F	1360.125	280.984	94.814	
CL*100/(CL+S04+HCO3+CO3)	29.483	40.292	15.503	27.998
S04*100/(CL+S04+HCO3+CO3)	58.969	56.298	57.084	48.402
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.548	15.410	27.413	23.601
(NA+K)*100/(NA+K+CA+MG)	20.920	44.835	19.268	42.990
CA*100/(NA+K+CA+MG)	49.617	46.414	50.841	39.386
MG*100/(NA+K+CA+MG)	29.264	5.750	29.891	17.624
(CL+S04)*100/(CL+S04+HCO3+CO3)	88.452	86.590	72.587	76.399
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.548	15.410	27.413	23.601
(NA+K)*100/(NA+K+CA+MG)	20.920	44.835	19.268	42.990
(CA+MG)*100/(NA+K+CA+MG)	79.020	55.165	80.732	57.010

第 32-2 表 愛山溪地域水質一覽表 (つづき)

NO	AZC 61		AZC 62		AZC 63		AZC 64	
	TEMP	45.0	51.0	54.1	50.0	50.0	50.0	50.0
TSM	1674.000	1600.000	2486.000	2239.000	2239.000	2239.000	2239.000	2239.000
PHILD)	6.10	5.88	6.80	6.50	6.50	6.50	6.50	6.50
H (MG/KG)(MVAL/KG)								
K	36.000	0.921	34.000	0.870	70.400	1.801	62.000	1.586
NA	157.000	6.829	113.000	4.915	331.000	15.268	263.000	11.440
NH4								
CA	157.000	7.834	170.000	6.483	212.700	10.614	196.000	9.780
MG	60.100	4.946	60.100	4.946	121.800	10.023	52.200	4.296
FE	0.300	0.011	0.020	0.001	4.800	0.165	3.100	0.111
MN	3.400	0.124	6.900	0.251	0.650	0.024	-	-
ZN					0.002	0.000	-	-
CU					0.001	0.000	-	-
PB					0.0	-	-	-
AL	3.000	0.354	5.000	0.556	2.482	0.276	2.000	0.222
CL	262.000	7.391	254.000	7.165	418.900	11.817	305.000	8.604
BR								
I								
F					0.440	0.023	-	-
DH								
S04	553.000	11.513	555.000	11.555	798.900	16.633	723.000	15.053
S2O3								
HCO3	406.000	6.654	221.000	3.622	501.900	9.701	633.000	10.375
C03								
SI02 (MG/KG)(MMQL/KG)	144.628	2.408	193.094	3.215	169.248	3.151	169.246	2.818
H802	14.000	0.319	17.000	0.388	30.660	0.700	16.000	0.365
H3P04					0.153	0.002	-	-
HAS02					0.065	0.001	-	-
C02	44.000	1.000	64.000	1.454	242.000	5.498	-	-
H2S					1.564	0.046	-	-
RN (#E-10 CURIE/L)								
NA/K	7.416	5.652				8.479		7.214
CA/(HCO3+CO3)	1.177	2.462				1.094		0.943
MG/CA	0.651	0.583				0.944		0.459
NA/CA	0.872	0.579				1.439		1.170
CL/(HCO3+CO3)	1.111	1.978				1.218		0.829
CL/F						510.205		-
CL*100/(CL+S04+HCO3+CO3)	28.918		32.070			30.974		25.282
S04*100/(CL+S04+HCO3+CO3)	45.047		51.718			43.597		44.252
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	26.035		16.212			25.428		30.486
(NA+K)*100/(NA+K+CA+MG)	37.751		50.110			45.270		48.064
CA*100/(NA+K+CA+MG)	38.160		44.150			28.149		36.087
MG*100/(NA+K+CA+MG)	24.089		25.740			26.582		15.849
(CL+S04)*100/(CL+S04+HCO3+CO3)	73.965		63.788			74.572		69.514
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	26.035		16.212			25.428		30.486
(NA+K)*100/(NA+K+CA+MG)	37.751		50.110			45.270		48.064
(CA+MG)*100/(NA+K+CA+MG)	62.249		69.890			54.730		51.936

第32-2表 愛山溪流域水質一覽表 (つづき)

NO	AZC 69		AZC 70		AZC 71		AZC 72	
	TEMP	92.8	52.8	45.6	46.0	TEMP	1504.000	46.0
TSM	4316.000	1067.000	1489.000	1504.000	1504.000	1504.000	1504.000	1504.000
PH(FD)	0.46	5.98	6.10	6.40	6.40	6.40	6.40	6.40
PH(LB)	-	7.50	7.90	8.00	8.00	8.00	8.00	8.00
H (MG/KG)(MVAL/KG)	-	-	-	-	-	-	-	-
K	33.500	0.857	17.200	0.440	23.800	0.609	25.500	0.652
NA	61.600	2.680	75.500	3.276	106.100	4.615	106.400	4.628
NH4	-	-	-	-	-	-	-	-
CA	160.800	8.024	124.500	6.213	170.900	8.528	172.400	8.603
MG	50.600	4.164	44.200	3.637	71.600	5.892	81.800	6.731
FE	308.500	11.047	4.580	0.164	0.030	0.001	0.030	0.001
MN	0.320	0.012	1.330	0.048	3.380	0.123	3.350	0.122
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	206.800	22.994	0.070	0.008	0.100	0.011	0.090	0.010
CL	-	-	92.300	2.604	244.800	6.906	248.400	7.007
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	0.0	-	0.480	0.025	0.200	0.011	0.230	0.012
OH	-	-	-	-	-	-	-	-
S04	2919.000	60.774	394.200	8.207	481.000	10.014	494.900	10.304
S2O3	-	-	-	-	-	-	-	-
HCO3	0.0	-	154.300	2.529	167.800	2.750	179.300	2.939
CO3	-	-	-	-	-	-	-	-
S1O2 (MG/KG)(MMOL/KG)	303.481	5.053	174.089	2.899	160.390	2.670	163.089	2.715
HBO2	703.400	16.052	29.100	0.664	11.500	0.262	12.300	0.281
H3PO4	-	-	-	-	-	-	-	-
NA5O2	0.379	0.004	-	-	0.023	0.000	0.013	0.000
CO2	0.0	-	187.000	4.249	107.400	2.440	68.600	1.559
H2S	0.0	-	0.001	0.000	0.0	-	0.030	0.001
RN (#E-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	3.127	7.445	7.581	7.581	7.581	7.581	7.581	7.581
CA/(HC03+CO3)	0.0	2.457	3.101	3.101	3.101	3.101	3.101	3.101
MG/CA	0.519	0.585	0.691	0.782	0.691	0.782	0.691	0.782
NA/CA	0.354	0.527	0.541	0.548	0.541	0.548	0.541	0.548
CL/(HC03+CO3)	-	1.030	2.511	2.511	2.511	2.511	2.511	2.511
CL/F	-	103.050	653.947	653.947	653.947	653.947	653.947	653.947
CL*100/(CL+S04+HCO3+CO3)	-	19.519	35.107	35.107	35.107	35.107	35.107	35.107
S04*100/(CL+S04+HCO3+CO3)	-	61.524	50.911	50.911	50.911	50.911	50.911	50.911
(HC03+CO3)*100/(CL+S04+HCO3+CO3)	-	18.958	13.982	13.982	13.982	13.982	13.982	13.982
(NA+K)*100/(NA+K+CA+MG)	22.491	27.390	26.504	26.504	26.504	26.504	26.504	26.504
CA*100/(NA+K+CA+MG)	51.029	45.797	43.412	43.412	43.412	43.412	43.412	43.412
MG*100/(NA+K+CA+MG)	26.480	26.813	29.994	29.994	29.994	29.994	29.994	29.994
(CL+S04)*100/(CL+S04+HCO3+CO3)	-	81.042	86.018	86.018	86.018	86.018	86.018	86.018
(HC03+CO3)*100/(CL+S04+HCO3+CO3)	-	18.958	13.982	13.982	13.982	13.982	13.982	13.982
(NA+K)*100/(NA+K+CA+MG)	22.491	27.390	26.504	26.504	26.504	26.504	26.504	26.504
(CA+MG)*100/(NA+K+CA+MG)	77.509	72.610	73.406	73.406	73.406	73.406	73.406	73.406

第 32-2 表 愛山溪流域水質一覽表 (つづき)

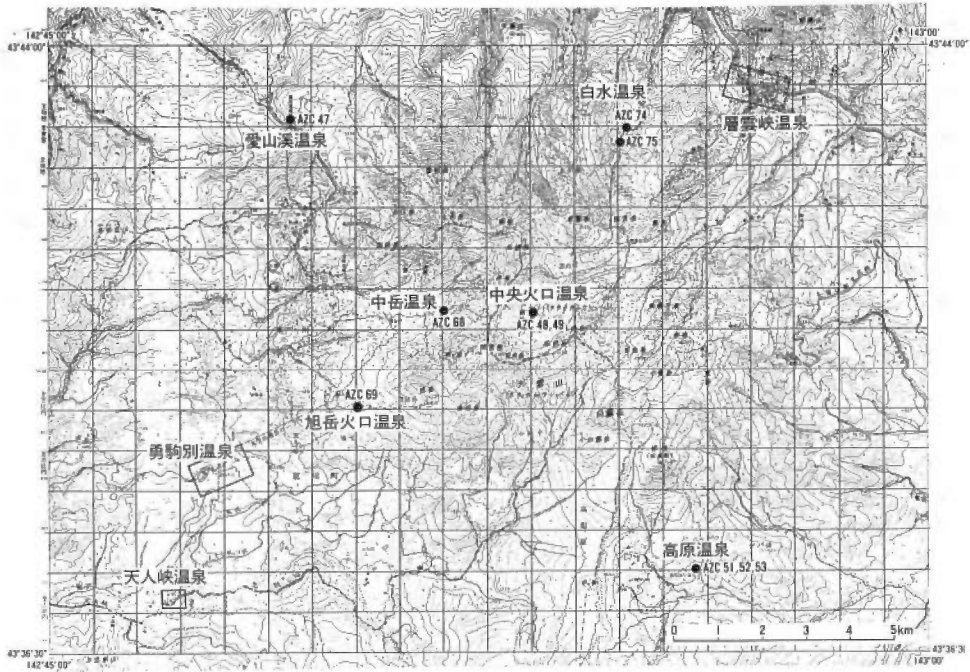
NO	AZC 73		AZC 74		AZC 75	
	43.6	95.6	75.5	1163.000	75.5	1163.000
TSM	1568.000	1244.000	1244.000	1163.000	1163.000	1163.000
PH(FD)	5.80	7.80	7.80	6.70	6.70	6.70
PH(CLB)	7.90	-	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-	-	-
K	27.500	0.703	6.200	0.159	12.200	0.312
NA	112.800	4.907	82.200	3.576	82.500	3.569
NH4	-	-	-	-	-	-
CA	157.600	7.864	114.600	5.719	141.300	7.051
Mg	82.400	6.781	26.200	2.156	43.800	3.604
FE	0.010	0.000	0.130	0.005	0.090	0.003
MN	5.300	0.193	-	-	-	-
ZN	-	-	-	-	-	-
CU	-	-	-	-	-	-
PB	-	-	-	-	-	-
AL	0.100	0.011	-	-	-	-
CL	256.900	7.247	9.200	0.260	3.800	0.107
BR	-	-	-	-	-	-
I	-	-	-	-	-	-
F	0.190	0.010	-	-	-	-
OH	-	-	-	-	-	-
S04	498.500	10.375	725.000	15.094	500.000	10.410
S203	-	-	-	-	-	-
HC03	176.900	2.899	384.000	6.294	476.000	7.802
C03	-	-	-	-	-	-
SiO2 (MG/KG)(MMOL/KG)	167.589	2.790	152.706	2.543	146.244	2.435
H802	19.500	0.445	-	-	-	-
H3P04	-	-	-	-	-	-
HAS02	0.017	0.000	-	-	-	-
C02	180.400	4.099	64.700	1.470	138.600	3.149
H2S	0.0	-	-	-	-	-
RN (#E-10 CURIE/L)	-	-	-	-	-	-
NA/K	6.975	22.546	22.546	11.500	11.500	11.500
CA/(HC03+C03)	2.712	0.909	0.909	0.904	0.904	0.904
Mg/CA	0.862	0.377	0.377	0.511	0.511	0.511
NA/CA	0.624	0.625	0.625	0.509	0.509	0.509
CL/(HC03+C03)	2.500	0.041	0.041	0.014	0.014	0.014
CL/F	724.599	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	35.316	1.199	1.199	0.585	0.585	0.585
S04*100/(CL+S04+HC03+C03)	50.556	69.728	69.728	56.627	56.627	56.627
(HC03+C03)*100/(CL+S04+HC03+C03)	14.129	29.073	29.073	42.588	42.588	42.588
(NA+K)*100/(NA+K+CA+MG)	27.698	32.168	32.168	26.799	26.799	26.799
CA*100/(NA+K+CA+MG)	38.826	49.260	49.260	48.440	48.440	48.440
Mg*100/(NA+K+CA+MG)	33.476	18.572	18.572	24.762	24.762	24.762
(CL*S04)*100/(CL+S04+HC03+C03)	85.871	70.927	70.927	57.412	57.412	57.412
(HC03+C03)*100/(CL+S04+HC03+C03)	14.129	29.073	29.073	42.588	42.588	42.588
(NA+K)*100/(NA+K+CA+MG)	27.698	32.168	32.168	26.799	26.799	26.799
(CA+MG)*100/(NA+K+CA+MG)	72.302	67.832	67.832	73.201	73.201	73.201

第 32-3 表 愛山溪地域特定成分含量の頻度分布表

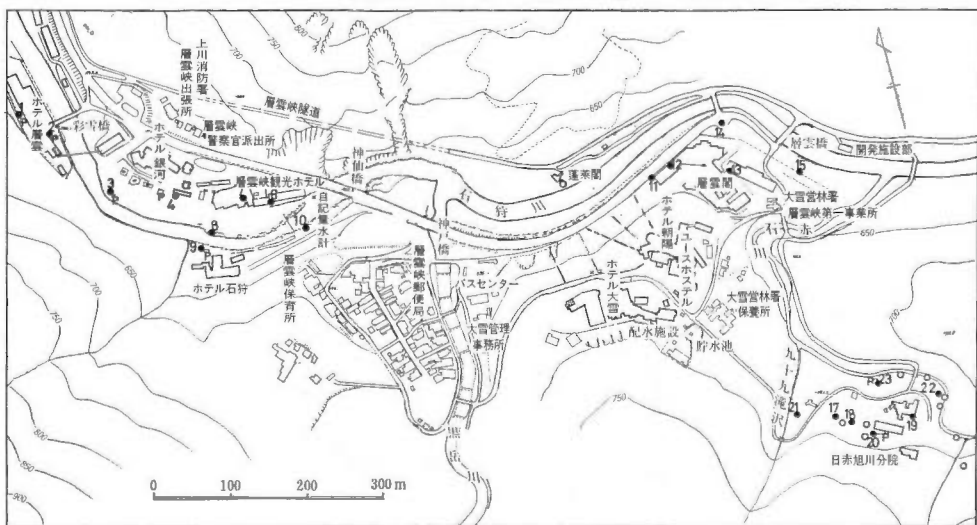
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

ZN				CU			
	N	F(%)	ND	N	F(%)	N	F(%)
ND	33	44.0	ND	37	49.3		
<0.500	42	56.0	<0.300	36	48.0		
<5.000	0	0.0	<3.000	2	2.7		
>5.000	0	0.0	>3.000	0	0.0		
TOTAL	75	100.0	TOTAL	75	100.0		
PB				AS			
	N	F(%)	ND	N	F(%)	N	F(%)
ND	38	50.7	ND	29	38.7		
<0.100	36	48.0	<0.050	33	44.0		
<1.000	1	1.3	<0.500	10	13.3		
>1.000	0	0.0	<5.000	3	4.0		
TOTAL	75	100.0	>5.000	0	0.0		
TOTAL	75	100.0	TOTAL	75	100.0		
H2S				N= NUMBER OF SAMPLES			
	N	F(%)	F= FREQUENCY(%)				
ND	20	26.7					
< 1.000	11	14.7					
< 10.000	30	40.0					
<100.000	13	17.3					
>100.000	1	1.3					
TOTAL	75	100.0					

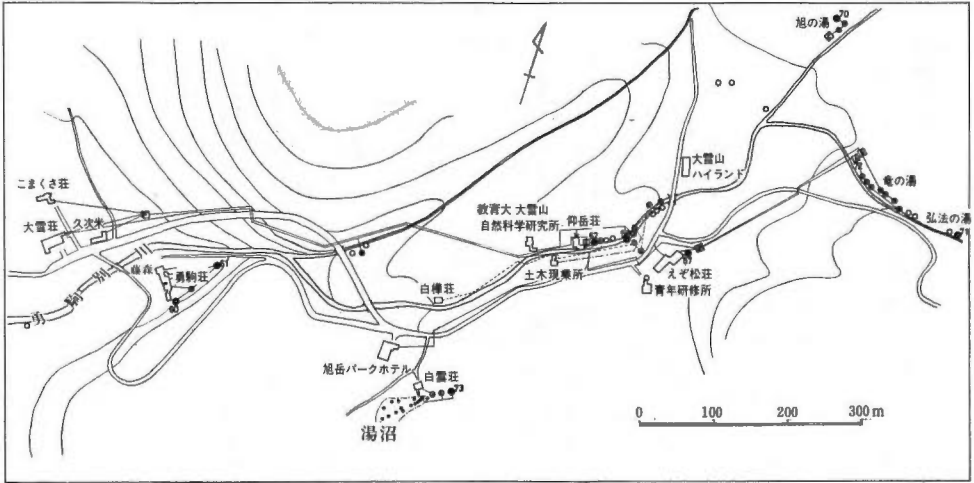
第32-1図 愛山溪地域の温泉分布及び試料採取地（この地図は、国土地理院発行の5万分の1地形図「大雪山」及び「旭岳」を使用したものである。）



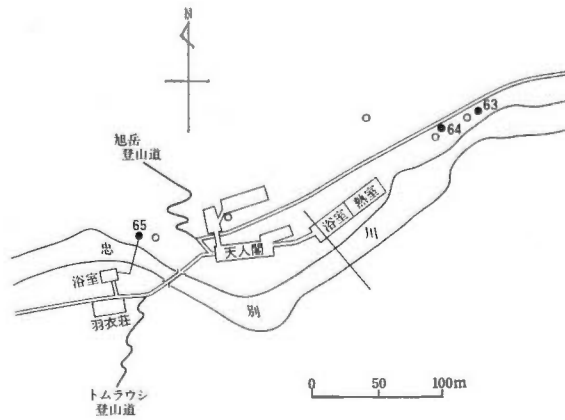
第32-2図 試料採取地（層雲峡温泉）



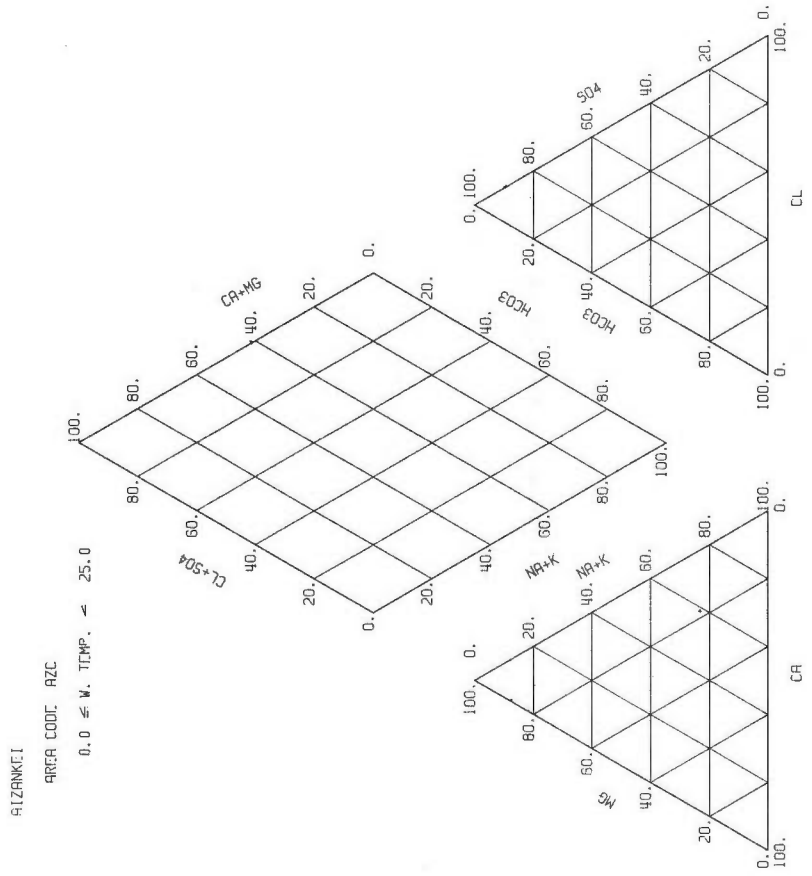
第32-3図 試料採取地（勇駒別温泉）



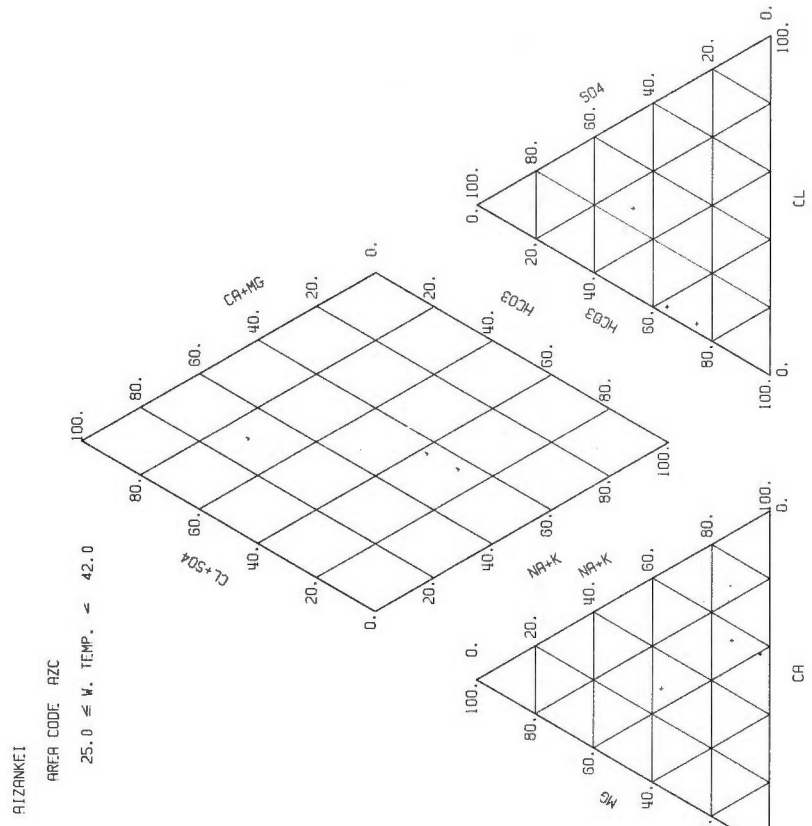
第32-4図 試料採取地（天人峽温泉）



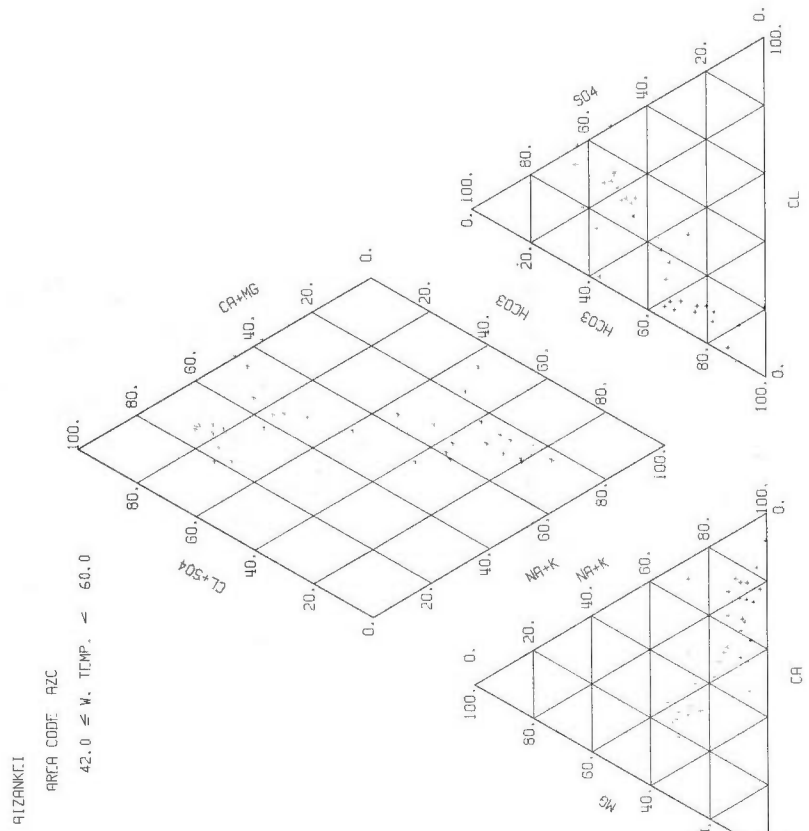
第 32-5 図 愛山溪地域水質組成図 (その 1) (水温25℃未満)



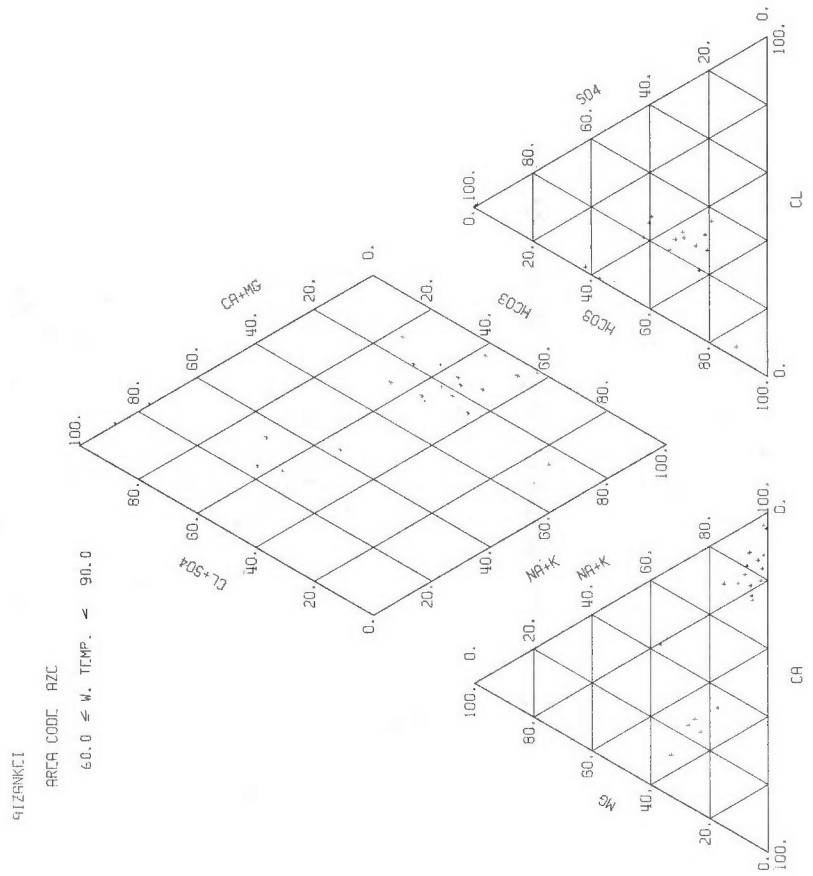
第 32-5 図 愛山溪地域水質組成図 (その 2) (水温25℃以上42℃未満)



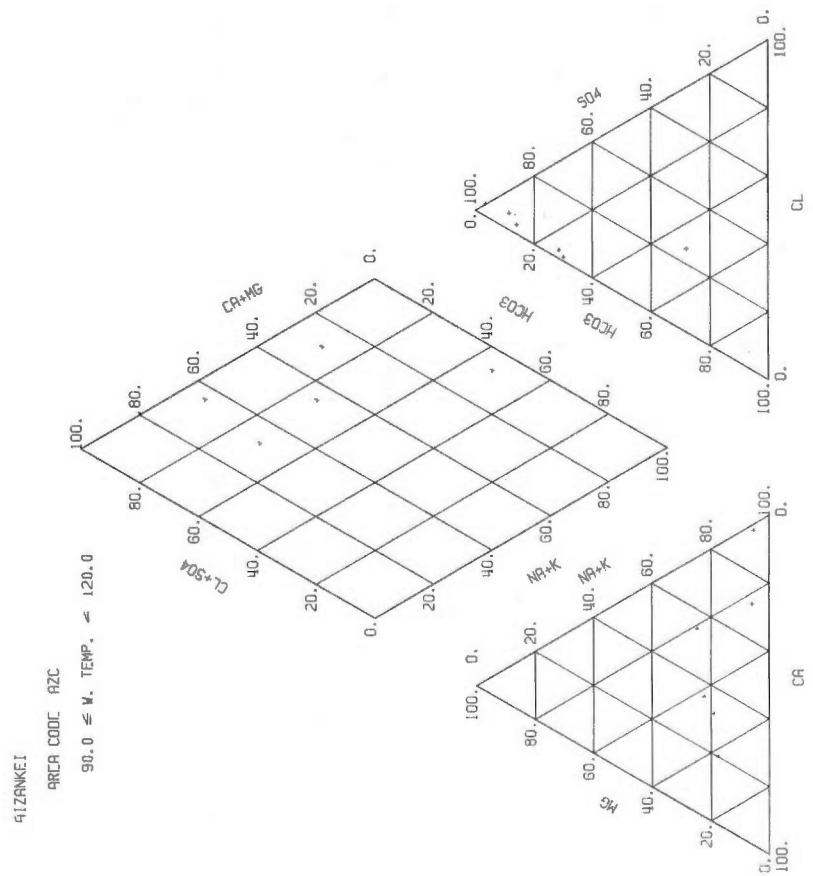
第 32-5 図 愛山溪地域水質組成図 (その 3) (水温42℃以上60℃未満)



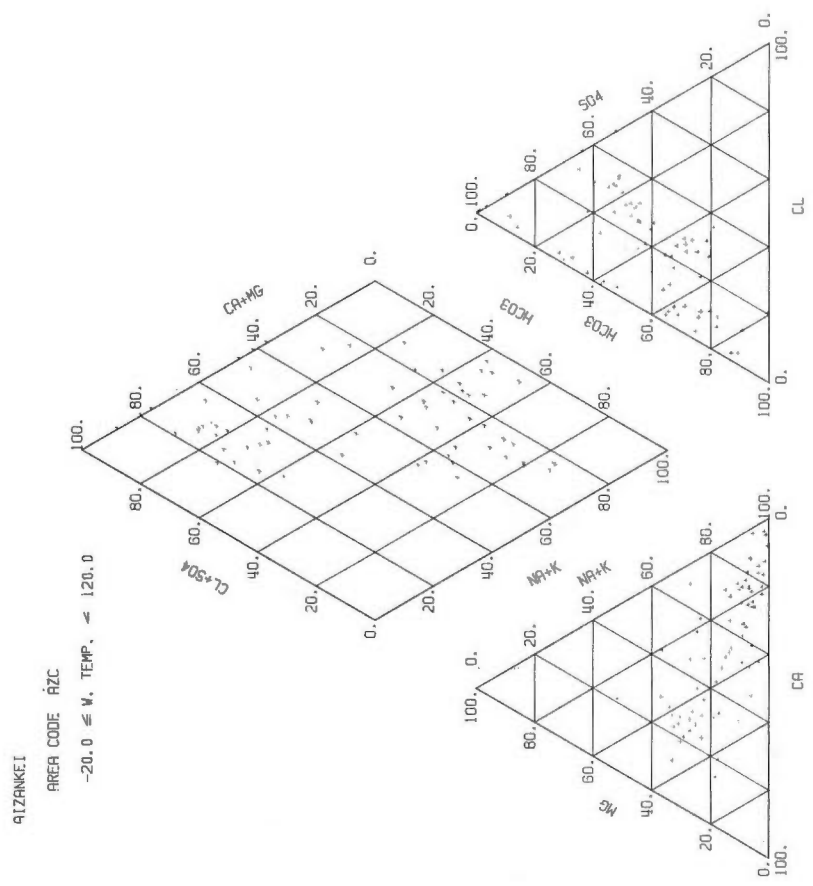
第 32-5 図 愛山溪地域水質組成図 (その 4) (水温60℃以上90℃未満)



第 32-5 図 愛山溪地域水質組成図 (その 5) (水温90℃以上120℃未満)

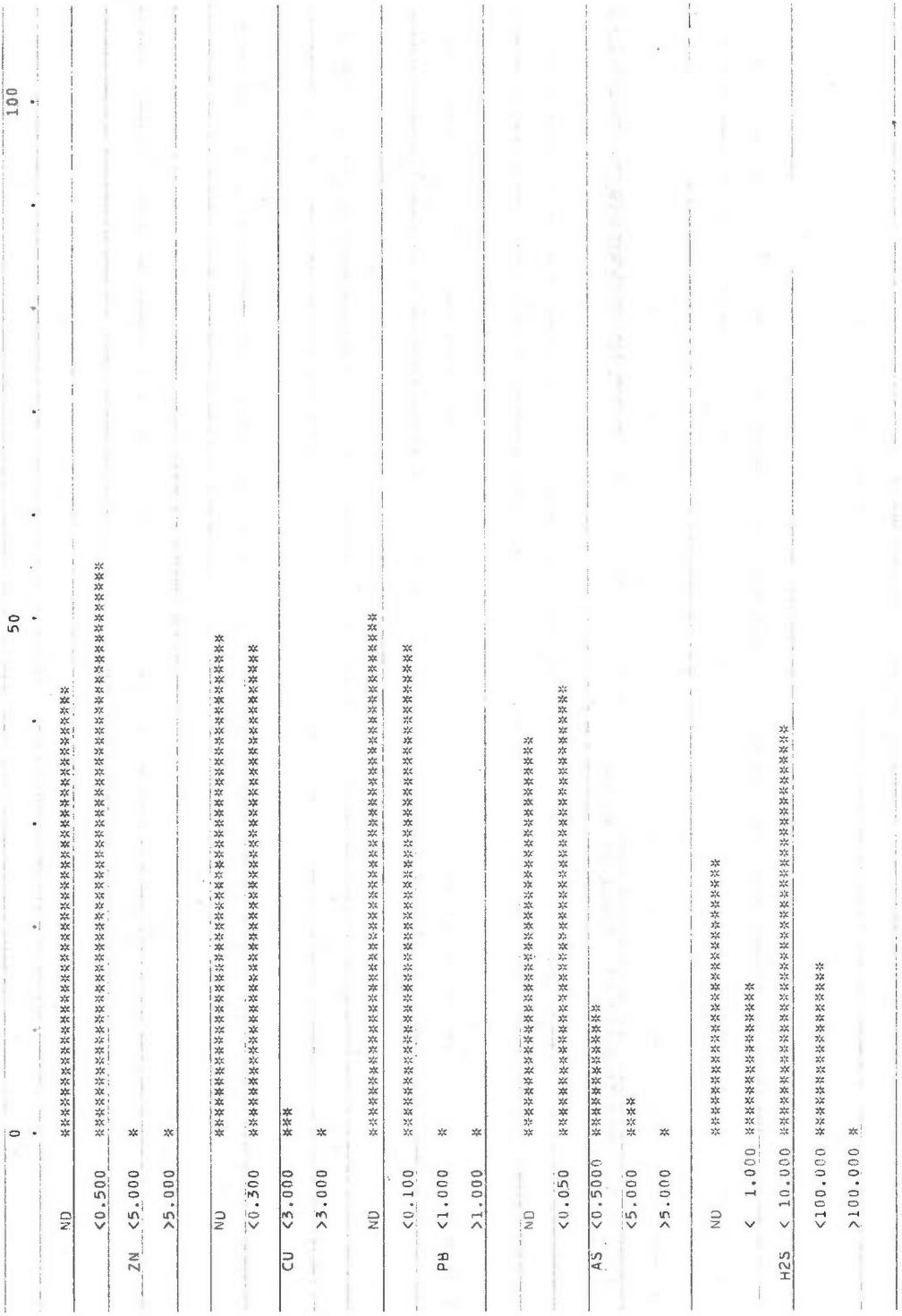


第 32-5 図 愛山溪地域水質組成図 (その 6) (全試料)



第32-6図 愛山溪地域特定成分含量の頻度分布図

FREQUENCY DIAGRAM

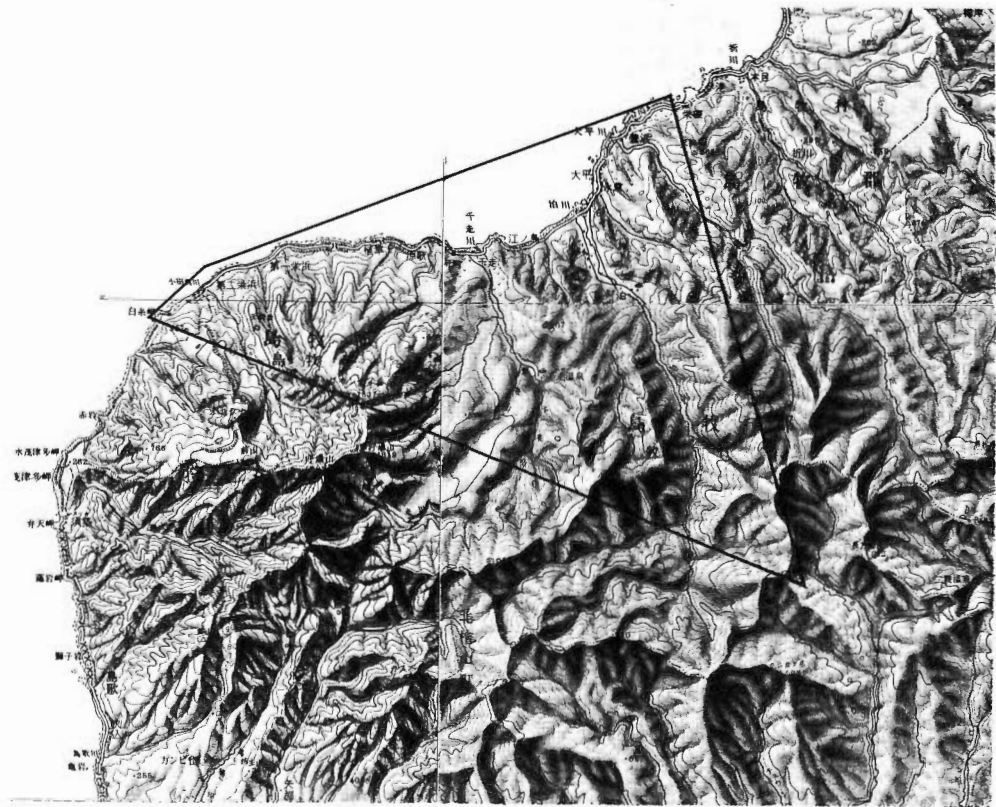


33. 大平山

Ohbirayama

位 置	北海道島牧郡島牧村
データ数	12
収集・整理	五十嵐昭明・比留川 貴
協 力	北海道衛生研究所, 同島牧郡島牧村

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「岩内」、「室蘭」、「久遠」を使用したものである）



第 33-1 表 大平山地域試料一覧表

No.	産地	温泉名	源泉名	源泉名	分析年月日	文献 No.	文献中の試料 No.	備考
OBC-1	北海道島牧郡島牧村字泊429	宮内	(中田仁悦)	(中田仁悦)	1956. 1. 25	9	衛研試第401	D=25.8m, Q=35l/m, F
"-2	"	(湯の崎)	(開発局)	(開発局)	(1965. 4)	40	A	D=0m, F
"-3	"	(北国)	(永豊)	(永豊)	(1965. 4)	"	D	D=15m
"-4	"	(永豊)	(永豊)	(永豊)	(1965. 4)	"	E	D=1.0m
"-5	"	(永豊)	(永豊)	(永豊)	1975. 5	10	87	D=700m, Q=82.8l/m, P
"-6	"	(宮内)	(高田輝勝)	(高田輝勝)	1975. 5	"	88	D=87m, Q=254l/m, F
"-7	"	(宮内)	(中田仁悦)	(中田仁悦)	1975. 5	"	89	D=25m, Q=60.5l/m, F
"-8	"	(黄泊)	(河鹿湯)	(河鹿湯)	1975. 11	"	90A	D=0m, Q=49.9l/m, F
"-9	"	(江の島)	村有井	村有井	1971. 12	9	46衛研委第1459 温190	D=500m, Q=240l/m, P
"-10	"	千走	千走	千走1号	1975. 5	10	91	D=10.5m, Q=57.2l/m, F
"-11	"	"	"	千走2号	1975. 5	"	92	D=13m, Q=12.8l/m, F
"-12	"	(栄浜)	モッタ海岸温泉	モッタ海岸温泉	1975. 5	"	93	D=270m, Q=80.9l/m, P

温泉名の()は、文献41に記載されていないもの、源泉名の()は分析依頼者、分析年月日の()は採水年月日、備考欄のDは深度(m)、Qは湧・排水量(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 33-2 表 大平山地域水質一覽表

NO	OBC 1	OBC 2	OBC 3	OBC 4
TEMP	46.0	15.4	10.4	14.3
TSM	1019.000	517.000	3269.000	1592.000
PH (FD)	7.40	4.10	6.90	7.30
PH (LB)	-	-	7.10	7.60
H (MG/KG)(MV/L/KG)				
K	3.200	0.082	10.000	0.256
H	238.200	10.562	75.000	3.263
NA	-	-	-	-
INH4	-	-	-	-
CA	35.000	1.747	23.500	1.173
MG	5.600	0.461	19.700	1.621
FE	0.110	0.004	0.690	0.025
MN	-	-	3.400	0.124
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	1.600	0.178	-	-
CL	28.100	0.793	127.800	3.605
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	88.900	1.851	162.000	3.373
S203	-	-	-	-
HCO3	621.500	10.186	0.0	-
CO3	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	59.928	0.998	42.596	0.709
HB02	0.0	-	-	-
H3P04	-	-	-	-
HAS02	-	-	-	-
CO2	39.900	0.907	250.400	5.689
H2S	0.0	-	-	-
RN (*E-10 CURIE/L)	-	-	-	-
INA/K	126.584	12.754	29.129	50.824
CA/(HCO3+CO3)	0.171	0.0	2.933	0.519
MG/CA	0.264	1.382	2.533	1.127
INA/CA	5.933	2.782	15.709	19.458
CL/(HCO3+CO3)	0.078	0.0	50.242	5.209
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	6.179	51.665	84.108	48.222
S04*100/(CL+S04+HCO3+CO3)	14.426	48.335	14.218	42.521
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	79.395	0.0	1.674	9.257
(NA+K)*100/(NA+K+CA+MG)	82.552	55.739	82.139	90.317
CA*100/(NA+K+CA+MG)	13.805	18.578	5.055	4.552
MG*100/(NA+K+CA+MG)	3.643	25.683	12.805	5.131
(CL+S04)*100/(CL+S04+HCO3+CO3)	20.605	100.000	98.326	90.743
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	79.395	0.0	1.674	9.257
(NA+K)*100/(NA+K+CA+MG)	82.552	55.739	82.139	90.317
(CA+MG)*100/(NA+K+CA+MG)	17.448	44.261	17.861	9.683

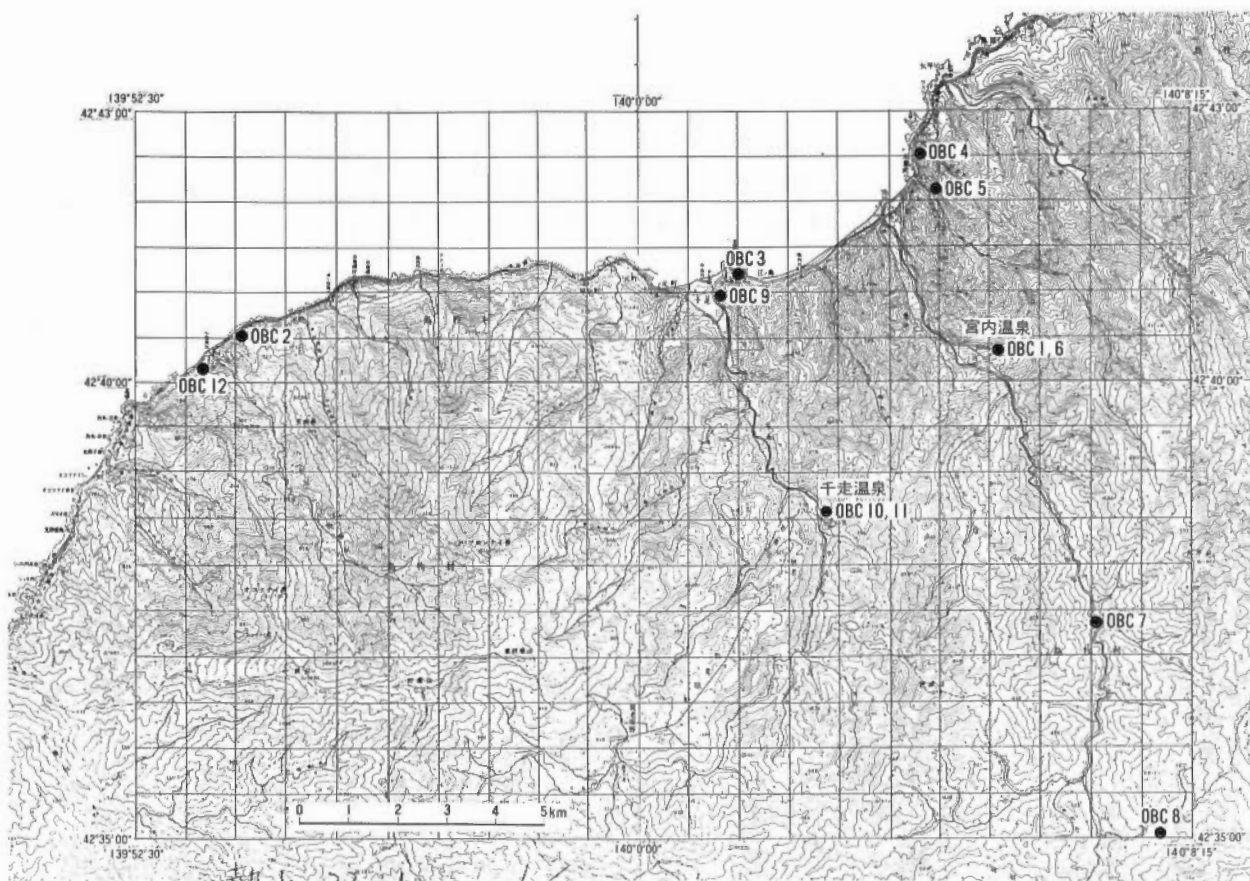
第33-2表 大平山地域水質一覽表(つづき)

NO	TEMP	TSM	PH(PD)	PH(LB)	OBC 5		OBC 6		OBC 7		OBC 8			
					41.7	3954.000	8.70	46.9	998.000	7.10	8.60	67.5	2952.000	6.50
H (MG/KG) (MVAL/KG)														
K	7.700	0.197	0.519	0.519	101.000	2.584	204.500	5.231						
NA	1172.000	50.982	13.616	13.616	619.000	26.927	441.500	19.205						
NH4														
CA	168.800	8.423	1.507	1.507	287.500	14.346	498.300	24.865						
MG	0.700	0.058	0.568	0.568	35.600	3.259	80.900	6.657						
FE	0.220	0.008	0.008	0.008	3.360	0.120	0.080	0.003						
MN	0.060	0.002	0.030	0.030	1.040	0.038	5.140	0.187						
ZN	0.008	0.000	0.011	0.011	0.012	0.000	0.011	0.000						
CU	0.002	0.000	0.004	0.000	0.003	0.000	0.0	0.000						
PB														
AL	0.010	0.001	0.010	0.001	0.250	0.028	0.090	0.010						
CL	1182.000	33.344	0.908	0.908	1075.000	30.326	1129.000	31.849						
BR														
I														
F	7.430	0.391	0.190	0.190	0.950	0.050	0.560	0.029						
IOH														
S04	1213.000	25.255	4.916	4.916	233.700	4.866	578.700	12.049						
S203														
HC03	48.800	0.800	10.398	10.398	744.700	12.206	739.300	12.117						
C03	0.600	0.020	0.0	0.0	0.0	0.0	0.0	0.0						
SI02 (MG/KG) (MMOL/KG)														
HJ02	31.695	0.528	0.643	0.643	88.316	1.470	48.997	0.816						
H3P04	27.600	0.630	0.139	0.139	69.400	1.584	66.000	1.506						
HAS02														
C02	0.059	0.001	0.000	0.000	1.040	0.010	0.069	0.001						
H2S	0.0	0.0	41.100	0.934	117.700	2.674	203.900	4.633						
	0.0		0.0		0.0		15.710	0.461						
RN (*E-10 CURIE/L)														
INA/K	258.837		26.220											
CA/(HC03+C03)	10.274	0.145	0.145		10.422	3.671								
MG/CA	0.007	0.377	0.227		0.175	2.052								
NA/CA	6.053	9.035	5.035		0.227	0.268								
CL/(HC03+C03)	40.672	0.087	2.485		1.877	0.772								
CL/F	85.254	4.793	606.418		2.485	2.628								
						1080.421								
CL*100/(CL+S04+HC03+C03)	56.117	5.600	63.982		63.982	56.858								
S04*100/(CL+S04+HC03+C03)	42.503	30.302	10.266		10.266	21.510								
(HC03+C03)*100/(CL+S04+HC03+C03)	1.380	64.098	25.752		25.752	21.632								
(NA+K)*100/(NA+K+CA+MG)	85.785	87.200	62.634		62.634	43.668								
CA*100/(NA+K+CA+MG)	14.119	9.297	30.449		30.449	44.435								
MG*100/(NA+K+CA+MG)	0.097	3.503	6.916		6.916	11.897								
(CL+S04)*100/(CL+S04+HC03+C03)	98.620	35.902	74.248		74.248	78.368								
(HC03+C03)*100/(CL+S04+HC03+C03)	1.380	64.098	25.752		25.752	21.632								
(NA+K)*100/(NA+K+CA+MG)	85.785	87.200	62.634		62.634	43.668								
(CA+MG)*100/(NA+K+CA+MG)	14.215	12.800	37.366		37.366	56.332								

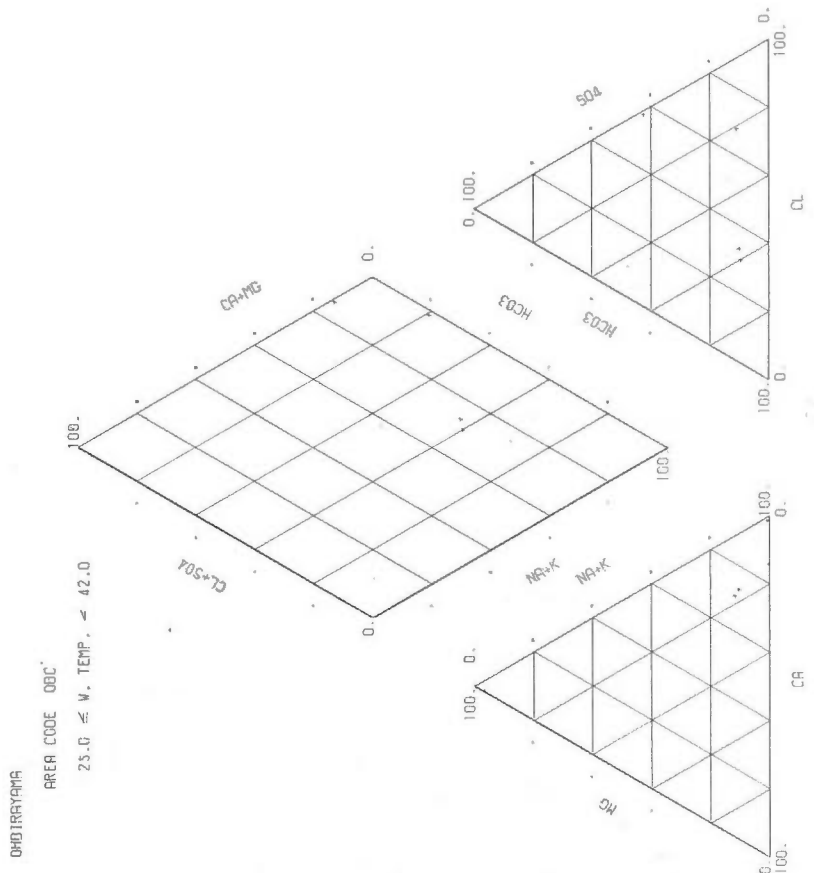
第33-2表 大平山地域水質一覽表 (つづき)

NO	TEMP	TSM	PH(FD)	PH(LB)	OBC 9		OBC 10		OBC 11		OBC 12	
H (MG/KG) (MVAL/KG)												
K	17.000	0.435	84.600	2.164	104.200	2.665	155.000	4.988				
NA	1120.000	48.720	814.000	35.409	1000.000	43.500	1478.000	64.293				
NH4												
CA	12.090	0.603	190.000	9.481	209.000	10.429	295.800	14.760				
MG	4.180	0.344	76.600	6.303	81.400	6.698	140.800	11.586				
FE	0.359	0.013	3.660	0.131	1.620	0.058	1.080	0.039				
MN	TR.		0.370	0.013	0.270	0.010	5.040	0.183				
ZN	0.240	0.007	0.016	0.000	0.011	0.000	0.014	0.000				
CU	0.003	0.000	0.009	0.000	0.002	0.000	0.003	0.000				
PB												
AL	0.920	0.102	0.020	0.002	0.010	0.001	0.080	0.009				
CL	1207.000	34.049	574.800	16.215	745.000	21.016	2746.000	77.465				
I												
F	0.340	0.018	1.140	0.060	1.090	0.057	0.910	0.048				
SO4	265.600	5.530	255.100	5.311	311.800	6.492	442.700	9.217				
S2O3												
HC03	648.000	10.621	2001.000	32.796	2214.000	36.287	585.600	9.598				
CO3	0.0		0.0		0.0		0.0					
SI02 (MG/KG) (MMOL/KG)	95.393	1.588	30.395	0.506	35.395	0.589	51.397	0.856				
HB02	20.200	0.461	17.000	0.388	20.400	0.466	45.000	1.027				
H3PO4	0.102	0.001										
HAS02	0.015	0.000	0.023	0.000	0.033	0.000	0.0					
CO2	0.0		336.600	7.648	81.400	1.849	100.100	2.274				
H2S	0.680	0.020	0.0		0.0		0.090	0.003				
RN (*E-10 CURIE/L)												
NA/K	112.036		16.362		16.320		12.889					
CA/(HC03+CO3)	0.057		0.289		0.287		1.518					
MG/CA	0.570		0.685		0.682		0.785					
NA/CA	80.757		3.735		4.171		4.356					
CL/(HC03+CO3)	3.206		0.494		0.579		8.071					
CL/F	1902.460		270.209		366.283		1617.135					
CL*100/(CL+S04+HC03+CO3)	67.828		29.850		32.943		80.458					
S04*100/(CL+S04+HC03+CO3)	11.016		9.777		10.176		9.573					
(HC03+CO3)*100/(CL+S04+HC03+CO3)	21.157		60.373		50.861		9.969					
(NA+K)*100/(NA+K+CA+MG)	98.109		70.418		72.939		72.449					
CA*100/(NA+K+CA+MG)	1.204		17.769		16.478		15.435					
MG*100/(NA+K+CA+MG)	0.687		11.814		10.583		12.116					
(CL+S04)*100/(CL+S04+HC03+CO3)	78.843		39.627		43.119		80.031					
(HC03+CO3)*100/(CL+S04+HC03+CO3)	21.157		60.373		50.861		9.969					
(NA+K)*100/(NA+K+CA+MG)	98.109		70.418		72.939		72.449					
(CA+MG)*100/(NA+K+CA+MG)	1.891		29.582		27.061		27.551					

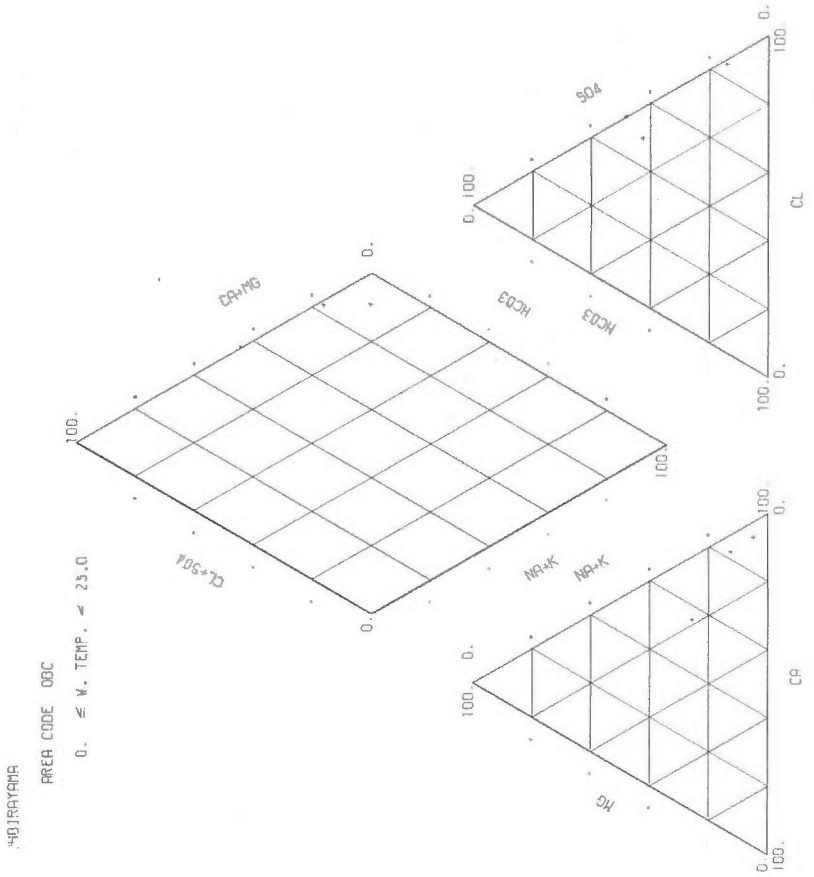
第33-1図 大平山地域の温泉分布及び試料採取地(この地図は、国土地理院発行の5万分の1地形図「原歌」、「寿都」、「狩場山」及び「大平山」を使用したものである。)



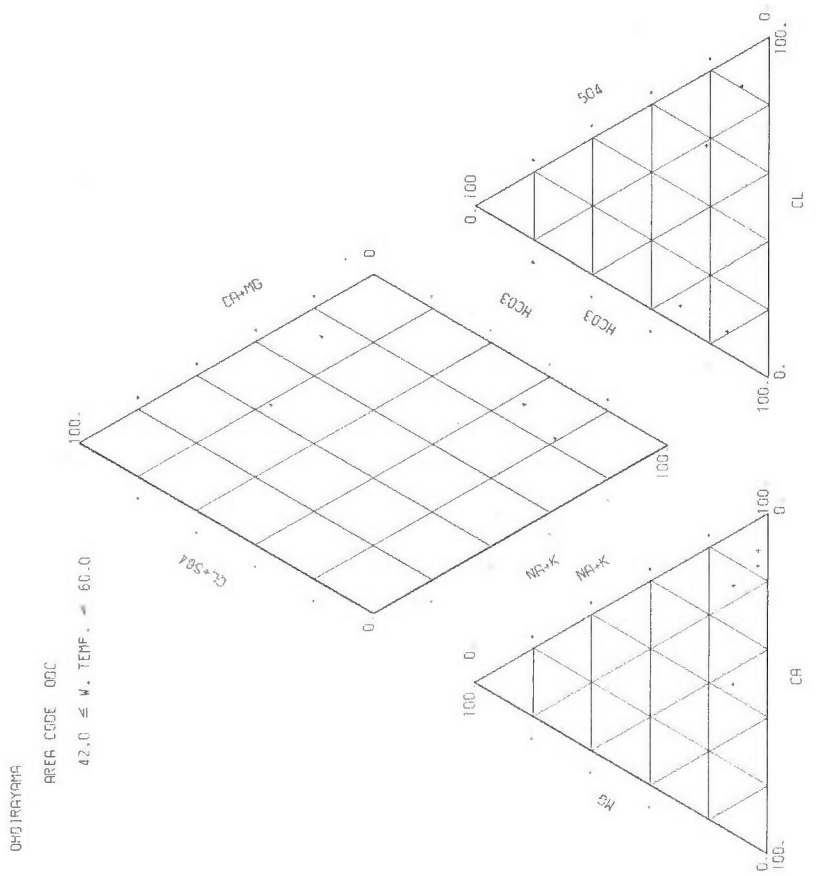
第33-2図 大平山地域水質組成図 (その2) (水温25℃以上42℃未満)



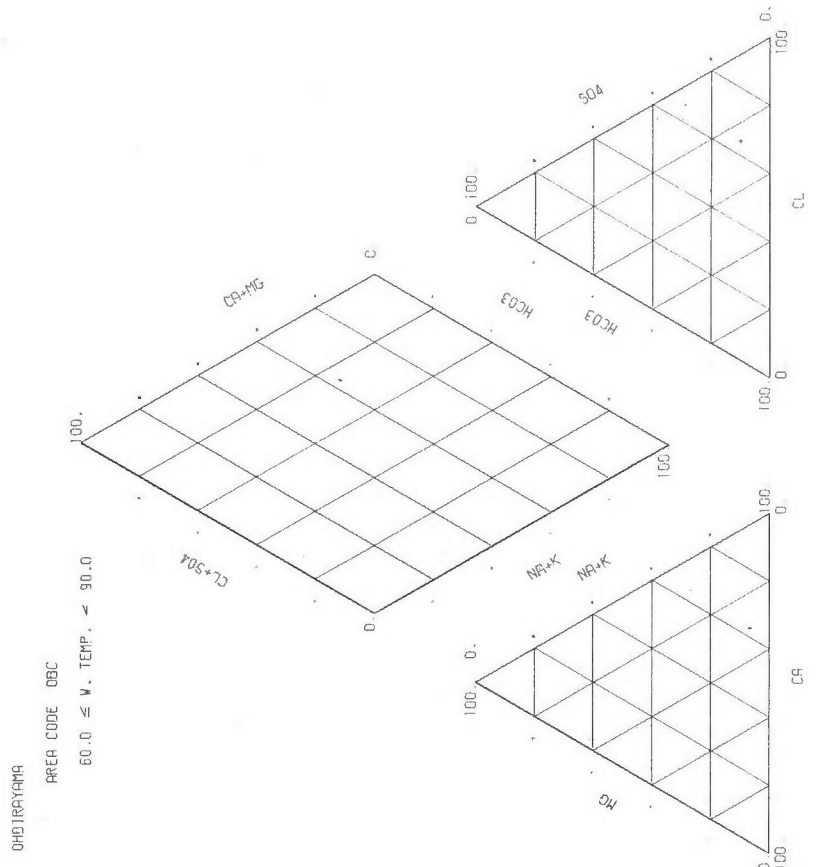
第33-2図 大平山地域水質組成図 (その1) (水温25℃未満)



第 33-2 図 大平山地域水質組成図 (その 3) (水温42°C以上60°C未満)



第 33-2 図 大平山地域水質組成図 (その 4) (水温60°C以上90°C未満)

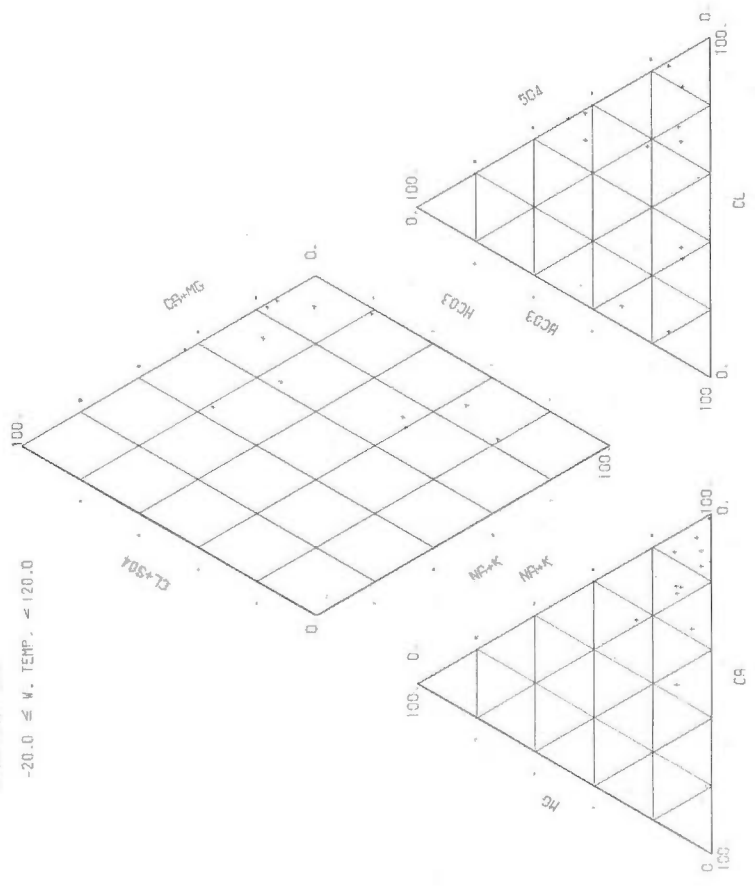


第 33-2 図 大平山地域水質組成図 (その 5) (全試料)

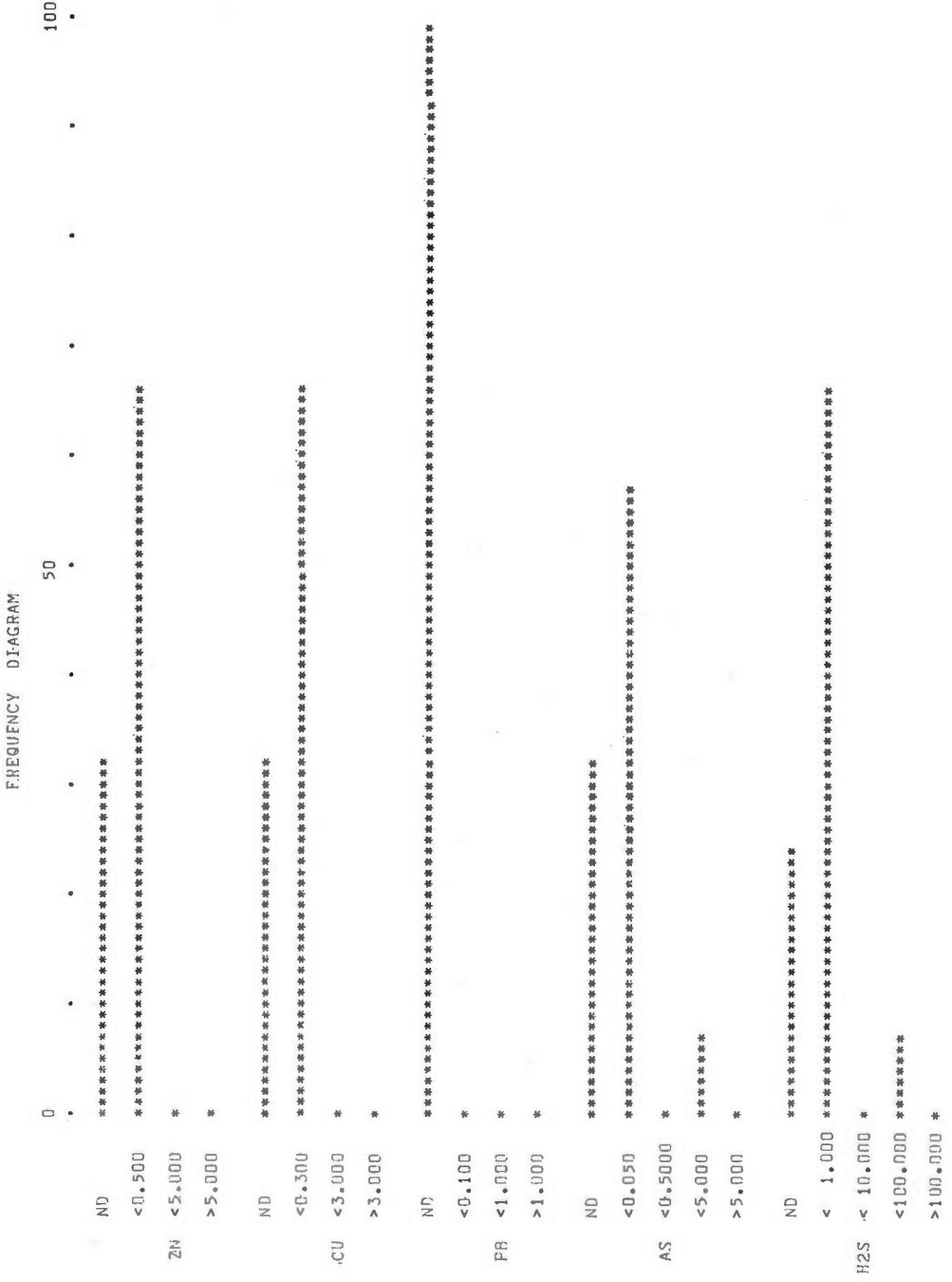
OHGIRAYAMA

AREA CODE 00C

-20.0 ≤ W. TEMP. ≤ 120.0



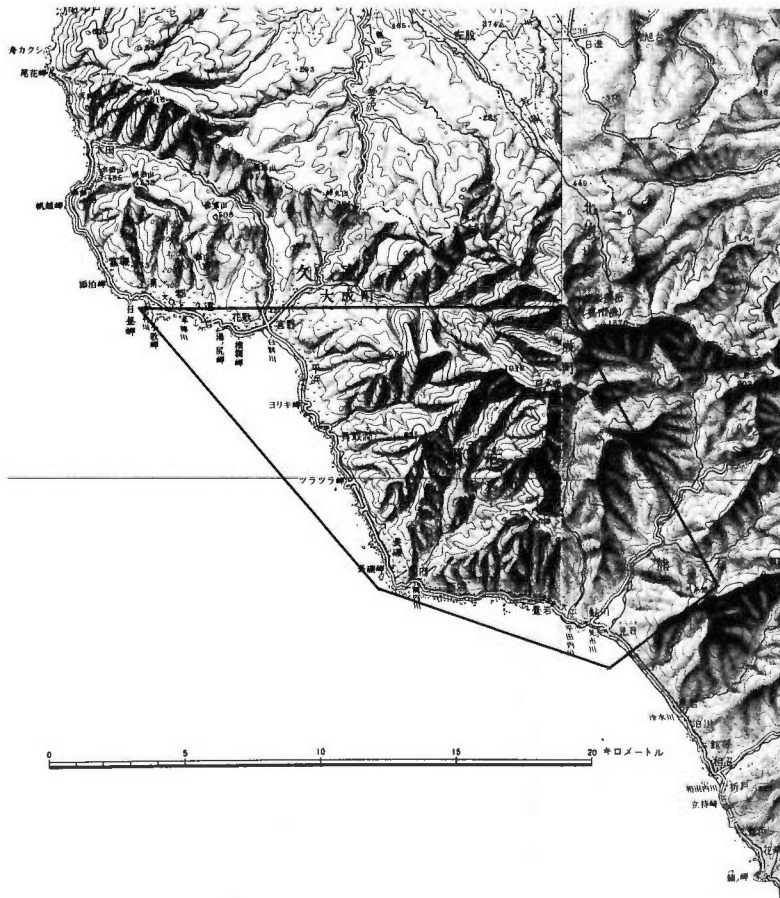
第 33-3 図 大平山地域特定成分含量の頻度分布図



34. 大成・熊石 Taisei-Kumaishi

位置	北海道久遠郡大成町，同爾志郡熊石町
データ数	10
収集・整理	五十嵐昭明・比留川 貴・日鉄鉦コンサルタント(株)
協力	北海道衛生研究所

調査位置図（この地図は，国土地理院発行の20万分の1地勢図「久遠」，「室蘭」を使用したものである）



第 34-1 表 大成・熊石地域試料一覽表

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
TKC-1	北海道久遠郡大成町字平浜	白	二 号	1956. 7. 11	9	衛研試 429	F
"-2	" " " " " "	"	一 号	1956. 7. 11	"	" 428	F
"-3	" " " " " "	"	"	1957.	"	" 511	
"-4	" " " " " "	"	"	1963.	"	" 38-1416	
"-5	" " " " " 字貝取洞574 (国有未開地)	貝 取 洞	大 森 温 泉	1967. 11. 28	"	" 42-3324	Q = 35l/m, F
"-6	北海道爾志郡熊石町国有林俄虫管林署爾志 經營区四林班	平 田 内	ほ や の 湯	1956. 11. 30	"	" 455	F
"-7	" " " " " "	"	熊 の 湯	1956. 11. 30	"	" 456	F
"-8	" " " " " 字平362	"	平 田 内	1971. 7. 19	"	46衛研委479 温143	D = 68. 4m, Q = 240l/m, F
"-9	" " " " " 字大谷18	見	見 市	1953. 8. 23	"	衛研試163	Q = 36l/m, F
"-10	" " " " " 13地先	"	"	1971. 7. 19	"	46衛研委478 温142	Q = 80l/m, F

備考欄のDは深度 (m), Qは湧水量 (l/m), Fは自噴を示す。

第34-2表 大成・熊石地域水質一覽表 (つづき)

	TKC 1	TKC 2	TKC 3	TKC 4
NO	35.0	57.0	30.0	—
TSM	3959.000	3482.000	3460.000	3377.000
PH(FD)	—	6.92	—	6.90
PH(CLB)	7.38	—	—	—
H (MG/KG) (MVAL/KG)				
K	4,400	0.113	—	—
NA	850,200	36,984	33,900	58,700
NH4	—	845,800	803,600	753,000
CA	261,500	13,049	307,000	371,200
MG	35,500	2,921	13,500	2,300
FE	0,560	0,020	0,072	0,500
MN	1,210	0,044	TR	1,920
ZN	—	—	—	0,038
CU	—	—	—	0,001
PB	—	—	—	0,017
AL	4,860	0.540	0.820	TR
CL	1404,100	39,610	1262,400	1285,100
BR	—	—	—	—
I	—	—	0.430	—
F	—	—	—	1.160
OH	—	—	—	—
S04	434,900	9,055	608,400	586,200
S203	295,500	4,843	246,700	311,100
HCO3	—	—	—	—
C03	—	—	—	—
SI02 (MG/KG) (MMOL/KG)	114,087	1,900	97,470	116,010
H002	68,500	1,563	69,100	49,300
H3P04	1,517	0.013	0.120	0.102
HAS02	—	—	—	0.170
C02	—	—	—	—
H2S	—	—	—	—
RN (*E-10 CURIE/L)	—	—	—	—
NA/K	328,592	276,601	40,311	21,815
CA/(HC03+C03)	2,694	2,642	3,789	3,633
MG/CA	0,224	0,200	0,073	0,010
NA/CA	2,834	2,767	2,282	1,768
CL/(HC03+C03)	8,178	7,825	8,807	7,110
CL/F	—	—	1573,315	593,699
CL*100/(CL+S04+HC03+C03)	74,026	73,855	68,063	67,691
S04*100/(CL+S04+HC03+C03)	16,922	16,706	24,209	22,789
(HC03+C03)*100/(CL+S04+HC03+C03)	9,052	9,439	7,728	9,521
(NA+K)*100/(NA+K+CA+MG)	69,905	69,826	68,557	64,674
CA*100/(NA+K+CA+MG)	24,590	25,147	29,317	34,969
MG*100/(NA+K+CA+MG)	5,505	5,026	2,126	0,357
(CL+S04)*100/(CL+S04+HC03+C03)	90,948	90,561	92,272	90,479
(HC03+C03)*100/(CL+S04+HC03+C03)	9,052	9,439	7,728	9,521
(NA+K)*100/(NA+K+CA+MG)	69,905	69,826	68,557	64,674
(CA+MG)*100/(NA+K+CA+MG)	30,095	30,174	31,443	35,326

第 34-2 表 大成・熊石地域水質一覽表

NO	TKC 5	TKC 6	TKC 7	TKC 8
TEMP	53.0	59.0	51.0	63.0
TSM	2815.000	5472.000	5620.000	4881.000
PH(FD)	6.60	6.40	6.60	6.60
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	50.000	1.279	0.100	240.000
NA	650.000	28.275	74.285	1410.000
NH4	-	-	-	-
CA	149.000	7.435	13.159	173.000
MG	33.200	2.732	1.465	13.600
FE	5.640	0.202	0.068	2.440
MN	0.644	0.023	0.030	0.490
ZN	0.011	0.000	-	0.000
CU	0.009	0.000	-	0.002
PB	TR	-	-	0.004
AL	14.000	1.557	7.300	2.250
CL	859.000	24.232	72.122	2307.000
BR	-	-	-	-
I	0.560	0.029	-	1.880
OH	-	-	-	0.099
S04	181.000	3.768	2.263	137.000
S203	-	-	-	-
HC03	823.000	13.489	15.733	584.000
C03	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	51.466	0.857	2.178	266.947
HR02	40.300	0.920	1.310	76.100
H3PO4	0.587	0.006	0.024	0.878
HAS02	0.029	0.000	-	0.151
C02	501.000	11.383	4.778	132.000
H2S	0.170	0.005	0.044	0.680
RN (*F-10 CURIE/L)	-	-	-	-
NA/K	22.107	744.622	652.844	9.991
CA/(HC03+C03)	0.551	0.836	0.930	0.902
MG/CA	0.367	0.111	0.141	0.130
NA/CA	3.803	5.645	5.342	7.105
CL/(HC03+C03)	1.796	4.584	5.208	6.799
CL/F	822.039	-	-	657.623
CL*100/(CL+S04+HC03+C03)	58.406	80.031	81.708	83.970
S04*100/(CL+S04+HC03+C03)	9.083	2.511	2.604	3.680
(HC03+C03)*100/(CL+S04+HC03+C03)	32.512	17.458	15.688	12.350
(NA+K)*100/(NA+K+CA+MG)	74.404	83.571	82.945	87.372
CA*100/(NA+K+CA+MG)	18.718	14.784	14.945	11.178
MG*100/(NA+K+CA+MG)	6.878	1.646	2.110	1.449
(CL+S04)*100/(CL+S04+HC03+C03)	67.488	82.542	84.312	87.650
(HC03+C03)*100/(CL+S04+HC03+C03)	32.512	17.458	15.688	12.350
(NA+K)*100/(NA+K+CA+MG)	74.404	83.571	82.945	87.372
(CA+MG)*100/(NA+K+CA+MG)	25.596	16.429	17.055	12.628

第 34-2 表 大成・熊石地域水質一覧表 (つづき)

NO	TKC: 9		TKC: 10	
	TEMP	46.2	66.0	
TSM	42871.000	4235.000		
PH(FD)	6.60			
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	191.200	4.891	230.000	5.883
NA	1085.900	47.237	1030.000	44.805
NH4				
CA	262.700	13.109	240.000	11.976
MG	14.500	1.193	22.000	1.810
FE	4.810	0.172	4.570	0.164
MN	0.120	0.004	0.390	0.014
ZN			0.0	
CU			0.004	0.000
PB			TR.	
AL	4.192	0.466	23.000	2.557
CL	1950.000	55.010	191.700	5.408
BR				
I				
F			0.360	0.019
OH				
S04	53.890	1.122	95.600	1.990
S203				
HC03	667.500	10.940	610.000	9.998
C03				
SI02 (MG/KG) (MMOL/KG)				
HB02	114.395	1.905	156.937	2.613
H3P04	48.660	1.110	49.200	1.123
HA502			0.092	0.001
C02	288.300	6.550	0.123	0.001
H2S			457.000	10.383
			0.340	0.010
RN (*E-10 CURIE/L)				
NA/K	9.658		7.617	
CA/(HC03+C03)	1.198		1.198	
MG/CA	0.091		0.151	
NA/CA	3.603		3.741	
CL/(HC03+C03)	5.028		0.541	
CL/F			285.569	
CL*100/(CL+S04+HC03+C03)	82.016		31.087	
S04*100/(CL+S04+HC03+C03)	1.673		11.442	
(HC03+C03)*100/(CL+S04+HC03+C03)	16.311		57.472	
(NA+K)*100/(NA+K+CA+MG)	78.471		78.618	
CA*100/(NA+K+CA+MG)	19.733		18.575	
MG*100/(NA+K+CA+MG)	1.796		2.807	
(CL+S04)*100/(CL+S04+HC03+C03)	83.689		42.528	
(HC03+C03)*100/(CL+S04+HC03+C03)	16.311		57.472	
(NA+K)*100/(NA+K+CA+MG)	78.471		78.618	
(CA+MG)*100/(NA+K+CA+MG)	21.530		21.382	

第34-3表 大成・熊石地域特定成分含量の頻度分布表

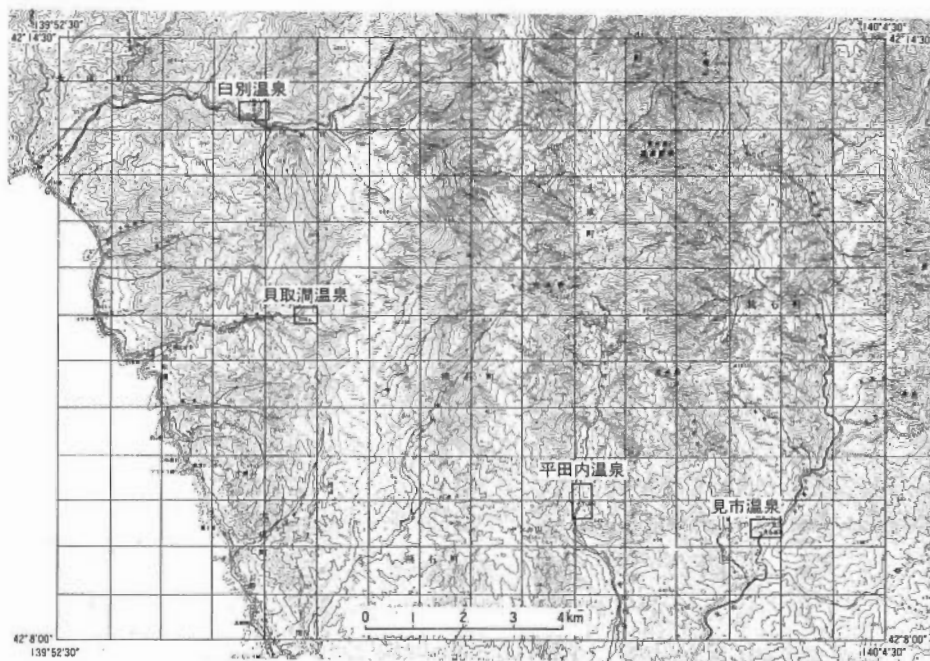
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

ZN		CU		PB		AS		H2S	
	N	F(%)		N	F(%)	N	F(%)	N	F(%)
ND	6	60.0	ND	6	60.0	ND	90.0	6	60.0
<0.500	4	40.0	<0.300	4	40.0	<0.100	1	3	30.0
<5.000	0	0.	<3.000	0	0.	<1.000	0	1	10.0
>5.000	0	0.	>3.000	0	0.	>1.000	0	0	0.
TOTAL	10	100.0	TOTAL	10	100.0	TOTAL	10	10	100.0
PB		AS		H2S		TOTAL		TOTAL	
ND	9	90.0	ND	5	50.0	ND	3	30.0	6
<0.100	1	10.0	<0.050	1	10.0	<10.000	1	10.0	3
<1.000	0	0.	<0.500	4	40.0	<100.000	0	0.	0
>1.000	0	0.	>5.000	0	0.	>100.000	0	0.	0
TOTAL	10	100.0	TOTAL	10	100.0	TOTAL	10	100.0	10

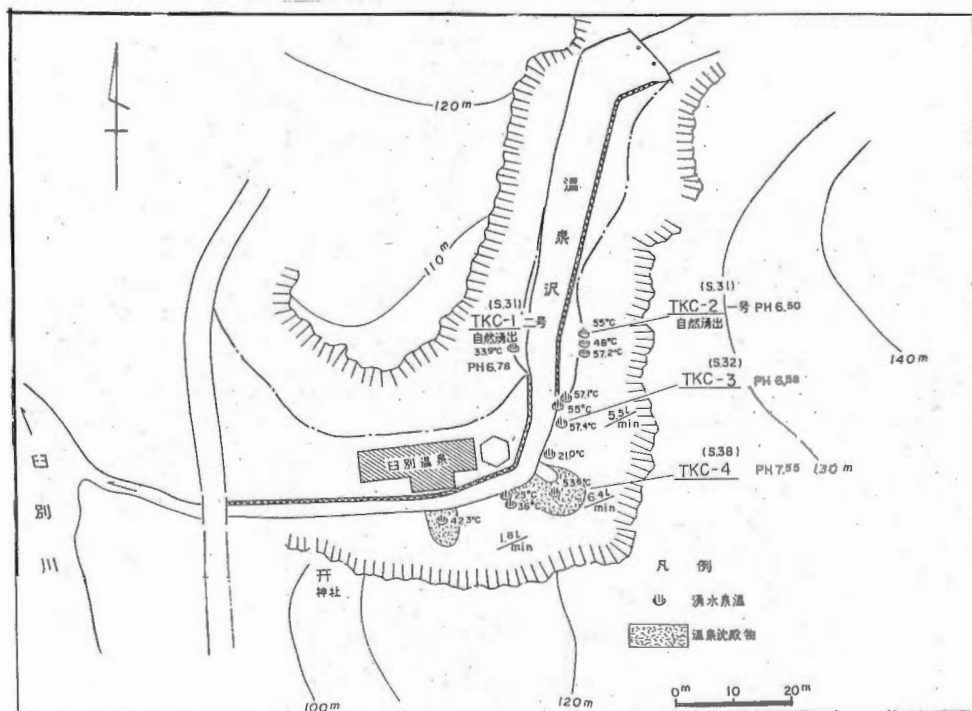
N= NUMBER OF SAMPLES
F= FREQUENCY(%)

第34-1図 大成・熊石地域の温泉分布

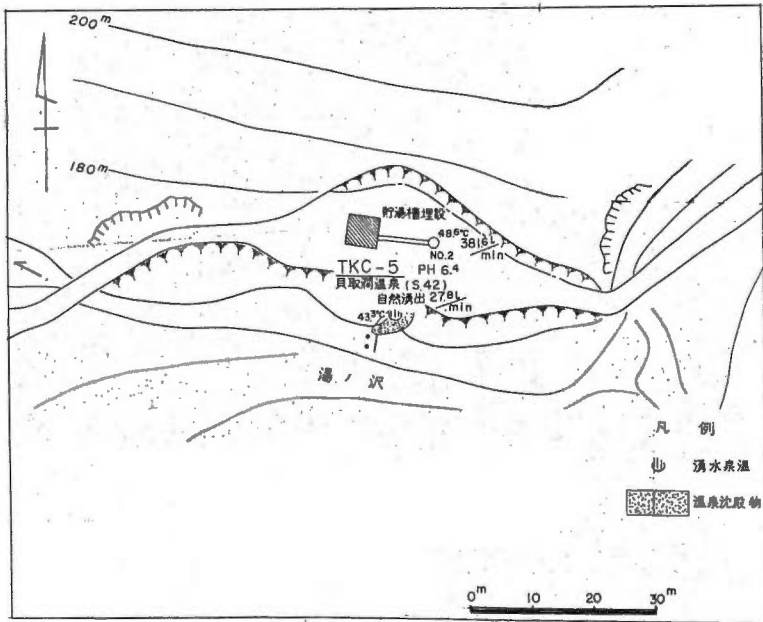
(この地図は、国土地理院発行の5万分の1地形図「久遠」、「遊楽部岳」、「熊石」及び「相沼」を使用したものである。)



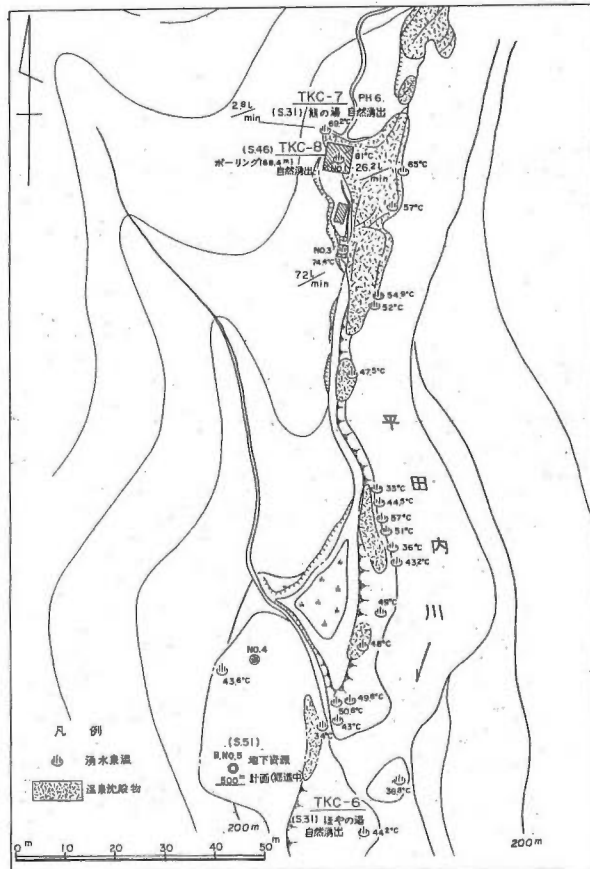
第34-2図 試料採取地(白別温泉)



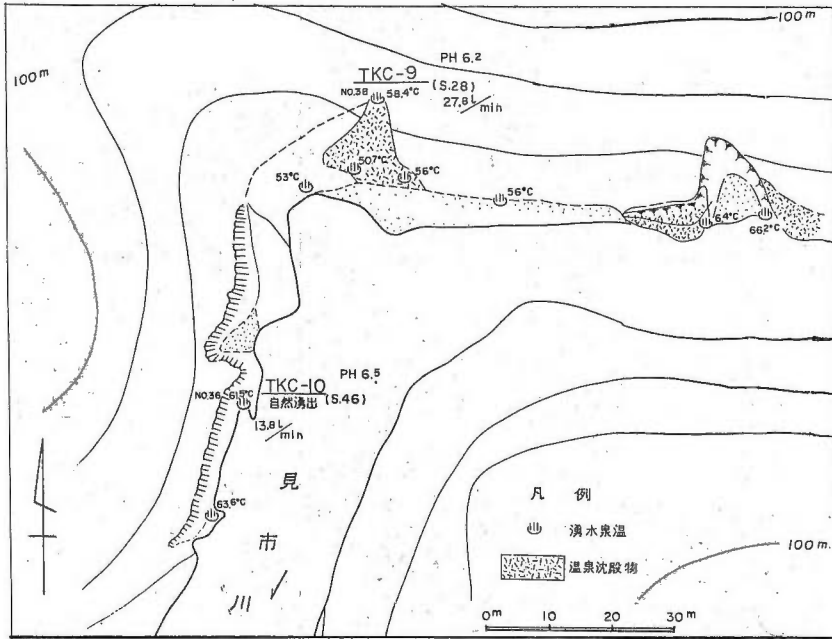
第34-3図 試料採取地(貝取洞温泉)



第34-4図 試料採取地(平田内温泉)



第 34-5 図 試料採取地（見市温泉）

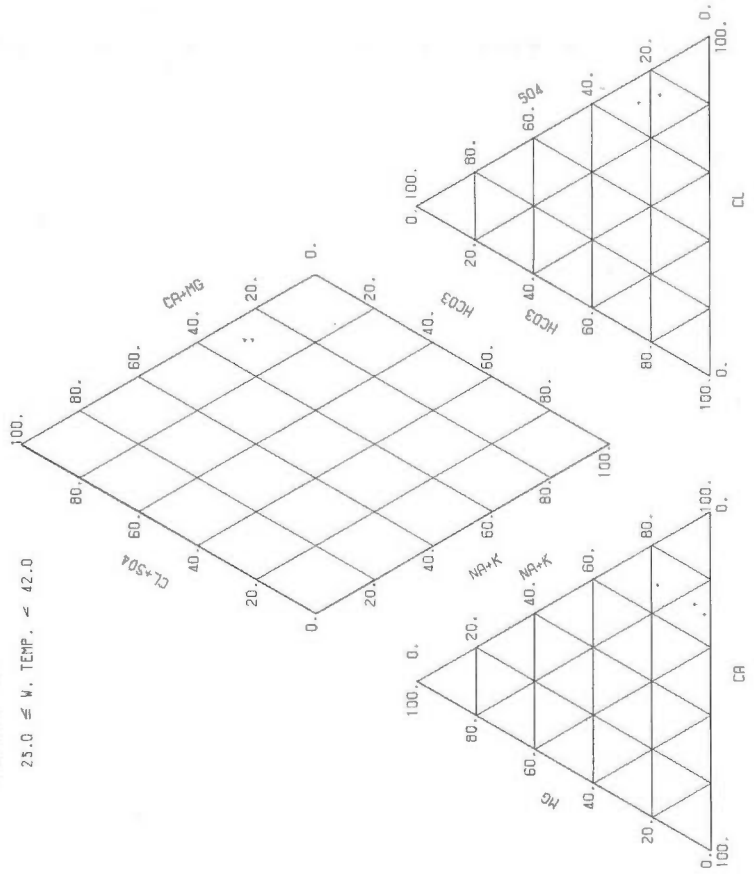


第 34-6 図 大成・熊石地域水質組成図 (その 1) (水温25℃以上42℃未満)

TR1SEI-KURASHI

AREA CODE TKC

25.0 ≤ W. TEMP. < 42.0

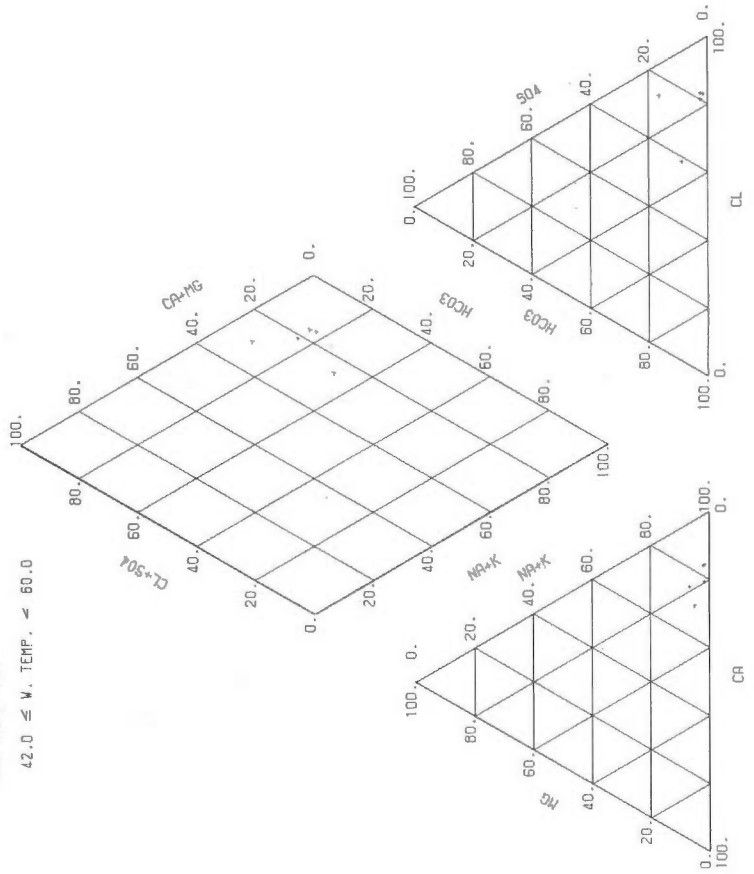


第 34-6 図 大成・熊石地域水質組成図 (その 2) (水温42℃以上60℃未満)

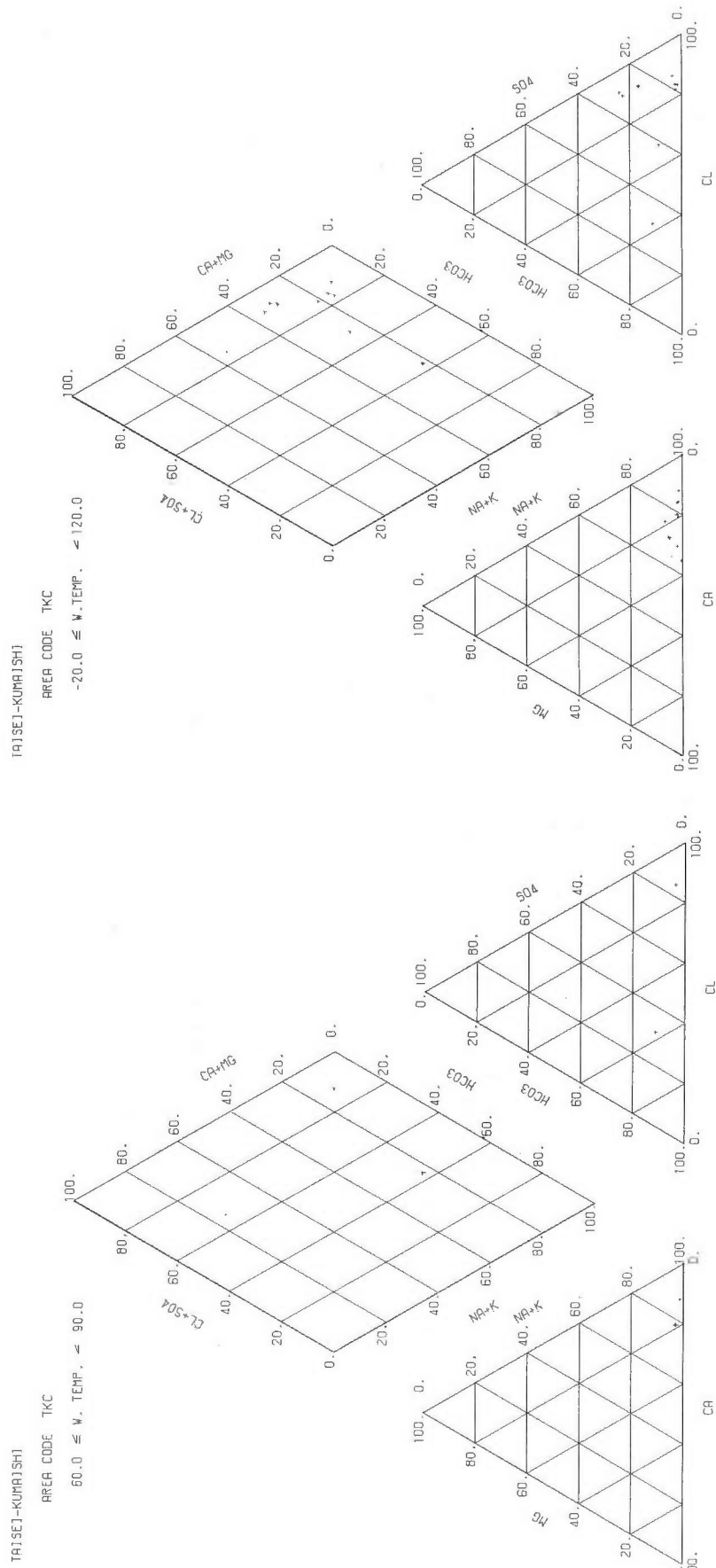
TR1SEI-KURASHI

AREA CODE TKC

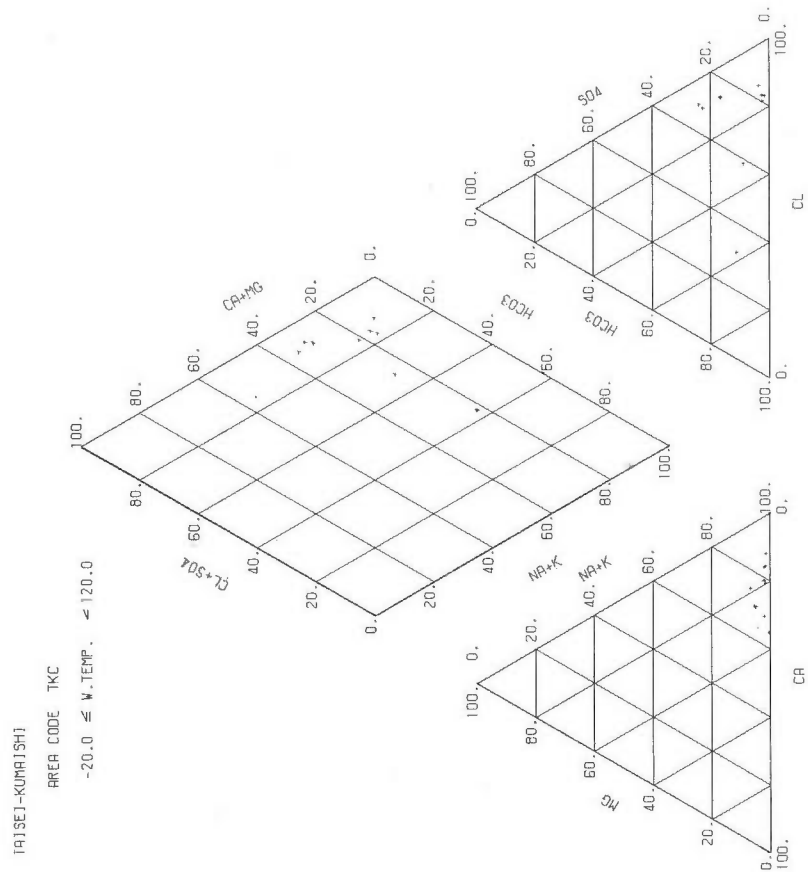
42.0 ≤ W. TEMP. < 60.0



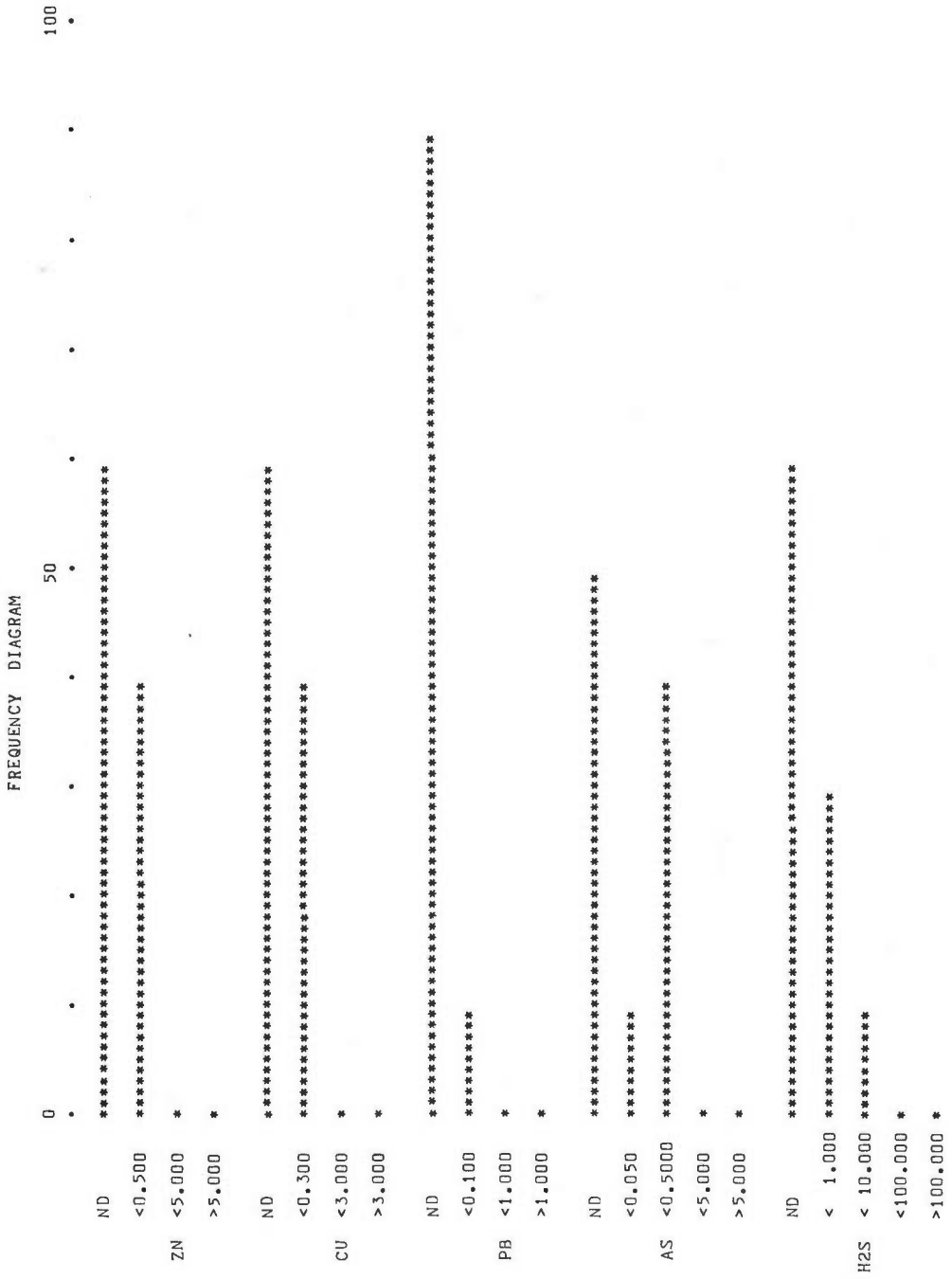
第 34-6 図 大成・熊石地域水質組成図 (その 3) (水温60°C以上90°C未満)



第 34-6 図 大成・熊石地域水質組成図 (その 4) (全試料)



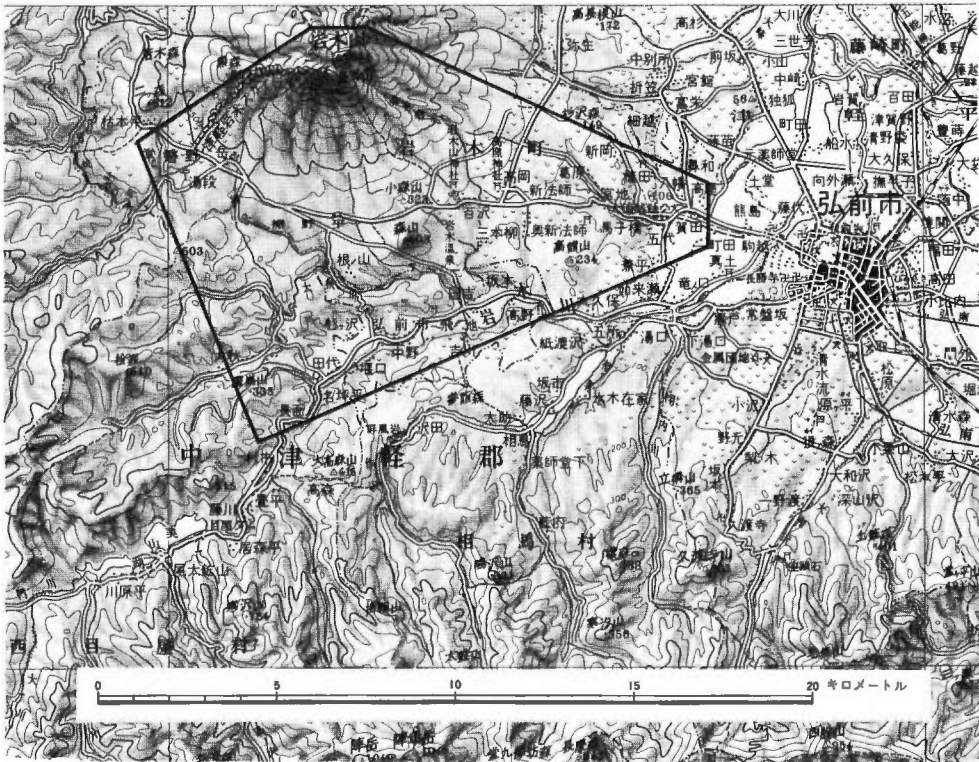
第 34-7 図 大成・熊石地域特定成分含量の頻度分布図



35. 岩木山 Iwakisan

位置	青森県中津軽郡岩木町，同郡西目屋村
データ数	23
収集・整理	阿部智彦・比留川 貴
協力	青森県環境保健部，同衛生研究所，同中津軽郡岩木町

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「弘前」を使用したものである）



第 35-1 表 岩木山地域試料一覽表

No.	産 地	温 泉 名	温 泉 名	探 水 年 月 日	文 献 No.	文 献 中 の 試 料 No.	備 考
IKC-1	青森県中津軽郡岩木町常盤野湯段23	湯 段	温 泉 組 合	1957.10.26	49	113	D=10m, Q=5.5l/m, F
"-2	" " " " " " " " " " " "	(常 盤 野)	秋 田 や 丸	1973. 9. 5	3		Q=3.5l/m
"-3	" " " " " " " " " " " "	(" ")	黒 森	1975. 7. 28	"		Q=300l/m
"-4	" " " " " " " " " " " "	(" ")	岩 木 ス カ イ ラ イ ン	1976.10.22	4	51-no.80	Q=30l/m, ×
"-5	" " " " " " " " " " " "	岳	温 泉 組 合	(1960.10.20)	3		D=185m, Q=172l/m, F
"-6	" " " " " " " " " " " "	" "	温 泉 組 合	1978. 9. 8	"	青箱研第138号	Q=968l/m
"-7	" " " " " " " " " " " "	百 沢	三 上 泉	(1959. 7. 31)	"		D=180m, 480l/m, F
"-8	" " " " " " " " " " " "	" "	太 田 1 号 泉	(" 10.17)	"		D=130m, 185l/m, F
"-9	" " " " " " " " " " " "	" "	町 有 泉	1967.10.20	"		D=382m, Q=198l/m
"-10	" " " " " " " " " " " "	" "	浅 妻 1 号 泉	(1957.11.15)	"		D=129m, Q=191l/m, F
"-11	" " " " " " " " " " " "	" "	浅 妻 3 号 泉	(1959. 7. 14)	"		D=204m, Q=1823l/m, F
"-12	" " " " " " " " " " " "	" "	厚 生 福 祉 協 会	1973. 6. 11	"		Q=450l/m
"-13	" " " " " " " " " " " "	" "	中 野 1 号 泉	1972. 8. 16	4	47-41	D=200m, Q=133l/m, F
"-14	" " " " " " " " " " " "	" "	2 号 泉	" " "	"	47-42	D=400m, Q=267l/m, F
"-15	" " " " " " " " " " " "	" "	中 野 新 岩 木	1971.11.18	3		D=398m, Q=216l/m
"-16	" " " " " " " " " " " "	" "	富 士 見 荘	1968.12. 4	"		D=150m, Q=57.6l/m, F
"-17	" " " " " " " " " " " "	" "	弘 前 相 互 銀 行 跡 山 荘	1964. 6. 28	"		D=400m, Q=270l/m, F
"-18	" " " " " " " " " " " "	" "	東 岩 木	1973. 9. 11	"		Q=229.8l/m, ×
"-19	" " " " " " " " " " " "	" "	小 松 野	1977.10.11	4	52-no.102	Q=400l/m, F
"-20	" " " " " " " " " " " "	三 本 柳	三 上 助 三	1965. 4. 27	3		D=119m, Q=71.0l/m
"-21	" " " " " " " " " " " "	" "	2 号 泉	1976. 9. 10	4	51-no.78	D=136m, Q=112.5l/m, F
"-22	" " " " " " " " " " " "	(五 代)	桜	1976. 9. 8	"	51-no.77	Q=460l/m
"-23	" " " " " " " " " " " "	滝 の 湯	水 上 栄	1961.10.25	3		Q=111.6l/m

温泉名の () は、文献41に記載されていないもの、採水年月日の () は、分析年月日の () は、分折年月日、備考欄のDは深度 (m)、Qは湧・揚水量 (l/m)、Fは自噴、×は源泉位置不明を示す。

第 35-2 表 岩木山地域水質一覽表

	IKC 1	IKC 2	IKC 3	IKC 4
ND	39.0	35.5	61.0	55.0
TEMP	3181.000	1441.000	3904.000	2366.000
TSM	6.20	6.50	6.60	6.60
PH(FD)	-	6.50	6.30	6.60
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)				
K	56,000	16,029	67,010	41,070
NA	390,000	126,254	547,400	355,500
NH4	-	1,030	3,107	0,172
CA	505,000	222,000	408,900	192,100
Mg	165,000	13,578	5,999	155,600
FE	7,200	2,780	0,100	6,133
MN	0,620	1,680	0,287	0,220
ZN	-	0,023	0,023	0,001
Cu	-	0,018	0,001	0,001
Pb	-	-	-	-
AL	4,000	0,033	0,004	0,030
CL	1049,000	29,592	0,045	0,005
RR	-	464,558	13,105	1546,000
I	-	-	-	43,613
F	-	-	-	638,500
DH	-	-	-	-
SD4	364,000	251,345	498,600	10,381
SD3	-	-	-	252,800
HC03	629,000	321,662	536,600	973,800
CU3	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	152,321	93,337	209,480	213,096
H8U2	26,000	2,130	12,010	77,330
H4P04	-	0,341	0,042	0,066
H4S02	-	0,087	0,001	0,001
CO2	356,000	116,979	237,500	131,700
H2S	-	-	-	3,410
RN (#E-10 CURIE/L)				
NA/K	11,843	13,395	13,892	14,720
CA/(HCU3+CU3)	1,476	2,101	2,320	0,601
Mg/CA	0,892	0,542	0,805	1,336
NA/CA	1,115	0,496	1,167	1,613
CL/(HCU3+CU3)	2,870	2,486	4,959	1,129
CL/F	-	-	-	1710,873
CL*SI02/(CL+SD4+HCU3+CU3)	62,326	56,503	69,460	45,907
SD4*SI02/(CL+SD4+HCU3+CU3)	15,961	20,767	16,533	13,414
(HCU3+CU3)*SI02/(CL+SD4+HCU3+CU3)	21,713	22,750	14,007	40,678
(NA+K)*SI02/(NA+K+CA+MG)	58,982	25,685	40,931	42,449
CA*SI02/(NA+K+CA+MG)	52,248	48,200	32,718	24,639
Mg*SI02/(NA+K+CA+MG)	28,770	26,106	26,351	32,912
(CL+SD4)*SI02/(CL+SD4+HCU3+CU3)	78,287	77,270	85,993	59,322
(HCU3+CU3)*SI02/(CL+SD4+HCU3+CU3)	21,713	22,750	14,007	40,678
(NA+K)*SI02/(NA+K+CA+MG)	58,982	25,685	40,931	42,449
(CA+MG)*SI02/(NA+K+CA+MG)	61,018	74,315	59,069	57,551

第 35-2 表 岩木山地域水質一覧表 (つづき)

	IKC 5	IKC 6	IKC 7	IKC 8
NO ₃ -N	53.0	46.0	51.2	48.5
TEMP		5143.000	2550.800	4082.400
TSM	4651.398	1.95	6.70	6.60
PH(D)	-	2.05	-	-
PH(LR)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	69.100	1.765	42.700	1.695
NA	542.700	23.607	277.200	34.274
NH4				
CA	597.400	29.810	266.800	10.249
MG	34.300	2.823	142.100	12.072
FE	2.600	0.093	2.900	0.637
MN	5.300	0.193	-	-
ZN	-	-	-	-
CU	-	0.0	-	-
PB	-	0.090	-	-
AL	166.700	18.535	-	-
CL	2539.700	71.645	853.500	1477.800
HR	-	-	-	-
I	-	-	-	-
F	-	5.117	-	-
UH	-	-	-	-
SU4	-	-	-	-
S2U3	552.500	11.503	26.200	2.782
HCU3	-	-	-	-
CU3	-	-	-	14.825
SIU2 (MG/KG) (MMUL/KG)				
HU2	195.094	3.248	63.621	157.783
H3P04	85.500	1.951	-	54.800
HASU2	-	-	-	-
CU2	740.300	16.820	-	350.600
H2S	11.360	0.332	-	23.237
HN (#E-10 CURIE/L)	-	-	-	-
NA/K	13.356	13.739	11.040	20.240
CA/(HCU3+CU3)	-	-	-	0.691
MG/CA	0.095	0.315	0.878	1.178
NA/CA	0.792	0.427	0.906	3.344
CL/(HCU3+CU3)	-	-	-	2.612
CL/F	-	173.014	-	-
CL*100/(CL+S04+HCU3+CU3)	-	-	-	70.507
S04*100/(CL+S04+HCU3+CU3)	-	-	-	4.691
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	-	-	-	25.002
(NA+K)*100/(NA+K+CA+MG)	43.744	25.829	34.464	61.705
CA*100/(NA+K+CA+MG)	51.390	56.387	34.891	17.584
MG*100/(NA+K+CA+MG)	4.866	17.784	30.645	20.711
(CL+S04)*100/(CL+S04+HCU3+CU3)	-	-	-	74.998
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	-	-	-	25.002
(NA+K)*100/(NA+K+CA+MG)	43.744	25.829	34.464	61.705
(CA+MG)*100/(NA+K+CA+MG)	56.256	74.171	65.536	38.295

第35-2表 若木山地域水質一覽表(つづき)

	IKC 9	IKC 10	IKC 11	IKC 12
NU	55.0	45.0	48.0	49.0
TEMP	2499.031	2376.000	1885.000	1271.980
TSM	7.30	5.80	6.60	6.64
PH(FD)	7.12	-	-	-
PH(LR)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	42,000	46,700	59,500	30,490
NA	430,000	440,000	344,000	226,000
NAH4	0,800	-	-	0,280
CA	212,800	191,200	9,541	91,308
MG	157,040	154,020	79,070	76,601
FE	3,900	0,400	5,760	0,056
MN	-	-	-	0,055
ZN	-	-	-	-
CU	0,055	-	-	0,010
PB	-	-	-	-
AL	0,01	-	2,650	0,104
CL	433,410	600,600	502,500	270,750
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
SU4	31,000	-	7,409	18,026
S2U4	-	-	-	-
HCU3	1171,546	1179,700	842,800	812,613
CU3	-	-	-	13,319
SI02 (MG/KG) (MMUL/KG)	139,606	144,213	170,978	193,402
H802	34,018	109,000	83,256	3,968
H5P04	9,126	-	2,487	0,134
HAS02	-	-	2,889	0,001
CD2	176,040	-	-	0,003
H2S	-	-	-	26,485
RN (RE-10 CURIE/L)	-	-	-	-
NA/K	17,410	16,022	14,810	12,605
CA/(HCU3+CU3)	0,583	0,693	-	0,342
MG/CA	1,217	1,328	-	1,383
NA/CA	1,762	2,006	-	2,158
CL/(HCU3+CU3)	1,224	1,168	1,026	0,573
CL/F	-	-	-	-
CL*100/(CL+S04+HCU3+CU3)	54,222	-	50,369	35,805
S04*100/(CL+S04+HCU3+CU3)	1,489	-	0,548	1,759
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	44,250	-	49,083	62,436
(NA+K)*100/(NA+K+CA+MG)	45,658	47,790	-	49,421
CA*100/(NA+K+CA+MG)	24,512	22,423	-	21,221
MG*100/(NA+K+CA+MG)	29,830	29,787	-	29,359
(CL+S04)*100/(CL+S04+HCU3+CU3)	55,710	-	50,917	37,564
(HCU3+CU3)*100/(CL+S04+HCU3+CU3)	44,290	-	49,083	62,436
(NA+K)*100/(NA+K+CA+MG)	45,658	47,790	-	49,421
(CA+MG)*100/(NA+K+CA+MG)	24,342	22,210	-	21,221
				50,579

第35-2表 岩木山地域水質一覽表 (つづき)

	IKC 17	IKC 18	IKC 19	IKC 20
NU	42.0	43.0	33.0	32.0
TEMP	25.3, 38.0	14.5, 40.0	907.900	2175.050
TS ^m	6.80	7.40	6.60	6.40
PH(FU)	6.78	8.12	6.72	6.50
PH(LR)				
H (MG/KG) (MVAL/KG)				
K	175,000	4,476	0,220	2,430
NA	575,000	16,312	8,600	95,000
NH ₄	0,500	0,028	140,300	450,000
CA	114,880	5,733	0,000	0,000
MG	52,790	4,344	79,990	42,700
FE	2,500	119,556	82,610	28,270
MN	1,500	0,082	1,050	3,750
ZN	12,000	0,047	0,185	0,134
CU		0,367	0,000	0,000
PB		0,022	0,001	0,000
AL	58,620	6,518	0,130	0,014
CL	922,670	25,208	106,400	3,002
HK				
I				
F				
UH				
SU ₄	46,490	0,968	0,375	0,020
SZU ₃				
HC03		45,677	92,580	1,928
CU ₃	631,770	13,653	748,200	12,263
SU ₂ (MG/KG) (MMUL/KG)	216,212	3,600	73,991	1,232
HU ₂	38,450	0,877	4,401	0,100
H ₃ PO ₄	0,309	0,103	0,269	0,003
HASO ₂	0,020	0,003	0,014	0,000
CU ₂	286,060	6,499	0,000	0,000
H ₂ S				
HN (RE-10 CURIE/L)				
NA/K	3,644	22,496	27,743	8,055
CA/(HC03+CU3)	0,420	0,291	0,325	2,208
MG/CA	0,758	2,370	1,703	1,092
NA/CA	2,846	2,482	1,529	9,187
CL/(HC03+CU3)	1,702	0,673	0,245	26,323
CL/F			152,054	
CL*100/(CL+S04+HC03+CU3)	61,382	38,677	17,459	95,181
S04*100/(CL+S04+HC03+CU3)	2,560	3,838	11,212	1,204
(HC03+CU3)*100/(CL+S04+HC03+CU3)	56,058	57,485	71,329	3,616
(NA+K)*100/(NA+K+CA+MG)	67,353	43,479	36,950	83,157
CA*100/(NA+K+CA+MG)	18,573	16,773	23,325	8,052
MG*100/(NA+K+CA+MG)	14,074	39,748	39,725	8,791
(CL+S04)*100/(CL+S04+HC03+CU3)	63,942	42,515	28,671	96,384
(HC03+CU3)*100/(CL+S04+HC03+CU3)	56,058	57,485	71,329	3,616
(NA+K)*100/(NA+K+CA+MG)	67,353	43,479	36,950	83,157
(CA+MG)*100/(NA+K+CA+MG)	42,087	56,521	62,050	16,843

第35-2表 岩木山地域水質一覽表 (つづき)

NO	IKC 21		IKC 22		IKC 23	
	45.0	49.0	6528.000	4,257	26.5	322.000
TEMP	1699.000	6.60	7.40	18,000	0.460	1,914
PH(FD)	6.50	6.57	44,000	44,000	1,914	1,914
PH(LH)	6.93			7,140	0.356	0.356
H (MG/KG)(WAL/KG)				16,100	1.325	1.325
K	21,900	0.560	2,620	0.800	0.029	0.029
NA	540,400	14,807	2,168	2,600	0.095	0.095
NA4	0.150	0.008	0.050	0.000	-	-
CA	72,010	3,593	0.050	0.000	-	-
MG	111,800	9,200	0.050	0.000	-	-
FE	1,440	0.052	0.050	0.000	-	-
MN	6,020	0.001	0.000	0.000	-	-
ZN	0.001	0.000	0.000	0.000	-	-
CU	0.290	0.032	0.060	0.007	0.089	0.089
AL	496,500	14,006	3152,000	88,354	1,840	1,840
CL	-	-	-	-	-	-
HR	-	-	-	-	-	-
J	0.550	0.016	0.703	0.037	-	-
F	83,550	1,740	41,310	0.860	1,083	1,083
OH	-	-	-	-	-	-
SU4	60,600	12,466	1374,000	22,520	1,300	1,300
SZU3	-	-	-	-	-	-
HC05	-	-	-	-	-	-
CU3	-	-	-	-	-	-
S102 (MG/KG)(MMUL/KG)	130,012	2,165	154,552	2,573	11,978	0,199
H002	52,410	1,196	306,800	7,001	11,000	0,251
H3P04	0,149	0,002	0,473	0,005	1,899	0,019
HAS02	0,026	0,000	0,0	0,005	1,899	0,019
CO2	122,900	2,792	281,900	6,405	22,000	0,500
H2S	-	-	-	-	-	-
RN (RE-10 CURIE/L)	-	-	-	-	-	-
NA/K	26,432	23,219	43,579	4,157	4,157	4,157
CA/(HC03+CU3)	0,288	0,116	25,640	0,274	0,274	0,274
MG/CA	2,560	2,158	30,781	3,719	3,719	3,719
NA/CA	4,121	3,943	58,121	5,372	5,372	5,372
CL/(HC03+CU3)	1,124	3,923	58,121	1,416	1,416	1,416
CL/F	760,218	2387,556	58,121	1,416	1,416	1,416
CL*100/(CL+S04+HC03+CU3)	49,646	79,075	43,579	43,579	43,579	43,579
S04*100/(CL+S04+HC03+CU3)	6,166	0,770	25,640	25,640	25,640	25,640
(HC03+CO3)*100/(CL+S04+HC03+CU3)	44,188	20,155	30,781	30,781	30,781	30,781
(NA+K)*100/(NA+K+CA+MG)	54,571	92,611	58,121	58,121	58,121	58,121
CA*100/(NA+K+CA+MG)	12,760	2,340	8,785	8,785	8,785	8,785
MG*100/(NA+K+CA+MG)	52,669	5,049	32,668	32,668	32,668	32,668
(CL+S04)*100/(CL+S04+HC03+CU3)	55,812	79,845	69,219	69,219	69,219	69,219
(HC03+CO3)*100/(CL+S04+HC03+CU3)	44,188	20,155	30,781	30,781	30,781	30,781
(NA+K)*100/(NA+K+CA+MG)	54,571	92,611	58,121	58,121	58,121	58,121
(CA+MG)*100/(NA+K+CA+MG)	45,429	7,389	41,453	41,453	41,453	41,453

第35-3表 岩木山地域特定成分含量の頻度分布表

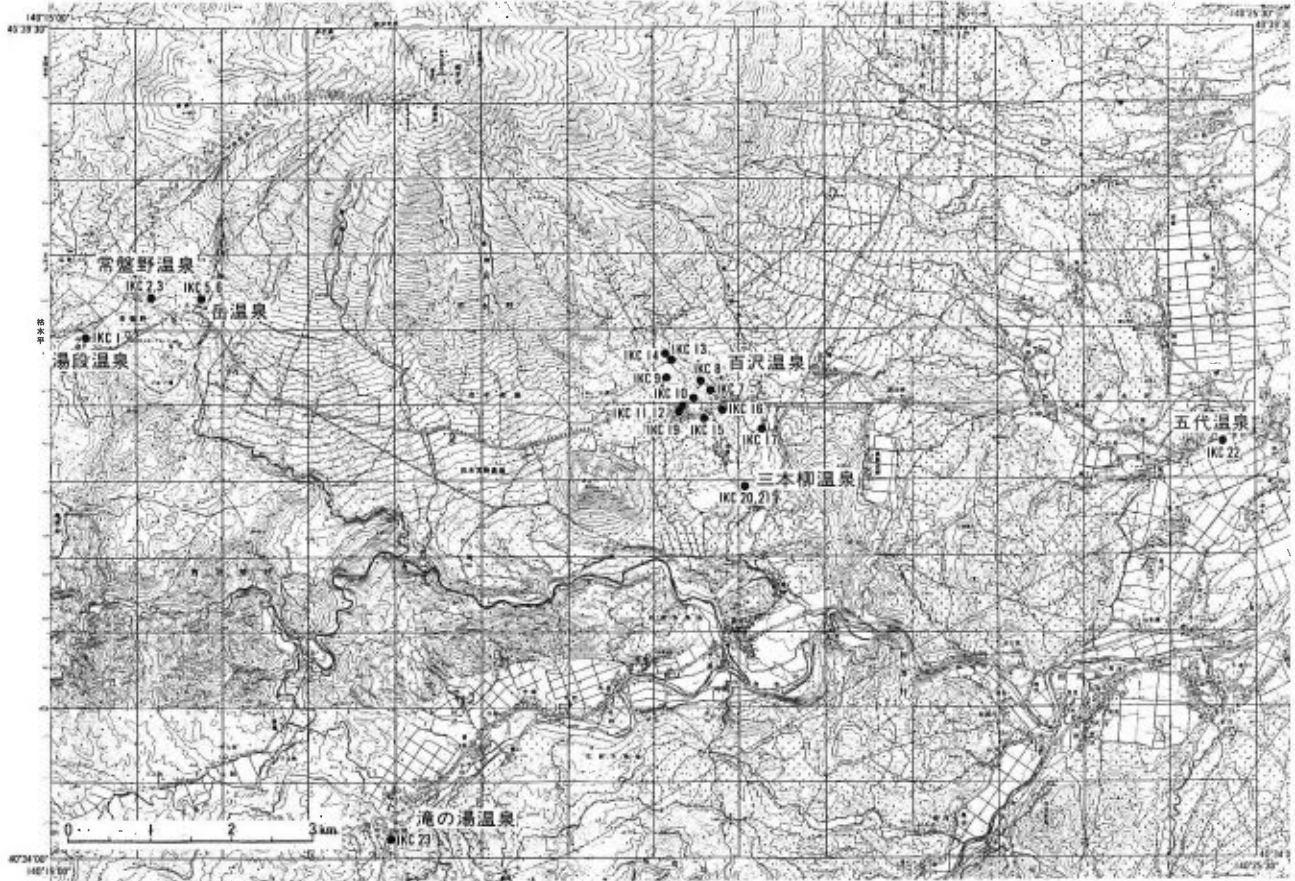
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

ZN				CU				
	N	F(%)		N	F(%)		N	F(%)
ND	22	95.7	ND	10	43.5			
<0.500	0	0.0	<0.300	19	56.5			
<5.000	0	0.0	<3.000	0	0.0			
>5.000	0	0.0	>3.000	0	0.0			
TOTAL	23	100.0	TOTAL	23	100.0			

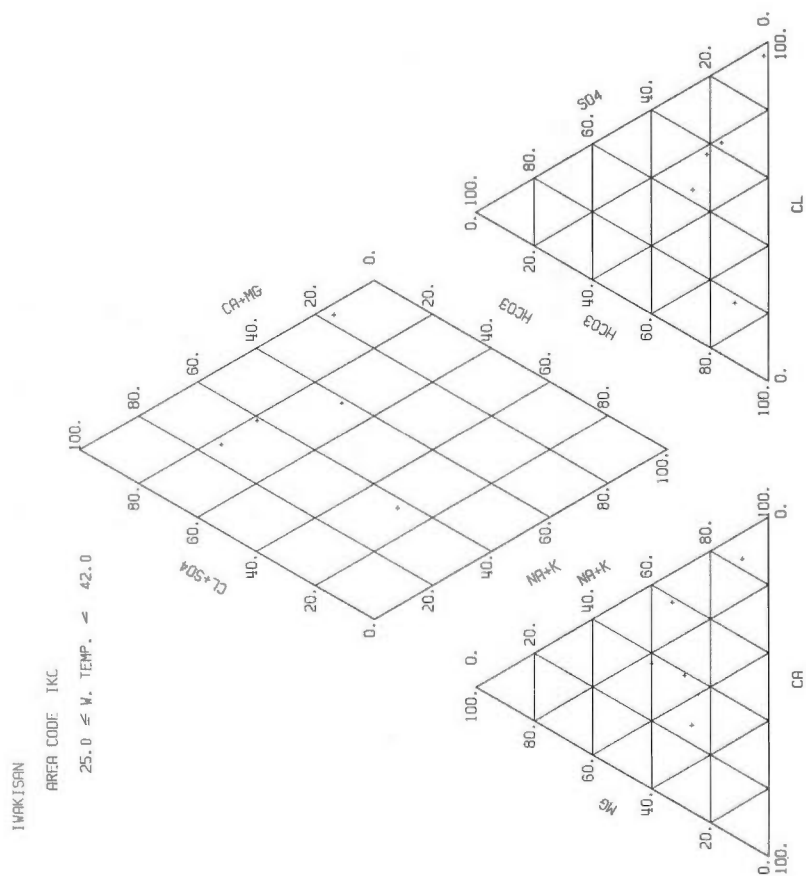
PB				AS				
	N	F(%)		N	F(%)		N	F(%)
ND	22	95.7	ND	11	47.8			
<0.100	1	4.3	<0.050	10	43.5			
<1.000	0	0.0	<0.500	2	8.7			
>1.000	0	0.0	<5.000	0	0.0			
			>5.000	0	0.0			
TOTAL	23	100.0	TOTAL	23	100.0			

H2S			
	N	F(%)	
ND	19	82.6	
< 1.000	0	0.0	N= NUMBER OF SAMPLES
< 10.000	2	8.7	F= FREQUENCY (%)
<100.000	2	8.7	
>100.000	0	0.0	
TOTAL	23	100.0	

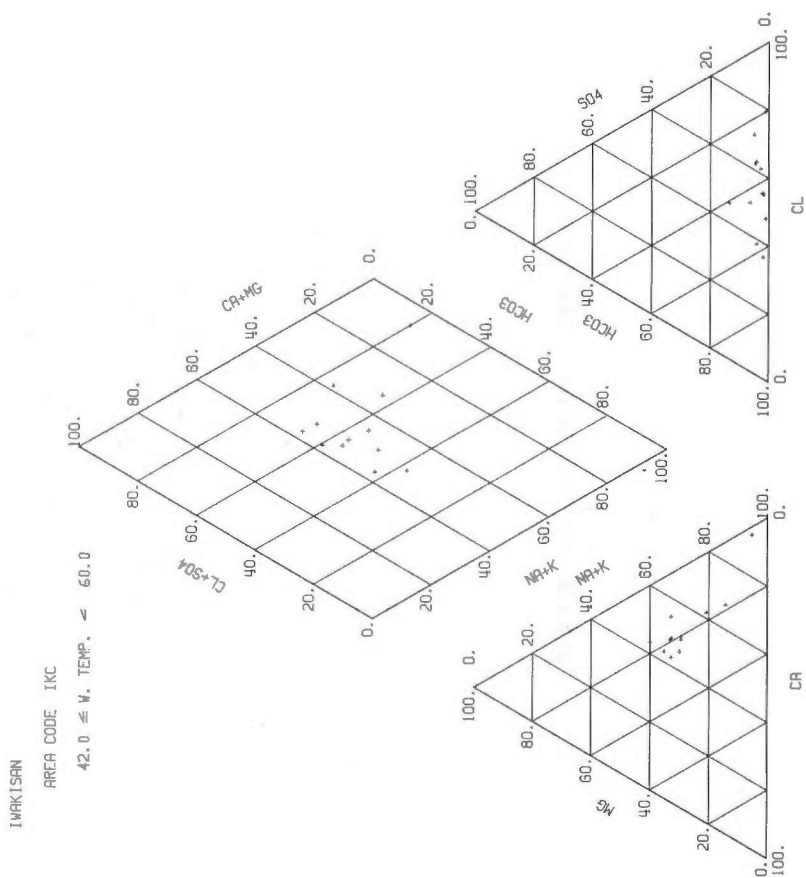
第35-1図 岩木山地域の温泉分布及び試料採取地
 (この地図は、国土地理院発行の2万5千分の1地形図「岩木山」、「弘前」、「陸奥田代」及び「久渡寺」を使用したものである。)



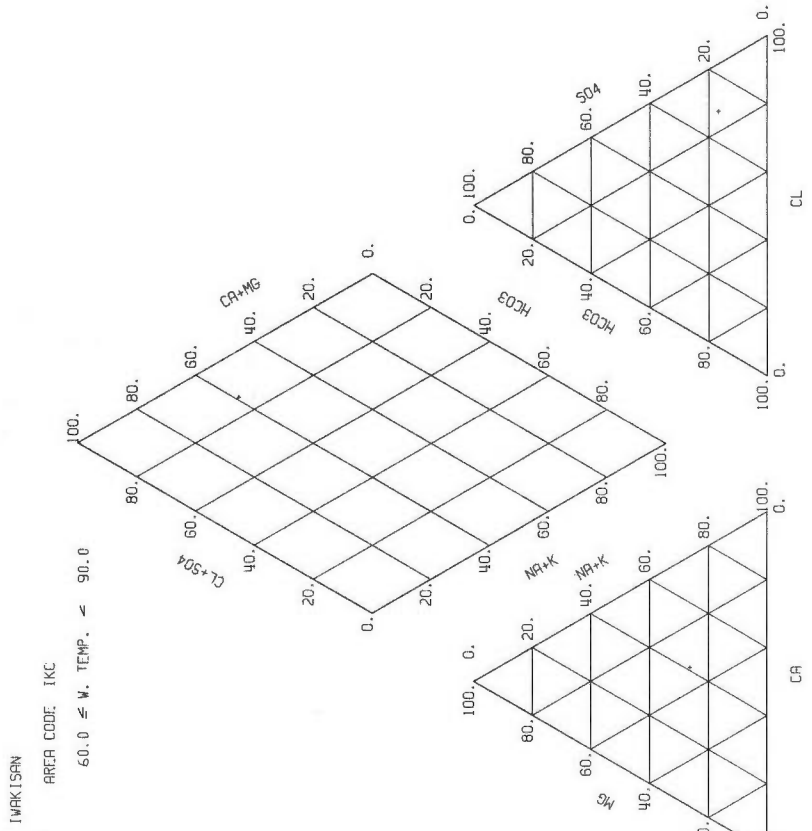
第 35-2 図 岩木山地域水質組成図 (その 1) (水温25℃以上42℃未満)



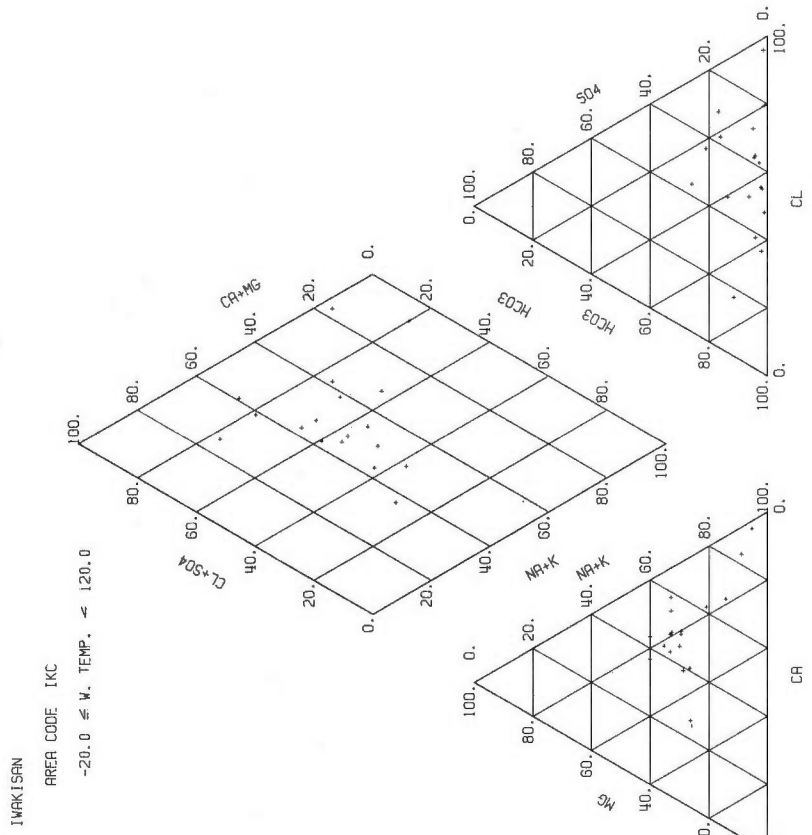
第 35-2 図 岩木山地域水質組成図 (その 2) (水温42℃以上60℃未満)



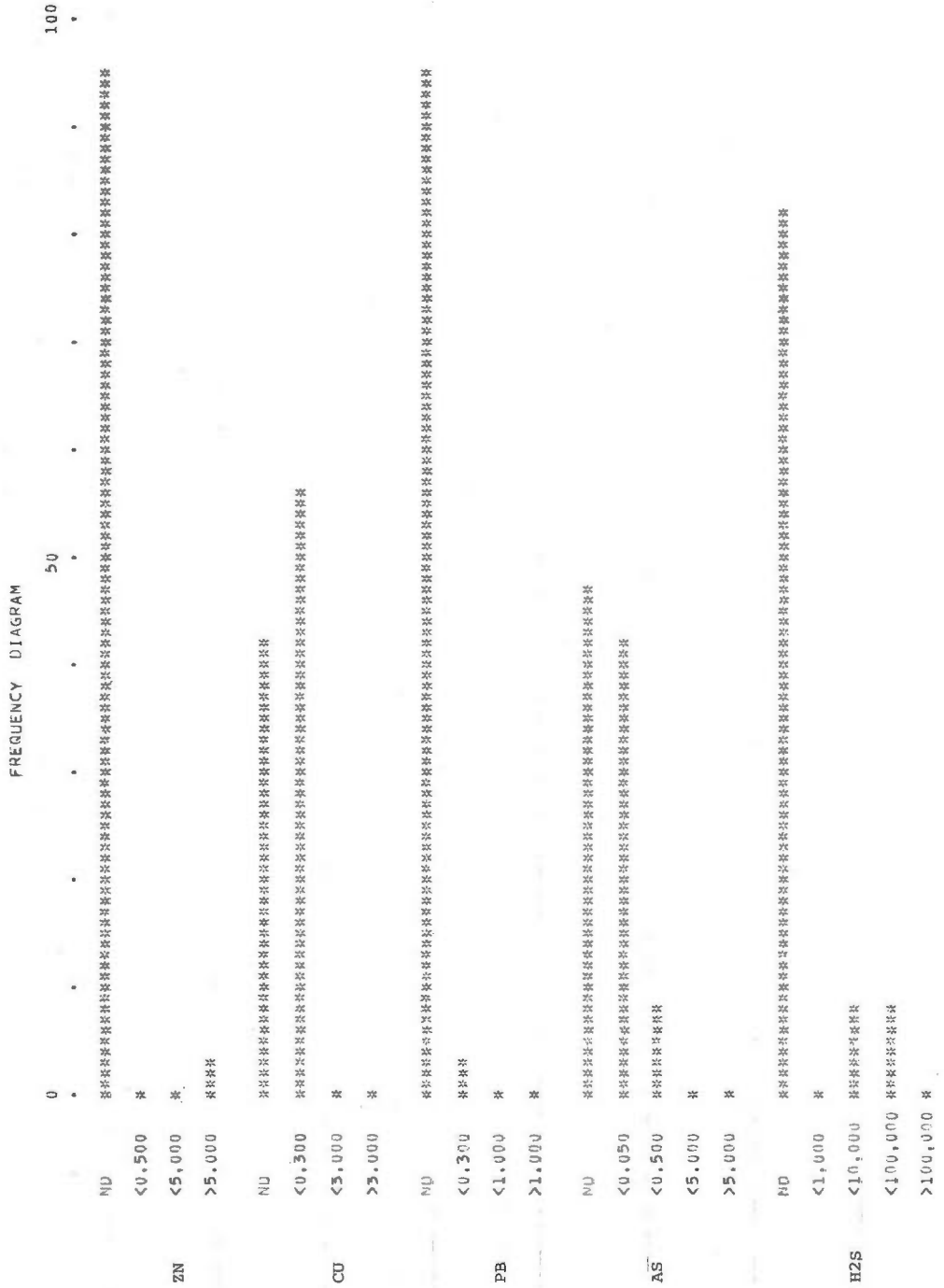
第35-2図 岩木山地域水質組成図(その3) (水温60℃以上90℃未満)



第35-2図 岩木山地域水質組成図(その4) (全試料)



第 35-3 図 岩木山地域特定成分含量の頻度分布図

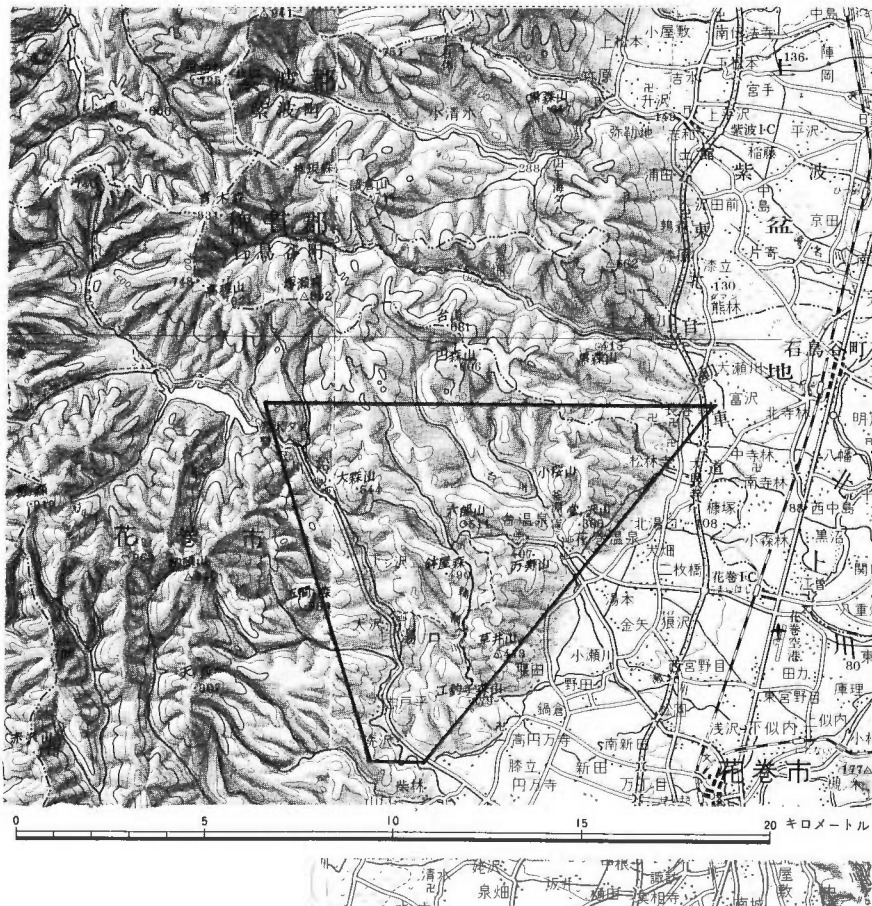


36. 花巻

Hanamaki

位置	岩手県花巻市
データ数	31
収集・整理	阿部智彦・比留川 貴・日鉦探開(株)
協力	岩手県衛生研究所

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「秋田」、「盛岡」を使用したものである）



第 36-2 表 花卷地域水質一覽表

	HMC 1	HMC 2	HMC 3	HMC 4
NO				
TEMP	47.0	34.0	62.0	63.0
TSM	955.000	1167.000	1.342	966.000
PH(FD)	7.95	8.20	8.40	8.10
PH(CLB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	5.200	0.133	0.205	0.190
NA	261.650	4.000	8.000	7.430
NA4		288.620	344.120	255.550
CA	54.490	21.670	53.760	35.630
MG	1.190	0.098	2.540	0.350
FE	1.400	0.050	6.530	0.270
MN	-	-	-	-
ZN	0.210	0.006	-	-
CU	0.240	0.008	-	-
PB	-	-	-	-
AL	0.290	0.032	5.030	0.260
CL	35.800	1.010	132.830	82.790
BR	-	41.960	-	0.070
I	-	-	-	-
F	6.550	0.345	3.300	5.400
OH	0.110	0.006	-	0.284
S04	512.520	10.671	624.860	440.800
S203	-	-	-	-
HC03	128.100	2.100	103.700	87.230
CO3	4.720	0.157	-	-
S102 (MG/KG) (MMOL/KG)				
HS02	3.289	0.055	91.013	133.469
H3P04	6.592	0.150	49.624	21.022
HAS02	-	-	-	-
CO2	0.490	0.011	1.141	-
H2S	1.679	0.049	2.390	1.190
RN (*E-10 CURIE/L)	1.710	1.620	1.480	2.870
NA/K	85.567	122.703	73.149	58.489
CA/(HC03+CO3)	1.205	0.649	1.578	1.244
MG/CA	0.036	1.931	0.078	0.016
NA/CA	4.186	11.611	5.580	6.252
CL/(HC03+CO3)	0.447	0.711	2.205	1.634
CL/F	2.929	3.748	21.571	8.216
CL*100/(CL+S04+HC03+CO3)	7.246	7.519	20.303	18.045
S04*100/(CL+S04+HC03+CO3)	76.561	81.901	70.488	70.909
(HC03+CO3)*100/(CL+S04+HC03+CO3)	16.193	10.581	9.209	11.046
(NA+K)*100/(NA+K+CA+MG)	80.345	79.976	83.994	86.222
CA*100/(NA+K+CA+MG)	16.972	6.832	14.849	13.558
MG*100/(NA+K+CA+MG)	0.683	13.191	1.157	0.220
(CL+S04)*100/(CL+S04+HC03+CO3)	83.807	89.419	90.791	88.954
(HC03+CO3)*100/(CL+S04+HC03+CO3)	16.193	10.581	9.209	11.046
(NA+K)*100/(NA+K+CA+MG)	80.345	79.976	83.994	86.222
(CA+MG)*100/(NA+K+CA+MG)	19.655	20.024	16.006	13.778

第36-2表 花巻地域水質一覽表 (つづき)

NO	HMC 5	HMC 6	HMC 7	HMC 8
TEMP	58.5	44.0	36.0	53.5
TSM	720.700	698.000	678.000	614.200
PH(F/D)	8.10	8.70	9.10	8.60
PH(L/B)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	4.850	2.100	9.110	0.233
NA	206.220	206.830	220.000	3.300
NH4	-	-	-	173.890
CA	15.040	0.340	2.180	6.180
MG	0.130	0.100	1.200	0.200
FE	0.260	0.380	0.130	0.016
MN	-	-	TR.	0.006
ZN	-	-	0.300	-
CU	-	0.110	-	-
PB	-	-	-	-
AL	0.170	-	0.200	-
CL	60.990	76.500	72.860	35.810
BR	0.060	-	-	0.260
I	-	-	-	-
F	4.700	9.150	7.500	6.000
OH	-	1.700	-	0.316
S04	292.330	258.630	247.520	221.400
S203	-	-	-	4.610
HCO3	116.510	65.050	166.890	2.016
CO3	-	4.500	-	-
SI02 (MG/KG) (MMOL/KG)	-	-	-	-
HI02	116.784	76.012	67.010	96.077
H3PO4	20.143	47.884	20.161	25.402
HAS02	-	-	-	-
CO2	-	0.160	-	-
H2S	1.270	2.330	-	-
RN (*E-10 CURIE/L)	2.770	3.500	0.510	3.780
NAVK	72.307	167.488	41.067	89.505
CA/(HCO3+CO3)	0.393	0.014	0.040	0.153
MG/CA	0.014	0.485	0.908	0.053
NA/CA	11.953	530.302	87.974	24.501
CL/(HCO3+CO3)	0.901	1.775	0.751	0.501
CL/F	6.934	4.481	5.206	3.198
CL*100/(CL+S04+HCO3+CO3)	17.707	24.639	20.669	13.229
S04*100/(CL+S04+HCO3+CO3)	62.639	61.477	51.823	60.364
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	19.653	13.885	27.507	26.407
(NA+K)*100/(NA+K+CA+MG)	92.277	99.722	97.927	95.922
CA*100/(NA+K+CA+MG)	7.615	0.187	1.087	3.872
MG*100/(NA+K+CA+MG)	0.109	0.091	0.986	0.207
(CL+S04)*100/(CL+S04+HCO3+CO3)	80.347	86.115	72.493	73.593
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	19.653	13.885	27.507	26.407
(NA+K)*100/(NA+K+CA+MG)	92.277	99.722	97.927	95.922
(CA+MG)*100/(NA+K+CA+MG)	7.723	0.278	2.073	4.078

第 36-2 表 花巻地域水質一覽表 (つづき)

NO	HMC 9			HMC 10			HMC 11			HMC 12		
	TEMP	TSM	PH(FD)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)
H (MG/KG) (MVAL/KG)												
K	3.900	216.080	0.100	2.500	0.064	0.064	16.250	0.416	3.650	0.093		
NA	—	—	9.399	124.630	6.726	11.963	275.000	11.963	146.000	6.351		
NH4	—	—	—	—	—	—	0.0	—	—	—		
CA	8.500	—	0.424	5.060	0.252	2.695	54.000	2.695	67.000	3.343		
MG	0.300	—	0.025	0.180	0.015	0.018	0.220	0.018	0.050	0.004		
FE	0.090	—	0.003	0.150	0.005	0.007	0.200	0.007	0.380	0.014		
MN	—	—	—	—	—	—	0.050	0.002	—	0.001		
ZN	—	—	—	—	—	—	—	—	—	—		
CU	—	—	—	—	—	—	0.0	—	—	0.008		
PB	—	—	—	—	—	—	—	—	—	—		
AL	—	—	—	TR.	—	—	0.101	0.011	0.104	0.012		
CL	85.080	—	2.400	18.580	0.524	5.509	195.300	5.509	123.800	3.487		
BR	0.130	—	0.002	0.190	0.002	—	0.0	—	0.0	—		
I	—	—	—	—	—	—	0.0	—	—	—		
F	5.700	—	0.300	5.600	0.295	0.342	6.500	0.342	7.000	0.368		
OH	—	—	—	—	—	—	0.027	0.002	0.027	0.002		
S04	264.560	—	5.508	211.800	4.410	8.311	399.200	8.311	230.500	4.799		
S2O3	—	—	—	—	—	—	—	—	—	—		
HC03	103.700	—	1.700	111.630	1.830	0.914	55.750	0.914	65.310	1.070		
CO3	—	—	—	—	—	—	0.923	0.017	0.612	0.020		
ST02 (MG/KG) (MMOL/KG)	97.677	—	1.626	87.891	1.463	0.049	2.956	0.049	1.443	0.024		
HB02	17.102	—	0.390	21.022	0.480	0.028	1.231	0.028	—	—		
H3PO4	—	—	—	—	—	—	—	—	—	—		
HAS02	—	—	—	—	—	—	0.004	0.000	—	—		
CO2	—	—	—	—	—	—	0.844	0.019	0.969	0.022		
H2S	4.626	—	0.136	2.850	0.084	—	—	—	—	—		
RN (*E-10 CURIE/L)	—	—	—	2.190	—	—	—	1.620	—	3.170		
NA/K	94.219	—	105.182	28.778	2.894	68.022	28.778	3.065	3.065	—		
CA/(HC03+CO3)	0.250	—	0.138	0.059	0.007	0.001	0.007	0.001	0.001	—		
MG/CA	0.058	—	0.059	0.059	4.439	1.900	4.439	3.196	3.196	—		
NA/CA	22.161	—	26.640	0.286	5.917	9.463	5.917	9.463	9.463	—		
CL/(HC03+CO3)	1.412	—	1.778	7.750	37.347	37.186	16.102	37.186	37.186	—		
CL/F	7.999	—	17.690	65.199	56.341	51.181	11.634	51.181	51.181	—		
CL*100/(CL+S04+HC03+CO3)	24.981	—	27.052	27.052	82.024	65.814	82.024	65.814	65.814	—		
S04*100/(CL+S04+HC03+CO3)	57.329	—	96.213	96.213	17.856	34.144	17.856	34.144	34.144	—		
(HC03+CO3)*100/(CL+S04+HC03+CO3)	17.690	—	0.210	0.210	0.120	0.042	0.120	0.042	0.042	—		
(NA+K)*100/(NA+K+CA+MG)	95.488	—	72.948	72.948	93.688	88.366	93.688	88.366	88.366	—		
CA*100/(NA+K+CA+MG)	4.264	—	27.052	27.052	6.312	11.634	6.312	11.634	11.634	—		
MG*100/(NA+K+CA+MG)	0.248	—	82.024	82.024	82.024	65.814	82.024	65.814	65.814	—		
(CL+S04)*100/(CL+S04+HC03+CO3)	82.310	—	96.213	96.213	82.024	65.814	96.213	65.814	65.814	—		
(HC03+CO3)*100/(CL+S04+HC03+CO3)	17.690	—	3.787	3.787	17.976	34.186	3.787	17.976	34.186	—		
(NA+K)*100/(NA+K+CA+MG)	95.488	—	82.024	82.024	82.024	65.814	82.024	65.814	65.814	—		
(CA+MG)*100/(NA+K+CA+MG)	4.512	—	96.213	96.213	96.213	65.814	96.213	65.814	65.814	—		

第36-2表 花巻地域水質一覽表(つづき)

NO	HMC 13			HMC 14			HMC 15			HMC 16			
		50.5	64.0		64.0	42.6		42.6	40.0		40.0		40.0
TEMP	327.500	928.600	928.600	928.600	270.000	270.000	270.000	220.000	220.000	220.000	220.000	220.000	220.000
TSM	8.45	8.45	8.45	8.45	9.10	9.10	9.10	8.40	8.40	8.40	8.40	8.40	8.40
PH(FD)	8.64	8.64	8.64	8.64	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90
PH(LB)													
H (MG/KG)(MVAL/KG)													
K	0.0	0.105	0.320	0.320	8.800	8.800	8.800	0.225	0.225	0.225	0.225	0.037	
NA	4.100	4.133	8.961	8.961	60.100	60.100	60.100	2.614	2.614	2.614	2.614	3.480	
NR4	TR												
CA	5.442	0.272	2.124	2.124	4.400	4.400	4.400	0.220	0.220	0.220	0.220	0.137	
MG	0.102	0.008	0.140	0.140	0.050	0.050	0.050	0.004	0.004	0.004	0.004	0.051	
FE	0.460	0.016	0.183	0.183	0.170	0.170	0.170	0.006	0.006	0.006	0.006	0.002	
MN	0.0												
ZN													
CU	0.0												
PR													
AL	0.120	0.013	0.078	0.078	0.020	0.020	0.020	0.002	0.002	0.002	0.002	0.198	
CL	16.680	0.471	4.122	4.122	5.360	5.360	5.360	0.151	0.151	0.151	0.151	0.205	
BR	0.0		0.390	0.390									
I	0.0												
F	7.600	0.400	0.242	0.242	1.300	1.300	1.300	0.068	0.068	0.068	0.068	0.079	
OH	0.054	0.003	0.302	0.302	0.220	0.220	0.220	0.013	0.013	0.013	0.013	0.079	
S04	90.500	1.884	5.826	5.826	28.640	28.640	28.640	0.596	0.596	0.596	0.596	0.677	
S203													
HC03	102.500	1.680	1.125	1.125	122.700	122.700	122.700	2.011	2.011	2.011	2.011	2.940	
CO3	0.933	0.031	0.000	0.000	9.080	9.080	9.080	0.303	0.303	0.303	0.303	0.198	
S102 (MG/KG)(MMOL/KG)													
HB02	2.259	0.038	0.210	0.210									
H3P04	1.757	0.040	0.183	0.183									
HAS02													
CO2	0.076	0.001											
H2S	0.788	0.018											
RN (*E-10 CURIE/L)		0.0											
NA/K	39.403	28.025	11.614	11.614	93.823	93.823	93.823	0.47	0.47	0.47	0.47	0.783	
CA/(HC03+CO3)	0.159	1.888	0.095	0.095	0.047	0.047	0.047	0.038	0.038	0.038	0.038	0.064	
MG/CA	0.031	0.066	0.019	0.019	0.245	0.245	0.245	0.003	0.003	0.003	0.003	0.064	
NA/CA	15.218	4.218	11.907	11.907	0.182	0.182	0.182	0.002	0.002	0.002	0.002	0.064	
CL/(HC03+CO3)	0.275	3.663	0.065	0.065	0.240	0.240	0.240	0.005	0.005	0.005	0.005	0.064	
CL/F	1.176	17.022	2.210	2.210	0.800	0.800	0.800	0.005	0.005	0.005	0.005	0.064	
CL*100/(CL+S04+HC03+CO3)	11.573	37.224	4.939	4.939	5.373	5.373	5.373	17.702	17.702	17.702	17.702	0.064	
S04*100/(CL+S04+HC03+CO3)	46.343	52.613	19.479	19.479	76.925	76.925	76.925	94.932	94.932	94.932	94.932	0.064	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	42.084	10.163	75.582	75.582	92.698	92.698	92.698	7.168	7.168	7.168	7.168	0.064	
(NA+K)*100/(NA+K+CA+MG)	93.803	80.388	1.212	1.212	0.134	0.134	0.134	24.418	24.418	24.418	24.418	0.064	
CA*100/(NA+K+CA+MG)	6.011	18.400	7.168	7.168	1.377	1.377	1.377	76.925	76.925	76.925	76.925	0.064	
MG*100/(NA+K+CA+MG)	0.186	1.212	0.134	0.134	0.068	0.068	0.068	94.932	94.932	94.932	94.932	0.064	
(CL+S04)*100/(CL+S04+HC03+CO3)	57.916	89.837	24.418	24.418	76.925	76.925	76.925	23.075	23.075	23.075	23.075	0.064	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	42.084	10.163	75.582	75.582	92.698	92.698	92.698	7.168	7.168	7.168	7.168	0.064	
(NA+K)*100/(NA+K+CA+MG)	93.803	80.388	1.212	1.212	0.134	0.134	0.134	76.925	76.925	76.925	76.925	0.064	
(CA+MG)*100/(NA+K+CA+MG)	6.197	19.612	7.302	7.302	0.068	0.068	0.068	94.932	94.932	94.932	94.932	0.064	

第36-2表 花巻地域水質一覽表 (つづき)

	HMC 21	HMC 22	HMC 23	HMC 24
NO	66.2	51.5	89.0	60.0
TEMP	969.000	712.000	802.000	1000.000
TSM	8.20	8.60	8.00	8.40
PH(FD)	8.07	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	0.0	-	-	-
NA	7.800	3.600	8.090	5.000
NH4	277.100	225.000	229.250	301.000
CA	0.355	0.020	-	0.207
MG	24.530	11.830	17.590	0.878
FE	0.049	0.010	0.250	0.021
MN	0.043	0.010	0.080	0.003
ZN	TR.	-	-	-
CU	-	0.030	-	0.100
PB	0.0	-	-	0.003
AL	1.068	0.150	2.760	0.750
CL	135.900	102.200	115.700	155.960
BR	0.0	-	-	-
I	0.0	-	-	-
F	6.680	6.200	5.400	6.000
OH	0.027	0.002	0.004	0.030
SO4	377.400	286.600	306.440	395.220
S2O3	-	-	-	-
HCO3	88.720	78.230	88.820	88.660
CO3	0.414	0.909	1.456	1.720
SI02 (MG/KG) (MMOL/KG)				
HR02	1.904	0.032	-	91.414
H3PO4	1.402	0.032	126.369	110.050
HAS02	-	-	45.243	2.511
CO2	1.342	0.030	-	-
H2S	1.772	0.052	-	-
RN (*E-10 CURIE/L)	2.550	2.780	1.250	2.870
NA/K	60.413	106.284	48.189	102.373
CA/(HCO3+CO3)	0.834	0.450	0.603	0.766
MG/CA	0.003	0.001	0.023	0.052
NA/CA	9.848	16.580	11.361	11.310
CL/(HCO3+CO3)	2.612	2.197	2.242	2.913
CL/F	10.903	8.834	11.482	13.930
CL*100/(CL+S04+HCO3+CO3)	29.134	28.369	29.405	31.118
SO4*100/(CL+S04+HCO3+CO3)	59.711	58.716	57.480	58.199
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.155	12.915	13.115	10.683
(NA+K)*100/(NA+K+CA+MG)	90.891	94.354	91.891	91.566
CA*100/(NA+K+CA+MG)	9.079	5.638	7.924	8.018
MG*100/(NA+K+CA+MG)	0.030	0.008	0.186	0.416
(CL+S04)*100/(CL+S04+HCO3+CO3)	88.845	87.085	86.885	89.317
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.155	12.915	13.115	10.683
(NA+K)*100/(NA+K+CA+MG)	90.891	94.354	91.891	91.566
(CA+MG)*100/(NA+K+CA+MG)	9.109	5.646	8.109	8.434

第36-2表 花巻地域水質一覽表 (つづき)

NO	HMC 25			HMC 26			HMC 27			HMC 28																																						
	TEMP	TSM	PH(FD)	PH(LB)	H (MG/KG) (MVAL/KG)	K	NA	NH4	CA	MG	FF	MN	ZN	CU	PR	AL	CL	BR	I	F	OH	S04	S203	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)	(CA+MG)*100/(NA+K+CA+MG)
	32.0	290.800	8.30		2.960	56.400	8.130	1.560	0.100						6.700	37.720			1.900			111.920	19.240			50.008	46.783			2.640	1.390	1.380	32.402	1.286	0.316	6.048	3.374	10.639	28.685	62.815	8.501	82.565	13.244	4.191	91.499	8.501	82.565	17.435
	71.0	837.000	7.60		4.270	233.720	20.000	1.000	0.070						0.530	118.410		4.000			315.210	75.030			140.022	80.007					1.990	93.080	0.812	0.082	10.187	2.716	15.864	30.005	58.949	11.046	90.487	8.788	0.725	88.954	11.046	90.487	9.513	
	100.0	1245.000	7.90		0.109	10.167	0.998	0.082	0.003						0.059	3.340		5.800			465.740	88.760			156.425	87.207					1.230	56.309	1.170	0.058	8.423	3.421	16.300	30.856	60.123	9.020	89.013	10.384	0.603	90.980	9.020	89.013	10.987	
	98.0	1234.000	8.30		0.255	14.332	1.624	0.200	0.001						0.115	0.010		6.000			485.400	161.500			5.126	1.754					1.250	56.361	0.606	0.010	9.323	1.399	11.861	22.663	61.135	16.202	90.378	9.525	0.097	83.798	16.202	90.378	9.622	
	8.30				10.500	348.000	32.540	0.664	0.008						0.0			0.034			161.500	0.938			0.009	1.910					0.009	1.250	0.606	0.010	9.323	1.399	11.861	22.663	61.135	16.202	90.378	9.525	0.097	83.798	16.202	90.378	9.622	

第36-2表 花巻地域水質一覽表 (つづき)

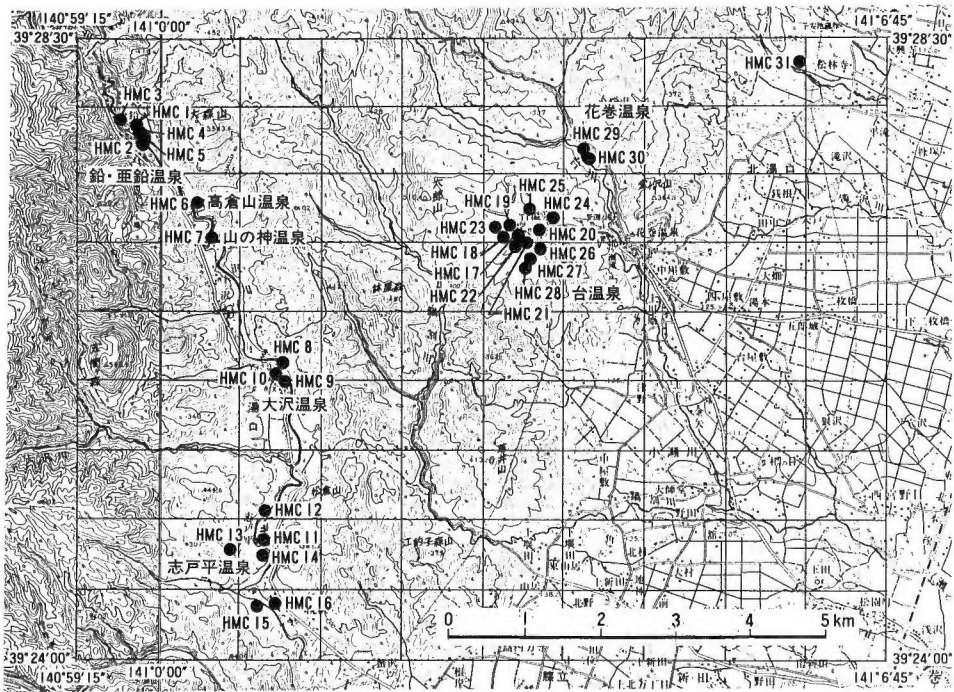
NO	HMC 29			HMC 30			HMC 31		
TEMP	35.0			40.5			35.8		
TSM	825.000			770.000			404.000		
PH(FD)	8.25			9.05			8.70		
PH(LB)	-			-			8.90		
H (MG/KG)(MVAL/KG)									
K	4.800	0.123	2.000	0.051	0.022	0.850	0.022		
NA	176.860	7.693	220.000	9.570	4.113	94.560	4.113		
NH4	-	-	-	-	-	-	-		
CA	10.400	0.519	14.800	0.739	0.086	1.720	0.086		
MG	1.460	0.120	0.100	0.008	0.039	0.470	0.039		
FE	19.000	0.680	0.360	0.013	0.074	2.080	0.074		
MN	-	-	-	-	-	0.010	0.000		
ZN	-	-	0.020	0.001	0.000	-	-		
CU	-	-	0.080	0.003	0.000	0.002	0.000		
PB	-	-	-	-	-	-	-		
AL	3.870	0.430	0.630	0.070	0.623	5.600	0.623		
CL	98.170	2.769	108.090	3.049	1.037	36.760	1.037		
BR	-	-	-	-	-	-	-		
I	-	-	-	-	-	-	-		
F	4.000	0.211	8.500	0.447	0.089	1.700	0.089		
OH	-	-	-	-	-	0.580	0.034		
SO4	245.870	5.119	316.930	6.598	1.255	60.280	1.255		
SE03	-	-	-	-	-	-	-		
HC03	89.180	1.462	18.660	0.306	2.404	146.700	2.404		
CO3	-	-	-	-	-	4.320	0.144		
SI02 (MG/KG)(MMOL/KG)	262.042	4.363	45.392	0.756	-	-	-		
HR02	73.007	1.666	87.327	1.993	-	-	-		
H3PO4	-	-	-	-	-	0.345	0.004		
HAS02	-	-	-	-	-	-	-		
CO2	-	-	-	-	-	0.0	-		
H2S	0.520	0.015	0.800	0.023	0.010	0.010	0.000		
RN (=E-10 CURIE/L)	0.862		1.174		0.430				
NA/K	62.658		187.060		189.181				
CA/(HC03+CO3)	0.355		2.415		0.034				
MG/CA	0.252		0.011		0.451				
NA/CA	14.825		12.958		47.926				
CL/(HC03+CO3)	1.895		9.970		0.407				
CL/F	13.152		6.815		11.588				
CL*100/(CL+S04+HC03+CO3)	29.619		30.635		21.424				
SO4*100/(CL+S04+HC03+CO3)	54.749		66.293		25.928				
(HC03+CO3)*100/(CL+S04+HC03+CO3)	15.633		3.073		52.648				
(NA+K)*100/(NA+K+CA+MG)	92.441		92.797		97.077				
CA*100/(NA+K+CA+MG)	6.138		7.123		2.015				
MG*100/(NA+K+CA+MG)	1.421		0.079		0.908				
(CL+S04)*100/(CL+S04+HC03+CO3)	84.367		96.927		47.352				
(HC03+CO3)*100/(CL+S04+HC03+CO3)	15.633		3.073		52.648				
(NA+K)*100/(NA+K+CA+MG)	92.441		92.797		97.077				
(CA+MG)*100/(NA+K+CA+MG)	7.559		7.203		2.923				

第 36-3 表 花巻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	80.6	ND		21	67.7
<0.500		6	19.4	<0.300		10	32.3
<5.000		0	0.	<3.000		0	0.
>5.000		0	0.	>3.000		0	0.
TOTAL		31	100.0	TOTAL		31	100.0
PB		N	F(%)	AS		N	F(%)
ND		31	100.0	ND		24	77.4
<0.100		0	0.	<0.050		3	9.7
<1.000		0	0.	<0.500		3	9.7
>1.000		0	0.	<5.000		1	3.2
TOTAL		31	100.0	>5.000		0	0.
TOTAL		31	100.0	TOTAL		31	100.0
H2S		N	F(%)	N= NUMBER OF SAMPLES		F= FREQUENCY (%)	
ND		3	9.7				
< 1.000		8	25.8				
< 10.000		20	64.5				
<100.000		0	0.				
>100.000		0	0.				
TOTAL		31	100.0				

第 36-1 図 花巻地域の温泉分布及び試料採取地
 (この地図は、国土地理院発行の5万分の1地形図「新町」及び「花巻」を使用したものである.)

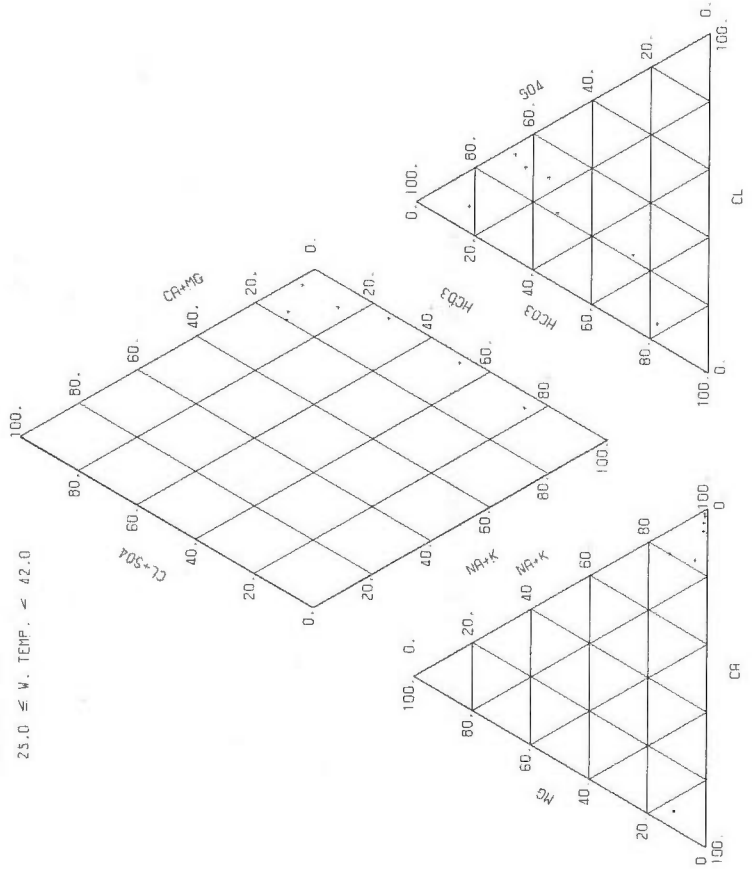


第 36-2 図 花巻地域水質組成図 (その 1) (水温25°C以上42°C未満)

HANNAKAI

AREA CODE HMC

25.0 ≦ W. TEMP. < 42.0

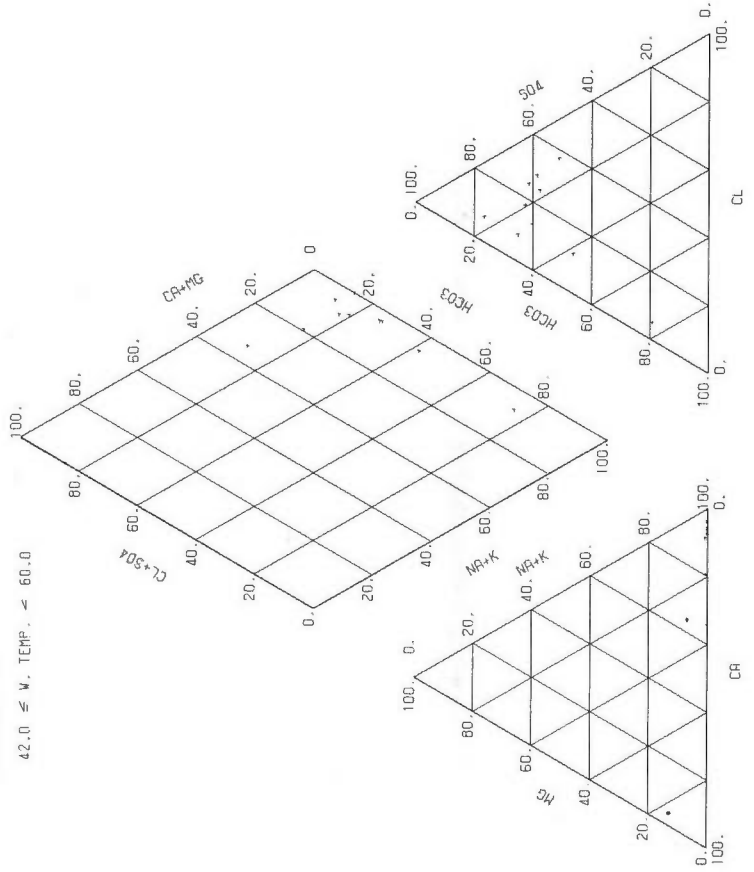


第 36-2 図 花巻地域水質組成図 (その 2) (水温42°C以上60°C未満)

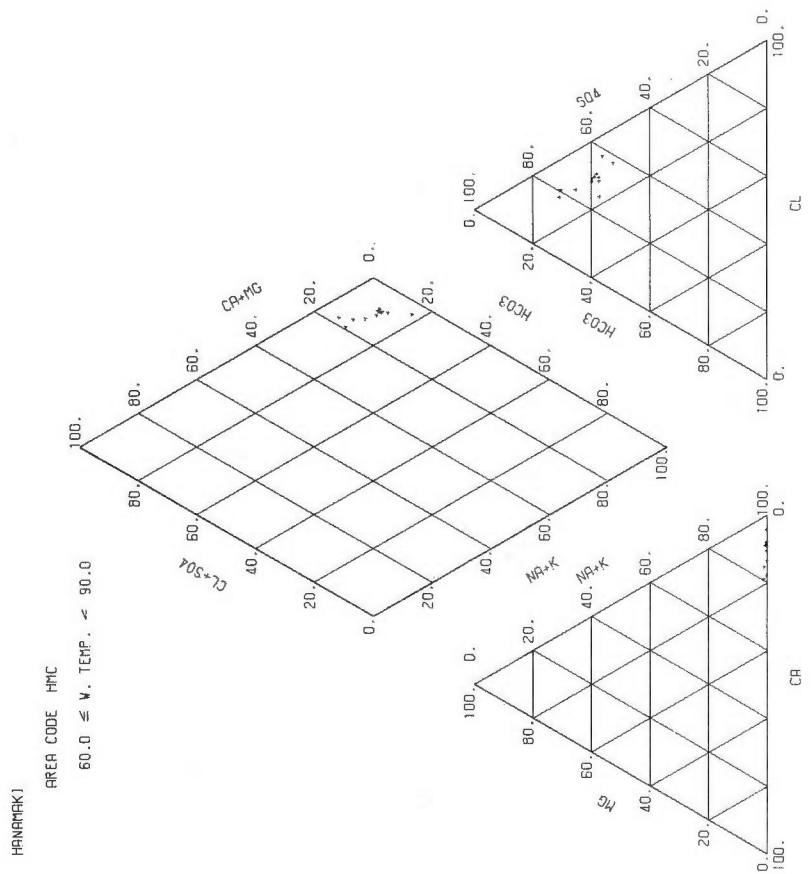
HANNAKAI

AREA CODE HMC

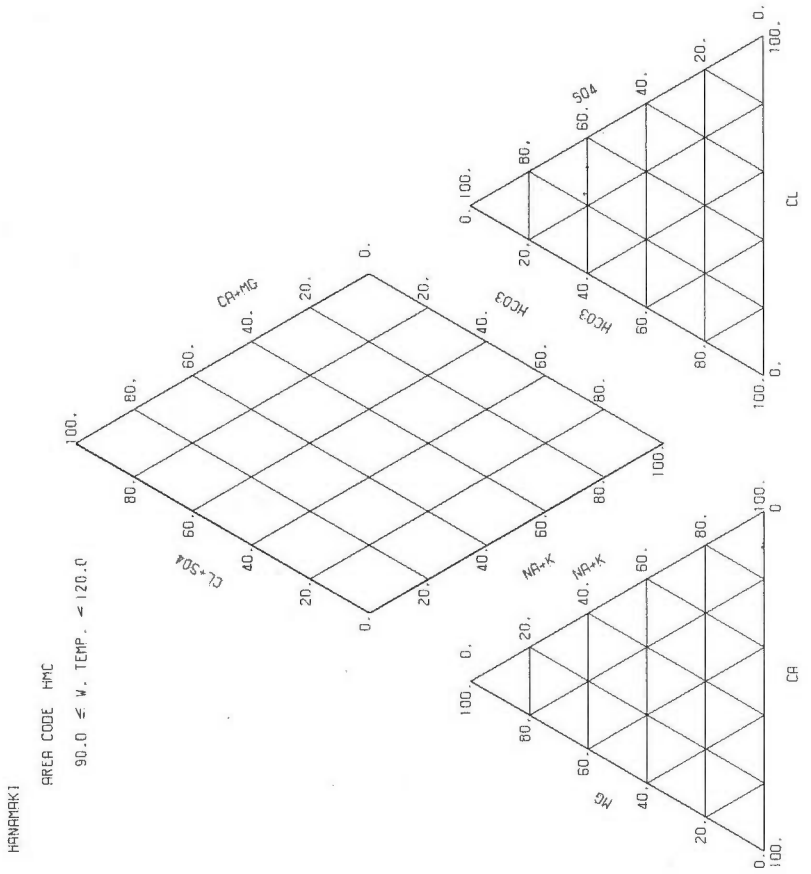
42.0 ≦ W. TEMP. < 60.0



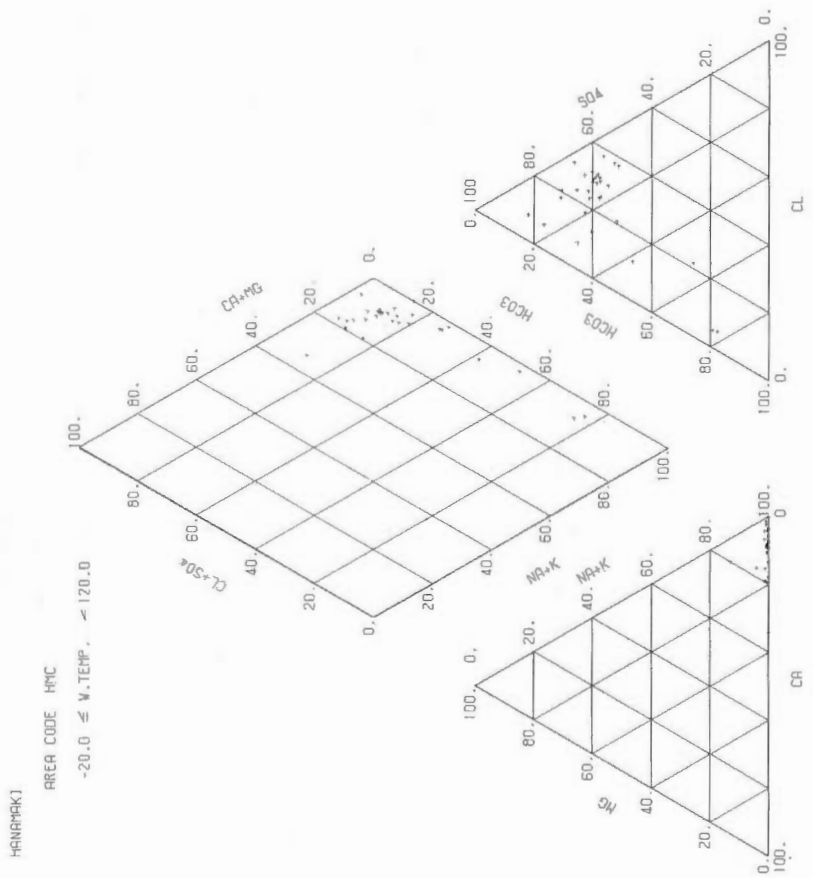
第 36-2 図 花巻地域水質組成図 (その 3) (水温60℃以上90℃未満)



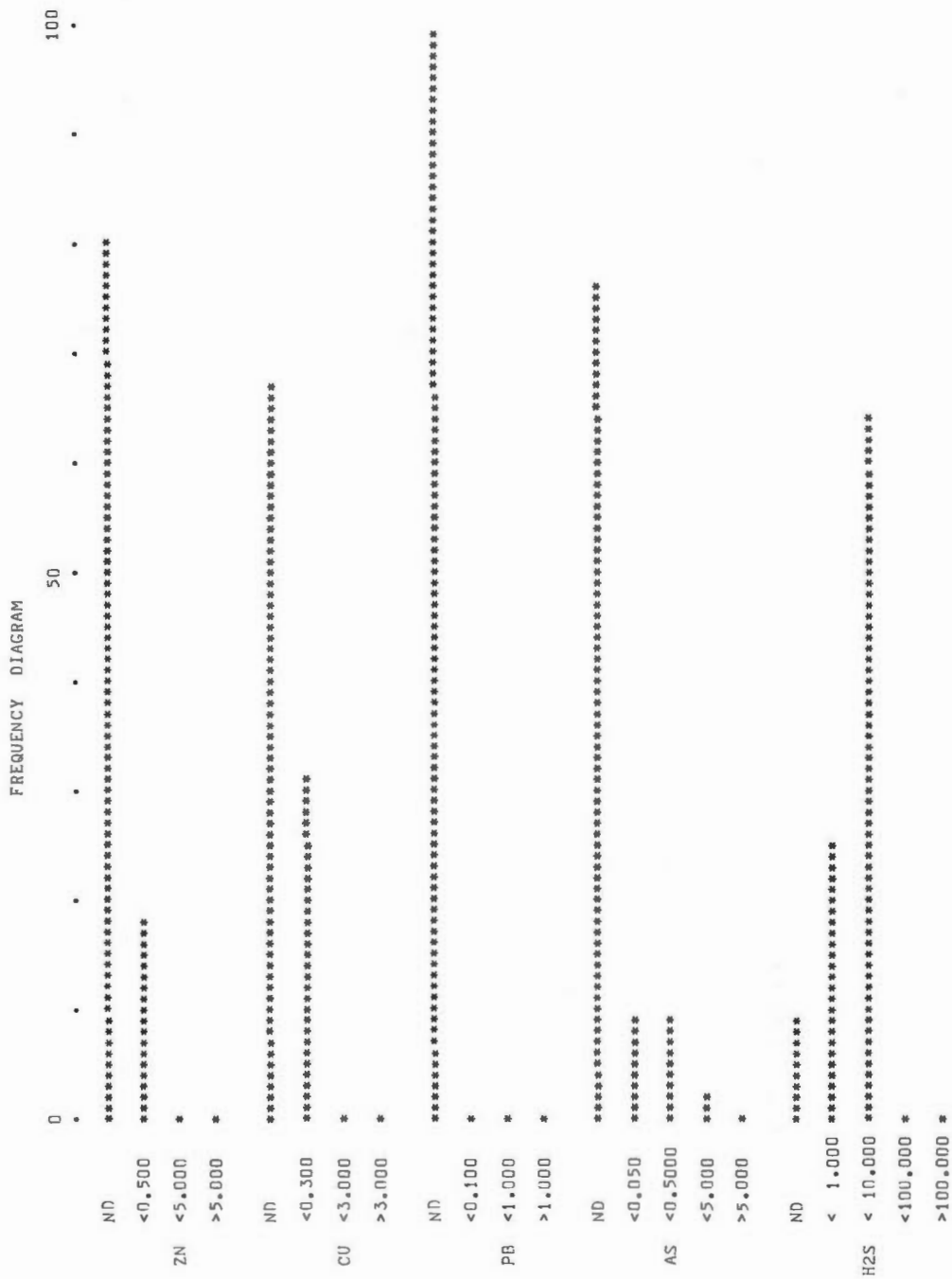
第 36-2 図 花巻地域水質組成図 (その 4) (水温90℃以上120℃未満)



第36-2図 花巻地域水質組成図 (その5) (全試料)



第 36-3 図 花巻地域特定成分含量の頻度分布図



37. 湯 田

Yuda

位 置	岩手県和賀郡和賀町，同郡湯田町
データ数	35
収集・整理	阿部智彦・比留川 貴
協 力	岩手県環境保健部，同衛生研究所，同和賀郡和賀町，同郡湯田町

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「秋田」、「新庄」を使用したものである）



第 37-1 表 湯田地域試料一覽表

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
YDC-1	岩手県和賀郡湯田町巢畑63地割159の2	郷 町 有 泉	1969. 7. 22	13	衛研第531-532号	D=1.651.5m, Q=250l/m, P Q=90l/m
"-2	" " " " 63地割159の15	町有2号泉	1979. 5. 18	"	" 第32号	D=250m, Q=380l/m, P
"-3	" " " " 湯本30地割22	湯本温泉1号泉	1978. 7. 7	"	" 第104-105号	D=300m, Q=297l/m, P
"-4	" " " " " 30地割1の3	湯本温泉2号泉	1958. 6. 10	" 33	" 第457-458号	D=0m, Q=26.4l/m, F
"-5	" " " " 湯川52地割142	クラブの湯	1955. 12. 16	" 31	" 第1452号	D=0m, Q=36.3l/m, F
"-6	" " " " " 53地割99	ホテルの湯	" " "	" 31	" 第1406号	D=0m, Q=27l/m, F
"-7	" " " " " 52地割53	出途の湯	1978. 7. 5	"	" 第107-108号	D=0m, Q=27l/m, F
"-8	" " " " " 52地割116	中一号の湯	1966. 9. 16	" 40	" 第3309-3310号	D=110m, Q=130l/m
"-9	" " " " " 52地割116ほか	中 の 湯	1978. 7. 5	"	" 第119-120号	D=110m, Q=198l/m, P
"-10	" " " " " 52地割140	奥の湯1号	1955. 6. 1	"	" 第343号	D=0m, Q=2.0l/m, F
"-11	" " " " " 53地割 4	奥の湯2号	" " "	"	"	D=0m, Q=1.5l/m, F
"-12	" " " " " 52地割129	奥 の 湯	1978. 7. 6	"	" 第116-117号	D=50m, Q=228l/m, P
"-13	" " " " " 仙人山国有林内鷲合鉱業所	(鷲 合 森)	1957. 9. 20	"	" 第970-971号	D=40m, Q=21.6l/m, F
"-14	" " " " " 和賀町岩崎新田1地割11のハ号	真 の 湯	1978. 7. 13	"	" 第146-147号	D=0m, Q=6l/m, F
"-15	" " " " " " 1 " 17のイ号	女 の 湯	" " "	"	" 第148-149号	D=0m, Q=8l/m, F
"-16	" " " " " " 1 " 20	疝 気 の 湯	" " "	"	" 第150-151号	D=0m, Q=22l/m, F
"-17	" " " " " " 1 " 11のロ号	滝 の 湯	" " "	"	" 第144-145号	D=0m, Q14l/m, F
"-18	" " " " " " 1 " 11のイ号	大 の 湯	" " "	"	" 第152-153号	D=0m, Q=20l/m, F
"-19	" " " " " " 夏油山国有林	新太郎の湯	" " "	"	" 第160-161号	D=0m, Q=17l/m, F
"-20	" " " " " " 208林班い2小班 208林班ウ国有林	ラジウムの湯	" " "	"	" 第162-163号	Q=150l/m, F
"-21	" " " " " " 208林班 夏油山国有林	蛇 の 湯	" " "	"	" 第154-155号	D=0m, Q=18l/m, F
"-22	" " " " " " 208林班ろ2小班	亀 の 湯	" " "	"	" 第156-157号	D=0m, Q=27l/m, F
"-23	" " " " " " " ぬ小班	貞蔵の湯	" " "	"	"	D=0m, Q=4l/m, F
"-24	" " " " " " " "	坑内の湯	1953. 10. 6	"	"	D=0m, Q=10.6l/m, F
"-25	" " " " " " 夏油山国有林内	小天狗の湯	1968. 7. 3	"	" 第748-749号	D=0m, Q=18l/m, F
"-26	" " " " " " 夏油山国有林	白猿の湯	1970. 5. 28	"	" 第291-292号	Q=15.2l/m, F, ×
"-27	" " " " " " 208林班ろ2小班	弥生の湯	1968. 11. 29	"	" 第2092-2093号	Q=48l/m
"-28	" " " " " " 横川目5地割36 岩沢仙人統山国有林246	町有1号泉	1971. 6. 20	"	" 第502-503号の1	D=0m, Q=14l/m, F
"-29	" " " " " " 林班い1小班	町有2号泉	1972. 6. 20	"	" 第502-503号の2	D=0m, F
"-30	" " " " " " " しい5小班	横川目冷泉	1958. 5. 7	"	"	D=250m, P, ×
"-31	" " " " " " 横川目3地割29の1 岩沢8地割15	沢 の 湯	1978. 7. 20	"	"	D=195m, Q=9l/m, F
"-32	" " " " " " 岩崎新田畑入山国有林 11林班ウ小班	美宝の湯	1960. 7. 26	"	"	D=300m, Q=99l/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
YDC-33	岩手県和賀郡和賀町岩崎新田畑入山国有林 211林班レ小班	源	美薬師の湯	源	1972. 6. 21	13	衛研第502-503号の3	D=630m, Q=30.6l/m, F
"	"	"	"	"	1969. 8. 22	"	"	第816-818号 Q=140l/m, F
"	"	"	岩崎15地割134の7	岩	" 7. 23	"	"	第636-8号 D=288m, Q=60l/m, P

温泉名の()は、文献41に記載されていないもの、備考欄の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 37-2 表 湯田地域水質一覽表

NO	YDC 1	YDC 2	YDC 3	YDC 4
TEMP	51.0	45.0	90.0	90.0
TSM	1288.000	1523.000	-	-
PH(FD)	8.20	8.80	8.70	8.70
PH(LH)	8.30	8.60	-	-
H (MG/KG)(NVAL/KG)				
K	5,550	5,400	19,000	53,910
NA	13,441	17,182	430,000	444,500
NH4	2,164	0,000	0,000	-
CA	16,840	55,800	27,000	66,850
Mg	0,097	0,500	0,175	0,640
Fe	0,520	0,500	0,030	0,360
MN	-	-	0,020	-
ZN	-	-	-	-
CU	-	0,002	0,000	-
PB	-	0,300	0,033	-
AL	-	-	0,090	1,850
CL	201,800	306,800	285,700	297,860
HR	-	-	0,100	-
I	17,250	8,800	0,050	0,290
DH	0,170	0,463	0,202	0,290
S2O3	230,000	385,000	0,107	0,006
HC03	188,500	126,100	542,500	662,510
CO3	4,684	2,067	69,930	76,790
CU2	49,597	0,826	1,289	1,259
H3PO4	33,166	8,000	0,043	-
HASO2	0,054	51,005	99,968	1,664
CU2	0,383	8,000	4,755	0,109
H2S	-	0,010	-	0,500
	-	1,800	0,269	-
	-	2,264	0,027	1,680
RN (ME-10 CURIE/L)	0.180	0.182	4.364	0.350
NA/K	94,679	124,392	36,486	22,291
CA/(HC03+CO3)	0.305	0.856	1.133	2,650
Mg/CA	0.009	0.023	0.011	0,016
NA/CA	15,996	9,618	13,883	5,796
CL/(HC03+CO3)	2,063	4,145	6,778	6,676
CL/F	6,269	18,671	39,872	29,023
CL*100/(CL+S04+HC03+CO3)	42,999	46,125	39,232	35,825
S04*100/(CL+S04+HC03+CO3)	36,167	42,717	54,980	58,809
HC03*CO3*100/(CL+S04+HC03+CO3)	20,187	11,128	5,788	5,366
(NA+K)*100/(NA+K+CA+MG)	94,122	96,456	93,375	95,637
CA*100/(NA+K+CA+MG)	5,823	9,329	6,555	14,140
Mg*100/(NA+K+CA+MG)	0,055	0,215	0,070	0,223
(CL+S04)*100/(CL+S04+HC03+CO3)	79,163	88,872	96,212	94,634
(HC03+CO3)*100/(CL+S04+HC03+CO3)	20,187	11,128	5,788	5,366
(NA+K)*100/(NA+K+CA+MG)	94,122	96,456	93,375	95,637
(CA+Mg)*100/(NA+K+CA+MG)	5,823	9,544	6,625	14,363

第37-2表 湯田地域水質一覧表 (つづき)

NO	YDC 5	YDC 6	YDC 7	YDC R
TEMP	53.0	53.0	59.0	53.0
TSN	1371.000	1366.000	1060.000	1040.000
PH(FD)	7.50	7.50	7.50	8.50
PH(LR)	-	-	7.80	8.20
H (MG/KG)(IVAL/KG)				
K	32.020	0.819	10.750	0.275
NA	585.970	16.790	315.000	13.702
NH4	-	-	0.0	-
CA	42.110	2.101	37.750	1.884
Mg	0.680	0.056	0.250	0.021
FE	0.260	0.009	0.060	0.002
MN	-	-	0.013	0.000
ZN	-	-	-	-
CU	-	-	0.001	0.000
PH	-	-	-	-
AL	2.500	0.278	0.020	0.002
CL	443.250	12.504	372.500	10.503
HR	-	-	0.200	0.003
I	-	-	0.140	0.001
F	5.400	0.179	3.650	0.192
OH	-	-	0.005	0.000
SO4	256.940	5.349	215.500	4.487
SO3	-	-	-	-
HCO3	128.650	2.109	8.923	0.146
CO3	-	-	0.008	0.000
SI02 (MG/KG)(MMUL/KG)	94.670	1.576	93.977	1.565
H2O2	45.500	1.056	11.481	0.262
H3PO4	-	-	-	-
H2SO2	-	-	0.022	0.000
CO2	9.700	0.220	0.686	0.016
H2S	0.480	0.014	1.943	0.057
RN (RE-10 CURIE/L)	5.270	4.320	3.981	2.840
NA/K	20.498	24.003	49.830	26.690
CA/(HCO3+CO3)	0.997	1.061	12.857	1.029
Mg/CA	0.027	0.037	0.011	0.118
NA/CA	7.690	7.825	7.274	7.384
CL/(HCO3+CO3)	5.930	6.214	71.683	5.771
CL/F	69.865	63.745	54.662	70.399
CL*100/(CL+SO4+HCO3+CO3)	62.659	63.542	69.389	63.710
SO4*100/(CL+SO4+HCO3+CO3)	26.795	26.235	29.643	25.250
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	10.563	10.225	0.968	11.040
(NA+K)*100/(NA+K+CA+MG)	89.086	88.712	88.010	87.265
CA*100/(NA+K+CA+MG)	10.651	10.883	11.861	11.392
Mg*100/(NA+K+CA+MG)	0.283	0.405	0.130	1.343
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	89.437	89.775	99.032	88.960
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	10.563	10.225	0.968	11.040
(NA+K)*100/(NA+K+CA+MG)	89.086	88.712	88.010	87.265
(CA+MG)*100/(NA+K+CA+MG)	10.914	11.288	11.990	12.735

第37-2表 湯田地域水質一覧表 (つづき)

	YDC 9	YDC 10	YDC 11	YDC 12
NO ₃ -N	59.0	47.5	38.5	55.0
TEMP	1106.000	1208.200	1247.000	925.000
TSM	1.50	7.20	6.50	8.10
PH(FD)	7.40	-	-	8.00
PH(CL)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	12.400	15.640	15.950	11.750
NA	337.500	314.040	325.490	265.000
NH ₄	0.0	0.0	0.0	0.0
CA	17.506	44.710	2.231	42.250
MG	0.265	3.650	0.300	0.400
FE	0.050	0.200	0.007	0.020
MN	0.030	-	-	0.024
ZN	-	-	-	-
CU	0.5	-	-	0.001
PB	-	-	-	0.000
AL	6.070	10.280	1.145	0.130
CL	273.500	397.150	11.204	297.000
HR	0.500	-	-	0.500
I	0.190	-	-	0.190
F	2.820	7.750	2.800	3.150
OH	0.054	-	-	0.022
SO ₄	272.500	250.440	4.798	171.300
SU ₄	-	-	-	-
HCO ₃	114.200	107.660	1.765	116.400
CO ₃	1.053	-	-	0.437
S102 (MG/KG) (MMOL/KG)	85.991	124.827	2.078	98.014
H802	21.784	51.780	1.182	22.468
H3P04	-	-	-	-
HAS02	-	-	-	-
CO ₂	0.879	12.050	0.273	0.029
H2S	0.027	0.510	0.015	2.276
RN (RE-10 CURIF/L)	2.628	2.520	2.460	1.549
NA/K	46.285	34.581	34.703	38.353
CA/(HCO ₃ +CO ₃)	0.458	1.264	1.368	1.078
MG/CA	0.025	0.135	0.151	0.016
NA/CA	16.812	6.201	6.115	5.468
CL/(HCO ₃ +CO ₃)	4.043	6.549	7.032	4.285
CL/F	51.957	77.394	80.765	50.528
CL*100/(CL+SU+HCO ₃ +CO ₃)	50.424	63.062	64.415	60.276
SU*100/(CL+SU+HCO ₃ +CO ₃)	57.105	27.005	26.425	25.658
(HCO ₃ +CO ₃)*100/(CL+SU+HCO ₃ +CO ₃)	12.471	9.932	9.161	14.066
(NA+K)*100/(NA+K+CA+MG)	94.368	84.902	84.530	84.672
CA*100/(NA+K+CA+MG)	5.494	13.307	13.436	15.092
MG*100/(NA+K+CA+MG)	0.137	1.791	2.034	0.236
(CL+SU)*100/(CL+SU+HCO ₃ +CO ₃)	87.529	90.068	90.839	85.934
(HCO ₃ +CO ₃)*100/(CL+SU+HCO ₃ +CO ₃)	12.471	9.932	9.161	14.066
(NA+K)*100/(NA+K+CA+MG)	94.368	84.902	84.530	84.672
(CA+MG)*100/(NA+K+CA+MG)	5.494	15.098	15.470	15.328

第37-2表 湯田地域水質一覽表 (つづき)

	YDC 13	YDC 14	YDC 15	YDC 16
Q13				
TEMP	34.5	56.0	52.0	58.0
TSP	1651.500	5696.000	4456.000	4252.000
PH(FH)	7.30	6.00	6.50	6.50
PH(LR)	-	6.20	6.30	-
H (MG/KG) (MVAL/KG)				
K	12.040	113.800	2.911	135.000
NA	159.570	705.000	40.667	847.500
NA4	-	1.500	0.072	0.680
CA	279.440	350.000	17.465	352.500
MG	2.450	47.000	3.868	49.000
FE	0.200	0.090	0.003	0.002
MN	-	3.710	0.135	4.110
ZN	-	0.002	0.000	0.001
CU	-	-	0.003	0.000
PH	0.160	1.550	0.870	1.380
AL	39.590	1412.000	39.833	1678.000
CL	-	1.700	0.021	2.900
HR	-	1.350	0.011	1.250
I	1.200	0.400	0.021	0.450
F	-	0.0	0.0	0.0
OH	967.850	645.000	13.429	603.000
S04	5.510	119.900	1.965	176.800
S203	-	0.004	0.000	0.010
HCO3	52.343	170.050	2.831	180.011
CO3	92.000	96.458	2.201	103.424
S102 (MG/KG) (MMOL/KG)	-	-	-	-
H802	-	0.035	0.000	0.043
H3PO4	3.000	288.300	6.550	212.600
HAS02	0.940	2.802	0.082	1.639
H2S	-	-	-	-
RN (RE-10 CURIE/L)	20.820	4.700	10.267	7.179
NA/K	22.538	10.555	11.124	10.676
CA/(HCO3+CO3)	160.220	8.887	5.223	6.069
MG/CA	0.014	0.221	0.224	0.229
NA/CA	0.498	1.756	1.755	2.096
CL/(HCO3+CO3)	12.833	20.268	11.985	16.334
CL/F	17.680	1891.741	2292.230	1998.327
CL*100/(CL+S04+HCO3+CO3)	5.250	72.125	72.736	75.590
S04*100/(CL+S04+HCO3+CO3)	94.363	24.316	21.195	19.995
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	0.408	3.559	6.069	4.616
(NA+K)*100/(NA+K+CA+MG)	43.886	61.151	60.972	65.093
CA*100/(NA+K+CA+MG)	65.180	31.806	31.883	28.397
MG*100/(NA+K+CA+MG)	0.935	7.043	7.145	6.510
(CL+S04)*100/(CL+S04+HCO3+CO3)	99.592	96.441	93.931	95.384
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	0.408	3.559	6.069	4.616
(NA+K)*100/(NA+K+CA+MG)	33.886	61.151	60.972	65.093
(CA+MG)*100/(NA+K+CA+MG)	66.114	38.849	39.028	34.907

第37-2表 湯田地域水質一覽表 (つづき)

	YDC 17	YDC 18	YDC 19	YDC 20
NO	55.0	57.0	49.0	67.0
TEMP	4164.000	4581.000	2530.000	2637.000
TSM	6.80	6.00	7.00	6.90
PH(FD)	6.30	6.60	7.00	6.90
PH(LR)				
H (MG/KG) (VAL/KG)				
k	133.800	145.000	13.000	10.900
NA	345.000	835.000	205.000	215.000
NH4	1.020	0.057	0.200	0.288
CA	375.000	380.000	450.000	510.000
Mg	49.000	59.000	7.650	5.950
FE	0.060	0.030	0.060	5.300
MN	4.230	0.154	0.017	0.190
ZN			0.480	0.360
CU	0.002	0.000	0.000	0.0
PH				
AL	1.680	1.680	0.108	0.008
CL	1032.000	1755.000	193.600	163.200
HR	2.900	2.300	0.100	0.100
I	1.150	1.150	0.002	0.170
F	0.500	0.026	0.200	0.075
OH	0.0	0.0	0.000	0.0
SO4	570.000	660.000	1210.000	1375.000
SZ03	334.500	46.000	152.900	170.200
HC03	0.090	0.003	0.045	0.036
CU3				
SI02 (MG/KG) (MMOL/KG)				
HR02	184.016	174.512	196.487	67.987
H3PO4	97.393	105.663	15.603	14.384
HAS02	0.023	0.086	0.065	0.0
CO2	128.600	112.500	36.750	53.210
H2S	1.850	2.679	1.700	0.763
RN (#E-10 CURIE/L)	5.510	9.263	5.665	11.926
NA/K	10.740	9.793	26.816	33.543
CA/(HCO3+CU3)	5.413	24.721	8.955	9.119
Mg/CA	0.215	0.239	0.028	0.019
NA/CA	1.964	1.916	0.397	0.367
CL/(HCO3+CU3)	6.396	64.544	2.178	1.650
CL/F	1749.191	1791.451	518.755	1166.129
CL*100/(CL+SO4+HCO3+CU3)	72.650	77.337	16.469	12.781
SO4*100/(CL+SO4+HCO3+CU3)	18.722	21.465	75.969	79.472
(HCO3+CU3)*100/(CL+SO4+HCO3+CU3)	8.649	1.198	7.562	7.747
(NA+K)*100/(NA+K+CA+MG)	63.854	63.022	28.607	27.077
CA*100/(NA+K+CA+MG)	29.738	29.852	69.446	71.546
Mg*100/(NA+K+CA+MG)	6.408	7.125	1.947	1.377
(CL+SO4)*100/(CL+SO4+HCO3+CU3)	91.351	98.802	92.438	92.253
(HCO3+CU3)*100/(CL+SO4+HCO3+CU3)	8.649	1.198	7.562	7.747
(NA+K)*100/(NA+K+CA+MG)	63.854	63.022	28.607	27.077
(CA+MG)*100/(NA+K+CA+MG)	36.146	36.977	71.393	72.923

第37-2表 瀧田地域水質一覽表 (つづき)

	YDC 21	YDC 22	YDC 23	YDC 24
NU	55.0	54.0	54.0	59.0
TEMP	5884.000	4086.000	4578.000	4528.000
ISM	6.60	6.60	6.70	6.70
PH(FU)	7.00	6.50	7.10	-
PH(LH)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	118.000	125.000	140.000	144.670
NA	685.000	760.000	825.000	772.730
NH4	0.520	1.440	1.420	-
CA	520.000	360.000	390.000	452.860
MG	47.000	49.000	53.000	159.270
FE	0.600	0.190	0.040	0.080
MN	3.550	4.680	4.710	2.000
ZN	0.000	0.000	0.000	-
CU	0.000	0.000	0.000	-
PH	0.470	1.060	0.560	0.800
AL	0.052	0.118	0.062	0.089
CL	1353.000	1526.000	1705.000	1816.270
HR	1.500	2.300	2.800	4.700
I	1.250	1.550	1.500	1.860
F	0.400	0.450	0.550	-
OH	0.0	0.0	0.0	-
SU4	485.000	515.000	560.000	608.740
S203	-	-	-	-
HCO3	515.100	243.100	289.600	603.900
CO3	0.037	0.029	0.043	-
S102 (MG/KG) (MMOL/KG)	175.001	169.997	167.952	119.311
H802	94.576	96.000	109.829	127.710
H3PO4	0.013	0.000	0.013	-
HAS02	189.400	4.303	139.300	187.900
CU2	1.592	1.412	1.252	1.300
H25	-	-	-	-
RN (#E-10 CURIE/L)	16.562	7.410	8.220	3.720
NA/K	9.805	10.359	10.021	9.083
CA/(HCO3+CO3)	3.071	4.099	4.099	2.283
MG/CA	0.242	0.224	0.224	0.580
NA/CA	1.866	1.840	1.844	1.487
CL/(HCO3+CO3)	7.589	10.802	10.150	5.177
CL/FE	1812.696	1817.311	1661.303	-
CL#100/(CL+S04+HCO3+CO3)	71.454	74.535	74.565	69.418
S04#100/(CL+S04+HCO3+CO3)	18.998	18.565	18.075	17.171
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	9.668	6.900	7.361	13.410
(NA+K)#100/(NA+K+CA+MG)	62.341	62.241	62.361	51.103
CA#100/(NA+K+CA+MG)	50.316	30.838	30.748	30.948
MG#100/(NA+K+CA+MG)	7.343	6.922	6.891	17.949
(CL+S04)#100/(CL+S04+HCO3+CO3)	90.352	93.100	92.639	86.590
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	9.668	6.900	7.361	13.410
(NA+K)#100/(NA+K+CA+MG)	62.341	62.241	62.361	51.103
(CA+MG)#100/(NA+K+CA+MG)	37.659	37.759	37.639	48.897

第37-2表 湯田地域水質一覽表 (つづき)

NU	YDC 29		YDC 30		YDC 31		YDC 32	
	19.2	19.5	19.5	19.5	27.0	27.0	42.5	42.5
TEMP	1120.000	3565.000	3565.000	3565.000	3584.000	3584.000	390.800	390.800
TSM	7.90	8.10	8.10	8.10	7.90	7.90	8.00	8.00
PH(PD)	7.90	8.10	8.10	8.10	7.90	7.90	8.00	8.00
PH(LR)	7.90	8.10	8.10	8.10	7.90	7.90	8.00	8.00
H (MG/KG)(MVAL/KG)								
K	2,050	11,750	11,750	11,750	0.300	0.300	4,300	0.110
NA	32,000	573,170	573,170	573,170	24,933	24,933	74,000	3,219
NH4					0.0	0.0		
CA	280,000	539,950	539,950	539,950	26,943	26,943	1,170	0.058
Mg	1,410	4,910	4,910	4,910	0.404	0.404	0.520	0.043
FE	0.040	0.370	0.370	0.370	0.013	0.013	0.180	0.006
MN	0.0				0.003	0.003		
ZN	0.0							
CU	0.0				0.001	0.001		
PB	0.0							
AL	0.033	3,470	3,470	3,470	0.386	0.386	2,670	0.297
CL	6,460	461,360	461,360	461,360	13,015	13,015	4,370	0.123
HR	0.0				0.700	0.700		
I	1,300	2,700	2,700	2,700	0.142	0.142		
OH	0.014				0.050	0.050		
S04	663,100	1864,100	1864,100	1864,100	2,275	2,275	0.020	0.001
S203	0.066				0.014	0.014	19,750	0.411
HCO3	73,100	28,190	28,190	28,190	0.462	0.462	193,070	3,164
CO3	0.342				9,577	9,577	1,890	0.063
SI02 (MG/KG)(MMUL/KG)	23,747	28,972	28,972	28,972	0.482	0.482	129,704	2,160
H3PO4	4,251	41,740	41,740	41,740	0.953	0.953	16,310	0.372
HAS02	0.008				0.0	0.0		
CU2	2,077				1,319	1,319	4,640	0.105
H2S	0.0	0,940	0,940	0,940	0.028	0.028	3,246	0.095
RN (ME-10 CURIE/L)	4,240	2,670	2,670	2,670	5,407	5,407	3,460	
NA/K	26,545	83,095	83,095	83,095	40,551	40,551	29,265	
CA/(HCO3+CO3)	11,532	58,315	58,315	58,315	29,125	29,125	0,018	
Mg/CA	0.008	0.015	0.015	0.015	0.002	0.002	0,733	
NA/CA	0.100	0.925	0.925	0.925	0.687	0.687	55,136	
CL/(HCO3+CO3)	0.151	28,169	28,169	28,169	11,266	11,266	0,038	
CL/F	2,653	91,572	91,572	91,572	95,097	95,097		
CL*100/(CL+S04+HCO3+CO3)	1,199	24,891	24,891	24,891	22,710	22,710	3,277	
S04*100/(CL+S04+HCO3+CO3)	90,842	74,225	74,225	74,225	75,274	75,274	10,931	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	7,959	0,884	0,884	0,884	2,016	2,016	85,792	
(NA+K)*100/(NA+K+CA+MG)	9,299	47,989	47,989	47,989	41,264	41,264	97,950	
CA*100/(NA+K+CA+MG)	89,954	51,242	51,242	51,242	58,614	58,614	1,702	
Mg*100/(NA+K+CA+MG)	0,747	0,768	0,768	0,768	0,123	0,123	1,247	
(CL+S04)*100/(CL+S04+HCO3+CO3)	92,041	99,116	99,116	99,116	97,984	97,984	14,208	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	7,959	0,884	0,884	0,884	2,016	2,016	85,792	
(NA+K)*100/(NA+K+CA+MG)	9,299	47,989	47,989	47,989	41,264	41,264	97,950	
(CA+MG)*100/(NA+K+CA+MG)	90,701	52,011	52,011	52,011	58,736	58,736	2,950	

第37-2表 湯田地域水質一質表 (つづき)

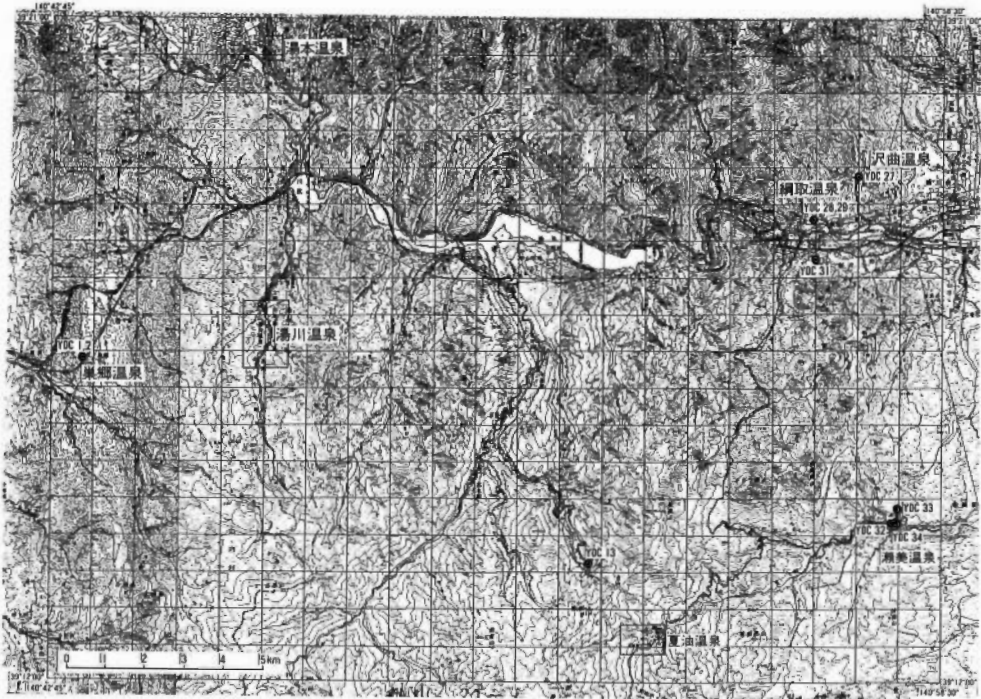
	YDC 53	YDC 54	YDC 55
NO			
TEMP	34.5	33.0	28.0
ISW	342.000	940.500	389.000
PH(FD)	8.00	7.80	8.10
PH(LR)	8.00	7.72	7.95
H (MG/KG)(RVAL/KG)			
K	7.100	4.400	6.700
NA	78.000	250.000	100.000
PH4	0.040	0.191	0.832
CA	4.600	40.420	5.098
Mg	0.550	6.580	2.212
FE	0.050	0.364	0.182
MN	0.0	0.290	0.932
ZN	0.002	0.011	0.002
CU	0.002	0.0	0.0
PB	0.019	0.0	0.060
AL	10.920	0.0	0.007
CL	10.920	206.500	48.440
FR	0.0	0.0	0.0
I	0.0	0.0	0.0
F	0.500	2.800	0.344
OH	0.017	0.011	0.018
SU4	11.870	302.000	0.022
SZ03	0.011	0.0	0.029
HCO3	194.900	3.194	1.400
CO3	1.150	0.195	0.027
SIU2 (MG/KG)(MMOL/KG)	126.207	41.590	90.997
HRU2	4.960	25.440	2.300
H3PO4	0.0	0.0	0.052
HASO2	4.699	0.107	0.0
CO2	0.589	0.017	0.096
H2S			
HN (#E-10 CURIE/L)	9.300	2.520	0.340
NA/K	18.622	96.622	25.381
CA/(HCO3+CO3)	0.071	1.397	0.070
Mg/CA	0.197	0.224	0.716
NA/CA	14.782	4.501	17.100
CL/(HCO3+CO3)	0.095	3.369	0.377
CL/F	11.704	59.523	75.463
CL*100/(CL+S04+HCO3+CO3)	8.132	42.084	27.211
S04*100/(CL+S04+HCO3+CO3)	6.524	45.424	0.580
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	85.343	12.492	72.209
(NA+K)*100/(NA+K+CA+MG)	92.861	78.791	91.197
CA*100/(NA+K+CA+MG)	7.963	17.326	5.131
Mg*100/(NA+K+CA+MG)	1.176	3.883	5.671
(CL+S04)*100/(CL+S04+HCO3+CO3)	14.657	87.508	27.791
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	85.343	12.492	72.209
(NA+K)*100/(NA+K+CA+MG)	92.861	78.791	91.197
(CA+MG)*100/(NA+K+CA+MG)	7.139	21.209	8.603

第37-3表 湯田地域特定成分含量の頻度分布表

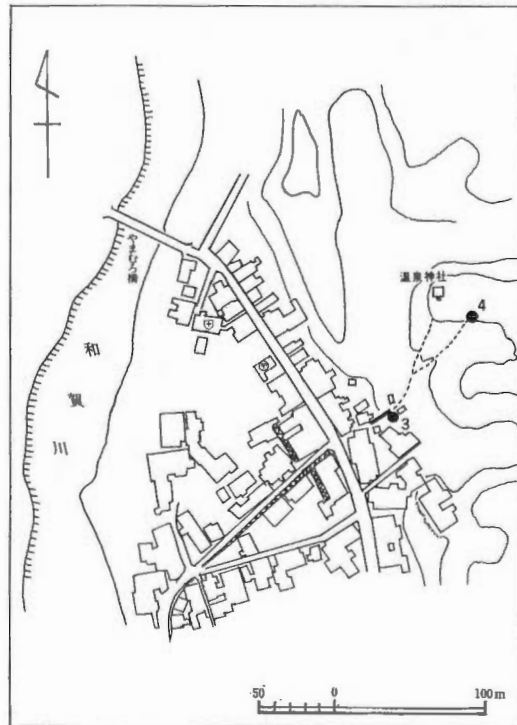
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

ZN		N	F(%)	CU		N	F(%)
ND		34	97.1	ND		15	49.2
<0.500		1	2.9	<0.300		20	57.1
<5.000		0	0.0	<3.000		0	0.0
>5.000		0	0.0	>3.000		0	0.0
TOTAL		35	100.0	TOTAL		35	100.0
PB		N	F(%)	AS		N	F(%)
ND		34	97.1	ND		12	34.3
<0.100		1	2.9	<0.050		22	62.9
<1.000		0	0.0	<0.500		1	2.9
>1.000		0	0.0	<5.000		0	0.0
TOTAL		35	100.0	TOTAL		35	100.0
H2S		N	F(%)	N= NUMBER OF SAMPLES		F= FREQUENCY(%)	
ND		1	2.9				
< 1.000		19	54.3				
< 10.000		15	42.9				
<100.000		0	0.0				
>100.000		0	0.0				
TOTAL		35	100.0	TOTAL		35	100.0

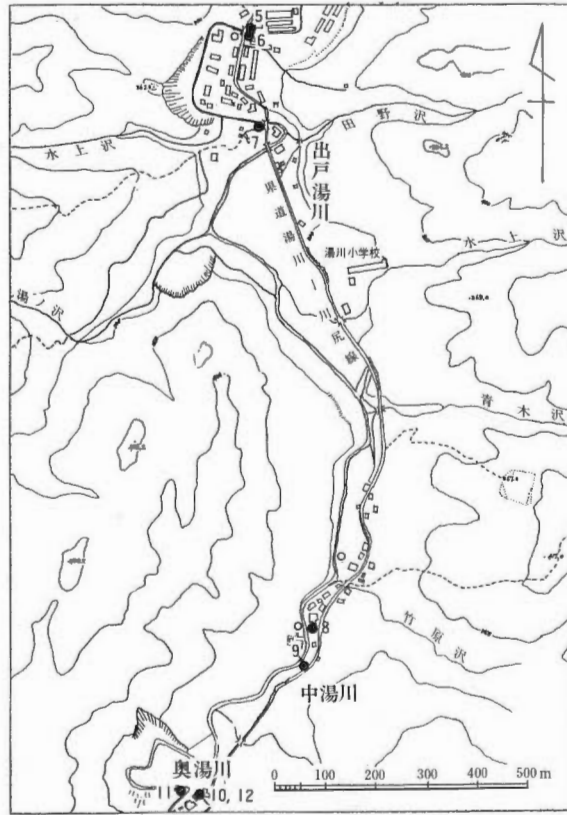
第 37-1 図 湯田地域の温泉分布及び試料採取地
 (この地図は、国土地理院発行の5万分の1地形図「六郷」、「新町」、「横手」及び「川尻」を使用したものである。)



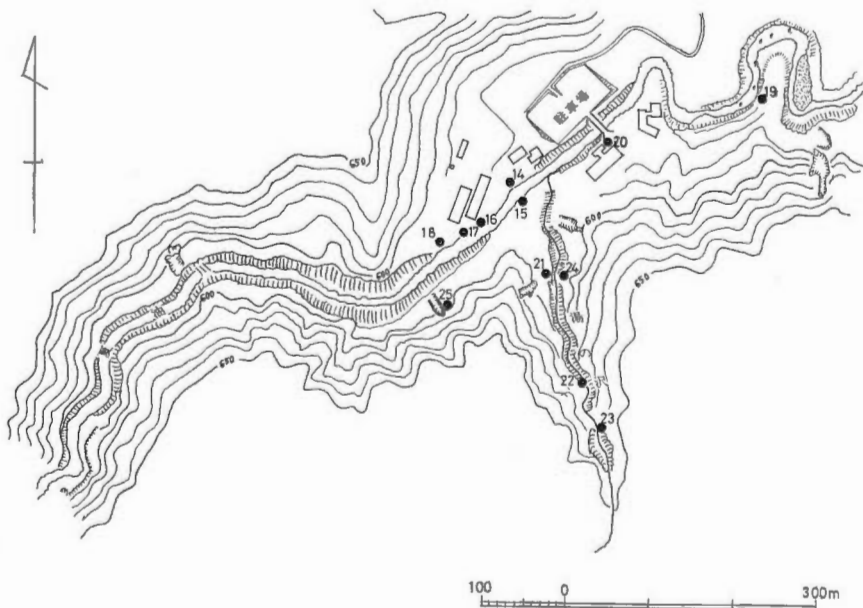
第 37-2 図 試料採取地 (湯本温泉)



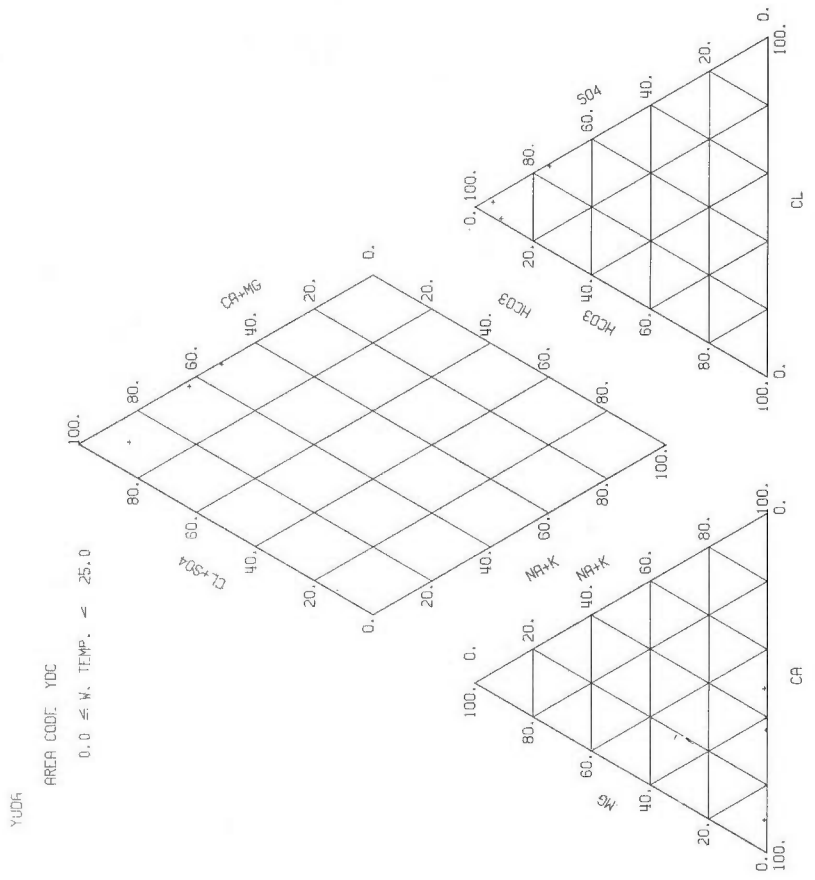
第 37-3 図 試料採取地 (湯川温泉)



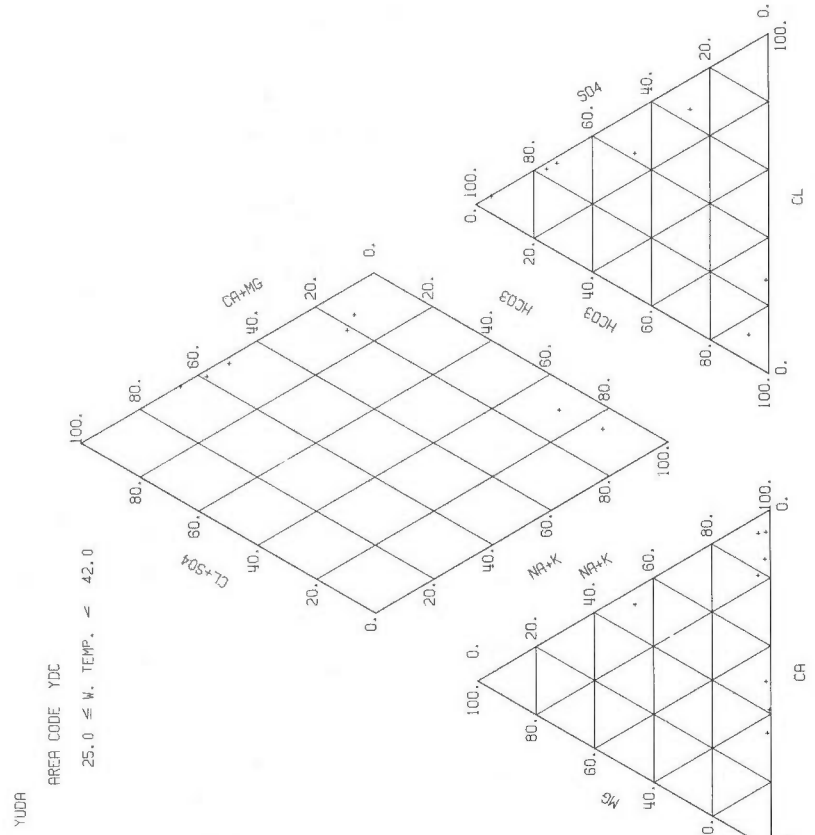
第 37-4 図 試料採取地 (夏油温泉)



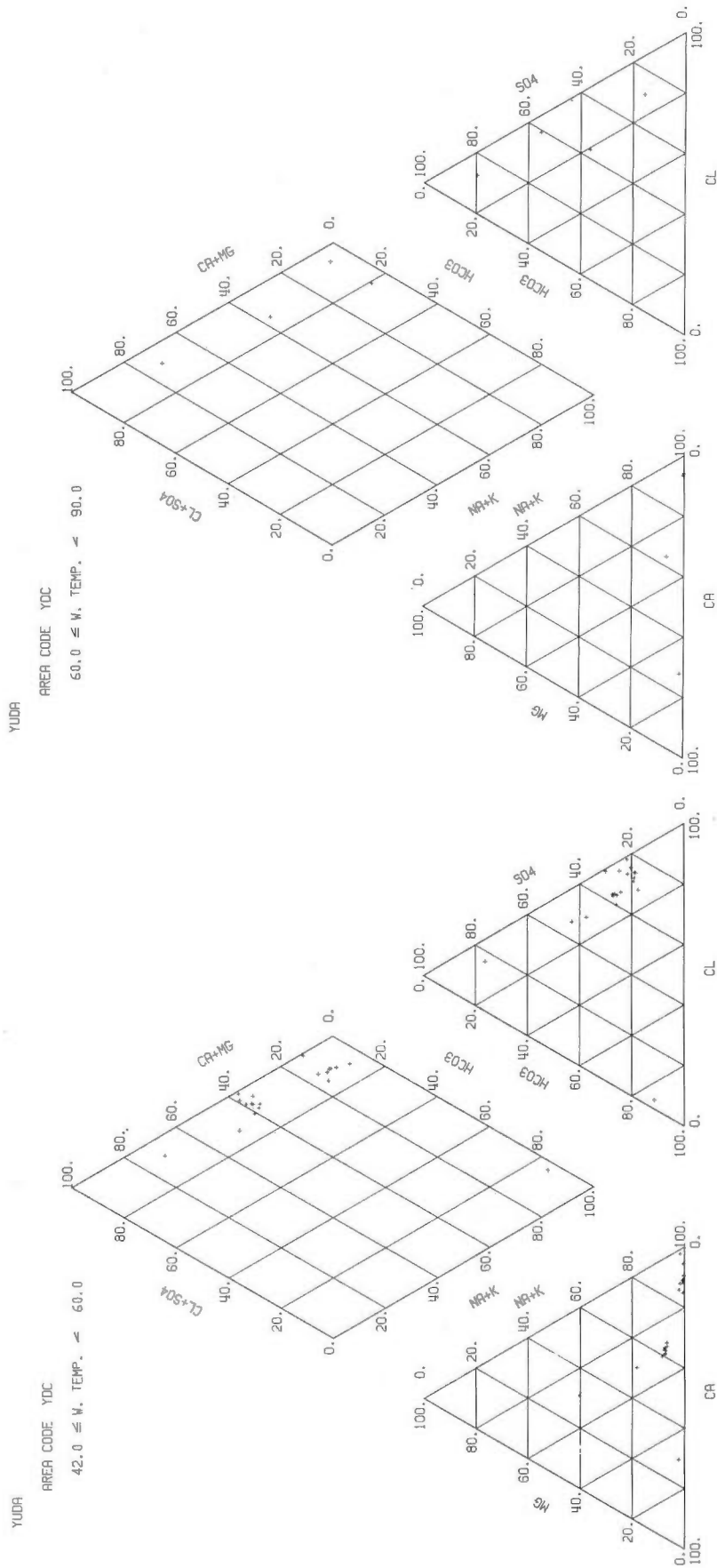
第37-5図 湯田地域水質組成図 (その1) (水温25℃未満)



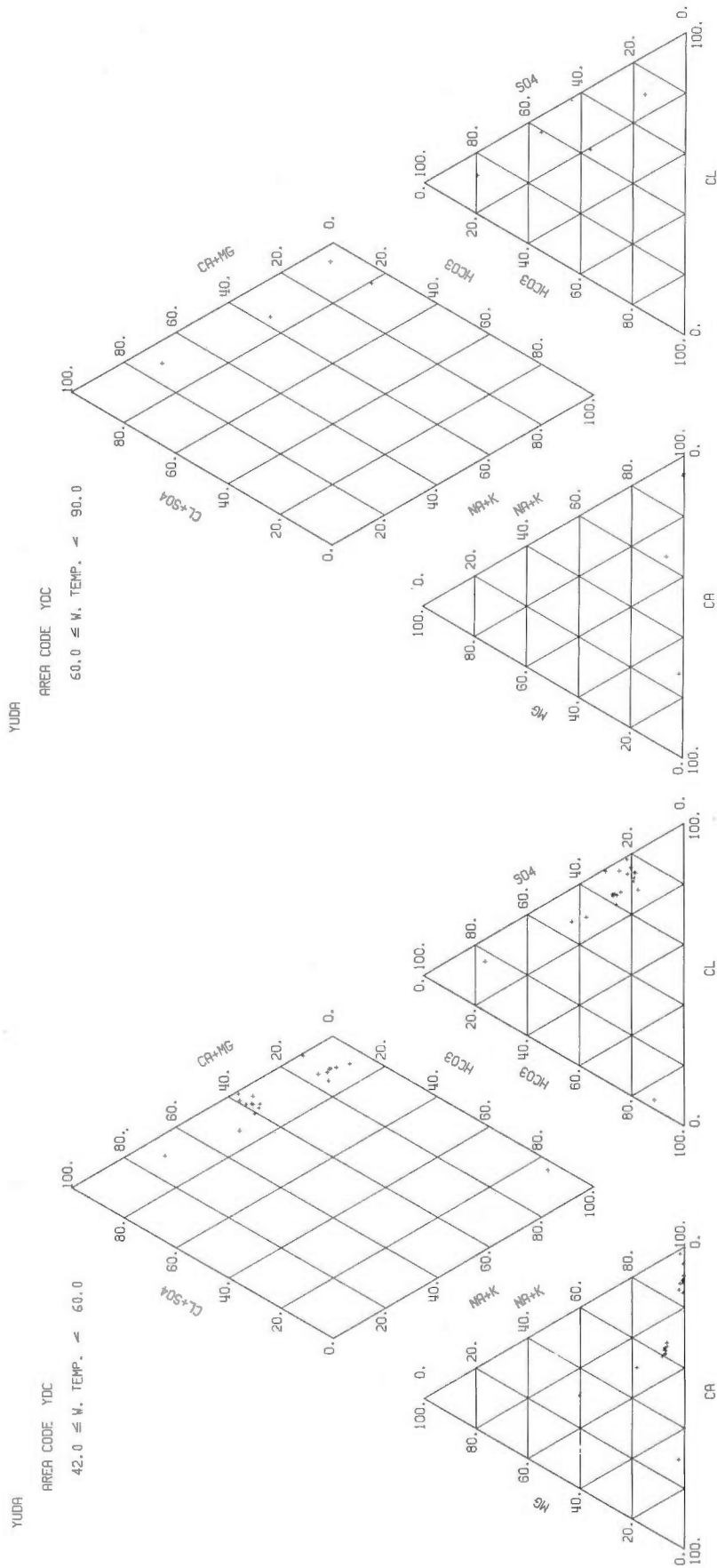
第37-5図 湯田地域水質組成図 (その2) (水温25℃以上42℃未満)



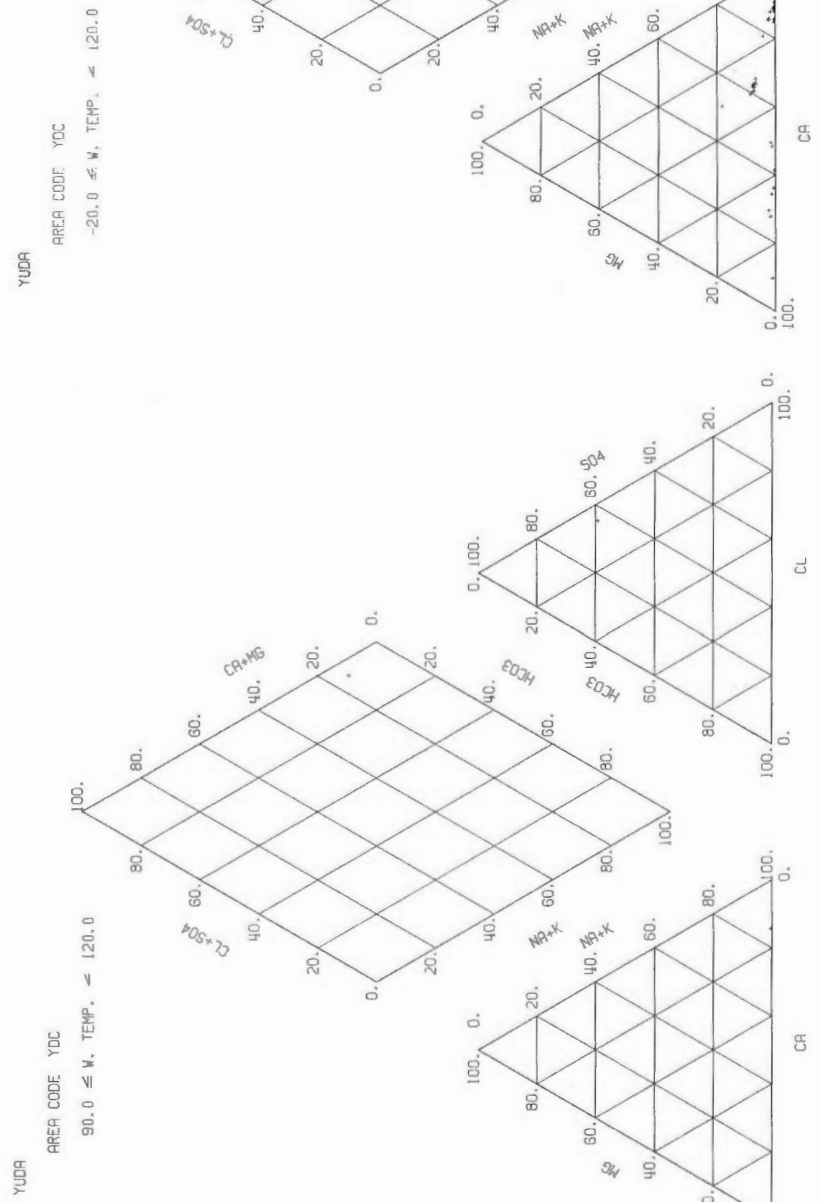
第 37-5 図 湯田地域水質組成図 (その 3) (水温42°C以上60°C未満)



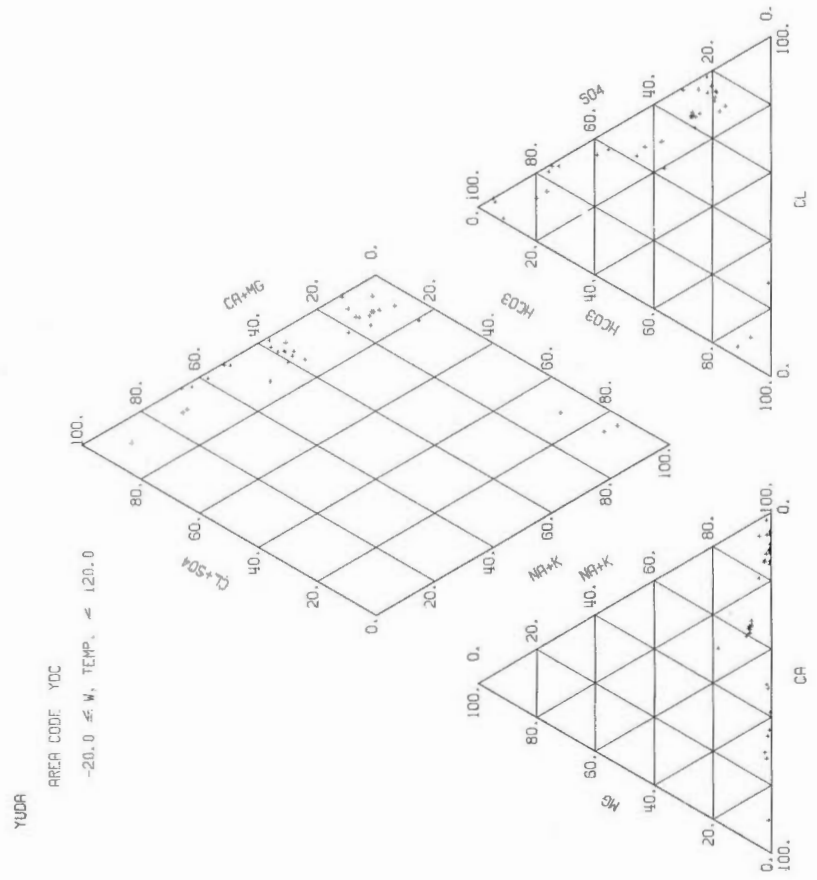
第 37-5 図 湯田地域水質組成図 (その 4) (水温60°C以上90°C未満)



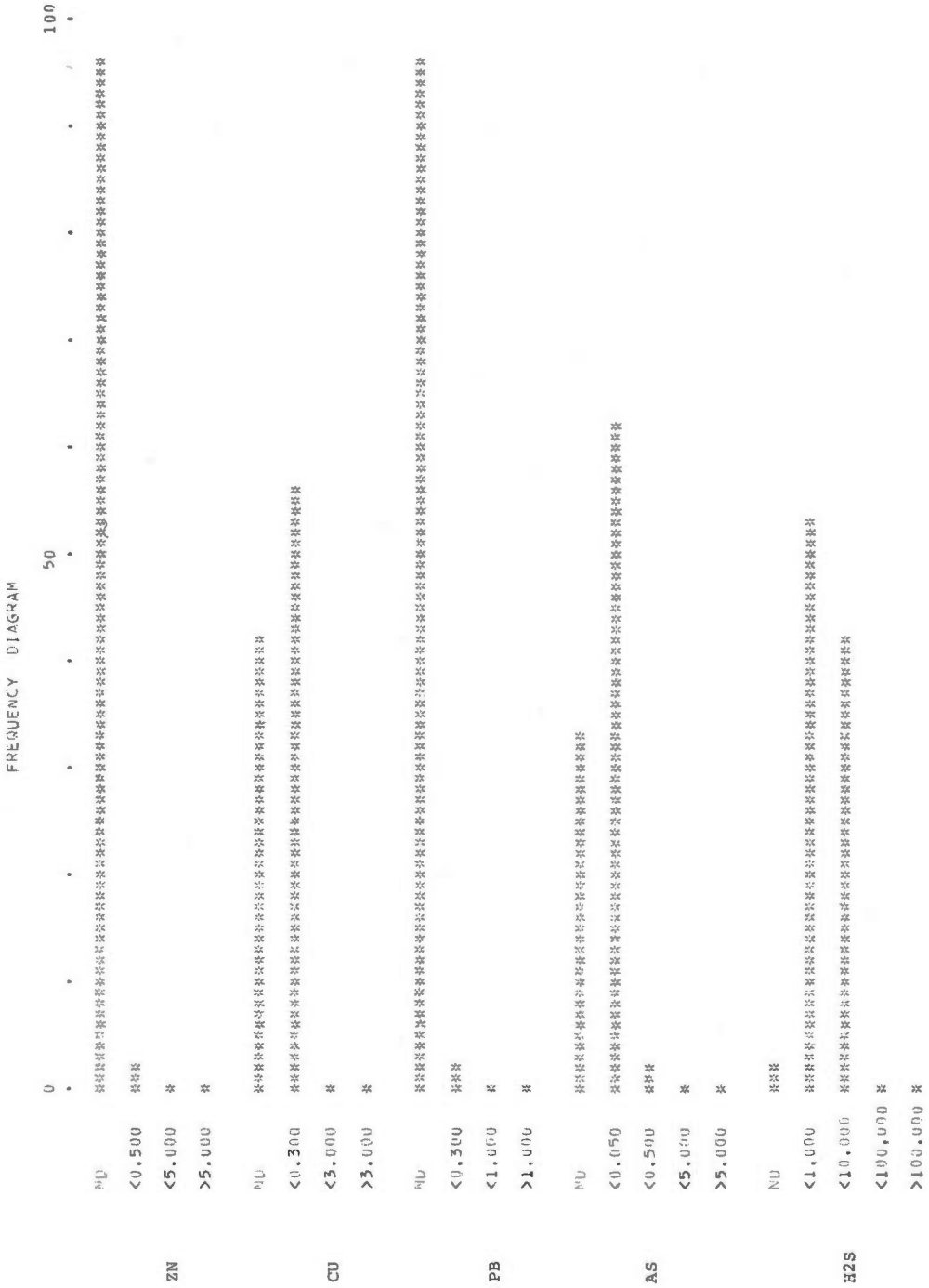
第 37-5 図 湯田地域水質組成図 (その 5) (水温90°C以上)



第 37-5 図 湯田地域水質組成図 (その 6) (全試料)



第37-6図 湯田地域特定成分含量の頻度分布図

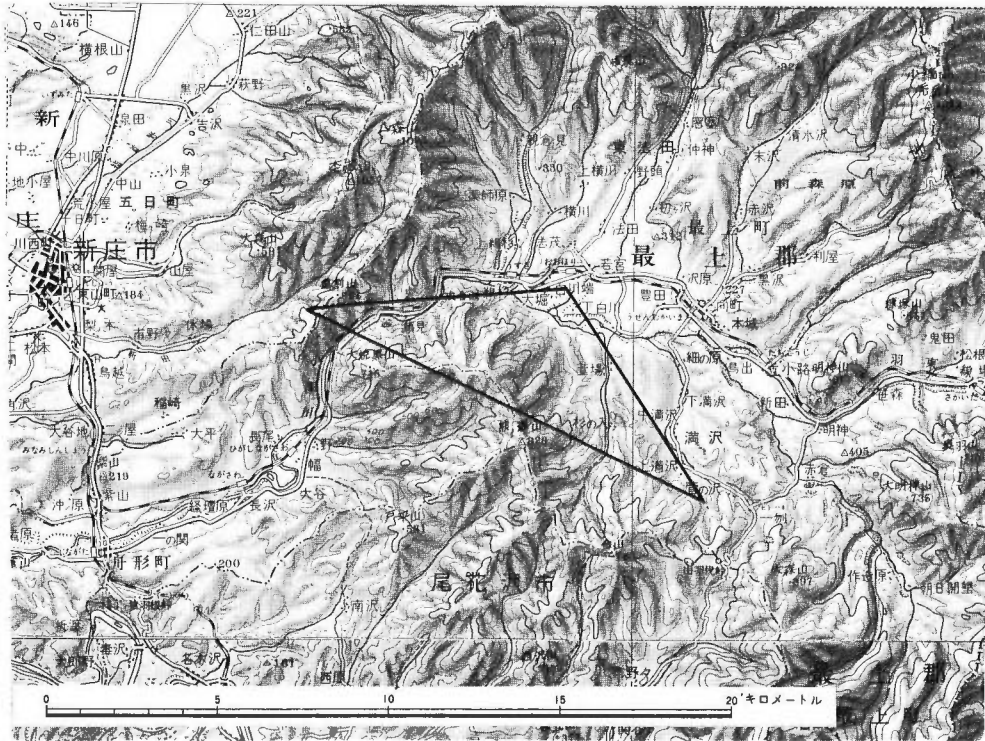


38. 瀬見

Semi

位置	山形県最上郡最上町
データ数	17
収集・整理	阿部智彦・比留川 貴
協力	山形県衛生研究所, 同最上郡最上町

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「新庄」を使用したものである）



第 38-1 表 瀬見地域試料一覽表

No.	産	地	温 泉 名	源 泉 名	採 水 年 月 日	文 献 No.	文 献 中 的 試 料 No.	備 考
AKC-1	山形県最上郡最上町大堀	字瀬見	瀬 見	観松館1号	1960. 2. 26	53	衛研第617号	D=0m, Q=60.0l/m, F
2	"	"	"	観松館2号	1950. 7. 6	"	衛試 675号	D=0m, Q=30.0l/m, F
3	"	"	"	町有1号	1967. 4. 25	"	衛研第952号	D=13.9m, Q=180l/m, P
4	"	"	"	喜至楼2号	1960. 2. 26	"	" 615号	D=0m, Q=10.8l/m, F
5	"	"	"	松 葉 館	"	"	" 614号	D=0m, Q=10.8l/m, F
6	"	"	"	観松館3号	"	"	" 616号	D=0m, Q=27.0l/m, F
7	"	"	"	下 湯	1950. 7. 6	"	衛試 678号	D=0m, Q=20.43l/m, F
8	"	"	"	下 湯 残 湯	"	"	" 676号	D=0m, Q=15.75l/m, F
9	"	"	"	薬 研 湯	"	"	" 677号	D=0m, Q=98.78l/m, F
10	"	"	"	蒸 湯	"	"	" 679号	D=0m, Q=30.95l/m, F
11	"	"	"	町有3号	1967. 4. 25	"	衛研第954号	D=35.5m, Q=150l/m, P
12	"	"	"	喜至楼1号	1960. 2. 26	"	" 618号	D=0m, Q=70.0l/m, F
13	"	"	"	橋 元 湯	1950. 7. 6	"	衛試第674号	D=0m, Q=52.51l/m, F
14	"	"	"	町有2号	1967. 4. 25	"	衛研第953号	D=38.2m, Q=160l/m, P
15	"	"	大	1 号	1970. 6. 9	"	" 625号	D=121m, Q=250l/m, F
16	"	"	"	2 号	"	"	" 626号	D=152m, Q=720l/m, F
17	"	"	(満 沢)		" 10. 7	52		

温泉名の()は、文献41に記載されていないもの、備考欄の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 38-2 表 瀨見地域水質一覽表

	AKC 1	AKC 2	AKC 3	AKC 4
NO				
TEMP	59.0	66.5	63.0	68.0
TSM	1991.000	1997.000	1836.000	2054.000
PH(FD)	-	-	7.50	-
PH(LR)	-	-	7.30	-
H (MG/KG)(MVAL/KG)				
K	21,940	23,483	0,601	23,170
NA	503,800	501,200	21,802	508,100
NH4				
CA	154,100	160,400	8,004	158,200
Mg	2,773	1,969	0,162	2,804
FE	1,164	0,671	0,024	0,876
MN	-	-	-	-
ZN	-	-	-	-
CU	-	-	0,035	-
PB	-	-	-	-
AL	1,424	1,234	0,854	1,094
CL	583,400	577,100	16,280	588,100
NR	-	-	1,015	-
I	-	-	0,296	-
F	-	-	-	-
OH	-	-	-	-
SU4	630,500	633,300	13,185	629,900
S2O3	-	-	0,005	-
HCO3	59,430	76,130	591,300	13,115
CO3	-	-	0,849	-
S102 (MG/KG)(MMUL/KG)				
H802	59,652	61,329	1,021	61,421
H3PO4	19,740	17,510	0,400	19,520
HAS02	-	-	-	-
CO2	0,580	7,643	0,174	0,953
H2S	0,758	0,682	0,020	0,714
RN (ME-10 CURIE/L)	-	-	-	-
NA/K	59,049	36,295	31,726	37,292
CA/(HCO3+CO3)	7,894	6,415	8,063	6,376
Mg/CA	0,040	0,020	0,012	0,029
NA/CA	2,850	2,724	2,905	2,800
CL/(HCO3+CO3)	16,896	13,047	16,967	13,400
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	55,856	53,007	52,312	53,616
S04*100/(CL+S04+HCO3+CO3)	42,957	42,931	44,605	42,383
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	3,137	4,063	3,083	4,001
(NA+K)*100/(NA+K+CA+MG)	73,950	73,287	74,760	73,638
CA*100/(NA+K+CA+MG)	25,299	26,183	24,949	25,614
Mg*100/(NA+K+CA+MG)	0,731	0,530	0,291	0,749
(CL+S04)*100/(CL+S04+HCO3+CO3)	96,813	95,937	96,917	95,999
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	3,187	4,063	3,083	4,001
(NA+K)*100/(NA+K+CA+MG)	73,950	73,287	74,760	73,638
(CA+MG)*100/(NA+K+CA+MG)	26,030	26,713	25,240	26,363

第38-2表 瀬見地域水質一覽表 (つづき)

	AKC 5	AKC 6	AKC 7	AKC 8
NU	55.0	69.0	66.4	69.0
TEMP	2059.000	2075.000	1996.000	1992.000
TSM	-	-	-	-
PH(FD)	-	-	-	-
PH(LH)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	23.640	24.510	25.990	25.310
NA	508.200	510.400	490.200	503.900
NH4	-	-	-	-
CA	156.900	159.900	172.200	155.300
MG	2.474	3.514	3.063	2.232
FE	0.847	0.974	0.796	0.849
MN	-	-	-	-
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	1.273	1.045	1.927	0.884
CL	587.900	594.400	567.200	574.300
HR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
SU4	633.200	636.900	664.500	634.500
SU5	-	-	-	-
HCO3	70.090	71.920	74.860	72.470
CO3	-	-	-	-
SI02 (MG/KG) (MMUL/KG)	58.644	60.182	64.921	60.729
H802	20.670	22.470	20.430	21.040
H3P04	-	-	-	-
HAS02	1.614	0.131	8.140	6.574
CU2	0.680	0.953	0.708	0.729
H2S	-	-	-	-
RN (RE-10 CURIE/L)	-	-	-	-
NA/K	56.957	35.412	32.074	33.856
CA/(HCO3+CU3)	6.815	6.769	7.003	6.524
MG/CA	0.050	0.036	0.029	0.024
NA/CA	2.824	2.783	2.482	2.629
CL/(HCO3+CU3)	14.437	14.225	13.041	13.640
CL/F	-	-	-	-
CL#100/(CL+S04+HCO3+CU3)	55.643	53.745	51.511	52.946
S04#100/(CL+S04+HCO3+CU3)	42.841	42.687	44.539	43.172
(HCO3+CU3)#100/(CL+S04+HCO3+CU3)	3.716	3.778	3.950	3.882
(NA+K)#100/((NA+K+CA+MG)	73.793	73.412	71.314	73.990
CA#100/((NA+K+CA+MG)	25.439	25.658	27.868	25.408
MG#100/((NA+K+CA+MG)	0.768	0.930	0.817	0.602
(CL+S04)#100/(CL+S04+HCO3+CU3)	96.284	96.223	96.050	96.118
(HCO3+CU3)#100/(CL+S04+HCO3+CU3)	3.716	3.778	3.950	3.882
(NA+K)#100/((NA+K+CA+MG)	73.793	73.412	71.314	73.990
(CA+MG)#100/((NA+K+CA+MG)	26.207	26.588	28.686	26.010

第38-2表 瀬見地域水質一覽表 (つづき)

	AKC 9	AKC 10	AKC 11	AKC 12
NIU			65.0	64.2
TEMP	09.8	67.5	1955.000	2025.000
ISM	2003.000		7.50	
PH(FD)			7.10	
PH(CLR)				
H (MG/KG)(MVAL/KG)				
K	24.530	25.130	26.590	23.470
NA	491.800	508.100	476.600	507.800
NH4				
CA	171.400	163.900	149.200	156.400
MG	2.319	3.027	1.750	2.794
FE	0.912	0.960	0.184	0.993
MN				
ZN				
CU			0.037	
PB				
AL	0.972	1.394	0.983	1.047
CL	582.200	581.400	520.600	586.400
HR			1.223	
I			0.085	
F				
OH			0.005	
SU4	633.700	660.400	651.800	632.800
SZU3			57.320	
HC03	76.510	71.920	0.054	67.940
CU3				
S102 (MG/KG)(MPUL/KG)				
M02	60.328	68.914	67.036	60.882
M02	16.320	20.430	6.134	21.420
H2E04				
HAS02	5.724	8.127	4.409	1.154
C02	0.899	0.551	0.511	0.748
H2S				
HN (#E-10 CURIE/L)				
NA/K	54.374	34.383	30.481	36.793
CA/(HC03+C03)	6.838	6.938	7.940	7.009
MG/CA	0.022	0.030	0.019	0.029
NA/CA	2.501	2.702	2.785	2.830
CL/(HC03+C03)	13.132	13.914	15.662	14.856
CL/E				
CL#100/(CL+SD4+HCU3+CU3)	53.206	52.351	50.305	53.655
S04#100/(CL+SU4+HC03+C03)	42.742	43.887	46.483	42.735
(HC03+C03)#100/(CL+SU4+HC03+C03)	4.052	3.762	3.212	3.612
(NA+K)#100/(NA+K+CA+MG)	71.574	72.965	73.832	73.850
CA#100/(NA+K+CA+MG)	27.806	26.236	25.671	25.402
MG#100/(NA+K+CA+MG)	0.620	0.799	0.497	0.748
(CL+SD4)#100/(CL+SU4+HC03+C03)	95.948	96.238	96.788	96.388
(HC03+C03)#100/(CL+SU4+HC03+C03)	4.052	3.762	3.212	3.612
(NA+K)#100/(NA+K+CA+MG)	71.574	72.965	73.832	73.850
(CA+MG)#100/(NA+K+CA+MG)	28.426	27.035	26.168	26.150

第38-2表 瀬見地域水質一覽表 (つづき)

	AKC 14	AKC 14	AKC 14	AKC 15	AKC 16
NO					
TEMP	63.1	63.8	32.2	32.0	32.0
TSM	2034.000	1469.000	158.800	157.600	157.600
PH(FD)	7.60	7.60	8.70	8.50	8.50
PH(LR)	-	7.30	8.55	8.40	8.40
H (MG/KG)(MV/L/KG)					
K	23.690	0.606	25.020	0.640	0.469
Na	308.700	22.128	466.400	20.288	38.800
NH4					0.340
Ca	157.700	7.869	135.900	6.781	0.019
Mg	2.444	0.234	0.972	0.080	1.602
FE	0.756	0.027	1.660	0.243	0.365
MN	-	-	-	0.132	0.198
ZN	-	-	-	-	-
CU	-	-	0.091	0.003	-
PB	-	-	-	-	-
AL	1.102	0.123	0.974	0.108	0.104
CL	588.500	16.602	523.200	14.759	9.220
HR	-	-	1.287	0.016	-
I	-	-	0.148	0.001	-
F	-	-	-	-	-
OH	-	-	0.007	0.000	0.054
S04	632.900	13.177	591.300	12.511	23.700
S203	-	-	-	-	0.493
HCO3	71.610	1.174	61.920	1.015	76.050
CO3	-	-	0.072	0.002	1.368
SI02 (MG/KG)(MKUL/KG)					
H002	60.921	1.014	70.036	1.166	39.225
H3PO4	19.240	0.439	5.383	0.123	0.363
HAS02	-	-	-	-	-
CO2	8.180	0.186	3.722	0.085	0.572
H2S	0.832	0.024	0.613	0.018	-
RN (#E-10 CURIE/L)					
NA/K	36.516	31.700	192.955	140.685	140.685
CA/(HCO3+CO3)	6.705	6.666	0.049	0.063	0.063
Mg/CA	0.030	0.012	0.334	0.376	0.376
NA/CA	2.812	2.992	30.885	21.113	21.113
CL/(HCO3+CO3)	14.145	14.509	0.245	0.207	0.207
CL/F					
CL#100/(CL+S04+HCO3+CU3)	53.636	52.548	14.249	12.922	12.922
S04#100/(CL+S04+HCO3+CU3)	42.572	43.830	27.496	24.515	24.515
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	3.792	3.622	58.256	62.563	62.563
(NA+K)#100/(NA+K+CA+MG)	73.723	75.310	95.881	93.923	93.923
CA#100/(NA+K+CA+MG)	25.518	24.403	3.088	4.417	4.417
Mg#100/(NA+K+CA+MG)	0.759	0.288	1.031	1.660	1.660
(CL+S04)#100/(CL+S04+HCO3+CO3)	96.208	96.378	41.744	37.437	37.437
(HCO3+CO3)#100/(CL+S04+HCO3+CO3)	3.792	3.622	58.256	62.563	62.563
(NA+K)#100/(NA+K+CA+MG)	73.723	75.310	95.881	93.923	93.923
(CA+MG)#100/(NA+K+CA+MG)	26.277	24.690	4.119	6.077	6.077

第 38-2 表 瀬見地域水質一覧表 (つづき)

NU	AKC 17
TEMP	31.4
TSM	294.000
PH(FD)	7.70
PH(LR)	-
M (MG/KG) (MVAL/KG)	-
K	1.900
NA	41.000
NH4	-
CA	22.000
Mg	3.260
FE	0.150
MN	-
ZN	-
CU	-
PB	-
AL	0.040
CL	13.200
NR	-
I	-
F	-
OH	-
SU4	87.300
S203	-
HCU3	62.070
CO3	-
SI02 (MG/KG) (MMUL/KG)	-
H802	14.001
H3PB4	16.200
HAS02	-
CU2	-
H2S	3.650
HN (#E-10 CURIE/L)	22.300
NA/K	56.696
CA/(HCU3+CO3)	1.079
Mg/CA	0.244
NA/CA	1.625
CL/(HCU3+CO3)	0.366
CL/E	-
CL*100/(CL+S04+HCU3+CO3)	11.610
S04*100/(CL+S04+HCU3+CO3)	56.671
(HCU3+CO3)*100/(CL+S04+HCU3+CO3)	31.719
(NA+K)*100/(NA+K+CA+MG)	57.286
CA*100/(NA+K+CA+MG)	56.326
Mg*100/(NA+K+CA+MG)	8.368
(CL+S04)*100/(CL+S04+HCU3+CO3)	68.281
(HCU3+CO3)*100/(CL+S04+HCU3+CO3)	31.719
(NA+K)*100/(NA+K+CA+MG)	57.286
(CA+MG)*100/(NA+K+CA+MG)	52.719

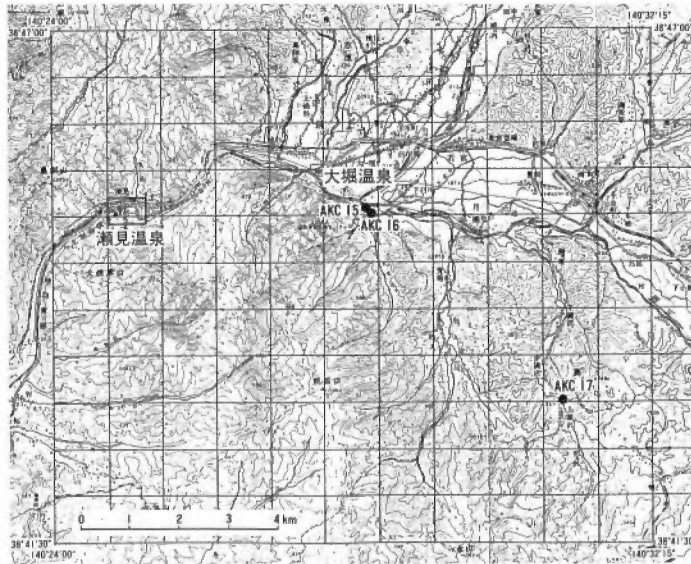
第 38-3 表 瀬見地域特定成分含量の頻度分布表

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

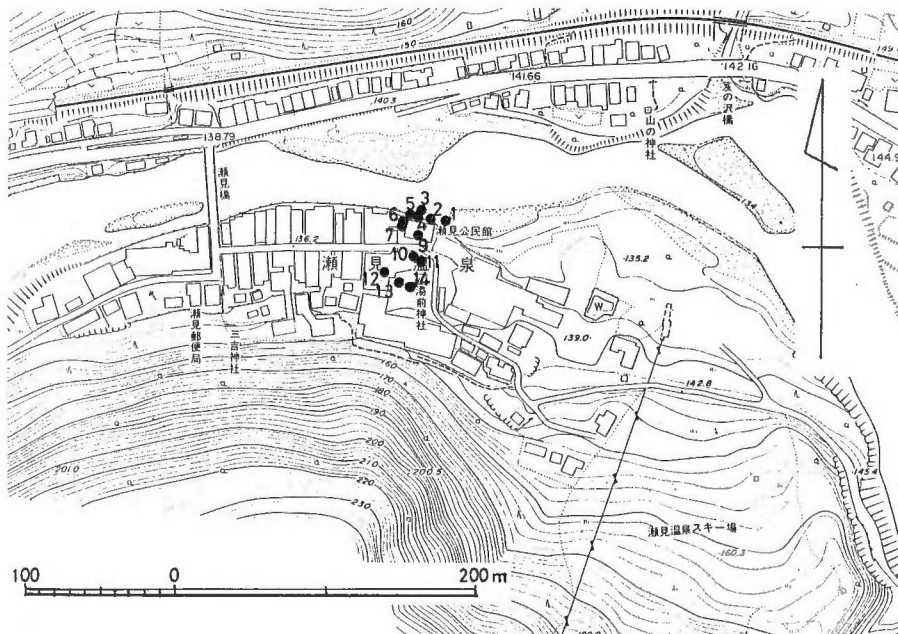
ZN		CU		PB		AS		H2S			
	N	F(%)		N	F(%)		N	F(%)		N	F(%)
ND	17	100.0	ND	14	82.3	ND	17	100.0	ND	2	11.8
<0.500	0	0.0	<0.300	3	17.7	<0.100	0	0.0	< 1.000	14	82.3
<5.000	0	0.0	<3.000	0	0.0	<1.000	0	0.0	< 10.000	1	5.9
>5.000	0	0.0	>3.000	0	0.0	>1.000	0	0.0	<100.000	0	0.0
TOTAL	17	100.0	TOTAL	17	100.0	TOTAL	17	100.0	>100.000	0	0.0
.....											
PB		AS		H2S		TOTAL		TOTAL		TOTAL	
ND	17	100.0	ND	17	100.0	ND	17	100.0	ND	2	11.8
<0.100	0	0.0	<0.050	0	0.0	<0.100	0	0.0	< 1.000	14	82.3
<1.000	0	0.0	<0.500	0	0.0	<1.000	0	0.0	< 10.000	1	5.9
>1.000	0	0.0	<5.000	0	0.0	>1.000	0	0.0	<100.000	0	0.0
TOTAL	17	100.0	>5.000	0	0.0	TOTAL	17	100.0	>100.000	0	0.0
.....											
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
17	100.0	17	100.0	17	100.0	17	100.0	17	100.0	17	100.0

N= NUMBER OF SAMPLES
F= FREQUENCY (%)

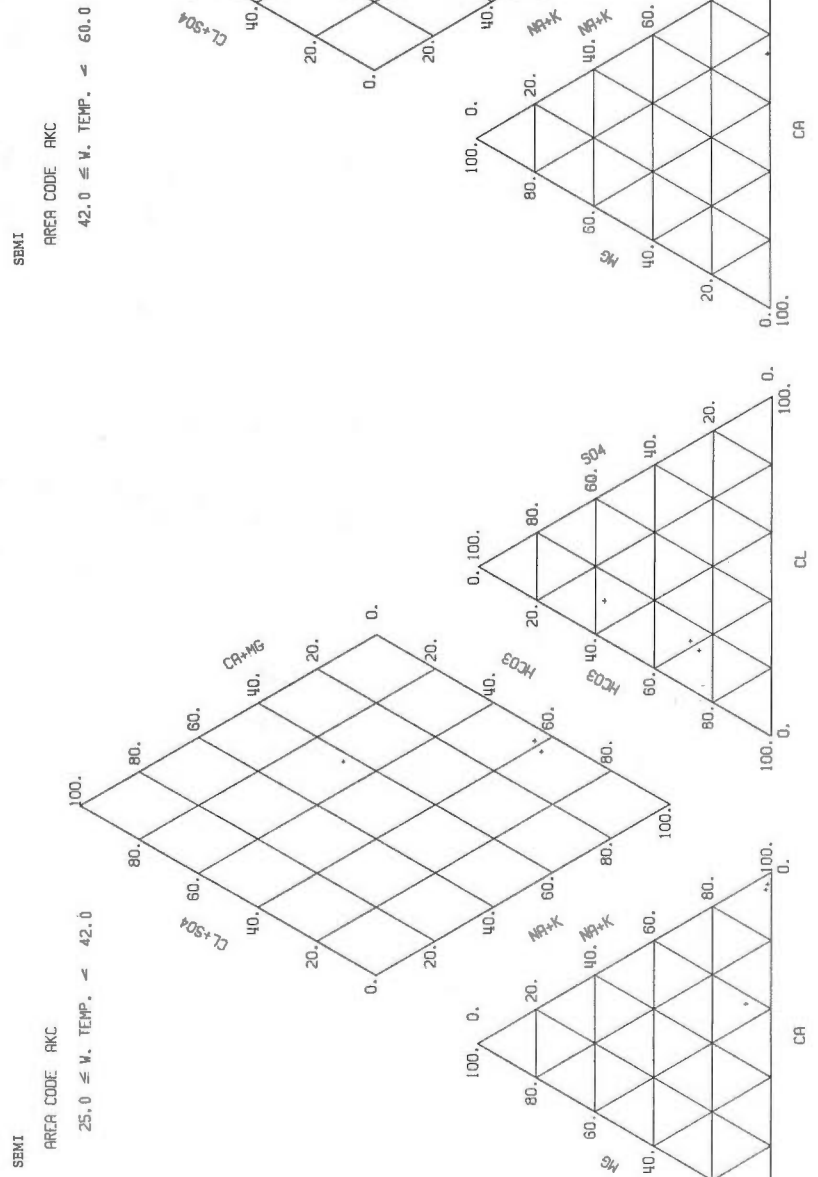
第 38-1 図 瀬見地域の温泉分布及び試料採取地
 (この地図は、国土地理院発行の5万分の1地形図「新庄」及び「鳴子」を使用したものである。)



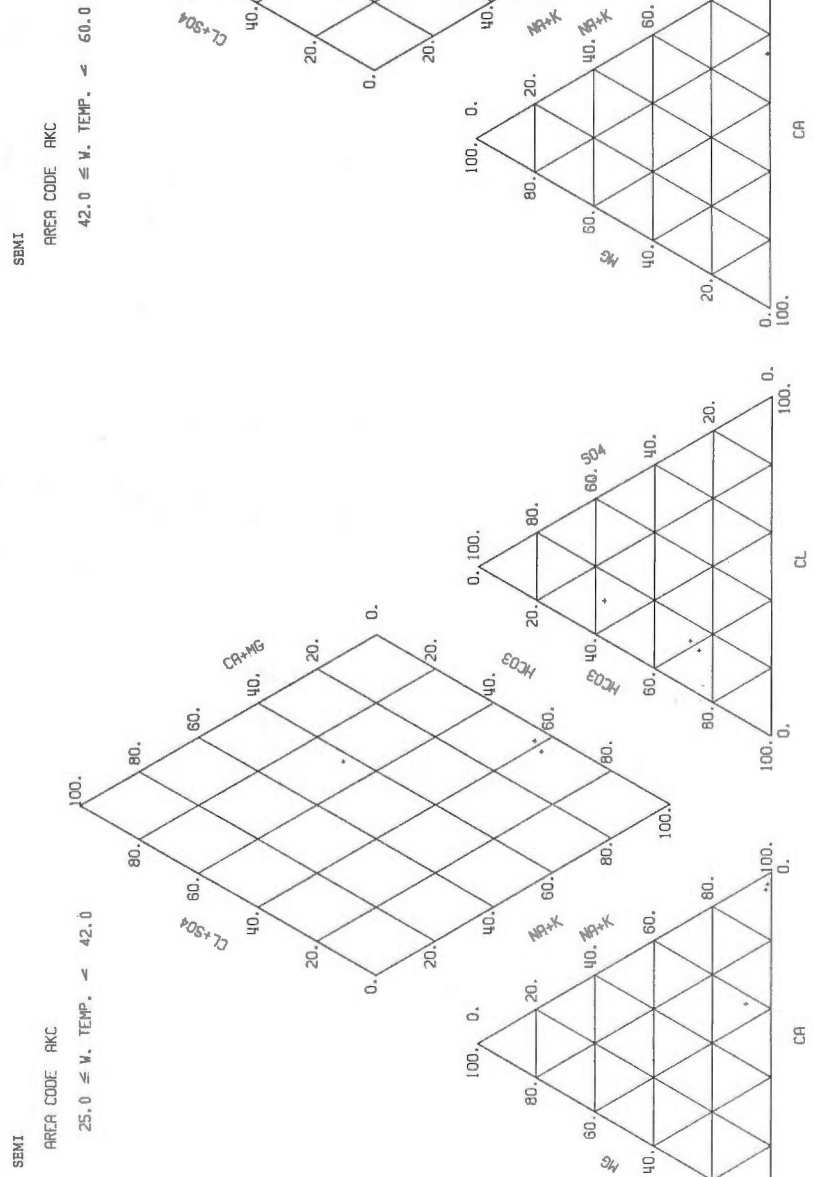
第 38-2 図 試料採取地 (瀬見温泉)



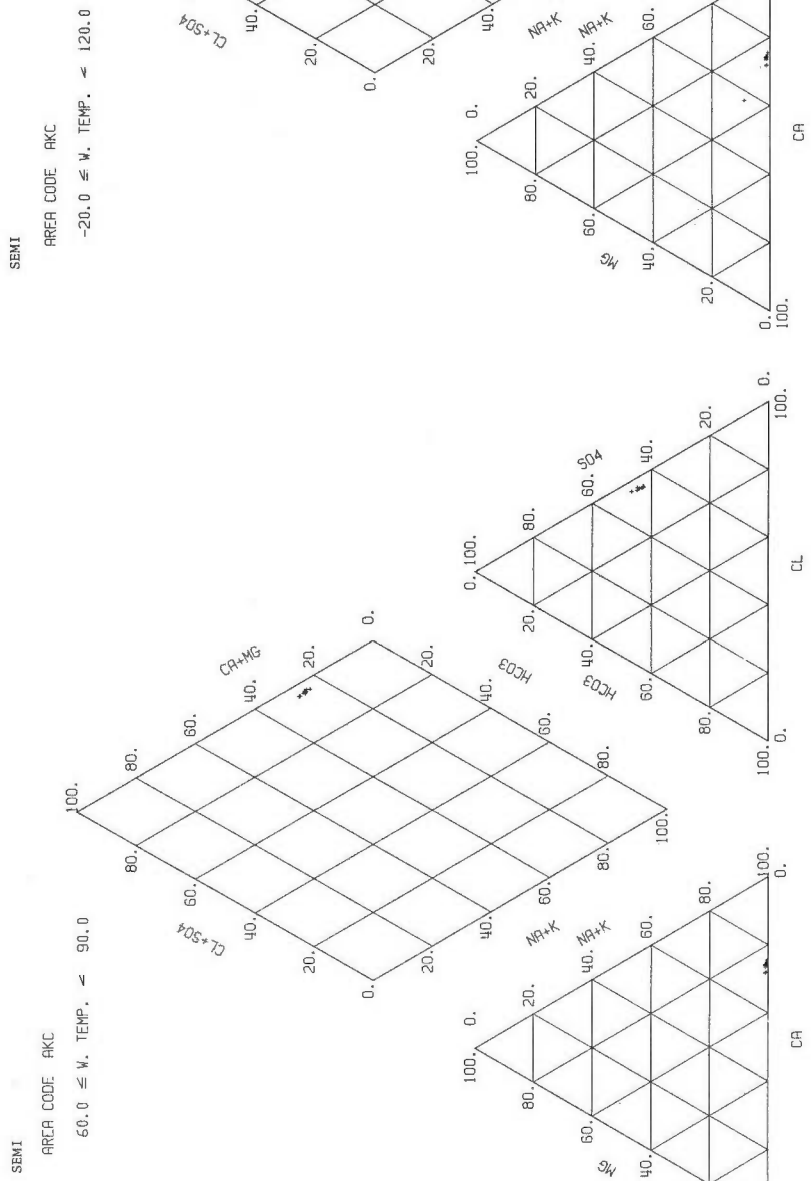
第38-3図 瀬見地域水質組成図 (その1) (水温25℃以上42℃未満)



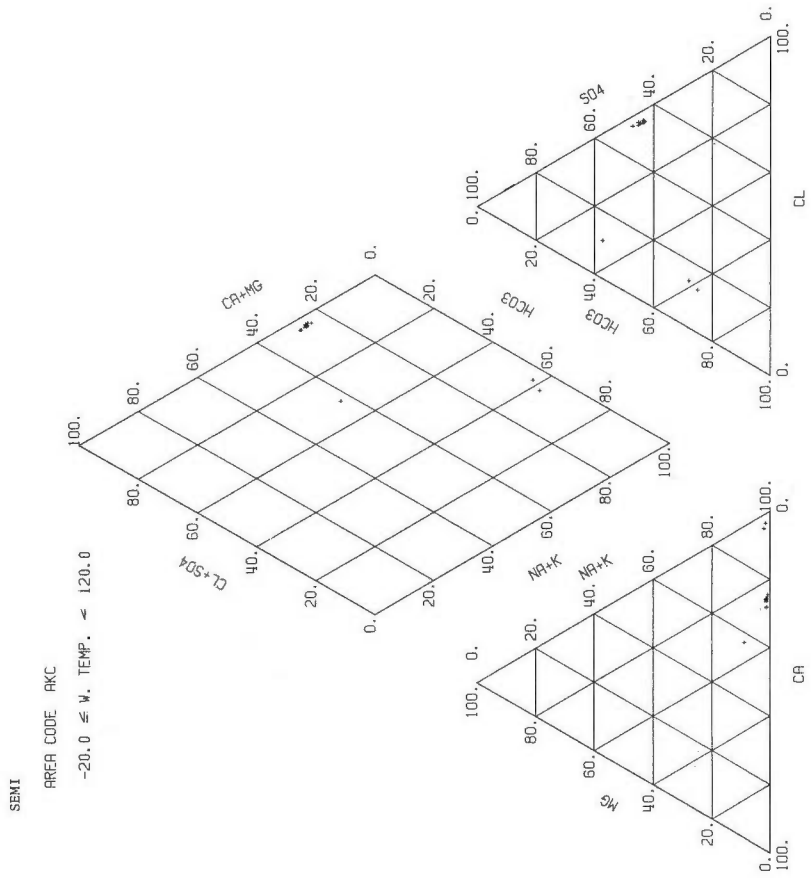
第38-3図 瀬見地域水質組成図 (その2) (水温42℃以上60℃未満)



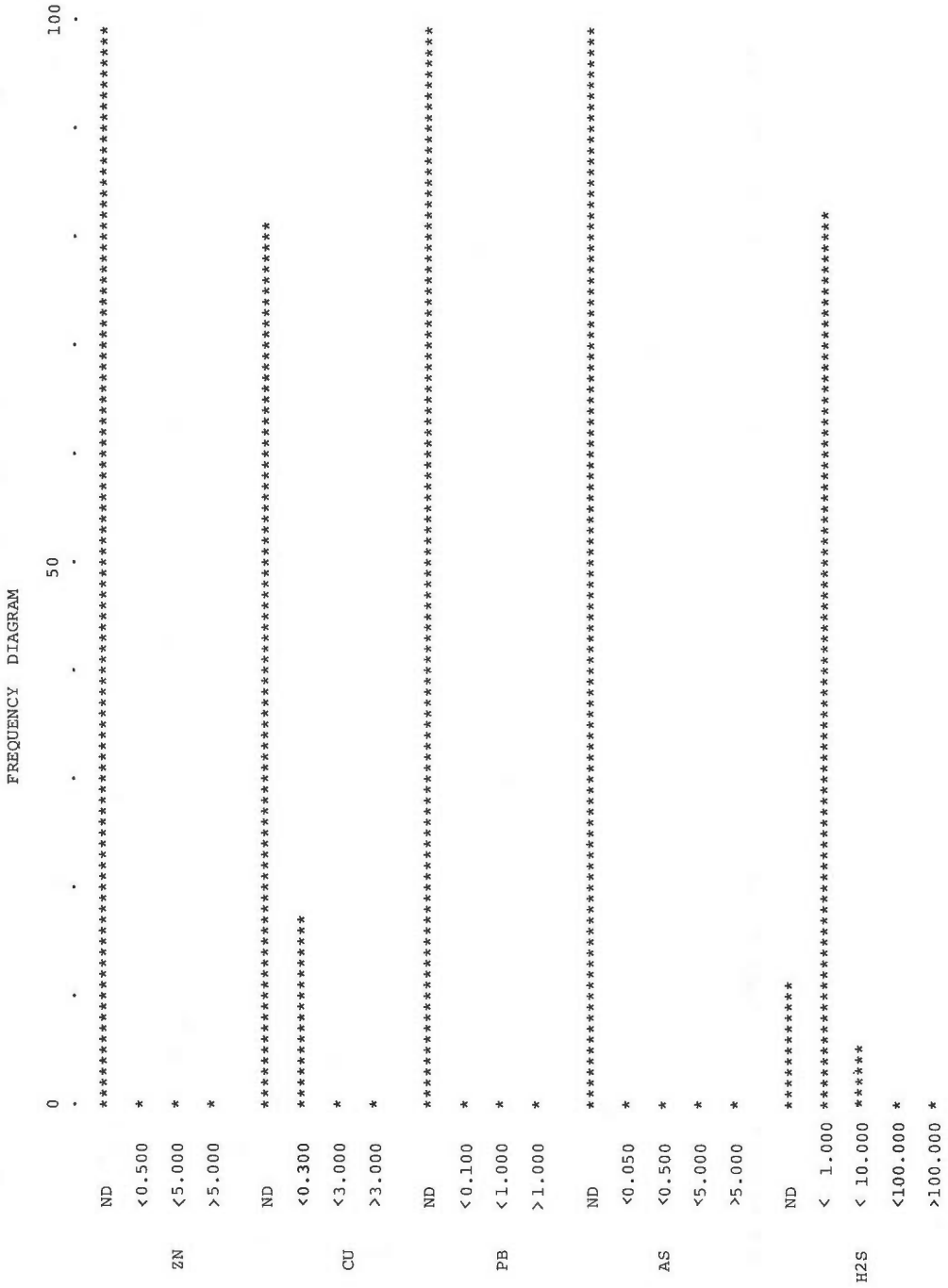
第 38-3 図 瀬見地域水質組成図 (その 3) (水温60°C以上90°C未満)



第 38-3 図 瀬見地域水質組成図 (その 4) (全試料)



第 38-4 図 瀬見地域特定成分含量の頻度分布図

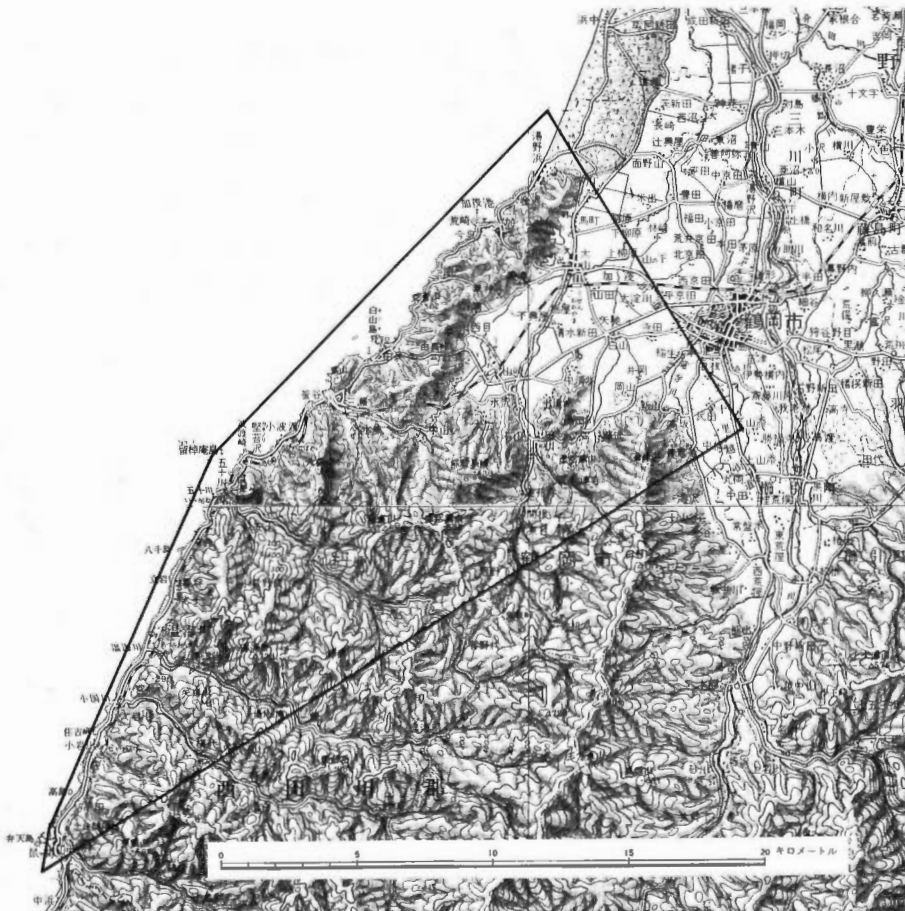


39. 温海

Atsumi

位置	山形県鶴岡市，同西田川郡温海町
データ数	37
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（この地図は、国土地理院発行の20万分の1地勢図「酒田」、「村上」を使用したものである）



第 39-1 表 温海地域試料一覽表

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
ATC-1	山形県鶴岡市湯野浜75	湯の浜	富鶴岡市	1949. 9. 6	53	衛試第1580号	D=68.7m, P
"	"	"	鶴岡市	"	"	" 第1582号	"
"	"	"	湯の浜ホテル	"	"	" 第1581号	"
"	"	"	大黒屋	"	"	" 第1584号	"
"	"	"	いさごや	"	"	" 第1585号	"
"	"	"	扇屋	"	"	" 第1586号	"
"	"	"	亀屋ホテル	1967. 2. 7	"	衛研第1933号	D=124m, Q=144l/m, P
"	"	"	岩本屋	"	"	" 第1934号	D=80.3m, Q=64.8l/m, P
"	"	"	都岩崎屋	"	"	" 第1935号	D=47.7m, Q=46.8l/m, P
"	"	"	岩崎屋	"	"	" 第1936号	D=98.7m, P
"	"	"	鶴岡市	"	"	" 第1937号	D=200m, Q=201l/m, P
"	"	"	大屋	"	"	" 第1938号	D=84.7m, Q=52l/m, P
"	"	"	扇屋	"	"	" 第1939号	P, X
"	"	"	厚生有限公司	"	"	" 第1940号	D=212m, Q=230l/m, P
"	"	"	宝湯1号	"	"	" 第1941号	D=158m, Q=240l/m, P
"	"	"	2号	"	"	" 第1942号	D=218m, Q=240l/m, P
"	"	"	湯元館	"	"	" 第1943号	D=220m, Q=108l/m, P
"	"	"	龍の湯1号	"	"	" 第1944号	D=209m, Q=41.4l/m, P
"	"	"	" 2号A	"	"	" 第1945号	D=303m, Q=36l/m, P
"	"	"	" 2号B	"	"	" 第1946号	"
"	"	"	松林館	1971. 6. 1	"	" 第2782号	P
"	"	"	手塚津	1967. 5. 11	"	"	D=620m, Q=500l/m, P
"	"	"	梅市	"	"	"	D=131m, Q=18.0l/m, P
"	"	"	市営1号	1968. 2. 19	"	衛研第17099号	F, X
"	"	"	2号	"	"	" 第15620号	D=60.0m, Q=70.0l/m, P
"	"	"	山沢川	1969. 6. 5	"	" 第679号	D=0m, P
"	"	"	石川屋	"	"	" 第680号	D=0m, P
"	"	"	正面の湯	1968. 7. 23	"	" 第1196号	P
"	"	"	堀さく野	"	"	" 第1197号	F, X
"	"	"	秋野	1970. 7. 9	"	" 第8219号	F, X
"	"	"	今間	1971. 5. 18	"	" 第1677号	F, X
"	"	"	1号	1967. 8. 8	"	"	P
"	"	"	2号	"	"	"	P
"	"	"	3号	"	"	"	P
"	"	"	万国屋	1952. 8. 29	"	衛試第564号	D=0m, F, X
"	"	"	湯之瀬	1956. 2. 4	"	衛研第6号	D=0m, F, X
"	"	"	五風	1971. 12. 2	"	" 第10733号	P

温泉名の()は、文献41に記載されていないもの、備考欄のDは深度(m)、Qは湧・揚水量(l/m)、Pは自噴、D=0m……Fは源泉位置不明を示す。

第39-2表 溫海地域水質一覽表

	ATC 1	ATC 2	ATC 3	ATC 4
NO	45.1	53.0	49.4	44.2
TEMP	4065.000	4944.000	4759.000	4515.000
TSM	7.60	8.10	8.10	8.00
PH(F01)				
PH(LR)				
H (M5/KG)(MVAI/KG)				
K	19.700	18.900	22.900	17.300
NA	872.400	1063.000	1069.000	1008.000
NH4	0.520	0.370	-	0.170
CA	545.500	730.100	653.100	620.500
MG	60.090	14.200	23.800	22.700
FE	0.790	0.970	0.812	0.886
MN	-	-	-	-
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	1.410	2.056	1.420	1.749
CL	2308.000	2741.000	2676.000	2527.000
HR	-	-	-	-
I	-	-	-	-
f	-	-	-	-
UH	-	-	-	-
S04	272.300	347.900	302.700	290.400
S2O5	-	-	-	-
HCO3	1.784	0.947	1.456	1.402
CU3	-	-	-	-
SI02 (MG/KG)(MMUI/KG)	28.764	56.149	33.757	34.057
HB02	3.490	4.582	4.235	3.737
H3PU4	-	-	-	-
HASU2	-	-	-	-
CU2	2.816	0.064	-	-
H2S	-	-	-	-
RN (RE-10 CURIE/L)	-	14.270	-	14.810
NA7K	75.307	95.645	79.384	99.084
CA/(HCO3+CU3)	950.598	2347.221	1365.651	1347.458
MG/CA	0.182	0.032	0.060	0.060
NA/CA	1.395	1.269	1.427	1.416
CL/(HCO3+CU3)	2226.717	4981.762	3165.360	3102.282
CL/F				
CL*100/(CL+S04+HCO3+CU3)	91.952	91.418	92.268	92.154
S04*100/(CL+S04+HCO3+CU3)	6.007	8.564	7.703	7.816
(HCO3+CU3)*100/(CL+S04+HCO3+CU3)	0.041	0.018	0.029	0.030
(NA+K)*100/(NA+K+CA+MG)	54.460	55.410	57.680	57.430
CA*100/(NA+K+CA+MG)	38.537	43.205	39.921	40.148
MG*100/(NA+K+CA+MG)	7.003	1.386	2.399	2.422
(CL+S04)*100/(CL+S04+HCO3+CU3)	99.959	99.982	99.971	99.970
(HCO3+CU3)*100/(CL+S04+HCO3+CU3)	0.041	0.018	0.029	0.030
(NA+K)*100/(NA+K+CA+MG)	54.460	55.410	57.680	57.430
(CA+MG)*100/(NA+K+CA+MG)	45.540	44.590	42.320	42.570

第39-2表 温海地域水質一覽表 (つづき)

NO	TEMP	TSR	PH(FD)	PH(LR)	ATC		ATC		ATC		ATC	
					5	6	7	8	7	8	7	8
					43.5	43.3	45.6	46.3	4797.000	4746.000	7.80	7.70
					4941.000	5019.000	7.80	7.10				
					8.00							
H (MG/KG) (PVAL/KG)												
K	25.100	0.642	25.300	0.647	26.200	0.670	37.540	0.960				
MA	1107.000	48.154	1109.000	48.241	1150.000	50.025	1124.000	48.894				
MA4	0.250	0.013	-	-	0.103	0.006	0.103	0.006				
CA	677.500	33.807	667.000	33.283	561.700	28.029	542.700	27.081				
MG	19.200	1.580	36.900	3.056	24.790	2.040	43.110	3.548				
FE	0.961	0.034	1.420	0.051	0.042	0.002	0.036	0.001				
MN	-	-	-	-	-	-	-	-				
ZN	-	-	-	-	-	-	-	-				
CU	-	-	-	-	-	-	-	-				
PB	-	-	-	-	-	-	-	-				
AL	1.973	0.219	2.194	0.244	2.455	0.273	1.287	0.143				
CL	2741.000	77.324	2773.000	78.226	2615.000	73.769	2567.000	72.415				
BR	-	-	-	-	9.750	0.122	12.690	0.159				
I	-	-	-	-	1.270	0.010	1.333	0.011				
F	-	-	-	-	-	-	-	-				
OH	-	-	-	-	0.010	0.001	0.009	0.001				
S04	540.200	7.083	547.100	7.227	340.800	7.095	358.800	7.470				
S2O3	-	-	-	-	-	-	-	-				
HCO3	1.227	0.020	1.968	0.032	37.520	0.615	45.640	0.748				
CU3	-	-	-	-	0.138	0.005	0.132	0.004				
SI02 (MG/KG) (MMQI/*G)	42.150	0.702	43.750	0.728	27.002	0.450	18.005	0.300				
H8O2	4.830	0.110	3.884	0.089	7.087	0.162	4.252	0.097				
H3PO4	-	-	-	-	-	-	-	-				
HAS02	-	-	-	-	-	-	-	-				
CO2	-	-	-	-	-	-	-	-				
H2S	-	-	-	-	4.752	0.108	1.444	0.033				
RN (RE-10 CUFIE/L)	-	-	16.660	-	-	-	-	-				
NA/K	75.000		74.542		74.642		50.917					
CA/(HC03+CU3)	1681.071		1031.863		45.240		35.991					
MG/CA	0.047		0.091		0.073		0.131					
NA/CA	1.424		1.449		1.785		1.805					
CL/(HC03+CU3)	3844.930		2425.207		119.068		96.240					
CL/F	-	-	-	-	-	-	-	-				
CL*100/(CL+S04+HCO3+CU3)	91.587		91.509		90.532		89.803					
S04*100/(CL+S04+HCO3+CU3)	8.589		8.454		8.708		9.284					
(HC03+CU3)*100/(CL+S04+HCO3+CU3)	0.024		0.038		0.760		0.933					
(NA+K)*100/(NA+K+CA+MG)	57.964		57.375		62.770		61.944					
CA*100/(NA+K+CA+MG)	40.159		39.061		34.705		33.648					
MG*100/(NA+K+CA+MG)	1.877		3.564		2.526		4.408					
(CL+S04)*100/(CL+S04+HCO3+CU3)	99.976		99.962		99.240		99.067					
(HC03+CU3)*100/(CL+S04+HCO3+CU3)	0.024		0.038		0.760		0.933					
(NA+K)*100/(NA+K+CA+MG)	57.964		57.375		62.770		61.944					
(CA+MG)*100/(NA+K+CA+MG)	42.036		42.625		37.230		38.056					

第39-2表 温海地域水質一覽表 (つづき)

NO	項目	ATC 9		ATC 10		ATC 11		ATC 12	
		50.5	79.5	51.2	27.0	51.2	27.0	51.2	27.0
TSR		7364.000	5323.000	5974.000	1068.000	7.80	7.50	7.80	7.50
PH(D)		7.90	6.90	7.80	7.80	7.80	7.80	7.80	7.80
PH(I)		7.20	6.90	7.20	7.10	7.20	7.10	7.20	7.10
H (MG/KG) (MVAL/KG)									
K		55.190	19.160	0.900	0.490	28.550	0.730	8.995	0.250
NA		1725.000	791.200	5.037	34.417	1403.000	61.030	234.600	10.205
NH4		0.103	-	0.006	-	0.255	0.014	-	-
CA		876.800	484.500	4.545	19.177	744.000	37.126	117.000	5.838
MG		67.890	50.720	5.587	2.528	23.280	1.916	14.340	1.180
FE		0.036	0.110	0.001	0.004	0.126	0.005	1.170	0.042
MN		-	-	-	-	-	-	-	-
ZN		-	-	-	-	-	-	-	-
CU		-	-	-	-	-	-	-	-
PB		-	-	-	-	-	-	-	-
AL		5.075	1.256	0.342	0.157	2.805	0.312	0.833	0.093
L (MG/KG) (MMUL/KG)									
CL		4037.000	1787.000	115.884	50.411	3261.000	91.993	549.700	15.507
HR		16.950	6.002	0.212	0.075	13.430	0.168	1.742	0.022
I		1.566	0.529	0.012	0.004	1.523	0.012	0.148	0.001
F		0.014	0.002	0.001	0.000	0.010	0.001	0.003	0.000
OH		540.000	266.400	11.243	5.588	421.600	8.778	79.800	1.661
S04		32.005	12.004	0.533	0.200	49.007	0.649	20.000	0.333
S203		4.251	1.415	0.097	0.032	5.671	0.129	2.836	0.065
HCO3		0.144	0.024	0.005	0.001	0.096	0.003	0.054	0.002
C03		32.005	12.004	0.533	0.200	49.007	0.649	20.000	0.333
S102 (MG/KG) (MMUL/KG)		4.251	1.415	0.097	0.032	5.671	0.129	2.836	0.065
H2O2		-	-	-	-	-	-	-	-
H3PO4		-	-	-	-	-	-	-	-
HASU2		-	-	-	-	-	-	-	-
CU2		-	-	-	-	-	-	-	-
H2S		1.021	0.326	0.023	0.009	0.942	0.021	5.338	0.121
RN (RE-10 CURIE/L)									
NA/K		83.360	70.223	83.568	44.352	83.568	44.352	83.568	44.352
CA/(HCO3+C03)		80.576	25.450	91.612	8.001	91.612	8.001	91.612	8.001
MG/CA		0.129	0.132	0.052	0.052	0.052	0.052	0.052	0.052
NA/CA		1.727	1.795	1.644	1.748	1.644	1.748	1.644	1.748
CL/(HCO3+C03)		211.178	66.851	227.005	21.252	227.005	21.252	227.005	21.252
CL/F		-	-	-	-	-	-	-	-
L (MG/KG) (CL+S04+HCO3+C03)									
CL		90.624	88.825	90.924	86.641	90.924	86.641	90.924	86.641
S04		8.947	9.846	8.676	9.283	8.676	9.283	8.676	9.283
(HCO3+C03)*100/(CL+S04+HCO3+C03)		0.429	1.329	0.401	4.077	0.401	4.077	0.401	4.077
L (MG/KG) (NA+K+CA+MG)									
CA*100/(NA+K+CA+MG)		60.761	61.661	61.269	59.788	61.269	59.788	61.269	59.788
MG*100/(NA+K+CA+MG)		34.789	33.874	36.850	33.451	36.850	33.451	36.850	33.451
CA*100/(NA+K+CA+MG)		4.470	4.465	1.900	6.761	1.900	6.761	1.900	6.761
L (MG/KG) (CL+S04+HCO3+C03)									
(CL+S04)*100/(CL+S04+HCO3+C03)		99.571	98.671	99.599	95.923	99.599	95.923	99.599	95.923
(HCO3+C03)*100/(CL+S04+HCO3+C03)		0.429	1.329	0.401	4.077	0.401	4.077	0.401	4.077
L (MG/KG) (NA+K+CA+MG)									
(NA+K)*100/(NA+K+CA+MG)		60.761	61.661	61.269	59.788	61.269	59.788	61.269	59.788
(CA+MG)*100/(NA+K+CA+MG)		39.239	38.339	38.731	40.212	38.731	40.212	38.731	40.212

第39-2表 温海地域水質一覽表 (つづき)

	ATC 13	ATC 14	ATC 15	ATC 16
NU	57.7	60.3	62.5	60.8
TEMP	3018.000	5998.000	6125.000	6072.000
TSM	7.40	8.20	8.50	8.50
PH(FD)	7.30	7.40	8.30	8.30
PH(LB)				
H (MG/KG) (NVAL/KG)				
K	15.250	51.670	28.940	30.890
NA	699.200	1383.000	1426.000	1414.000
NH4		0.415	0.160	0.740
CA	572.000	0.258	0.014	62.031
MG	15.840	18.563	0.309	0.013
FE	0.050	4.140	809.500	4.0394
MN		8.608	5.929	0.488
ZN		0.002	0.001	0.001
CU			0.032	0.032
PB				
AL	1.508	2.138	2.664	2.519
CL	1629.000	0.164	0.238	0.296
HR	4.603	45.954	3372.000	95.124
I	0.529	9.534	11.810	0.148
F		2.116	1.988	0.016
OH	0.005	0.000	0.054	0.003
S04	207.400	4.318	390.200	8.124
S203				0.054
HC03	38.720	17.760	14.820	14.820
C03	0.054	0.002	0.270	0.009
S102 (MG/KG) (MMOL/KG)	29.999	35.009	47.008	0.783
HR02	4.251	7.087	7.087	0.162
H3P04				0.162
HAS02				
C02	3.723	0.268	0.114	0.003
H2S				0.003
KN (#E-10 CUR/E/L)				
NA/K	71.969	74.261	83.793	77.843
CA/(HC03+CU3)	29.167	155.293	160.356	158.080
MG/CA	0.070	0.017	0.012	0.002
NA/CA	1.639	1.499	1.536	1.545
CL/(HC03+CU3)	12.207	316.914	377.628	373.485
CL/F				
CL*100/(CL+S04+HC03+CU3)	90.268	92.095	91.907	92.087
S04*100/(CL+S04+HC03+CU3)	6.462	7.615	7.849	7.667
(HC03+CU3)*100/(CL+S04+HC03+CU3)	1.250	0.291	0.243	0.247
(NA+K)*100/(NA+K+CA+MG)	60.794	59.891	60.559	60.958
CA*100/(NA+K+CA+MG)	36.634	39.429	38.970	38.963
MG*100/(NA+K+CA+MG)	2.572	0.680	0.471	0.078
(CL+S04)*100/(CL+S04+HC03+CU3)	98.750	99.709	99.757	99.753
(HC03+CU3)*100/(CL+S04+HC03+CU3)	1.250	0.291	0.243	0.247
(NA+K)*100/(NA+K+CA+MG)	60.794	59.891	60.559	60.958
(CA+MG)*100/(NA+K+CA+MG)	39.206	40.109	39.441	39.042

第39-2表 温海地域水質一覽表 (つづき)

NO	ATC 17		ATC 18		ATC 19		ATC 20	
	45.2	42.8	53.8	29.8	5817.000	268.500	7.50	7.50
TSM	577.500	158.500	8.00	8.00	8.00	8.00	8.20	8.20
PH(FD)	7.80	7.40	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG)(MVAL/KG)								
K	3.676	0.094	1.642	0.042	27.370	0.700	1.486	0.038
NA	178.300	7.756	31.970	1.391	1370.000	59.895	47.560	2.069
NH4	-	-	-	-	0.238	0.013	-	-
CA	22.480	1.122	19.830	0.990	744.000	37.128	31.730	1.583
MG	0.345	0.028	0.345	0.028	9.720	0.800	2.673	0.220
FE	0.050	0.002	0.110	0.004	0.102	0.004	0.376	0.013
MN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.727	0.081	0.457	0.051	2.194	0.244	0.888	0.099
BR	234.700	6.621	34.040	0.960	3199.000	90.244	90.780	2.561
CL	0.356	0.004	-	-	11.680	0.146	0.112	0.001
J	0.169	0.001	-	-	1.819	0.014	0.028	0.000
F	-	-	-	-	-	-	-	-
DH	0.054	0.003	0.017	0.001	0.017	0.001	0.005	0.000
S04	83.500	1.738	30.200	0.629	382.000	7.953	26.500	0.548
S2O3	-	-	-	-	-	-	-	-
HC03	53.350	0.874	58.710	0.962	17.610	0.289	60.550	0.992
CO3	0.984	0.033	0.342	0.011	0.108	0.004	0.114	0.004
S102 (MG/KG)(MMOL/KG)	20.504	0.341	7.003	0.117	45.002	0.749	14.499	0.241
H802	1.415	0.032	0.711	0.016	4.252	0.097	0.710	0.016
H3PO4	-	-	-	-	-	-	-	-
HA5O2	-	-	-	-	-	-	-	-
CO2	0.409	0.009	1.413	0.032	0.422	0.010	4.656	0.106
H2S	-	-	-	-	-	-	-	-
RN (WE-10 CUR(E/L))								
NA/K	82.483	33.110	85.121	54.427	-	-	-	-
CA/(HC03+CO3)	1.236	1.016	127.043	1.589	-	-	-	-
MG/CA	0.025	0.029	0.029	0.139	-	-	-	-
NA/CA	6.914	1.405	1.405	1.405	-	-	-	-
CL/(HC03+CO3)	7.898	0.986	308.813	2.571	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	71.449	37.471	91.628	62.390	-	-	-	-
S04*100/(CL+S04+HC03+CO3)	18.761	24.535	8.075	13.340	-	-	-	-
(HC03+CO3)*100/(CL+S04+HC03+CO3)	9.790	37.994	0.297	24.270	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	87.221	58.463	61.387	53.882	-	-	-	-
CA*100/(NA+K+CA+MG)	12.464	40.379	37.798	40.493	-	-	-	-
MG*100/(NA+K+CA+MG)	0.315	1.158	0.814	5.625	-	-	-	-
(CL+S04)*100/(CL+S04+HC03+CO3)	90.210	62.006	99.703	75.730	-	-	-	-
(HC03+CO3)*100/(CL+S04+HC03+CO3)	9.790	37.994	0.297	24.270	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	87.221	58.463	61.387	53.882	-	-	-	-
(CA+MG)*100/(NA+K+CA+MG)	12.779	41.537	38.613	46.118	-	-	-	-

第 39-2 表 温海地域水質一覽表 (つづき)

	ATC 21	ATC 22	ATC 23	ATC 24
NO	11.0	26.3	20.6	17.0
TEMP	1335.000	1208.000	7755.000	275.000
ISM	2.70	9.30	7.70	8.90
PH(FD)	2.70	9.30	7.30	8.50
PH(LB)				
H (MG/KG)(MVAL/KG)	2.016	2.000	7.976	0.587
K	4.825	0.123	0.704	0.018
NA	10.650	0.462	220.800	9.605
NA4			2010.000	87.435
CA	75.760	3.780	140.400	7.006
MG	33.430	2.751	64.880	5.339
FE	110.250	3.948	0.096	0.003
MN	5.300	0.193	0.140	0.005
ZN				
TR				
CU				
PB				
AL	52.520	5.640	0.257	0.029
CL	35.460	1.000	118.000	3.329
BR			0.264	0.003
F			11.080	0.139
OH			0.009	0.001
S04	944.967	19.674	991.800	20.649
S203			376.200	6.166
HC03	0.0	19.160	0.314	0.019
CO3	0.0	22.620	0.754	4.212
S102 (MG/KG)(MMUL/KG)	47.004	0.783	25.005	0.416
H802			2.760	0.063
H3P04	7.740	0.079	0.254	0.003
MAS02			36.190	0.822
CO2			2.267	0.067
H2S				0.145
RN (RE-10 CUR(E/L))				1.157
NA/K	3.746	533.353	428.548	220.405
CA/(HC03+CO3)	0.0	6.560	6.135	0.554
MG/CA	0.728	0.011	0.141	0.160
NA/CA	0.122	1.371	2.304	6.626
CL/(HC03+CO3)	0.0	3.117	16.853	1.708
CL/F				
CL*100/(CL+S04+HC03+CO3)	4.858	20.275	79.527	38.744
S04*100/(CL+S04+HC03+CO3)	95.162	73.220	15.754	38.571
(HC03+CO3)*100/(CL+S04+HC03+CO3)	0.0	6.505	4.719	22.685
(NA+K)*100/(NA+K+CA+MG)	8.231	57.592	66.940	85.157
CA*100/(NA+K+CA+MG)	53.117	41.930	28.982	12.795
MG*100/(NA+K+CA+MG)	38.652	0.479	4.078	2.049
(CL+S04)*100/(CL+S04+HC03+CO3)	100.000	93.495	95.281	77.315
(HC03+CO3)*100/(CL+S04+HC03+CO3)	0.0	-6.505	4.719	22.685
(NA+K)*100/(NA+K+CA+MG)	8.231	57.592	66.940	85.157
(CA+MG)*100/(NA+K+CA+MG)	91.769	42.409	33.060	14.843

第39-2表 温海地域水質一覽表 (つづき)

NO	ATC 25		ATC 26		ATC 27		ATC 28	
	TEMP	18.5	13.7	19.0	44.4	1229.000	44.4	1229.000
TSM	1487.000	713.000	1135.000	6.30	6.30	6.30	6.30	6.30
PM(FD)	8.30	6.70	6.30	6.30	6.30	6.30	6.30	6.30
PH(LB)	7.80	6.80	6.80	6.30	6.30	6.30	6.30	6.30
H (MG/KG) (MVAL/KG)								
K	1.955	6.845	6.845	0.175	27.350	0.700	4.066	0.104
NA	331.700	113.600	113.600	4.982	177.100	7.704	227.700	9.905
NH4	0.061	1.400	1.400	0.078	0.400	0.022	0.022	0.022
CA	186.800	62.460	62.460	3.117	169.700	7.470	142.500	7.111
Mg	10.690	12.640	12.640	1.080	1.701	0.150	2.430	0.200
FE	0.165	0.006	0.006	0.008	0.307	0.011	0.466	0.017
MN	-	0.425	0.425	0.015	0.125	0.005	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.184	0.020	0.094	0.010	0.116	0.013	0.188	0.021
CL	710.300	20.048	56.270	1.587	39.720	1.121	56.740	1.601
BR	1.590	0.020	-	-	-	-	-	-
I	0.201	0.002	-	-	-	-	-	-
F	0.044	0.002	-	-	-	-	-	-
S04	190.400	3.964	310.300	6.460	0.001	0.000	0.068	0.004
S203	0.626	0.008	0.230	0.004	714.400	14.874	730.000	15.199
HCO3	41.510	0.680	100.700	1.650	16.060	0.263	32.500	0.533
CO3	0.492	0.016	0.030	0.001	-	-	0.765	0.025
SI02 (MG/KG) (MMOL/KG)	14.004	0.233	59.004	0.982	13.007	0.217	35.005	0.583
H802	-	-	-	-	-	-	2.266	0.052
H3PO4	-	-	1.029	0.011	0.186	0.002	-	-
HAS02	0.497	0.011	48.400	1.100	19.250	0.437	0.194	0.004
CO2	1.565	0.046	4.846	0.142	-	-	-	-
H2S	-	-	-	-	-	-	-	-
RN (#E-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	288.528	28.222	28.222	11.012	11.012	11.012	95.232	12.739
CA/(HCO3+CO3)	13.364	1.887	1.887	0.019	28.379	0.019	0.028	0.028
Mg/CA	0.094	0.334	0.334	0.019	1.031	0.019	1.393	1.393
NA/CA	1.550	1.585	1.585	0.961	4.257	0.961	2.868	2.868
CL/(HCO3+CO3)	28.739	0.961	0.961	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	81.129	16.366	16.366	6.892	6.892	6.892	9.222	9.222
S04*100/(CL+S04+HCO3+CO3)	16.050	66.607	66.607	91.489	91.489	91.489	87.563	87.563
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	2.821	17.027	17.027	1.619	1.619	1.619	3.216	3.216
(NA+K)*100/(NA+K+CA+MG)	58.691	55.175	55.175	52.477	52.477	52.477	57.790	57.790
CA*100/(NA+K+CA+MG)	37.764	33.609	33.609	46.668	46.668	46.668	41.056	41.056
Mg*100/(NA+K+CA+MG)	3.566	11.216	11.216	0.874	0.874	0.874	1.155	1.155
(CL+S04)*100/(CL+S04+HCO3+CO3)	97.179	82.973	82.973	98.381	98.381	98.381	96.784	96.784
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	2.821	17.027	17.027	1.619	1.619	1.619	3.216	3.216
(NA+K)*100/(NA+K+CA+MG)	58.691	55.175	55.175	52.477	52.477	52.477	57.790	57.790
(CA+MG)*100/(NA+K+CA+MG)	41.309	44.825	44.825	47.523	47.523	47.523	42.210	42.210

第39-2表 温海地域水質一覽表 (つぎ)

NO	ATC 29		ATC 30		ATC 31		ATC 32	
	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)
	35.8	8.50	17.0	8.20	31.7	9.00	76.4	7.90
TSM	2183.000		134.800		2595.000		2751.000	
PH(ED)	8.60		8.20		8.70		7.40	
H (MG/KG)(HVAL/KG)								
K	3.988	0.102	0.626	0.900	2.815	0.072	54.740	1.400
NA	302.200	13.146	20.700	0.900	598.000	26.013	713.900	31.055
NH4					0.300	0.017	0.300	0.017
CA	356.500	17.789	15.620	0.779	244.000	12.176	212.200	10.589
Mg	2.430	0.200	1.094	0.090	0.122	0.010	2.430	0.200
FE	0.450	0.016	0.080	0.003	0.146	0.005	0.130	0.005
MN							TR.	
ZN								
CU								
PB							0.022	0.001
AL	0.182	0.020	TR.		0.324	0.036	0.386	0.043
CL	49.640	1.400	24.820	0.700	248.200	7.002	1138.000	52.103
BR					0.243	0.007	3.181	0.040
I					0.195	0.002	1.206	0.010
P								
OK	0.068	0.804	0.027	0.002	0.085	0.005	0.005	0.000
S04	1416.000	29.481	15.460	0.322	1468.000	30.564	480.200	9.998
S203							1.140	0.020
PC05	26.590	0.436	63.930	1.048	48.840	0.800	86.100	1.411
C05	0.630	0.821	0.600	0.020	1.440	0.048	0.120	0.004
S102 (MG/KG)(MMDL/KG)	25.006	0.416	11.630	0.194	19.998	0.333	66.014	1.099
H202	1.986	0.045			1.753	0.040	5.671	0.129
H3P04					0.068	0.001	0.030	0.000
H3S02								
H2S	0.158	0.004	0.968	0.022	0.233	0.005	8.272	0.188
			1.462	0.043			3.401	0.100
RN (RE-10 CURIE/L)								
NA/K	128.863		56.232		361.253		22.178	
CA/(HCO3+CO3)	58.993		0.730		14.350		7.482	
Mg/CA	0.811		0.116		0.001		0.019	
NA/CA	0.739		1.155		2.136		2.933	
CL/(HCO3+CO3)	3.065		0.656		8.252		22.685	
CL/F								
CL*100/(CL+S04+HCO3+CO3)	4.468		33.503		18.227		73.773	
S04*100/(CL+S04+HCO3+CO3)	94.074		15.402		79.564		22.975	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	1.458		51.095		2.209		3.252	
(NA*K)*100/(NA+K+CA+MG)	42.410		51.316		68.159		75.051	
CA*100/(NA+K+CA+MG)	56.950		43.643		31.814		24.486	
Mg*100/(NA+K+CA+MG)	0.640		5.041		0.026		0.462	
(CL+S04)*100/(CL+S04+HCO3+CO3)	98.542		48.905		97.701		96.748	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	1.458		51.095		2.209		3.252	
(NA*K)*100/(NA+K+CA+MG)	42.410		51.316		68.159		75.051	
(CA+MG)*100/(NA+K+CA+MG)	57.590		48.684		31.841		24.949	

第 39-2 表 温海地域水質一覽表 (つづき)

NO	ATC 57
TEMP	14.3
TSM	410.800
PH(ED)	8.40
PH(LB)	8.50
H (MG/KG) (MVAL/KG)	-
K	1.760
NA	123.500
NH4	0.160
CA	9.762
MG	2.576
FE	0.188
MN	-
ZN	-
CU	-
PB	-
AL	0.244
CL	56.740
BR	1.601
I	-
F	-
DM	0.043
S04	56.380
S203	1.682
HC03	190.400
C03	2.808
S102 (MG/KG) (MMDL/KG)	14.774
H302	-
H3P04	-
HAS02	1.830
C02	5.104
H2S	0.042
RN (#E-10 CURIE/L)	0.150
NA/K	119.328
CA/(HC03+C03)	0.132
MG/CA	0.355
NA/CA	11.029
CL/(HC03+C03)	0.498
CL/F	-
CL*100/(CL+S04+HC03+C03)	26.728
S04*100/(CL+S04+HC03+C03)	19.601
(HC03+C03)*100/(CL+S04+HC03+C03)	53.672
(NA+K)*100/(NA+K+CA+MG)	88.570
CA*100/(NA+K+CA+MG)	7.964
MG*100/(NA+K+CA+MG)	3.466
(CL+S04)*100/(CL+S04+HC03+C03)	46.328
(HC03+C03)*100/(CL+S04+HC03+C03)	53.672
(NA+K)*100/(NA+K+CA+MG)	88.570
(CA+MG)*100/(NA+K+CA+MG)	11.430

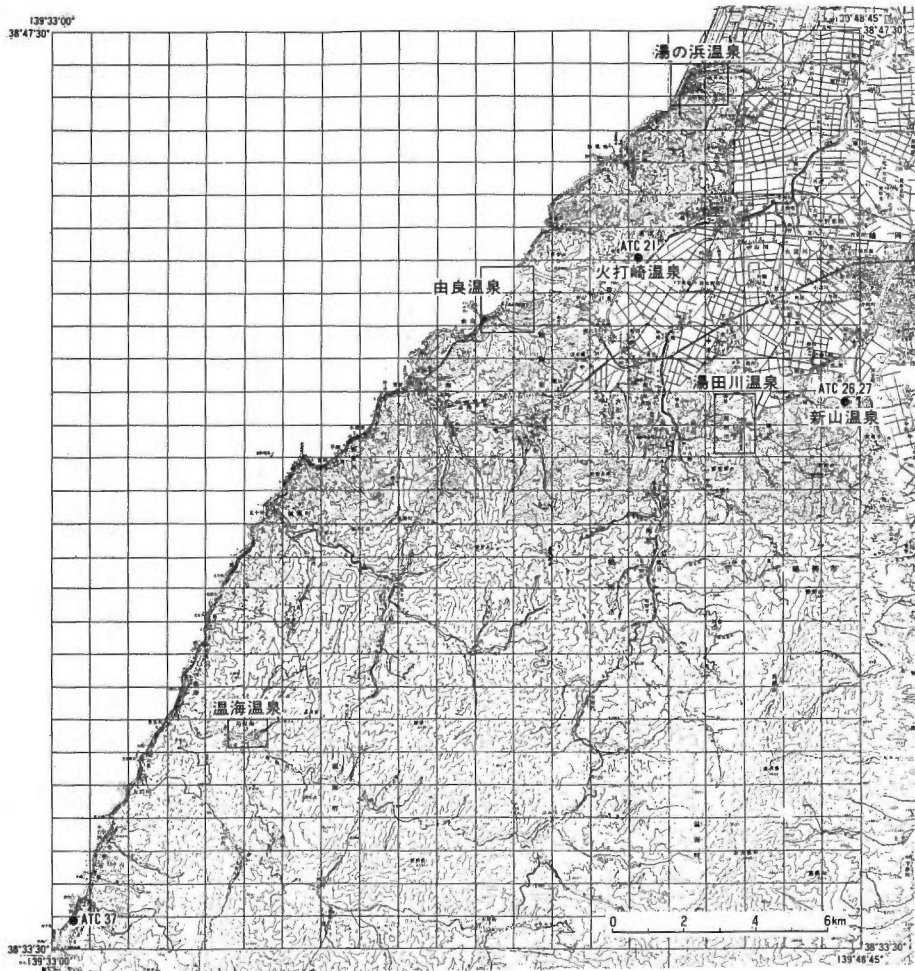
第 39-3 表 温海地域特定成分含量の頻度分布表

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

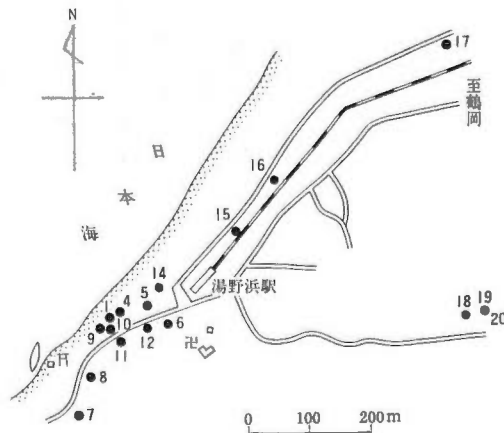
ZN		CU		PB		AS		H2S	
	N	F(%)	ND	N	F(%)	N	F(%)	N	F(%)
ND	37	100.0	ND	34	91.9				
<0.500	0	0.0	<0.300	3	8.1				
<5.000	0	0.0	<3.000	0	0.0				
>5.000	0	0.0	>3.000	0	0.0				
TOTAL	37	100.0	TOTAL	37	100.0				
PB		AS		H2S		TOTAL		TOTAL	
ND	37	100.0	ND	37	100.0				
<0.100	0	0.0	<0.050	0	0.0				
<1.000	0	0.0	<0.500	0	0.0				
>1.000	0	0.0	<5.000	0	0.0				
TOTAL	37	100.0	>5.000	0	0.0				
H2S		TOTAL		TOTAL		TOTAL		TOTAL	
ND	27	73.0		37	100.0				
<1.000	0	0.0							
<10.000	10	27.0							
<100.000	0	0.0							
>100.000	0	0.0							
TOTAL	37	100.0							

第39-1 図 温海地域の温泉分布及び試料採取地

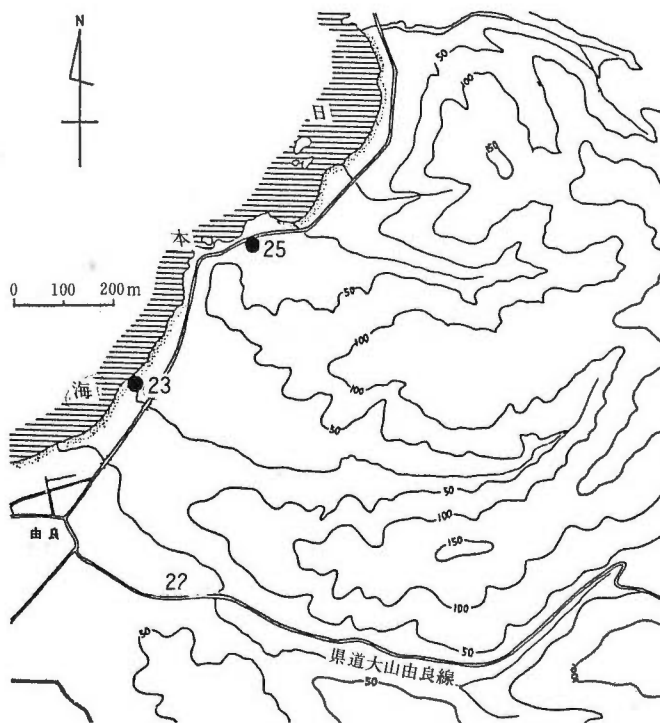
(この地図は、国土地理院発行の5万分の1地形図「三瀬」、「鶴岡」、「温海」及び「湯殿山」を使用したものである。)



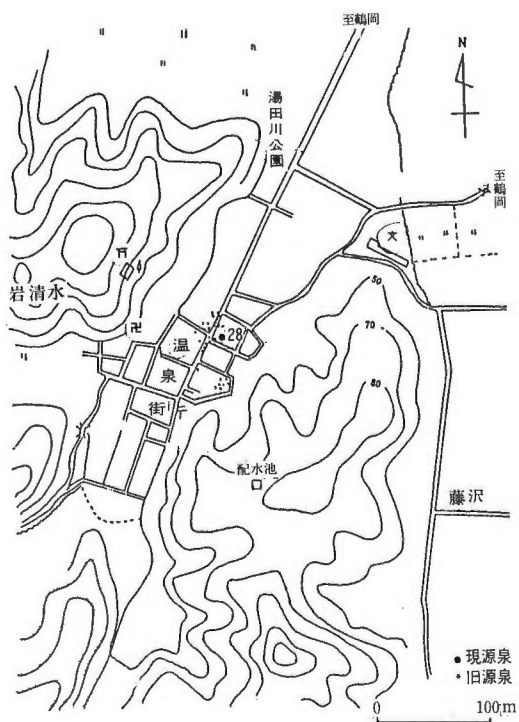
第39-2 図 試料採取地 (湯の浜温泉)



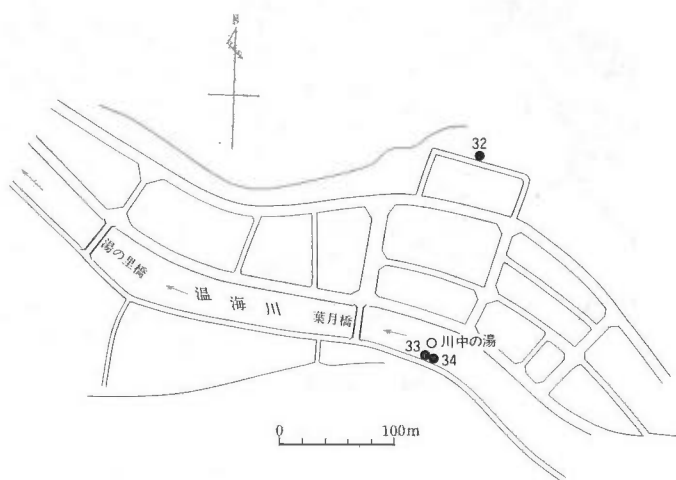
第39-3図 試料採取地(由良温泉)



第39-4図 試料採取地(湯田川温泉)



第 39-5 図 試料採取地（温海温泉）

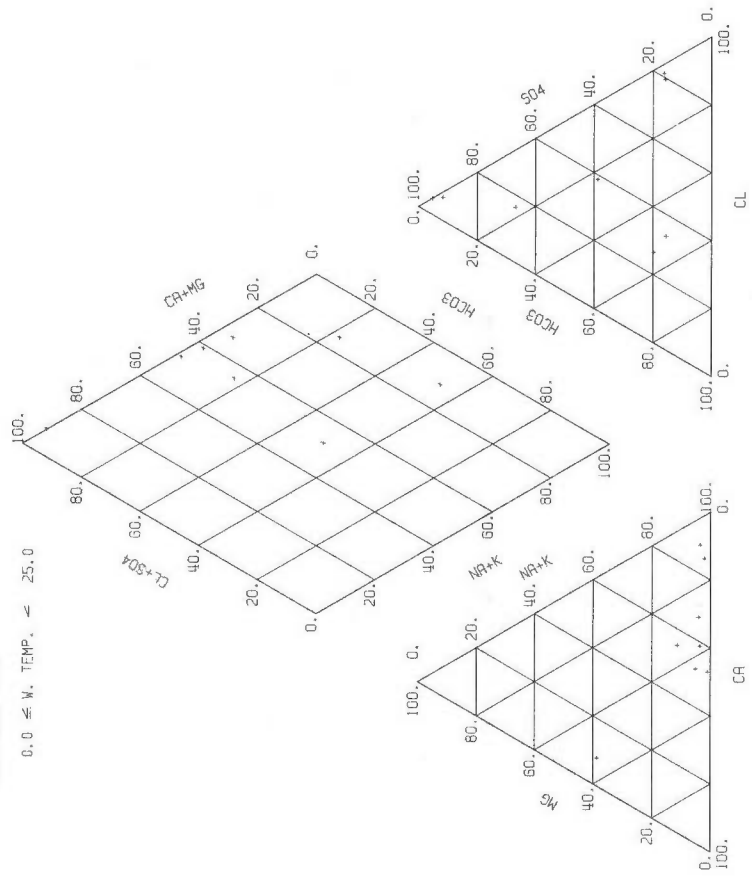


第 39-6 図 温海地域水質組成図 (その 1) (水温25°C未満)

ATSUMI

AREA CODE ATC

0.0 ≦ W. TEMP. < 25.0

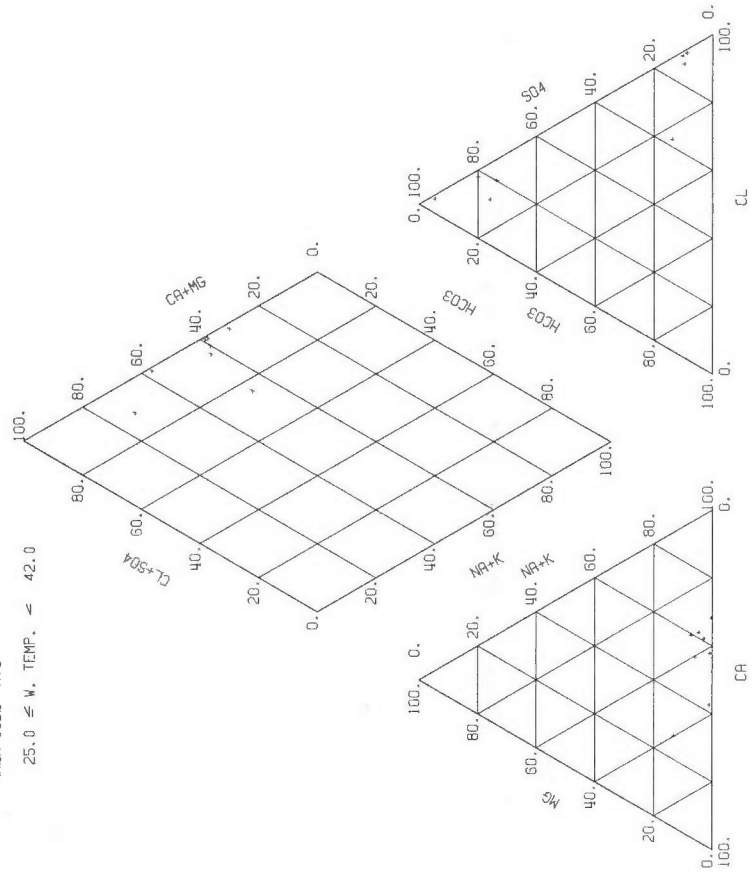


第 39-6 図 温海地域水質組成図 (その 2) (水温25°C以上42°C未満)

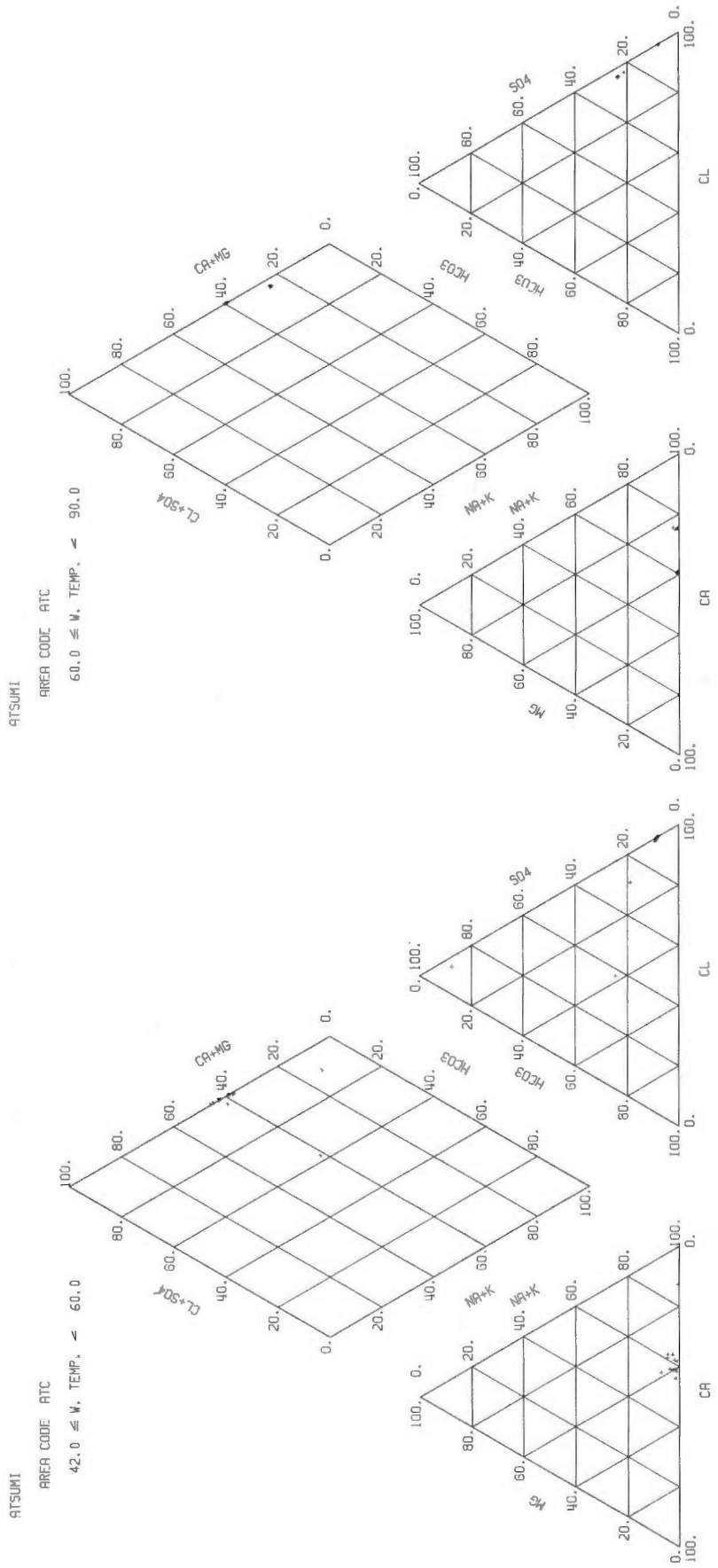
ATSUMI

AREA CODE ATC

25.0 ≦ W. TEMP. < 42.0

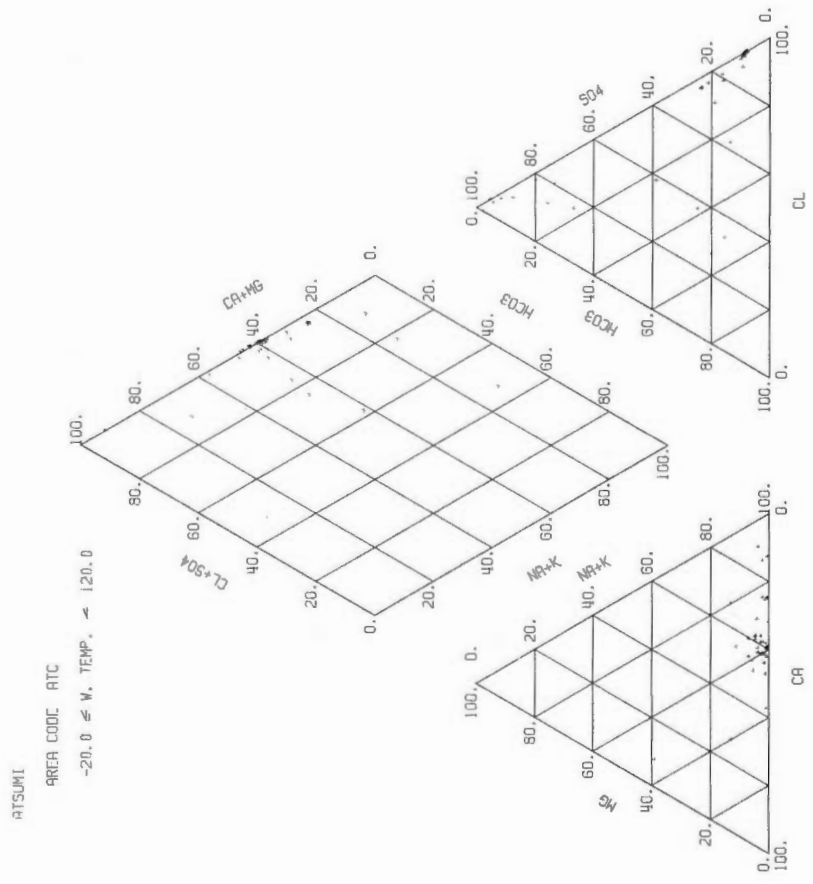


第 39-6 図 温海地域水質組成図 (その 3) (水温42℃以上60℃未満)



第 39-6 図 温海地域水質組成図 (その 4) (水温60℃以上90℃未満)

第39-6図 温海地域水質組成図 (その5) (全試料)



第 39-7 図 温海地域特定成分含量の頻度分布表

FREQUENCY DIAGRAM

100

50



ND <0.500 *
 * <5.000 *
 * >5.000 *

ND <0.300 *
 * <3.000 *
 * >3.000 *

ND <0.100 *
 * <1.000 *
 * >1.000 *

ND <0.050 *
 * <0.500 *
 * <5.000 *
 * >5.000 *

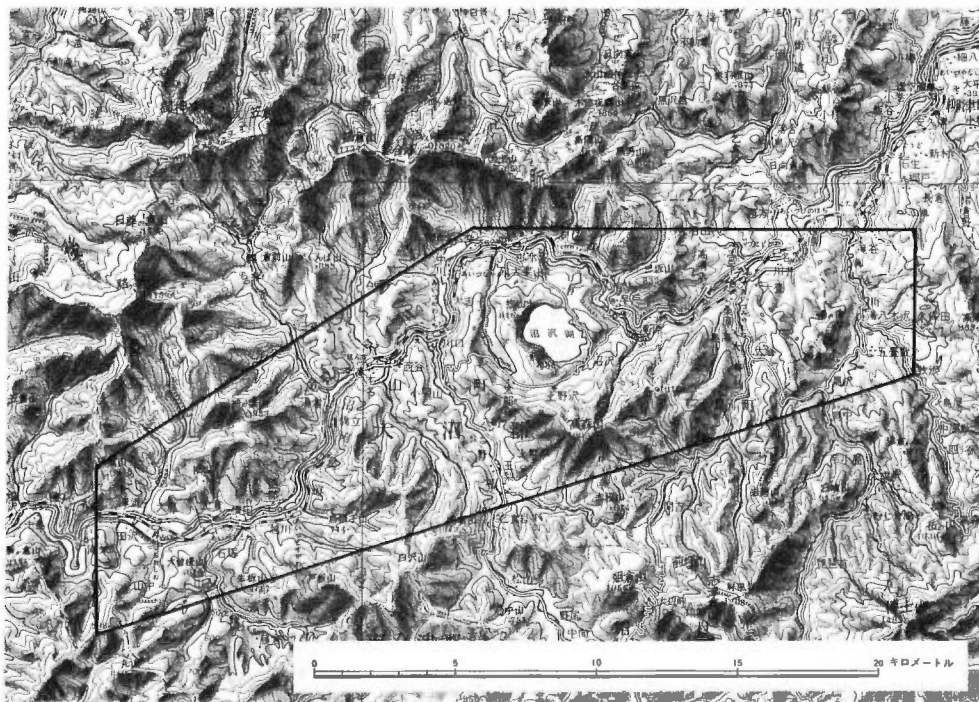
ND < 1.000 *
 * < 10.000 *
 * <100.000 *
 * >100.000 *

40. 西 山

Nishiyama

位 置	福島県大沼郡金山町，同郡三島町，河沼郡柳津町
データ数	24
収集・整理	阿部智彦・比留川 貴・三井金属エンジニアリング(株)
協 力	福島県衛生研究所

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「新潟」を使用したものである）



第 40-1 表 西山地域試料一覧表

No.	産地	温泉名	源泉名	源泉名	分析年月日	文献 No.	文献中の試料 No.	備考
NYC-1	福島県大沼郡三島町大字宮下字中乙田990	宮	下	町営泉	1968. 5. 27	6		D=252m, Q=120l/m, P
-2	" " " " " " " " " " " "	"	"	(渡辺ハル)	1956. 11. 15	"		D=60m, Q=72l/m, P
-3	" " " " " " " " " " " "	早	戸	つるの湯A	1959. 11. 30	"		D=50m, Q=50l/m, P
-4	" " " " " " " " " " " "	"	"	第2源泉	1956. 11. 15	"		D=25m, Q=40l/m, P
-5	" " " " " " " " " " " "	"	"	第1源泉	1951. 1. 12	"		D=25m, Q=10l/m, P
-6	" " " " " " " " " " " "	西	山	荒の湯	1955. 1. 20	"		D=3m, Q=150l/m, P
-7	" " " " " " " " " " " "	"	"	下の湯	1951. 1. 16	"		D=3m, Q=5. 4l/m, F
-8	" " " " " " " " " " " "	"	"	下の湯	1961. 11. 22	"		D=1. 3m, Q=9l/m, F
-9	" " " " " " " " " " " "	"	"	滝の湯	1951. 1. 12	"		D=2. 0m, Q=12. 2l/m, F
-10	" " " " " " " " " " " "	"	"	中の湯	" 1. 16	"		D=3. 0m, Q=6. 3l/m, F
-11	" " " " " " " " " " " "	"	"	老沢の湯	" 1. 20	"		D=1. 0m, Q=4. 0l/m, F
-12	" " " " " " " " " " " "	"	"	新湯	" 1. 12	"		D=1. 65m, Q=4l/m, F
-13	" " " " " " " " " " " "	"	"	砂子原共有	1956. 11. 15	"		D=1. 3m, Q=18l/m, F
-14	" " " " " " " " " " " "	湯	倉	本名共有	1955. 3. 28	"		D=60m, Q=72l/m, P
-15	" " " " " " " " " " " "	橋	立	第2源泉	1963. 5. 28	"		D=200m, Q=180l/m, P
-16	" " " " " " " " " " " "	"	"	第1源泉	1955. 3. 28	"		D=60m, Q=63l/m, P
-17	" " " " " " " " " " " "	八	町	亀の湯	1951. 1. 15	"		D=2. 7m, Q=14l/m, F
-18	" " " " " " " " " " " "	王	梨	箱湯	" 1. 15	"		D=2. 7m, Q=30l/m, F
-19	" " " " " " " " " " " "	"	"	中井湯	" 1. 15	"		D=2. 7m, Q=19l/m, P
-20	" " " " " " " " " " " "	"	"	大黃湯	1956. 11. 15	"		D=3m, Q=19l/m, F
-21	" " " " " " " " " " " "	滝	沢	亀の湯	" 3. 20	"		D=120m, Q=100l/m, F
-22	" " " " " " " " " " " "	大	塩	第3源泉	1965. 9. 27	"		D=49m, Q=150l/m, F
-23	" " " " " " " " " " " "	"	"	第2源泉	" 9. 27	"		D=40m, Q=360l/m, F
-24	" " " " " " " " " " " "	"	"	第1源泉	1955. 3. 28	"		D=50m, Q=54l/m, P

源泉名の () は所有者名, 備考欄の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 40-2 表 西山地域水質一覽表

	NYC 1	NYC 2	NYC 3	NYC 4
NO	52.0	37.0	58.0	40.0
TEMP	2876.000	2655.200	5638.000	5427.300
TSM	7.80	6.80	6.50	6.60
PH(FD)				
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	32.230	114.500	TR.	123.200
NA	1027.000	753.300	104.200	1616.700
NH4	0.206		1543.000	
CA	76.110	51.740	0.645	
MG	15.620	7.451	315.400	226.500
FE	0.018	0.249	0.613	65.630
MN	0.060	0.439	5.469	7.547
ZN			0.016	
CU	0.001		0.082	
PB			0.003	
AL	2.320	0.604	3.061	2.190
CL	464.100	423.100	2255.000	2411.300
BR	0.232		2.012	
I			0.229	
F	1.500		0.339	
OH	0.005			
S04	570.300	430.200	990.800	580.500
S203				
HC03	1572.000	1103.000	525.500	644.800
C03	2.046		0.045	
SI02 (MG/KG) (MMOL/KG)	40.708	79.469	332.843	352.647
H202	28.351	6.789	0.155	22.570
H3P04	0.108	0.142	0.737	0.314
HAS02	0.076		0.141	
C02	16.840	10.300	389.800	211.400
H2S				
RN (*E-10 CURIE/L)			3.340	
NA/K	54.187	11.188	25.182	22.316
CA/(HC03+C03)	0.147	0.143	1.827	1.069
MG/CA	0.338	0.237	0.349	0.478
NA/CA	11.763	12.692	4.265	6.222
CL/(HC03+C03)	0.507	0.660	7.385	6.437
CL/F	165.809		3564.791	
CL*100/(CL+S04+HC03+C03)	25.773	30.627	68.507	75.017
S04*100/(CL+S04+HC03+C03)	23.374	22.983	22.215	13.529
(HC03+C03)*100/(CL+S04+HC03+C03)	50.854	46.389	9.277	11.655
(NA+K)*100/(NA+K+CA+MG)	89.951	91.785	76.680	81.478
CA*100/(NA+K+CA+MG)	7.508	6.638	17.293	12.533
MG*100/(NA+K+CA+MG)	2.541	1.577	6.027	5.989
(CL+S04)*100/(CL+S04+HC03+C03)	49.146	53.611	90.723	88.345
(HC03+C03)*100/(CL+S04+HC03+C03)	50.854	46.389	9.277	11.655
(NA+K)*100/(NA+K+CA+MG)	89.951	91.785	76.680	81.478
(CA+MG)*100/(NA+K+CA+MG)	10.050	8.215	23.320	18.522

第40-2表 西山地域水質一覽表 (つづき)

NO	NYC 5	NYC 6	NYC 7	NYC 8	H (MG/KG)(MVAL/KG)
TEMP	46.0	93.0	68.0	79.0	
TSM	5337.500	3922.200	4516.300	4748.000	
PH(FD)	6.40	8.10	8.10	7.00	
PH(LB)	-	-	-	-	
H (MG/KG)(MVAL/KG)					
K	123.500	168.900	340.300	164.500	4.208
NA	1443.600	1291.500	1561.900	1640.000	71.340
NH4	0.400	0.022	0.200	0.513	0.028
CA	332.900	50.420	51.800	31.890	1.591
MG	63.300	2.264	30.700	4.788	0.394
FE	3.200	0.115	8.000	0.040	0.001
MN	-	-	-	0.389	0.014
ZN	-	-	-	-	-
CU	-	-	-	-	-
PB	-	-	-	-	-
AL	2.200	2.288	-	1.450	0.161
CL	2267.900	1629.700	2214.900	2438.000	68.776
BR	-	63.977	45.974	0.359	0.004
I	-	-	-	0.675	0.005
F	-	0.080	-	0.897	0.047
OH	-	-	-	-	-
SO4	1089.500	263.000	302.300	290.300	6.044
S2O3	-	22.683	5.476	-	-
HCO3	90.400	1.482	11.997	78.290	1.283
CO3	-	732.000	5.800	0.030	0.001
SI02 (MG/KG)(MMOL/KG)	187.555	130.166	148.706	134.103	2.233
HR02	-	8.489	0.194	56.503	1.289
H3PO4	-	-	-	0.127	0.001
HAS02	-	-	-	0.712	0.007
CO2	1.400	33.240	-	62.840	1.428
H2S	-	-	-	2.856	0.084
.RN (*E-10 CURIE/L)	-	-	-	-	-
NA/K	19.878	13.003	7.805	16.954	
CA/(HCO3+CO3)	11.212	0.210	0.195	1.239	
MG/CA	0.314	0.074	0.977	0.248	
NA/CA	3.780	22.330	26.285	44.831	
CL/(HCO3+CO3)	43.180	3.832	4.708	53.557	
CL/F	-	10917.040	-	1456.560	
CL*100/(CL+SO4+HCO3+CO3)	72.584	72.460	76.154	90.371	
SO4*100/(CL+SO4+HCO3+CO3)	25.735	8.630	7.671	7.942	
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	1.681	18.909	16.175	1.687	
(NA+K)*100/(NA+K+CA+MG)	75.141	95.724	93.749	97.439	
CA*100/(NA+K+CA+MG)	18.925	3.981	3.162	2.052	
MG*100/(NA+K+CA+MG)	5.934	0.295	3.090	0.508	
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	98.319	81.091	83.825	98.313	
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	1.681	18.909	16.175	1.687	
(NA+K)*100/(NA+K+CA+MG)	75.141	95.724	93.749	97.439	
(CA+MG)*100/(NA+K+CA+MG)	24.859	4.276	6.251	2.561	

第40-2表 西山地域水質一覽表 (つづき)

	NYC 9	NYC 10	NYC 11	NYC 12
NO	71.0	61.0	65.0	77.0
TEMP	5038.500	5814.200	4570.000	4813.700
TSM	8.00	7.80	8.20	8.30
PH(FD)	-	-	-	-
PH(CLB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	185.400	4.743	117.900	167.000
NA	1635.000	71.123	1449.400	1472.000
NH4	0.400	0.022	0.200	0.500
CA	42.800	2.136	57.500	64.900
MG	5.700	0.469	5.300	3.239
FE	-	-	1.400	10.200
MN	0.800	0.029	-	1.200
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.300	0.033	1.400	0.700
CL	2226.000	62.795	1885.700	2138.600
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	2.000	0.118	1.000	1.000
S04	313.700	6.531	276.100	313.200
S203	-	-	-	-
HCO3	416.800	6.831	577.700	301.800
CO3	68.200	2.273	42.700	20.000
SI02 (MG/KG)(MMOL/KG)	131.704	2.193	134.243	100.567
HE02	-	-	-	-
H3P04	-	-	-	-
HAS02	-	-	-	-
CO2	-	-	-	-
H2S	-	-	-	-
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	14.997	6.598	20.906	14.989
CA/(HCO3+CO3)	0.235	0.163	0.263	0.577
MG/CA	0.220	0.843	0.152	0.259
NA/CA	33.301	25.195	21.974	19.772
CL/(HCO3+CO3)	6.897	3.644	4.884	10.746
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	80.064	72.311	76.173	83.255
S04*100/(CL+S04+HCO3+CO3)	8.327	7.846	8.231	8.999
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.608	19.843	15.596	7.746
(NA+K)*100/(NA+K+CA+MG)	96.681	94.027	95.235	94.366
CA*100/(NA+K+CA+MG)	2.722	3.241	4.136	4.474
MG*100/(NA+K+CA+MG)	0.598	2.732	0.629	1.160
(CL+S04)*100/(CL+S04+HCO3+CO3)	88.392	80.157	84.404	92.254
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	11.608	19.843	15.596	7.746
(NA+K)*100/(NA+K+CA+MG)	96.681	94.027	95.235	94.366
(CA+MG)*100/(NA+K+CA+MG)	3.319	5.973	4.765	5.634

第40-2表 西山地域水質一覧表 (つづき)

	NYC 13		NYC 14		NYC 15		NYC 16	
NO	67.0	62.0	62.0	48.0	48.0	48.0	48.0	48.0
TEMP	2885.700	5196.500	5196.500	5999.600	5999.600	5999.600	5999.600	5999.600
TSM	6.60	8.00	8.00	7.40	7.40	7.40	7.40	7.40
PH(FD)								
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	117.000	2.993	77.970	1.994	26.050	0.666	150.900	3.860
NA	966.200	42.030	1330.910	57.895	117.900	5.129	1521.100	66.168
NH4			4.763	0.264				
CA	26.500	1.322	318.270	15.882	18.500	0.923	360.100	17.969
MG	1.219	0.100	72.430	5.960	4.979	0.410	85.850	7.065
FE	18.780	0.673	5.452	0.195	2.820	0.101	2.425	0.087
MN	0.558	0.020			0.250	0.009		
ZN								
CU								
PB								
AL	2.678	0.298			1.165	0.130	3.880	0.431
CL	1492.300	42.098	1402.170	39.555	79.740	2.249	1671.800	47.161
BR					0.123	0.002		
I					0.106	0.001		
F			1.396	0.073	1.800	0.095	1.794	0.094
OH					0.003	0.000		
SO4	187.400	3.902	500.940	10.430	83.260	1.733	414.400	8.628
S2O3								
HC03	80.060	1.312	1974.280	32.358	171.100	2.804	2499.700	40.970
C03					0.162	0.005		
SI02 (MG/KG)(MMOL/KG)	179.478	2.988	111.610	1.858	56.000	0.932	103.932	1.730
HB02	33.930	0.774	8.489	0.194			3.515	0.080
H3PO4	0.652	0.007	0.472	0.005	0.432	0.004	0.570	0.006
HAS02					0.011	0.000		
C02	384.000	8.724			25.910	0.589	35.430	0.805
H2S	5.053	0.148						
RN (*E-10 CURIE/L)								
NA/K	14.043	29.028	29.028	7.697	7.697	17.142	17.142	17.142
CA/(HC03+C03)	1.008	0.491	0.491	0.439	0.439	0.439	0.439	0.439
MG/CA	0.076	0.375	0.375	0.444	0.444	0.393	0.393	0.393
NA/CA	31.784	3.645	3.645	5.556	5.556	3.682	3.682	3.682
CL/(HC03+C03)	32.082	1.222	1.222	0.801	0.801	1.151	1.151	1.151
CL/F		538.273	538.273	23.741	23.741	499.401	499.401	499.401
CL*100/(CL+S04+HC03+C03)	88.980	48.037	48.037	33.116	33.116	48.741	48.741	48.741
S04*100/(CL+S04+HC03+C03)	8.247	12.666	12.666	25.520	25.520	8.917	8.917	8.917
(HC03+C03)*100/(CL+S04+HC03+C03)	2.773	39.297	39.297	41.364	41.364	42.342	42.342	42.342
(NA+K)*100/(NA+K+CA+MG)	96.937	73.276	73.276	81.301	81.301	73.666	73.666	73.666
CA*100/(NA+K+CA+MG)	2.847	19.432	19.432	12.951	12.951	18.902	18.902	18.902
MG*100/(NA+K+CA+MG)	0.216	7.293	7.293	5.748	5.748	7.432	7.432	7.432
(CL+S04)*100/(CL+S04+HC03+C03)	97.227	60.703	60.703	58.636	58.636	57.658	57.658	57.658
(HC03+C03)*100/(CL+S04+HC03+C03)	2.773	39.297	39.297	41.364	41.364	42.342	42.342	42.342
(NA+K)*100/(NA+K+CA+MG)	96.937	73.276	73.276	81.301	81.301	73.666	73.666	73.666
(CA+MG)*100/(NA+K+CA+MG)	3.063	26.724	26.724	18.699	18.699	26.334	26.334	26.334

第40-2表 西山地域水質一覽表 (つづき)

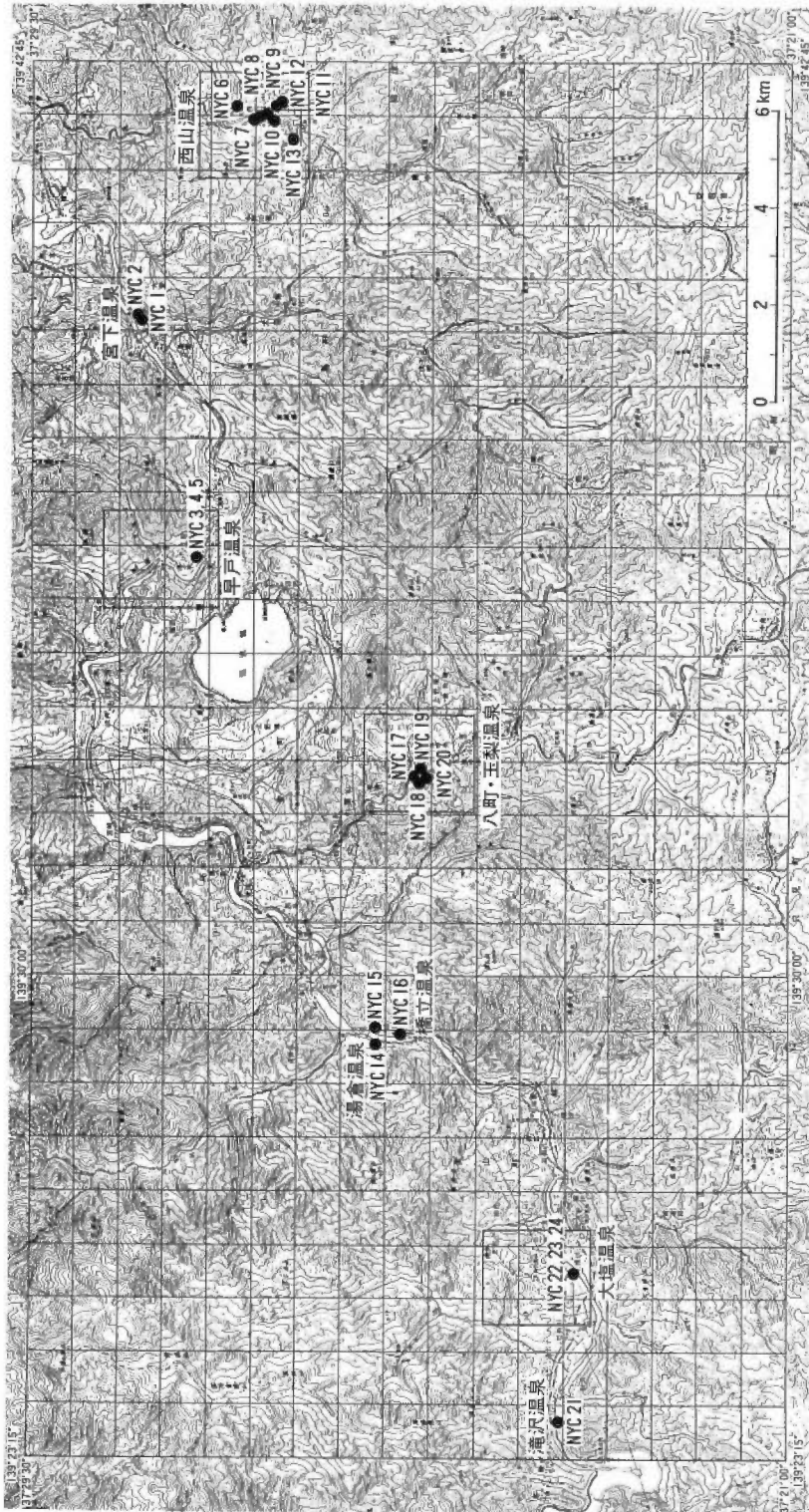
NO	NYC 21			NYC 22			NYC 23			NYC 24		
	TEMP	TSM	PH(FD)	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.
PH(LB)	7.00	23377.700	7.00	6.00	8832.000	6.00	6.40	7440.000	6.40	11268.700	7.30	7.30
H (MG/KG)(MVAL/KG)												
K	1363.900	34.889			467.400	11.956		515.700	13.192	300.500	7.687	7.687
NA	6904.200	300.333			2565.000	111.578		2029.000	88.262	3391.500	147.530	147.530
NH4	3.791	0.210			5.154	0.286		9.664	0.536			
CA	378.500	18.887			219.000	10.928		189.600	9.461	324.900	16.213	16.213
MG	231.800	19.075			116.900	9.620		93.170	7.667	162.900	13.405	13.405
FE	8.705	0.312			12.000	0.430		10.000	0.358	7.682	0.275	0.275
MN					0.400	0.015		0.450	0.016	0.039	0.001	0.001
ZN												
CU												
PB												
AL	14.730	1.638			2.991	0.333		4.826	0.537	19.350	2.152	2.152
CL	10921.300	308.090			3537.000	99.779		3026.000	85.363	4618.300	130.282	130.282
BR	1.607	0.020			1.304	0.016		0.053	0.000			
I	0.426	0.003			0.071	0.001		1.000	0.053			
F	1.567	0.082			1.000	0.053		1.000	0.053			
OH												
S04	981.200	20.429			1075.000	22.382		914.300	19.036	427.600	8.903	8.903
S203												
CO3	2836.400	46.489			1082.000	17.734		838.700	13.746	2929.900	48.021	48.021
HCO3					0.252	0.008		0.126	0.004			
SI02 (MG/KG)(MMOL/KG)												
H2O2	78.469	1.307			113.562	1.891		106.602	1.775	103.932	1.730	1.730
H3PO4	2.781	0.063			22.682	0.518		22.685	0.518	2.816	0.064	0.064
HA2O2	1.518	0.016			0.470	0.005		0.174	0.002	1.155	0.012	0.012
CO2					0.227	0.002		0.227	0.002			
H2S	381.200	8.661			650.300	14.775		806.600	18.526	74.990	1.704	1.704
RN (*E-10 CURIE/L)												
NA/K	8.608	9.332			9.332	6.691		6.691	19.193			
CA/(HCO3+CO3)	0.406	0.616			0.616	0.688		0.688	0.338			
MG/CA	1.010	0.880			0.880	0.810		0.810	0.827			
NA/CA	15.901	10.210			10.210	9.329		9.329	9.100			
CL/(HCO3+CO3)	6.627	5.624			5.624	6.208		6.208	2.713			
CL/F	3735.017	1895.493			1895.493	1621.646		1621.646				
CL*100/(CL+S04+HCO3+CO3)	82.156	71.320			71.320	72.250		72.250	69.593			
S04*100/(CL+S04+HCO3+CO3)	5.448	15.998			15.998	16.112		16.112	4.756			
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	12.397	12.682			12.682	11.638		11.638	25.651			
(NA+K)*100/(NA+K+CA+MG)	89.828	85.739			85.739	85.556		85.556	33.976			
CA*100/(NA+K+CA+MG)	5.061	7.585			7.585	7.979		7.979	8.771			
MG*100/(NA+K+CA+MG)	5.111	6.677			6.677	6.466		6.466	7.252			
(CL+S04)*100/(CL+S04+HCO3+CO3)	87.603	87.318			87.318	88.362		88.362	74.349			
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	12.397	12.682			12.682	11.638		11.638	25.651			
(NA+K)*100/(NA+K+CA+MG)	89.828	85.739			85.739	85.556		85.556	33.976			
(CA+MG)*100/(NA+K+CA+MG)	10.172	14.261			14.261	14.444		14.444	16.024			

第 40-3 表 西山地域特定成分含量の頻度分布表

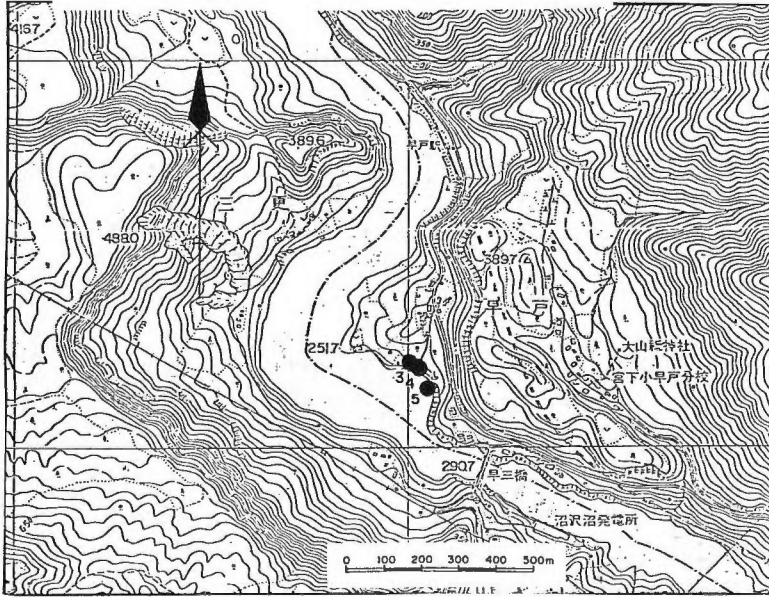
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

ZN				CU			
	N	F(%)		N	F(%)		
ND	24	100.0	ND	22	91.7		
<0.500	0	0.	<0.300	2	8.3		
<5.000	0	0.	<3.000	0	0.		
>5.000	0	0.	>3.000	0	0.		
TOTAL				TOTAL			
	24	100.0		24	100.0		
PB				AS			
	N	F(%)		N	F(%)		
ND	24	100.0	ND	18	75.0		
<0.100	0	0.	<0.050	1	4.2		
<1.000	0	0.	<0.500	5	20.8		
>1.000	0	0.	<5.000	0	0.		
			>5.000	0	0.		
TOTAL				TOTAL			
	24	100.0		24	100.0		
H2S				N= NUMBER OF SAMPLES F= FREQUENCY(%)			
	N	F(%)					
ND	22	91.7					
< 1.000	0	0.					
< 10.000	2	8.3					
<100.000	0	0.					
>100.000	0	0.					
TOTAL				TOTAL			
	24	100.0		24	100.0		

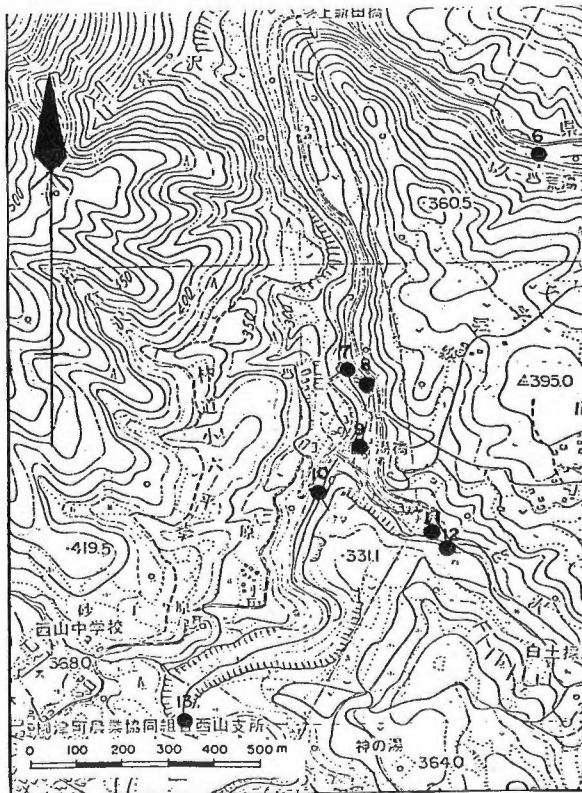
第 40-1 図 西山地域の温泉分布及び試料採取地（この地図は、国土地理院発行の5万分の1地形図「只見」及び「宮下」を使用したものである。）



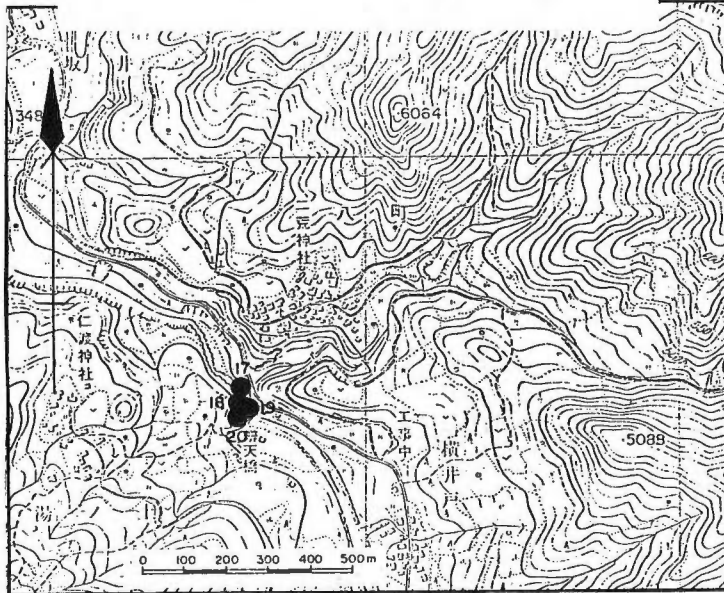
第40-2図 試料採取地（早戸温泉）



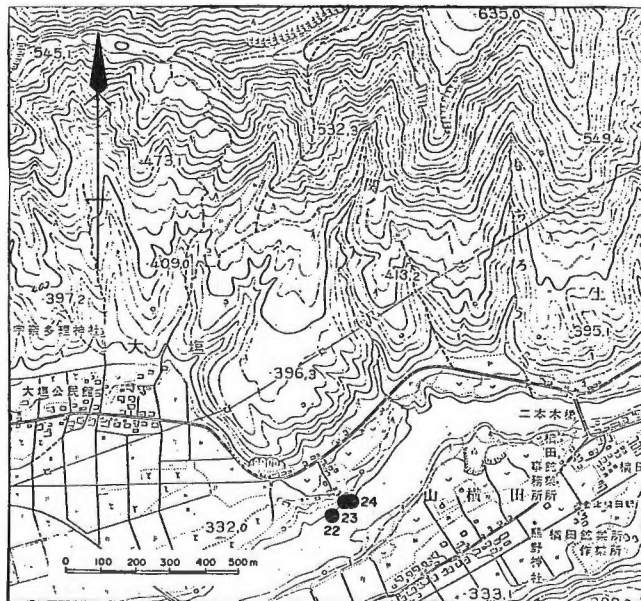
第40-3図 試料採取地（西山温泉）



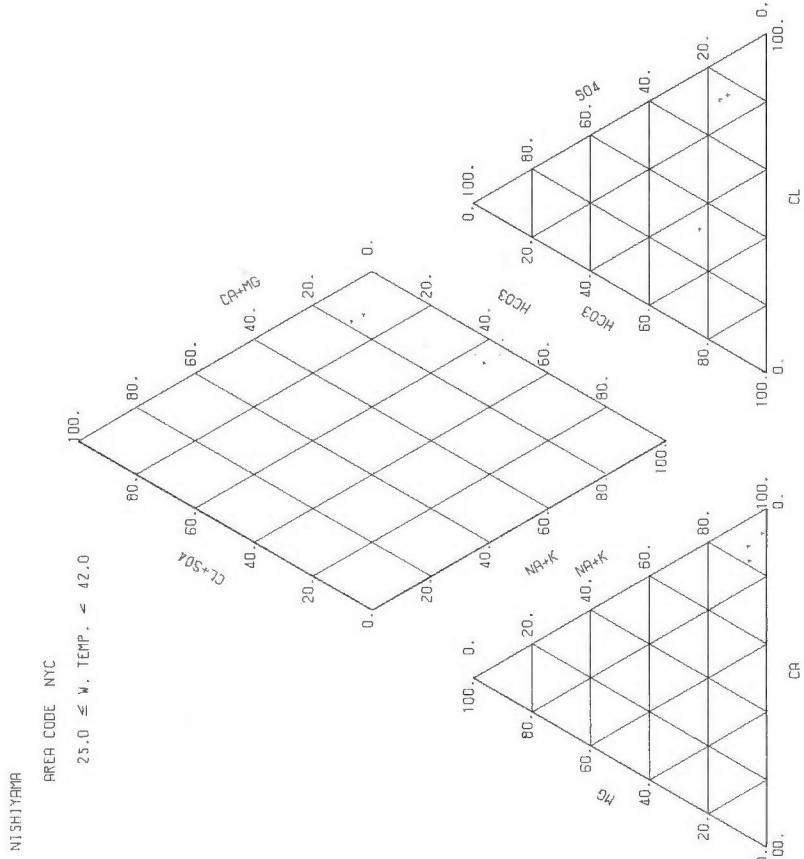
第40-4図 試料採取地（八町・玉梨温泉）



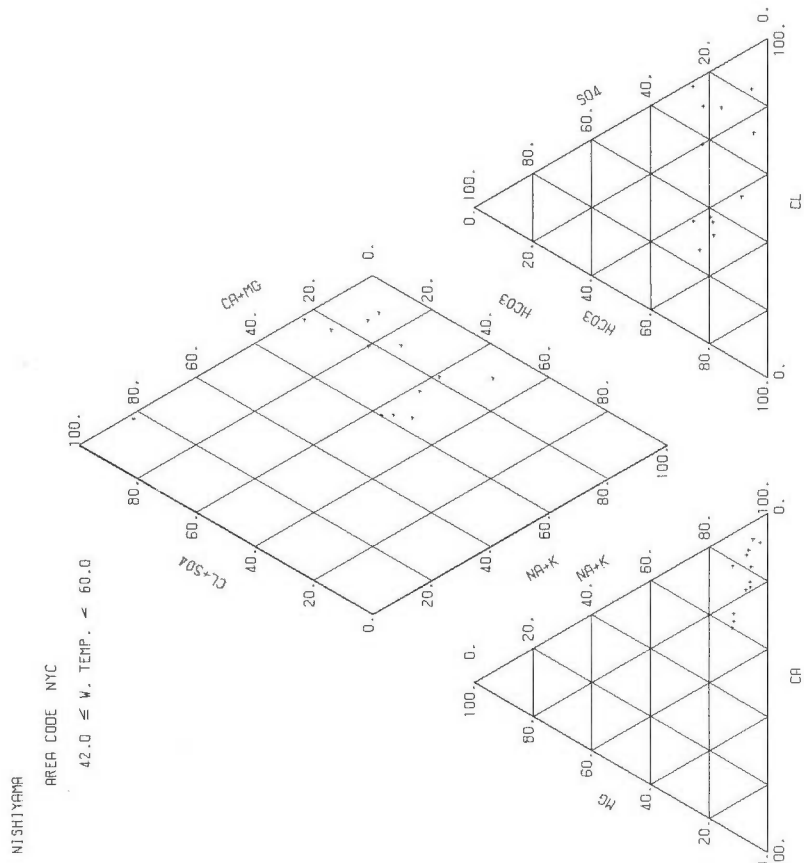
第40-5図 試料採取地（大塩温泉）



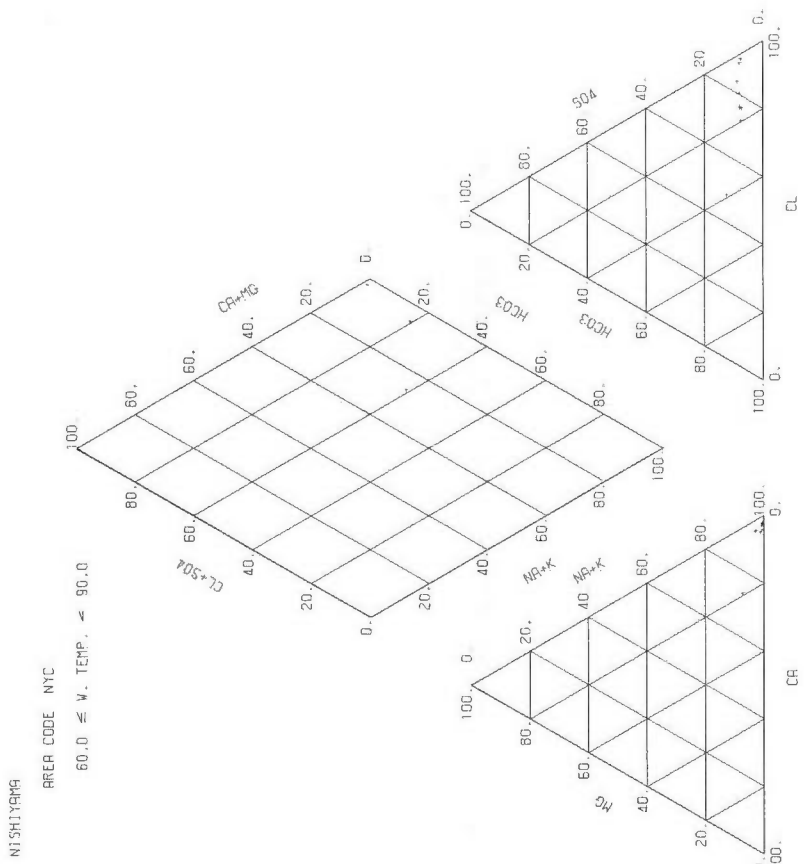
第40-6図 西山地域水質組成図(その1) (水温25℃以上42℃未満)



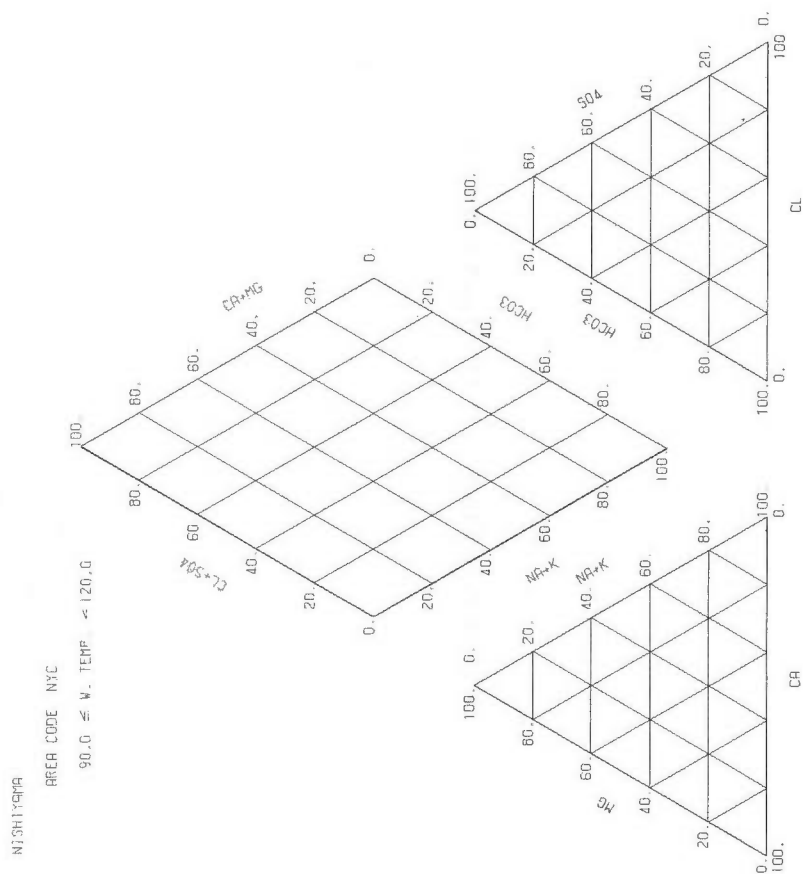
第40-6図 西山地域水質組成図(その2) (水温42℃以上60℃未満)



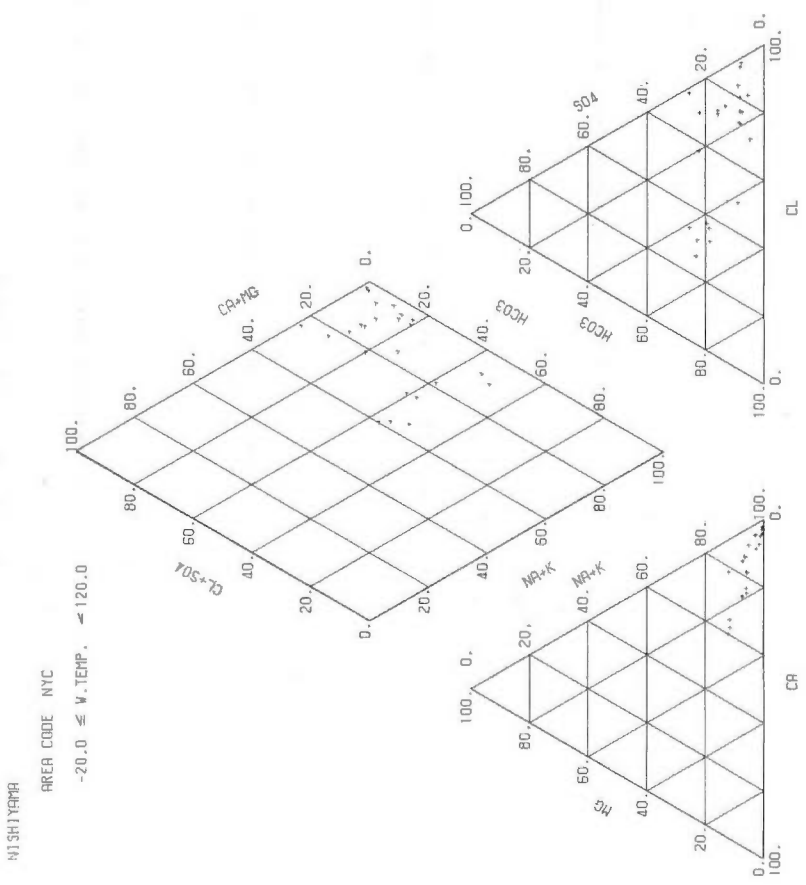
第 40-6 図 西山地域水質組成図 (その 3) (水温60°C以上90°C未満)



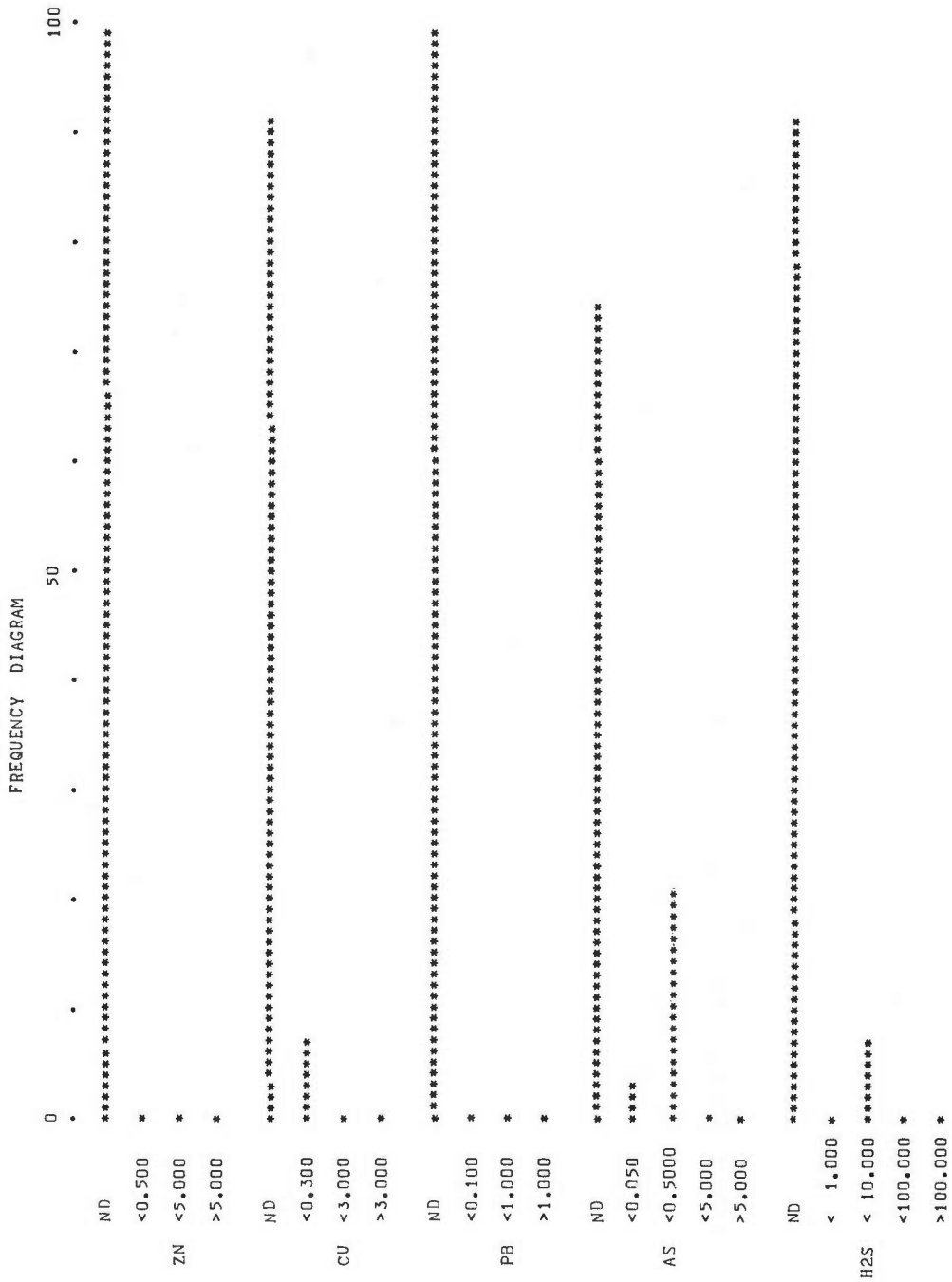
第 40-6 図 西山地域水質組成図 (その 4) (水温90°C以上120°C未満)



第40-6図 西山地域水質組成図(その5)(全試料)



第40-7図 西山地域特定成分含量の頻度分布図

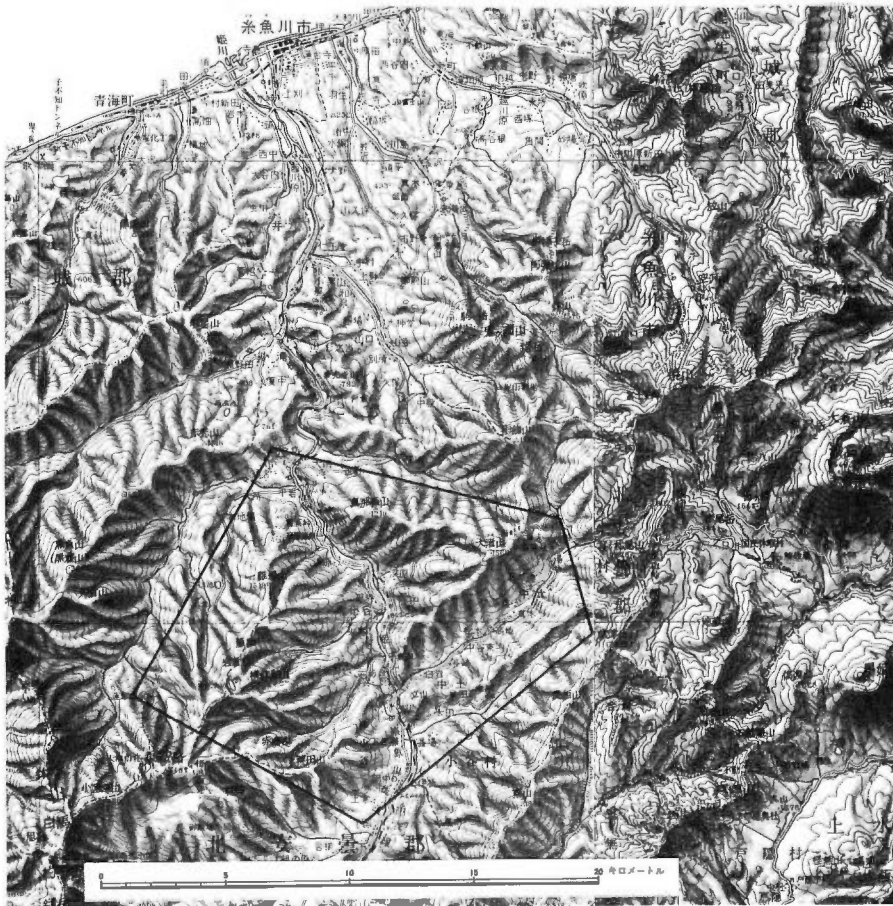


41. 小 谷

Otari

位 置	新潟県糸魚川市，長野県北安曇郡小谷村
データ数	19
収集・整理	池田喜代治・比留川 貴
協 力	新潟県衛生研究所，長野県衛生公害研究所，同北安曇郡小谷村

調査位置図（この地図は，国土地理院発行の20万分の1地勢図「富山」を使用したものである）



第 41-1 表 小谷地域試料一覽表

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
OTC-1	長野県北安曇郡小谷村中土18, 836	小	谷	(山田 寛)	19		D=0m, Q=118l/m, F	
"	"	"	"	(太田 栄造)	"		D=0m, Q=80.6l/m, F	
"	"	"	"	熱 泉 荘	1956. 9. 13		湯-39	
"	"	"	"	(鷲沢 捨男)	1969. 12. 8		"-46	
"	"	"	"	(小谷 村長)	1968. 12. 12		"-38	
"	"	"	"	(小谷 村長)	1958. 1. 22		101	
"	"	姫湯	川原	(山田 国貞)	1967. 11. 7		湯-58	
"	"	"	"	(")	1969. 8. 29		"-25	
"	"	姫	川	(小西 瀬次)	1971. 8. 23		"-35	
"	"	"	"	(小谷 村長)	1964. 4. 1		"-1	
"	"	"	"	(北原 豊吉)	1961. 11. 20		"-36	
"	"	来	馬	(中村 久男)	1972. 5. 19		"-5	
"	"	"	"	(丸山 喜代二)	1967. 1. 9		"-22	
"	"	下	瀬	(小谷 村長)	1968. 12. 12		"-39	
"	"	来	馬	(平川 芳人)	1972. 11. 13		"-48	
"	"	湯	原	(松沢 隆)	1955. 11. 28		"-18	
"	"	白	馬	天狗の湯	(1958. 4. 1)	20	D=0m, Q=23l/m, F	
"	"	蒲	原	(佐藤 集治)	(1961. 11. 10)	"	D=30m, Q=250l/m, F	
"	"	笹	倉		"	"	D=40m, Q=13l/m, P	

源泉名の () は所有者名, 依頼年月日の () は分析年月日, 備考欄のDは深度 (m), Qは湧・湯水量 (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41-2表 小谷地域水質一覽表

NO	OTC 1	OTC 2	OTC 3	OTC 4
TEMP	47.0	49.5	56.0	32.4
TSM	1832.300	2090.700	2104.000	7944.000
PH(FD)	6.90	6.90	7.50	6.40
PH(LB)	-	-	-	6.35
H (MG/KG) (MVAL/KG)				
K	13.960	19.840	0.508	0.199
NA	683.900	801.400	34,861	7,799
NH4	-	-	681.500	29,637
CA	45.500	43.070	2.149	1.261
MG	15.170	1.248	8.879	1.633
FE	0.898	0.032	1.197	0.011
MN	-	-	0.299	0.011
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.713	0.079	8.519	0.947
CL	55.900	1.577	63,690	1,797
BR	-	-	172.900	4,878
I	-	-	-	-
I	-	-	-	-
UH	-	-	-	0.970
S04	0.115	0.002	0.443	0.552
S203	-	-	26.500	35,790
HC03	1937.637	31.758	2187.230	1652.000
C05	-	-	-	27.076
S102 (MG/KG) (MMOL/KG)	-	-	-	2305.000
H802	48.289	0.804	44,050	0.733
H3P04	18.133	0.185	73.134	0.747
HA502	-	-	-	-
C02	150.033	3.409	185.279	4.210
H2S	-	-	-	820.700
RN (#E-10 CURIE/L)	5.056	4.000	-	-
NA/K	83.310	68.690	148.555	44.211
CA/(HC03+C05)	0.071	0.060	0.047	0.223
MG/CA	0.550	0.340	1.205	0.376
NA/CA	13.103	16.220	23.494	13.366
CL/(HC03+C05)	0.050	0.050	0.180	2.264
CL/F	-	-	-	1675.115
CL*100/(CL+S04+HC03+C03)	4.730	4.772	15.005	68.946
S04*100/(CL+S04+HC03+C03)	0.007	0.024	1.697	0.601
(HC03+C03)*100/(CL+S04+HC03+C03)	95.263	95.204	83.298	30.453
(NA+K)*100/(NA+K+CA+MG)	89.535	92.471	91.155	90.855
CA*100/(NA+K+CA+MG)	6.752	5.619	3.854	6.647
MG*100/(NA+K+CA+MG)	3.712	1.910	4.991	2.497
(CL+S04)*100/(CL+S04+HC03+C03)	4.737	4.796	16.702	69.547
(HC03+C03)*100/(CL+S04+HC03+C03)	95.263	95.204	83.298	30.453
(NA+K)*100/(NA+K+CA+MG)	89.535	92.471	91.155	90.855
(CA+MG)*100/(NA+K+CA+MG)	10.465	7.529	8.845	9.145

第41-2表 小谷地域水質一覽表 (つづき)

NO	OTC 5	OTC 6	OTC 7	OTC 8
TEMP	74.8	49.3	43.3	39.2
TSM	2207.000	1092.000	856.000	808.000
PH(FD)	7.10	6.50	6.60	6.60
PH(LB)	6.94	-	6.55	6.54
K (MG/KG)(NVAL/KG)	-	-	-	-
K	32.250	0.825	0.516	0.013
NA	819.500	35.648	203.100	8.835
NH4	-	-	3.018	0.077
CA	39.180	1.955	274.800	11.954
MG	12.350	1.016	62.130	3.100
FE	0.879	0.031	1.179	0.097
MN	-	-	2.448	0.088
ZN	-	-	0.680	0.022
CU	-	-	-	-
PB	-	-	-	-
AL	-	-	-	-
CL	231.400	6.528	334.900	9.448
BR	-	-	38.120	1.075
F	0.478	0.025	-	-
DM	-	-	-	0.987
S04	12.530	0.261	78.540	1.510
S203	-	-	9.643	0.201
HC03	1978.000	32.419	276.500	4.532
CB3	-	-	861.000	14.112
S102 (MG/KG)(MMOL/KG)	86.863	1.446	-	-
H802	14.930	0.341	40.072	0.667
H3P04	0.593	0.006	4.984	0.114
HAS02	0.076	0.001	0.626	0.006
C02	166.100	3.774	263.500	5.987
H2S	0.120	0.004	0.477	0.014
RN (#E-10 CURIE/L)	-	-	-	-
NA/K	43.212	669.343	154.841	82.846
CA/(HC03+C03)	0.040	0.890	0.220	0.230
MG/CA	0.580	0.642	0.031	0.085
NA/CA	18.234	2.191	3.850	4.025
CL/(HC03+C03)	0.201	2.085	0.076	0.080
CL/F	258.890	-	-	19.253
CL*100/(CL+S04+HC03+C03)	16.649	60.993	6.988	7.120
S04*100/(CL+S04+HC03+C03)	0.665	9.750	1.305	3.318
(HC03+C03)*100/(CL+S04+HC03+C03)	82.686	29.257	91.707	89.562
(NA+K)*100/(NA+K+CA+MG)	92.467	57.204	79.004	78.962
CA*100/(NA+K+CA+MG)	4.957	26.064	20.350	19.384
MG*100/(NA+K+CA+MG)	2.576	16.732	0.637	1.654
(CL+S04)*100/(CL+S04+HC03+C03)	17.314	70.743	8.293	10.438
(HC03+C03)*100/(CL+S04+HC03+C03)	82.686	29.257	91.707	89.562
(NA+K)*100/(NA+K+CA+MG)	92.467	57.204	79.004	78.962
(CA+MG)*100/(NA+K+CA+MG)	7.533	42.796	20.996	21.038

第41-2表 小谷地域水質一覽表 (つづき)

	OTC 13	OTC 14	OTC 15	OTC 16
NO	21.0	15.8	20.8	42.0
TEMP	3566.000	897.000	178.000	11357.700
TSM	7.30	6.40	7.50	6.70
PH(PD)	7.40	6.42	7.53	-
PH(LB)	-	-	-	-
H (MG/KG)(NVAL/KG)	-	-	-	-
K	27.610	0.706	7.100	0.182
NA	1378.000	22.730	24.700	17.590
MM4	-	257.100	1.074	291.900
CA	15.270	0.777	4.706	0.235
MG	39.650	27.230	105.100	5.244
FE	13.240	37.530	6.995	0.576
MN	-	1.639	0.194	0.089
ZN	-	0.474	0.018	0.024
CU	-	-	0.659	-
PB	-	-	-	-
AL	-	-	0.060	0.007
CL	789.200	22.263	12.690	0.358
BR	-	280.400	135.400	3.620
P	-	0.192	-	-
DM	-	0.010	0.284	0.015
S04	28.530	0.594	8.800	0.183
S203	-	11.990	9.536	0.199
HC03	2496.000	40.909	53.200	0.672
CD3	-	458.300	919.200	15.066
S102 (MG/KG)(MMOL/KG)	72.488	1.207	69.035	1.149
H802	14.521	0.331	0.468	-
H3P04	2.121	0.022	0.006	-
HAS02	-	-	-	-
C02	156.300	3.551	1.802	0.041
H2S	-	-	-	-
RN (#E-10 CURIE/L)	-	-	-	-
NA7K	84.873	19.235	5.916	28.220
CA/(HC03+C03)	0.019	0.181	0.269	0.348
MG/CA	4.200	2.273	0.824	0.110
NA/CA	77.152	8.231	4.575	2.421
CL/(HC03+C03)	0.944	1.053	0.811	0.254
CL/F	-	782.643	23.946	-
CL*100/(CL+S04+HC03+C03)	34.914	50.475	25.332	20.015
S04*100/(CL+S04+HC03+C03)	0.942	1.593	1.040	1.040
(HC03+C03)*100/(CL+S04+HC03+C03)	64.155	47.932	61.703	78.945
(NA+K)*100/(NA+K+CA+MG)	93.755	72.570	74.569	69.316
CA*100/(NA+K+CA+MG)	1.201	8.381	13.941	27.650
MG*100/(NA+K+CA+MG)	5.044	19.049	11.490	3.035
(CL+S04)*100/(CL+S04+HC03+C03)	35.845	52.068	38.298	21.055
(HC03+C03)*100/(CL+S04+HC03+C03)	64.155	47.932	61.703	78.945
(NA+K)*100/(NA+K+CA+MG)	93.755	72.570	74.569	69.316
(CA+MG)*100/(NA+K+CA+MG)	6.245	27.430	25.431	30.684

第41-2表 小谷地域水質一覽表 (つづき)

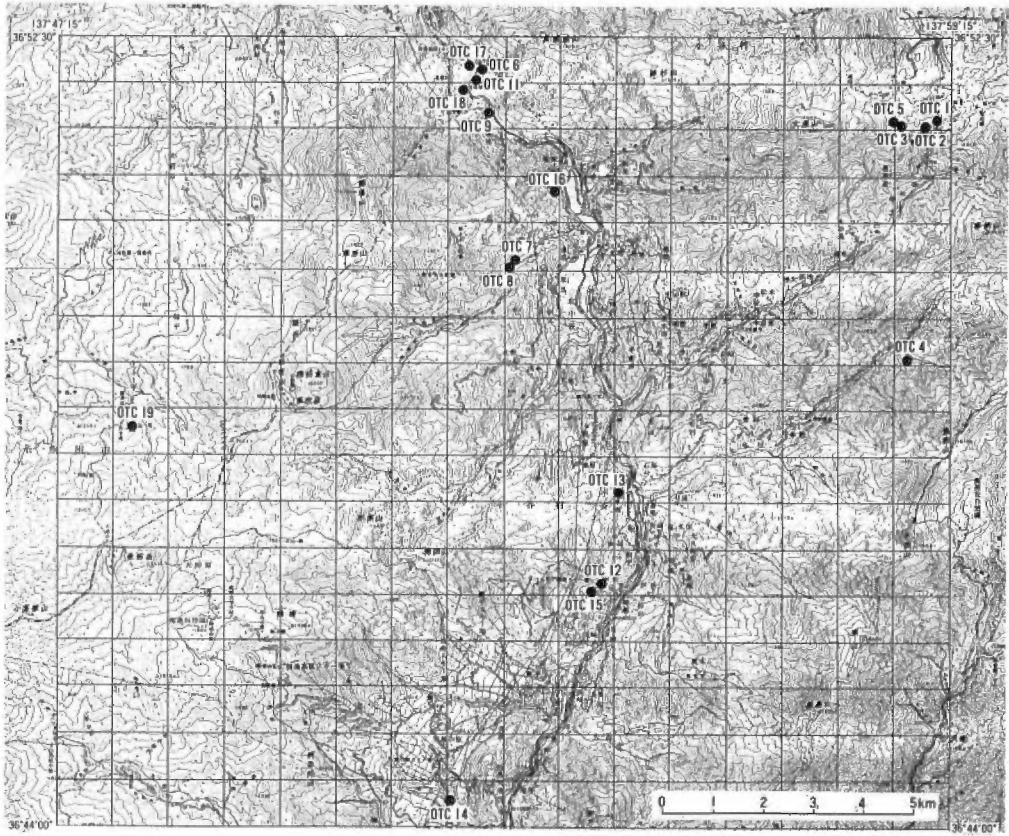
NO	OTC 17		OTC 18		OTC 19	
	TEMP	TSM	TEMP	TSM	TEMP	TSM
PH(PD)		1312.000	48.0		60.0	
PH(LB)		6.65				
H (HG/KG)(HVAL/KG)						
K	36.800	0.993	36.290	0.979	56.900	1.507
NA	270.900	11.784	209.000	9.091	386.100	16.795
NH4					1.100	0.061
CA	111.400	5.559	59.410	2.965	12.100	0.604
MG	30.100	2.477	10.510	0.865	1.100	0.091
FE	0.900	0.032	0.560	0.020	0.030	0.001
MN	0.130	0.005			0.020	0.001
ZN						
CU						
PB						
AL	0.030	0.003	1.280	0.142	0.190	0.021
CL	390.000	11.002	271.100	7.648	170.000	4.796
BR						
I						
F						
DH					0.120	0.007
S04					8.200	0.171
S203	85.000	1.770	46.990	0.978		
HC03	492.600	8.074	331.500	5.433	848.900	13.913
C05					5.600	0.187
S102 (HG/KG)(MMOL/KG)	79.699	1.327	8.124	0.145	29.080	0.484
H802	12.000	0.274	14.410	0.329	4.500	0.103
H3P04						
H4S02						
C02	419.900	9.540	22.290	0.506		
H2S						
RN (#E-10 CURIE/L)						
NA/K	11.873	9.282			11.167	
CA/(HC03+C03)	0.689	0.566			0.063	
MG/CA	0.446	0.292			0.150	
NA/CA	2.120	3.067			27.817	
CL/(HC03+C03)	1.363	1.408			0.340	
CL/F						
CL#100/(CL+S04+HC03+C03)	52.779	54.396			25.152	
S04#100/(CL+S04+HC03+C03)	8.490	6.959			0.895	
(HC03+C03)#100/(CL+S04+HC03+C03)	38.732	35.645			73.952	
(NA+K)#100/(NA+K+CA+MG)	61.390	72.451			96.345	
CA#100/(NA+K+CA+MG)	26.709	21.327			3.178	
MG#100/(NA+K+CA+MG)	11.901	6.222			0.477	
(CL+S04)#100/(CL+S04+HC03+C03)	61.268	61.355			26.048	
(HC03+C03)#100/(CL+S04+HC03+C03)	38.732	36.645			73.952	
(NA+K)#100/(NA+K+CA+MG)	61.390	72.451			96.345	
(CA+MG)#100/(NA+K+CA+MG)	38.611	27.549			3.655	

第41-3表 小谷地域特定成分含量の頻度分布表

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

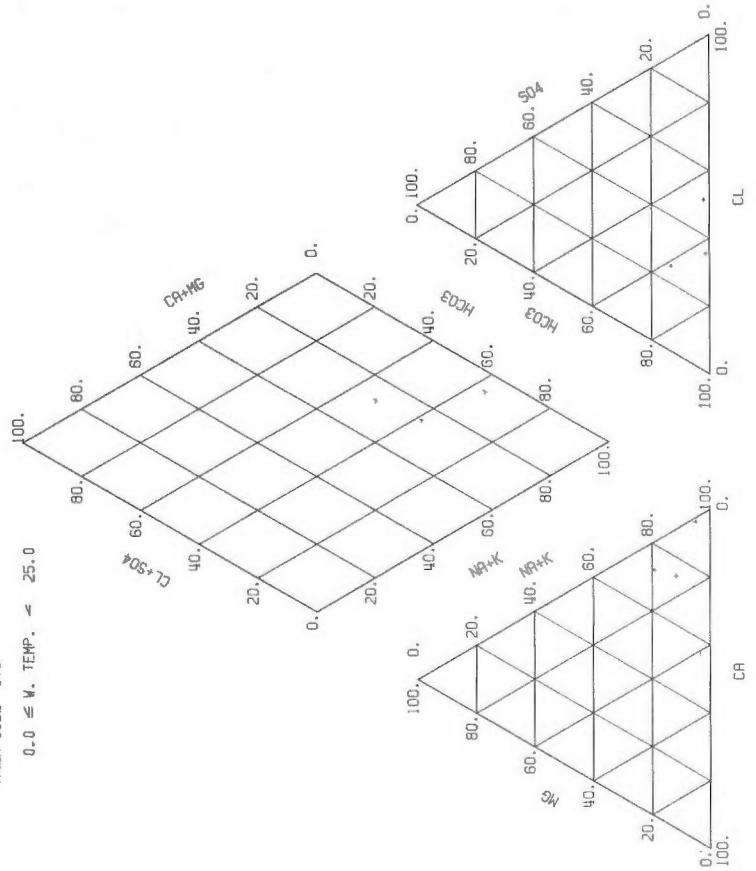
ZN		CU	
ND	N 19 F(%) 100.0	ND	N 19 F(%) 100.0
<0.500	0 0.0	<0.300	0 0.0
<5.000	0 0.0	<3.000	0 0.0
>5.000	0 0.0	>3.000	0 0.0
TOTAL	19 100.0	TOTAL	19 100.0
PB		AS	
ND	N 19 F(%) 100.0	ND	N 18 F(%) 94.7
<0.100	0 0.0	<0.050	0 0.0
<1.000	0 0.0	<0.500	1 5.3
>1.000	0 0.0	<5.000	0 0.0
TOTAL	19 100.0	>5.000	0 0.0
TOTAL		TOTAL	
19 100.0		19 100.0	
H2S		N= NUMBER OF SAMPLES	
ND	N 15 F(%) 78.9	F= FREQUENCY(%)	
< 1.000	4 21.1		
< 10.000	0 0.0		
<100.000	0 0.0		
>100.000	0 0.0		
TOTAL	15 78.9		
TOTAL		TOTAL	
19 100.0		19 100.0	

第41-1図 小谷地域の温泉分布及び試料採取地
(この地図は、国土地理院発行の5万分の1地形図「小滝」及び「白馬岳」を使用したものである。)



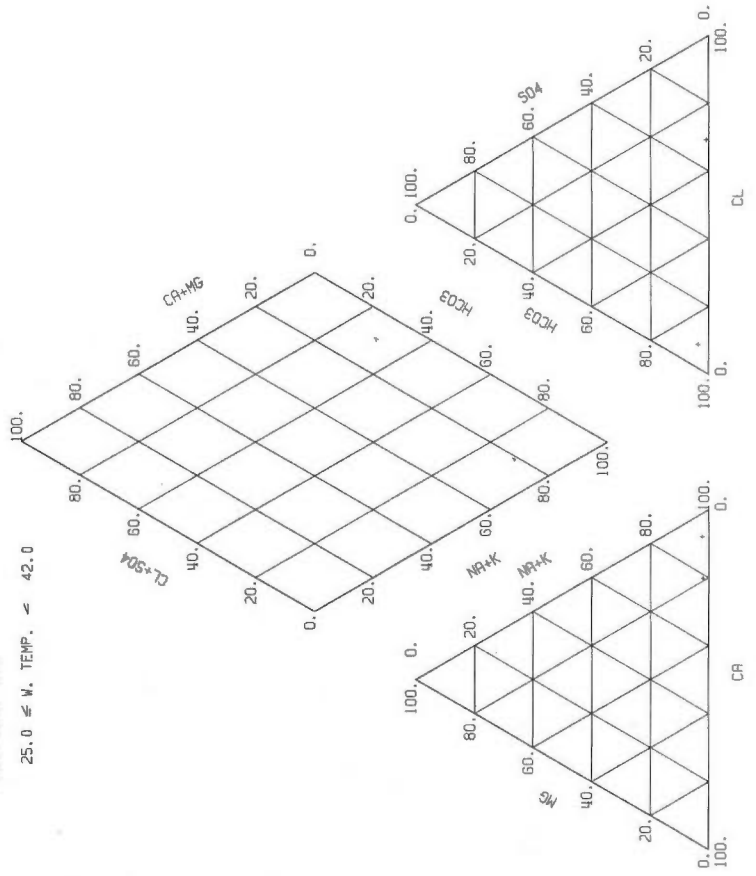
第 41-2 図 小谷地域水質組成図 (その 1) (水温 25℃未満)

OTARI
AREA CODE OTC
0.0 ≦ W. TEMP. < 25.0

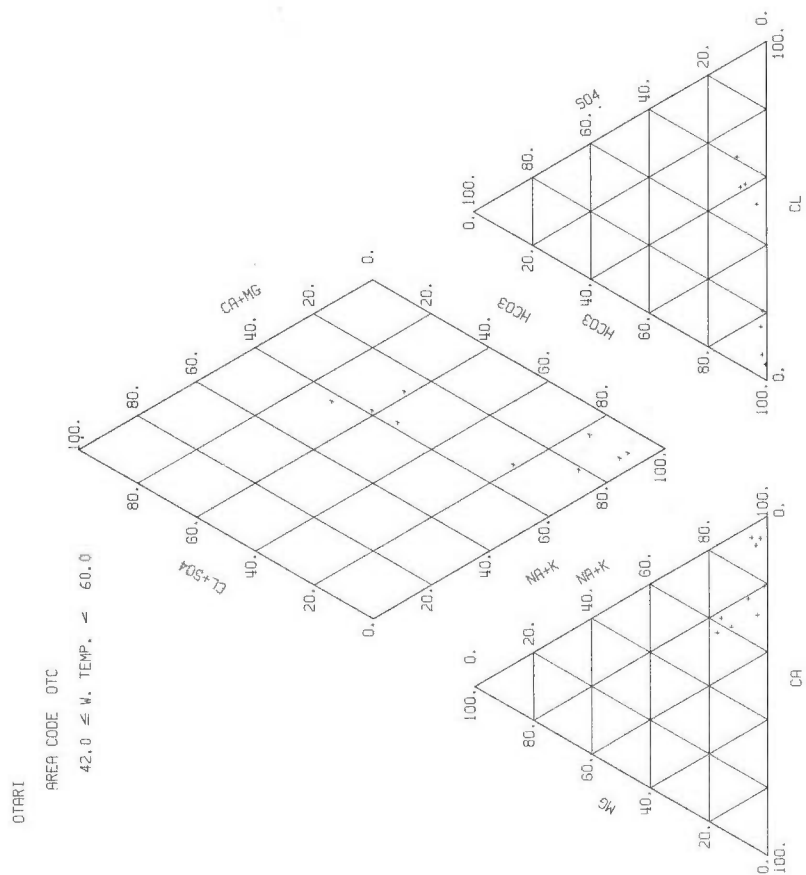


第 41-2 図 小谷地域水質組成図 (その 2) (水温 25℃以上 42℃未満)

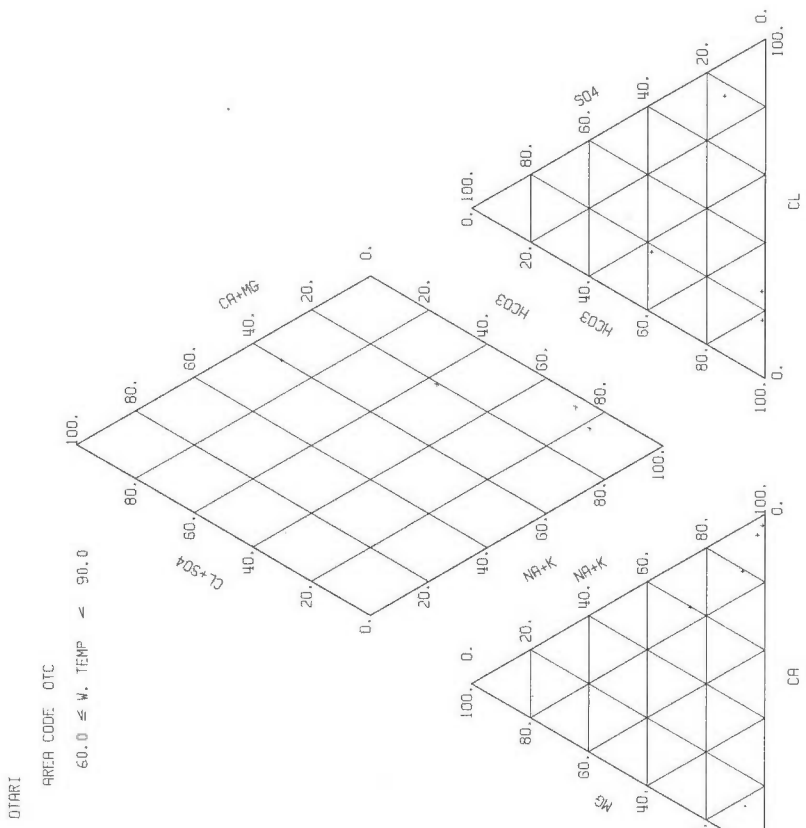
OTARI
AREA CODE OTC
25.0 ≦ W. TEMP. < 42.0



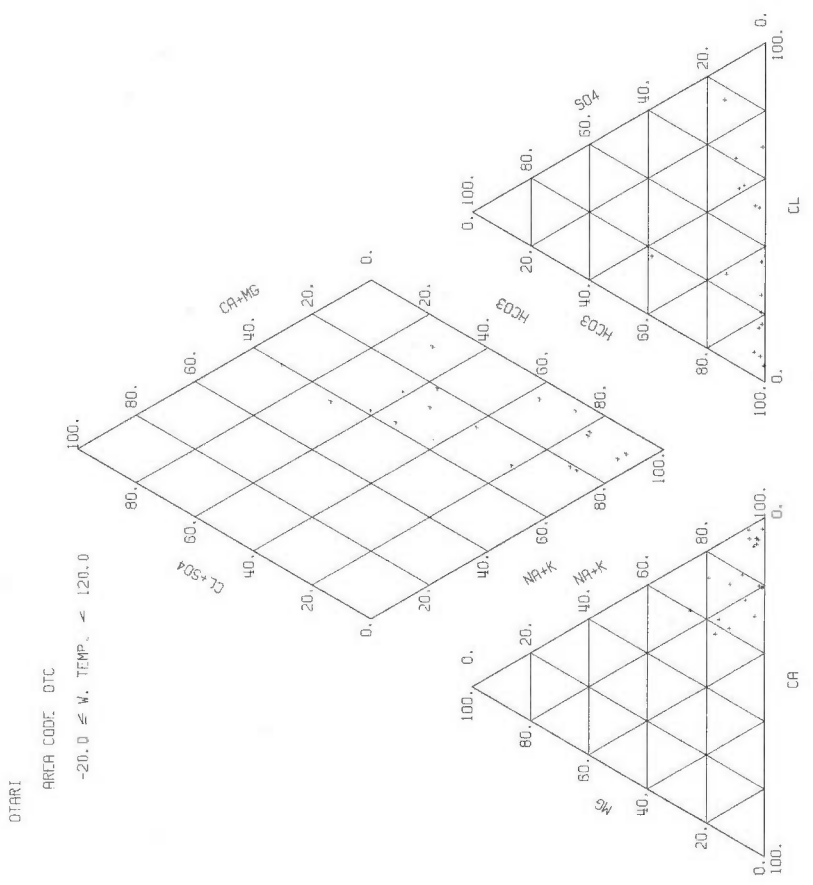
第 41-2 図 小谷地域水質組成図 (その 3) (水温 42°C 以上 60°C 未満)



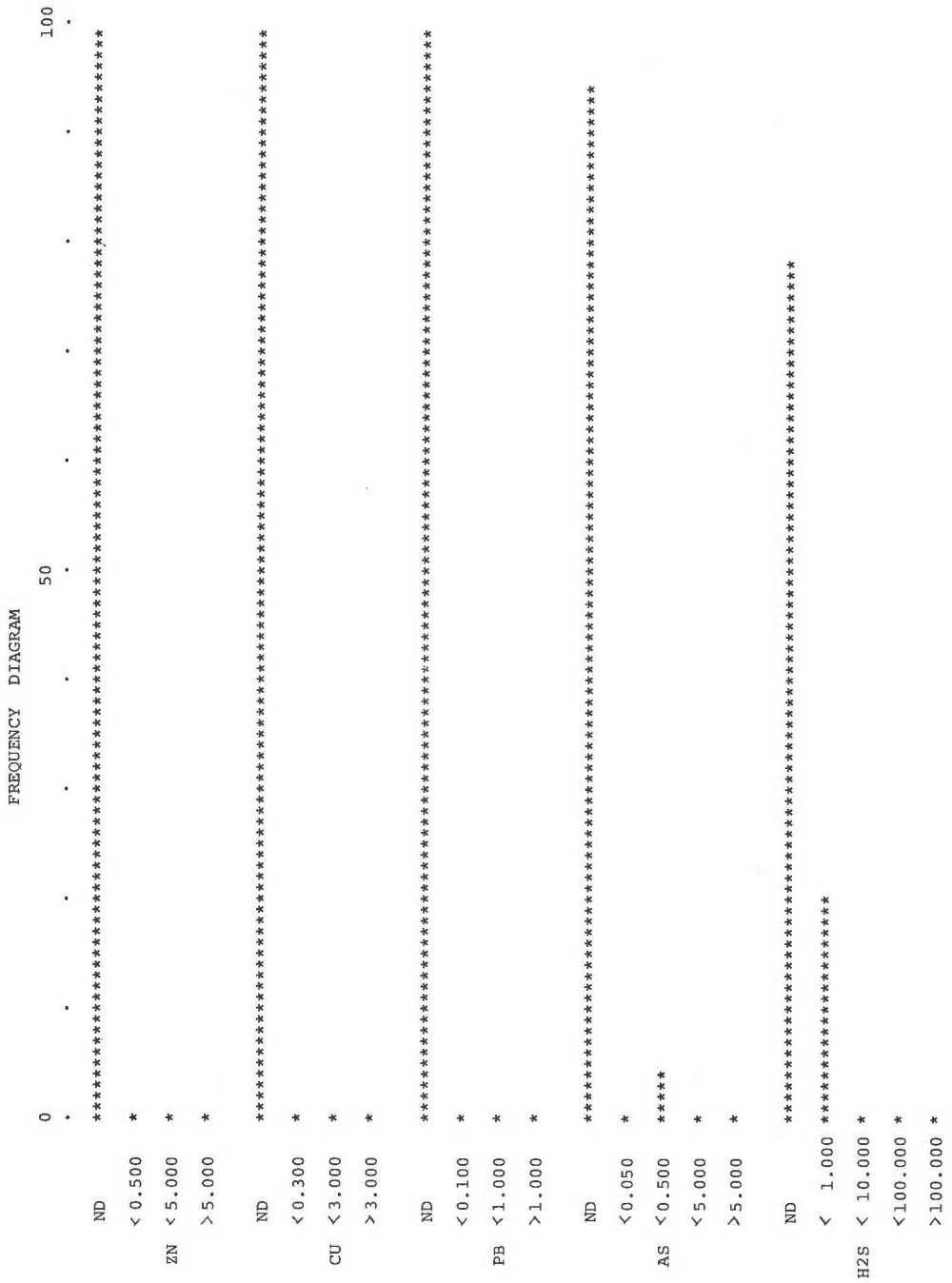
第 41-2 図 小谷地域水質組成図 (その 4) (水温 60°C 以上 90°C 未満)



第 41-2 図 小谷地域水質組成図 (その 5) (全試料)



第41-3図 小谷地域特定成分含量の頻度分布図

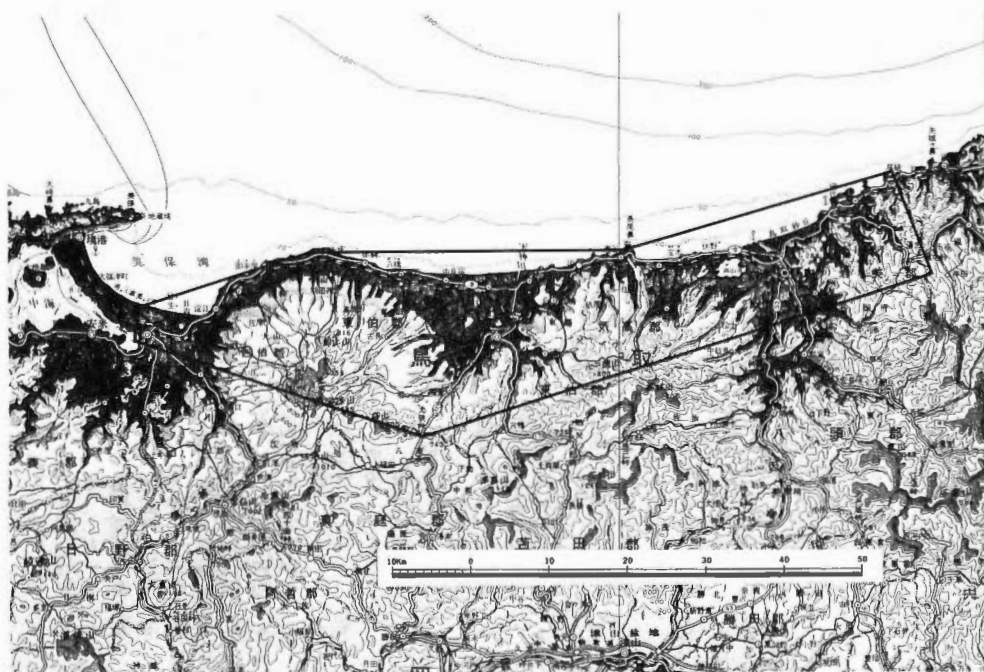


42. 鳥取

Tottori

位 置	鳥取県鳥取市，同米子市，同岩美郡岩美町，同気高郡気高町， 同東伯郡関金町，同郡東郷町，同郡羽合町，同郡三朝町
データ数	227
収集・整理	比留川 貴
協 力	鳥取県企画部，同衛生環境部

調査位置図（この地図は、国土地理院発行の50万分の1地勢図「中国四国」を使用したものである）



第 42-1 表 鳥取地域試料一覽表

No.	地 産	温 泉 名	源 泉 名	分 析 年 月 日	文 献 No.	文 献 中 的 試 料 No.	備 考
TOC-1	鳥取県岩美郡岩美町大字岩井533	岩井温泉	花屋	1951. 2. 28	42		Q=31.4l/m, ×
-2	" " " " " " " " " " " "	"	成瀬鉄造	"	"		Q=0.73l/m, ×
-3	" " " " " " " " " " " "	"	岩井屋	"	"		Q=154.7l/m, ×
-4	" " " " " " " " " " " "	"	備前屋	"	"		Q=13.9l/m, ×
-5	" " " " " " " " " " " "	"	字湯端屋敷547の1	"	42, 44	岩井44-3	D=100m, Q=467l/m, P
-6	" " " " " " " " " " " "	"	字蔵屋敷437	"	"	"	D=39.0m, Q=21.8l/m, F
-7	" " " " " " " " " " " "	"	字瀬戸田580	"	"	"	D=72.7m, Q=72.7l/m, P
-8	" " " " " " " " " " " "	"	字大中河原436の1	"	42	"	Q=64.8l/m, ×
-9	" " " " " " " " " " " "	"	536	1955. 1. 25	42, 44		D=72.0m, Q=19.3l/m, ×
-10	" " " " " " " " " " " "	"	字湯端屋敷537	1956. 1. 5	"		D=47.0, Q=57.6l/m, ×
-11	" " " " " " " " " " " "	"	" 547の2	1964. 1. 16	42		Q=549l/m, P, ×
-12	" " " " " " " " " " " "	"	字太田297	1965. 3. 9	42, 44	岩井44-2	D=175m, Q=163l/m, P
-13	" " " " " " " " " " " "	鳥取温泉	高砂温泉	1951. 4. 15	"	鳥取"-17	D=180m, Q=37.0l/m, P
-14	" " " " " " " " " " " "	"	鳥取市末広温泉町501の2	"	43	"	D=80.0m, Q=108l/m, P
-15	" " " " " " " " " " " "	"	吉方温泉 2丁目503	"	44	"	D=57.0m, Q=38.5l/m, P
-16	" " " " " " " " " " " "	"	" 1丁目556の2	"	43	"	D=45.5m, Q=11.7l/m, P
-17	" " " " " " " " " " " "	"	" 3丁目815	"	44	"	D=60.6m, Q=27.7l/m, P
-18	" " " " " " " " " " " "	"	" 3丁目807	"	43	"	D=61.0m, Q=20.7l/m, P
-19	" " " " " " " " " " " "	"	" 3丁目852の2	"	44	"	D=60.0m, Q=34.5l/m, P
-20	" " " " " " " " " " " "	"	末広温泉町456	"	44	"	D=94.0m, Q=19.9l/m, P
-21	" " " " " " " " " " " "	"	吉方温泉 3丁目601の2	"	"	"	Q=53.8l/m, ×
-22	" " " " " " " " " " " "	"	永楽温泉町	"	42		D=74.0m, Q=12.3l/m, P
-23	" " " " " " " " " " " "	"	568の2	"	42, 44	鳥取44-21	D=91.0m, Q=22.0l/m, P
-24	" " " " " " " " " " " "	"	末広温泉町625	"	"	"	D=66.0m, Q=10.2l/m, P
-25	" " " " " " " " " " " "	"	" 625	"	"	"	D=98.0m, Q=10.2l/m, P
-26	" " " " " " " " " " " "	"	" 557の3	"	"	"	D=66.0m, Q=18.2l/m, P
-27	" " " " " " " " " " " "	"	永楽温泉町653の2	1955. 1. 25	"	"	D=66.7m, Q=24.2l/m, P
-28	" " " " " " " " " " " "	"	吉方温泉 2丁目501	1955. 1. 25	"	鳥取44-11	D=157m, Q=155l/m, P
-29	" " " " " " " " " " " "	"	末広温泉町462の6	1956. 1. 25	43	"	D=70.0m, Q=19.2l/m, P
-30	" " " " " " " " " " " "	"	永楽温泉町403	"	44	"	D=55.0m, Q=13.0l/m, P
-31	" " " " " " " " " " " "	"	吉方温泉 3丁目107の2	"	"	"	D=72.0m, Q=19.9l/m, P
-32	" " " " " " " " " " " "	"	末広温泉町551	"	43	"	D=72.0m, Q=9.5l/m, P
-33	" " " " " " " " " " " "	"	永楽温泉町621	1958. 1. 27	44	"	D=55.0m, Q=66.9l/m, P
-34	" " " " " " " " " " " "	"	" 401の2	"	"	"	D=60.6m, Q=17.9l/m, P
-35	" " " " " " " " " " " "	"	末広温泉町753	"	43	"	D=39.4m, Q=14.9l/m, P
-36	" " " " " " " " " " " "	"	吉方温泉 1丁目543	"	44	"	D=60.0m, Q=8.6l/m, P
-37	" " " " " " " " " " " "	"	" 1丁目252	"	42	"	Q=84.8l/m, P, ×

No.	産地	温泉名	源泉名	源泉	分析年月日	文献No.	文献中の 試料No.	備考
TOC-38	鳥取県鳥取市吉方温泉3丁目701	鳥取温泉	鳥取温泉	鳥取温泉	1959. 8. 19	42, 44	鳥取44-3	D=120m, Q=24.7l/m, P
-39	" " " " 3丁目751の2	" " " "	" " " "	" " " "	1960. 7. 25	" "	" " " "	D=98.0m, Q=43.5l/m, P
-40	" " " " 富安字土高82の1	" " " "	" " " "	" " " "	1961. 8. 23	" 43	" 43-34	D=100m, Q=3.4l/m, P
-41	" " " " 永楽温泉町560の2	" " " "	" " " "	" " " "	1964. 3. 30	" 44	" 44-22	D=92.0m, Q=14.3l/m, P
-42	" " " " 吉方温泉3丁目151	" " " "	" " " "	" " " "	" 6. 6	" 43	" 43-7	D=61.0m, Q=14.5l/m, P
-43	" " " " 永楽温泉町651の8	" " " "	" " " "	" " " "	1965. 4. 21	" 44	" 44-10	D=80.0m, Q=39.4l/m, P
-44	" " " " 吉方温泉1丁目320の2	" " " "	" " " "	" " " "	1951. 4. 16	" "	" " " "	D=99.0m, Q=39.6l/m, P
-45	" " " " 吉岡温泉町馬場の下746	吉岡温泉	吉岡温泉	吉岡温泉	1955. 11. 3	42	" " " "	Q=8.5l/m, F, X
-46	" " " " " " 西上町660	" " " "	" " " "	" " " "	1964. 1. 21	42, 43	吉岡43-6	Q=520l/m, P, X
-47	" " " " " " 馬場の下749	" " " "	" " " "	" " " "	" 1. 21	42	" " " "	Q=80l/m, P, X
-48	" " " " " " 東下町143	" " " "	" " " "	" " " "	" 1. 21	42, 44	吉岡44-2	Q=21.9l/m, P
-49	" " " " 気高郡気高町大字浜村字八反田55の25	浜村温泉	浜村温泉	浜の屋1号	1951. 4. 21	" "	浜村 " -11	D=44.0m, Q=8.6l/m, P
-50	" " " " " " " " 55の24	" " " "	" " " "	浜の屋2号	" 4. 21	" "	" " " -13	D=44.5m, Q=24.4l/m, P
-51	" " " " " " " " 55の21	" " " "	" " " "	浜の屋3号	" 4. 21	" "	" " " -14	D=44.5m, Q=16.7l/m, P
-52	" " " " " " 大字勝見692の18	" " " "	" " " "	浜の屋4号	" 4. 21	" "	" " " -15	D=44.5m, Q=16.5l/m, P
-53	" " " " " " 大字浜村字八反田55の47	" " " "	" " " "	日野医院	1954. 8. 5	" "	" " " -10	D=43.0m, Q=41.8l/m, P
-54	" " " " " " 大字勝見字海老田61	" " " "	" " " "	鈴木虎一	1951. 4. 22	" "	" " " -21	D=27.5m, Q=25.2l/m, P
-55	" " " " " " 大字浜村字五反田51の3	" " " "	" " " "	陸荘1号	" 4. 21	" "	" " " -1	D=11.0m, Q=31.3l/m, P
-56	" " " " " " " " 50の7	" " " "	" " " "	陸荘2号	" 4. 21	" "	" " " -2	D=30.0m, Q=14.3l/m, P
-57	" " " " " " 大字勝見字中沢696の1	" " " "	" " " "	小谷旅館1号	" 4. 22	42	" " " "	Q=9.4l/m
-58	" " " " " " " " 695の15	" " " "	" " " "	新泉の湯	" 4. 21	" "	" " " "	Q=5.4l/m
-59	" " " " " " 大字浜村字五反田46の10	" " " "	" " " "	鈴木旅館	" 4. 21	42, 44	浜村44-18	D=22.0m, Q=56.0l/m, P
-60	" " " " " " 大字勝見字湯尻690の13	" " " "	" " " "	徳安の湯	" 4. 21	" "	" " " -17	D=40.0m, Q=23.0l/m, P
-61	" " " " " " 大字浜村字五反田53	" " " "	" " " "	たばこや2号	" 4. 22	" "	" " " -3	D=36.0m, Q=43.8l/m, P
-62	" " " " " " " " 53	" " " "	" " " "	たばこや3号	" 4. 22	43	" 43-4	D=36.0m, Q=32.8l/m, P
-63	" " " " " " 大字勝見690の25	" " " "	" " " "	浜の家5号	" 4. 22	44	" 44-16	D=36.0m, Q=27.3l/m, P
-64	" " " " " " " " 字福田尻642	" " " "	" " " "	葺の湯1号	" 4. 22	" "	" " " -25	D=42.0m
-65	" " " " " " 大字浜村字砂山843の1	" " " "	" " " "	鈴木旅館砂丘1号	1956. 3. 5	42	" " " "	Q=11.9l/m, X
-66	" " " " " " " " 843の2	" " " "	" " " "	永田旅館	1962. 1. 19	42, 44	浜村44-6	D=40.0m, Q=58.9l/m, P
-67	" " " " " " 大字勝見浜村駅構内	" " " "	" " " "	国鉄	1956. 1. 17	" "	" " " -20	D=30.0m, Q=31.1l/m, P
-68	" " " " " " 大字今市字湯鼻1012の2	鹿野温泉	鹿野温泉	湯鼻の湯	" 3. 5	" 43	鹿野43-3	D=39.4m, Q=6.4l/m, F
-69	" " " " " " " " 字走出1039の3	" " " "	" " " "	走久の湯	" 7. 20	44	" 44-1	D=35.0m, Q=196l/m, P
-70	" " " " " " " " 字安久969	" " " "	" " " "	安久の湯	" 9. 24	" "	" " " -2	D=31.0m, Q=20.8l/m, P
-71	" " " " " " " " 字東西波708	" " " "	" " " "	東西波の湯	1958. 9. 2	" 43	" 43-4	D=39.0m, Q=9.8l/m, F
-72	" " " " " " " " 字上六反田717の2	" " " "	" " " "	上六反田の湯	1962. 9. 26	44	" 44-3	D=38.0m, Q=90.2l/m, P
-73	" " " " " " " " 字中筋526の1	" " " "	" " " "	中筋1号	1964. 9. 29	" 43	" 43-6	D=100m, Q=97.8l/m, P
-74	" " " " 東白郡東郷町大字旭31	東郷温泉	東郷温泉	共同浴湯	1951. 12. 8	" 44	東郷44-25	D=54.0m, Q=15.3l/m, P
-75	" " " " " " " " 2	" " " "	" " " "	長尾節二	" 3. 21	" "	" " " -13	D=71.0m, Q=9.3l/m, P

No.	産地	温泉名	源泉名	源泉名	分析年月日	文献No.	文献中の 試料 No.	備考
76	鳥取県東伯郡東郷町大字旭134	東郷温泉	東郷湖畔共同組合	東郷湖畔共同組合	1951.12.8	42, 43	東郷43-33	Q=25.6l/m, P
77	"	"	"	河本旅館1号	"	"	44-22	D=48.0m, Q=29.7l/m, P
78	"	"	"	高田やえ	"	"	"	D=51.0m, Q=8.9l/m, P
79	"	"	"	大字中興寺字松原408の1	1951.12.7	"	44-12	D=54.0m, Q=16.4l/m, P
80	"	"	"	大字旭74	"	"	"	D=48.0m, Q=6.6l/m, P
81	"	"	"	"	3.21	"	"	D=45.0m, Q=10.4l/m, P
82	"	"	"	"	12.8	42	"	Q=10.8l/m, F, ×
83	"	"	"	"	3.21	42, 44	東郷44-20	D=258m, Q=87.9l/m, F
84	"	"	"	大字中興寺字松原406の3	"	"	"	D=56.0m, Q=16.1l/m, P
85	"	"	"	大字旭63	"	3.21	43	D=57.0m, Q=30.0l/m, P
86	"	"	"	"	12.8	44	44-32	D=42.0m, Q=42.0l/m, P
87	"	"	"	大字引地字明五の湯137の1	"	3.21	"	D=40.5m, Q=29.2l/m
88	"	"	"	大字旭59の4	"	2.28	"	D=45.0m, Q=20.1l/m
89	"	"	"	大字引地字明五の湯588の1	1955.2.28	"	"	D=45.0m, Q=28.2l/m, P
90	"	"	"	大字松崎438	"	10.31	"	D=51.0m, Q=27.9l/m, P
91	"	"	"	"	11.3	"	"	D=93.0m, Q=32.9l/m, P
92	"	"	"	"	8.6	"	"	D=60.0m, Q=11.0l/m, P
93	"	"	"	"	8.7	43	43-25	D=45.0m, Q=38.0l/m, P
94	"	"	"	"	9.25	44	44-29	D=61.0m, Q=47.8l/m, P
95	"	"	"	大字中興寺四月井手412の7	"	8.7	42	Q=14.9l/m, F, ×
96	"	"	"	大字旭89	1958.3.4	42, 43	東郷43-29	D=52.0m, Q=21.8l/m, P
97	"	"	"	"	3.5	42	"	Q=10.6l/m, P
98	"	"	"	大字引地字明五の湯145の5	"	7.11	42, 44	D=18.0m, Q=33.2l/m, P
99	"	"	"	大字旭51	"	7.11	"	D=36.0m, Q=8.6l/m, P
100	"	"	"	"	7.11	"	"	D=157m, Q=23.9l/m
101	"	"	"	"	2.4	"	"	D=100m, Q=28.7l/m, P
102	"	"	"	"	12.8	"	"	D=108m, Q=14.3l/m, P
103	"	"	"	大字引地字明五の湯588の1	1961.8.29	"	"	D=47.0m, Q=13.3l/m, P
104	"	"	"	大字旭93	1962.2.28	42	"	Q=8.8l/m, F, ×
105	"	"	"	大字引地字杭の和田40の11	"	2.27	42, 44	D=110m, Q=20.8l/m, F, ×
106	"	"	"	大字松崎字新町370の11	"	2.27	"	D=110m, Q=8.8l/m, P
107	"	"	"	大字旭26	1963.6.4	"	"	D=54.0m, Q=7.7l/m, P
108	"	"	"	大字中興寺字四月井手412の6	"	6.3	"	D=105m, Q=14.4l/m, P
109	"	"	"	大字旭62	"	6.5	42	Q=10.3l/m, P, ×
110	"	"	"	大字松崎字新町370の24	"	9.30	42, 44	D=104m, Q=9.5l/m, P
111	"	"	"	大字旭92	"	9.30	"	D=110m, Q=9.3l/m, P
112	"	"	"	"	6.19	"	"	D=200m, Q=21.8l/m, P
113	"	"	"	一藤3号	"	12.8	42	Q=29.7l/m, F

No.	産地	温泉名	源泉名	分析年月日	文献No.	文献中の 試料 No.	備考
TOC-114	鳥取県東伯郡東郷町大字旭35	東郷温泉	鶴の湯3号	1964.12.9	42, 44	東郷44-9	D=210m, Q=8.7l/m, P
-115	" " " " " " " " " " " "	" "	老人ホーム	" 12.9	" "	" " -33	D=105m, Q=49.2l/m, P
-116	" " " " " " " " " " " "	" "	竜頭島	1965.3.4	" "	" " -34	D=45.0m, Q=14.6l/m, P
-117	" " " " " " " " " " " "	浅津温泉	服部信雄	1951.3.22	42		Q=43.3l/m, ×
-118	" " " " " " " " " " " "	" "	沢	" 3.22	" "		Q=13.9l/m, ×
-119	" " " " " " " " " " " "	" "	望湖楼	" 3.22	42, 44	浅津44-4	D=47.0m, Q=108l/m, P
-120	" " " " " " " " " " " "	" "	集中管理4号	" 3.22	" "	" " -5	D=98.8m, P
-121	" " " " " " " " " " " "	" "	青木さだ子	" 3.23	42		Q=21.6l/m, ×
-122	" " " " " " " " " " " "	" "	湯村貞蔵	" "	" "		Q=24.0l/m, ×
-123	" " " " " " " " " " " "	" "	吉川きみ	1951.3.23	" "		Q=7.2l/m, ×
-124	" " " " " " " " " " " "	" "	江崎定蔵	" 3.22	" "		Q=27.1l/m, ×
-125	" " " " " " " " " " " "	" "	若木雪野	" 3.22	" "		Q=4.7l/m, ×
-126	" " " " " " " " " " " "	" "	清水好男	" 3.23	" "		Q=1.0l/m, ×
-127	" " " " " " " " " " " "	" "	高橋音蔵	" 3.22	" "		Q=16.1l/m, ×
-128	" " " " " " " " " " " "	" "	磯江きよの	" 3.22	" "		Q=24.0l/m, ×
-129	" " " " " " " " " " " "	" "	共同浴場	" 3.23	" "		Q=15.5l/m, ×
-130	" " " " " " " " " " " "	" "	ステジの湯	1955.2.25	" "		Q=9.8l/m, F, ×
-131	" " " " " " " " " " " "	" "	永江直儀	1955.2.25	" "		Q=36.5l/m, F, ×
-132	" " " " " " " " " " " "	" "	養老院	" 2.25	42, 44		D=40.5m, Q=14.4l/m, F, ×
-133	" " " " " " " " " " " "	" "	山崎寿村	" 2.25	42		Q=15.0l/m, F, ×
-134	" " " " " " " " " " " "	" "	湯中泉	" 2.25	" "		Q=8.9l/m, F, ×
-135	" " " " " " " " " " " "	" "	湖中泉	1958.7.10	42, 44	浅津44-1	D=40.0m, Q=366l/m, P
-136	" " " " " " " " " " " "	" "	牧田茂樹	1962.2.28	42		Q=23.0l/m, F, ×
-137	" " " " " " " " " " " "	" "	集中管理1号	1963.2.15	42, 44	浅津44-2	D=118m, Q=83.9l/m, P
-138	" " " " " " " " " " " "	" "	集中管理3号	" 2.15	" "	" " -6	D=74.0m, Q=321l/m, P
-139	" " " " " " " " " " " "	関金温泉	温清楼家族湯	1951.4.18	" "	関金"-5	Q=3.8l/m, F
-140	" " " " " " " " " " " "	" "	温清楼上の湯	" 4.18	42		Q=4.8l/m, F, ×
-141	" " " " " " " " " " " "	" "	大橋旅館1号	" 4.18	42, 44	関金44-11	Q=16.7l/m, P
-142	" " " " " " " " " " " "	" "	鳥飼旅館の湯	" "	" "	" " -8	Q=3.7l/m, F
-143	" " " " " " " " " " " "	" "	関の湯	1957.9.17	42		Q=16.3l/m, F, ×
-144	" " " " " " " " " " " "	" "	温清楼露天風呂	" 9.18	42, 44	関金44-2	D=20.0m, Q=6.3l/m, F
-145	" " " " " " " " " " " "	" "	長門旅館	1958.12.12	" "	" " -10	D=30.0m, Q=24.2l/m, P
-146	" " " " " " " " " " " "	" "	青年研修所	1961.9.14	" 43	" 43-13	D=150m, Q=13.1l/m, P
-147	" " " " " " " " " " " "	" "	建部邦雄	1963.9.26	" 44	" 44-13	D=160m, Q=12.9l/m
-148	" " " " " " " " " " " "	三朝温泉	中屋2号	1949.4.26	" "	三朝"-56	Q=6.2l/m
-149	" " " " " " " " " " " "	" "	大橋旅館岩窟の湯	1951.4.25	" "	" " -18	D=1.9m, Q=2.4l/m
-150	" " " " " " " " " " " "	" "	清流荘(地の恵)	" 4.26	" "	" " -15	D=13.0m, Q=28.9l/m, P
-151	" " " " " " " " " " " "	" "	清流荘(かじか)	" 4.26	" "	" " -16	D=36.0m, Q=31.7l/m, P

No.	産地	温泉名	源泉名	分析年月日	文献No.	文献中の 試料No.	備考
TOC-190	鳥取県東伯郡三朝町大字三朝字半畑893の2	三朝温泉	木屋別館	1952. 3. 13	42, 44	三朝44-72	D=3.0m, Q=2.3l/m
-191	"	"	三潤荘2号	" 3. 7	"	"	D=30.0m, Q=8.1l/m, P
-192	"	"	御茶屋	" 3. 13	"	"	Q=12.3l/m
-193	"	"	神泉寮の湯	" 3. 7	"	"	D=2.3m, Q=1.5l/m
-194	"	"	国立三朝病院5号	" 3. 10	"	"	D=23.0m, Q=27.6l/m, P
-195	"	"	黒住教	1955. 2. 23	"	"	D=30.0m, Q=19.3l/m, P
-196	"	"	岩崎(露天)	" 3. 3	"	"	D=53.0m, Q=34.1l/m, P
-197	"	"	湊泉閣	1956. 7. 31	"	"	D=0.7m, Q=11.6l/m, P
-198	"	"	西藤館2号	" 7. 31	42	"	×
-199	"	"	清流荘3号	" 10. 30	"	"	Q=8.2l/m, F
-200	"	"	みささ館3号	1957. 2. 13	42, 44	三朝44-28	D=30.0m, Q=16.1l/m, P
-201	"	"	大橋旅館和泉の湯	" 2. 22	"	"	D=23.0m, Q=19.6l/m, F
-202	"	"	後 泉	" 3. 23	"	"	D=44.0m, Q=25.8l/m, P
-203	"	"	田中の湯	" 8. 28	"	43	D=75.0m, Q=27.5l/m, P
-204	"	"	岩崎(山の湯)	" 8. 28	"	44	D=91.0m, Q=83.7l/m, P
-205	"	"	グラソドホテル	1958. 3. 27	"	"	D=91.0m, Q=12.6l/m, P
-206	"	"	岩湯(別館)	" 9. 4	"	"	D=30.0m, Q=3.8l/m, P
-207	"	"	明治荘鶴の湯	" 9. 5	"	43	D=1.0m, Q=11.3l/m
-208	"	"	明治荘亀の湯	" 9. 5	"	44	D=1.0m, Q=8.8l/m
-209	"	"	三朝温泉土地開発K.K.	1959. 1. 29	42	"	×
-210	"	"	三朝温泉会館	1960. 10. 22	42, 44	三朝44-1	D=200m, Q=52.3l/m, P
-211	"	"	永 泉 庵	1962. 6. 27	"	"	D=20.0m, Q=17.1l/m
-212	"	"	万翠楼(湯谷)	" 6. 27	"	43	D=167m, Q=9.5l/m, P
-213	"	"	村 上 庄	" 6. 27	42	"	Q=15.7l/m, F, ×
-214	"	"	明治荘岩の湯	1963. 9. 27	42, 43	三朝43-48	D=50.0m, Q=28.2l/m, P
-215	"	"	町有源泉1号	1964. 3. 5	"	44	D=50.0m, Q=62.1l/m, P
-216	"	"	芥木別館1号	" 5. 13	"	"	D=100m, Q=56.0l/m, P
-217	"	"	大瀬 共浴	" 5. 13	"	"	D=155m, Q=140l/m, P, ×
-218	"	"	温泉会館2号	1965. 7. 13	42	"	Q=11.9l/m, P, ×
-219	"	"	皆生温泉	1951. 3. 5	42, 44	皆生44-6	D=100m, Q=405l/m, P
-220	"	"	皆生温泉親光K.K. 6号	1955. 4. 25	"	"	D=164m, Q=191l/m, P
-221	"	"	" 8号	1957. 6. 3	"	43	D=89.0m, Q=184l/m, P
-222	"	"	" 4号	" 6. 3	"	44	D=240m, Q=331l/m, P
-223	"	"	" 10号	1963. 5. 28	"	"	D=162m, Q=400l/m, P
-224	"	"	" 12号	" 5. 28	"	"	D=350m, Q=238l/m, P
-225	"	"	" 16号	" 5. 28	"	"	D=162m, Q=350l/m, P
-226	"	"	" 18号	1965. 3. 26	"	"	D=400m, Q=348l/m, P
-227	"	"	" 20号	" 3. 26	"	"	D=64.0m, Q=170l/m, P
			東 光 園	"	"	"	×

文献中の試料 No. の欄の温泉名の次の数字は文献の No. を示す。備考欄のDは深度(m), Qは湧・揚水量(l/m), Pはポンプ揚水, Fは自噴, ×は源泉位置不明を示す。

第 42-2 表 烏取地域水質一覽表

NO	TOC 1	TOC 2	TOC 3	TOC 4
TEMP	47.0	30.5	50.0	48.0
TSM	1253.900	1191.000	1996.400	2418.600
PH(FD)	7.40	7.40	7.40	7.40
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	11.700	8.280	115.200	2.947
NA	159.400	95.500	169.700	7.382
NH4	0.200	0.011	0.030	0.002
CA	175.400	8.752	218.900	10.923
MG	26.200	2.156	89.600	7.373
FE	4.400	1.200	2.400	0.086
MN	0.330	0.012	0.210	0.008
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.191	0.042	0.017	0.003
CL	99.640	134.040	131.200	3.701
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	668.200	563.000	1166.500	24.245
S203	123.100	122.000	102.900	1.687
HCO3	-	-	-	-
CO3	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	23.233	9.847	24.387	0.406
HS02	13.760	14.950	6.340	0.145
H3PO4	-	-	-	-
HAS02	-	-	-	-
CO2	10.560	7.200	3.580	0.081
H2S	-	-	-	-
RN (*E-10 -CURIE/L)	2.730	3.450	0.470	3.380
NA/K	20.261	19.614	2.505	9.031
CA/(HCO3+CO3)	4.338	4.440	6.477	4.587
MG/CA	0.246	0.219	0.675	0.837
NA/CA	0.693	0.468	0.676	1.546
CL/(HCO3+CO3)	1.393	1.891	2.195	2.126
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	14.999	21.604	12.490	11.891
S04*100/(CL+S04+HCO3+CO3)	74.235	66.971	81.818	82.514
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.766	11.425	5.691	5.594
(NA+K)*100/(NA+K+CA+MG)	36.842	28.752	36.083	48.314
CA*100/(NA+K+CA+MG)	50.675	58.459	38.159	28.135
MG*100/(NA+K+CA+MG)	12.483	12.789	25.758	23.551
(CL+S04)*100/(CL+S04+HCO3+CO3)	88.234	88.575	94.309	94.406
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.766	11.425	5.691	5.594
(NA+K)*100/(NA+K+CA+MG)	36.842	28.752	36.083	48.314
(CA+MG)*100/(NA+K+CA+MG)	63.158	71.248	63.917	51.686

第42-2表 鳥取地域水質一覧表 (つづき)

NO	TOC 5	TOC 6	TOC 7	TOC 8
TEMP	50.0	35.0	48.0	35.0
TSM	1389.600	1336.200	1489.500	-
PH(FD)	7.40	7.40	7.40	7.40
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	11.600	9.500	0.243	1.840
NA	204.400	183.500	8.000	8.513
NH4	-	0.160	0.009	0.014
CA	173.900	175.400	8.752	8.862
MG	22.540	22.100	1.819	22.540
FE	1.000	1.280	0.046	1.220
MN	0.190	0.400	0.015	0.030
ZN	-	-	0.007	0.007
CU	-	-	-	-
PB	-	-	-	-
AL	0.013	0.215	0.024	0.002
CL	130.200	111.530	3.146	116.340
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	735.540	726.550	15.127	15.625
S203	-	-	-	-
HC03	115.300	114.000	1.868	2.764
C03	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	-	-	-	-
HB02	33.541	19.540	0.325	0.506
H3PO4	2.760	13.840	0.316	0.335
HAS02	-	-	-	-
C02	11.880	8.960	0.204	0.443
H2S	-	-	-	-
PN (*E-10 CURIE/L)	6.730	6.530	4.910	3.200
NA/K	29.965	32.919	4.625	2.977
CA/(HC03+C03)	4.592	4.684	3.206	2.262
MG/CA	0.214	0.208	0.190	0.439
MN/CA	1.025	0.914	0.961	2.085
CL/(HC03+C03)	1.944	1.684	1.241	1.757
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	17.594	15.621	15.724	16.678
S04*100/(CL+S04+HC03+C03)	73.354	75.103	71.608	73.827
(HC03+C03)*100/(CL+S04+HC03+C03)	9.052	9.277	12.668	9.495
(NA+K)*100/(NA+K+CA+MG)	46.592	43.812	49.543	65.940
CA*100/(NA+K+CA+MG)	44.003	46.522	42.408	23.672
MG*100/(NA+K+CA+MG)	9.406	9.666	8.049	10.388
(CL+S04)*100/(CL+S04+HC03+C03)	90.948	90.723	87.332	90.505
(HC03+C03)*100/(CL+S04+HC03+C03)	9.052	9.277	12.668	9.495
(NA+K)*100/(NA+K+CA+MG)	46.592	43.812	49.543	65.940
(CA+MG)*100/(NA+K+CA+MG)	53.408	56.188	50.457	34.060

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 9		TOC 10		TOC 11		TOC 12	
	46.9	42.5	50.8	44.5	50.8	44.5	50.8	44.5
TEMP	1612.500	1348.000	1720.000	2016.000	1720.000	2016.000	1720.000	2016.000
TSM	7.60	7.40	7.50	7.40	7.50	7.40	7.50	7.40
PH(FD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	3.360	0.086	0.587	0.015	30.550	0.781	21.470	0.549
NA	198.243	8.624	127.486	5.546	221.200	9.622	282.900	12.306
NH4			0.330	0.018	TR			
CA	325.720	16.253	265.365	13.242	252.700	12.610	271.400	13.543
MG	6.989	0.575	12.560	1.034	7.327	0.603	7.508	0.618
FE	1.200	0.043	0.570	0.020	0.267	0.010	1.267	0.045
MN	0.100	0.004	0.538	0.034	0.145	0.005	0.094	0.003
ZN								
CU								
PB								
AL	0.080	0.009	0.631	0.070	0.330	0.037	1.634	0.182
CL	177.300	5.002	141.840	4.001	156.700	4.421	177.500	5.007
BR								
I								
F								
OH								
S04	903.150	18.804	711.855	14.822	866.000	18.030	1013.000	21.091
S203								
HC03	109.800	1.800	78.690	1.290	74.380	1.219	62.420	1.023
CO3							0.093	0.003
ST02 (MG/KG) (MMOL/KG)	35.003	0.583	38.157	0.635	52.905	0.881	39.878	0.664
H2O2	5.630	0.128	1.980	0.045	8.750	0.200	2.657	0.061
H3FO4								
HAS02								
CO2	2.200	0.050	12.100	0.275	.3.144	0.071	6.007	0.136
H2S								
RN (*E-10 (CURIE/L)	6.720	5.750				2.840	12.100	
NA/K	100.334	369.329				12.313	22.407	
CA/(HC03+CO3)	9.032	10.267				10.344	13.198	
MG/CA	0.035	0.078				0.048	0.046	
NA/CA	0.531	0.419				0.763	0.909	
CL/(HC03+CO3)	2.779	3.102				3.626	4.880	
CL/F								
CL*100/(CL+S04+HC03+CO3)	19.534	19.894				18.676	18.461	
S04*100/(CL+S04+HC03+CO3)	73.438	73.893				76.174	77.756	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	7.028	6.413				5.150	3.783	
(NA+K)*100/(NA+K+CA+MG)	34.104	28.033				44.053	47.584	
CA*100/(NA+K+CA+MG)	63.644	66.756				53.394	50.129	
MG*100/(NA+K+CA+MG)	2.252	5.211				2.253	2.287	
(CL+S04)*100/(CL+S04+HC03+CO3)	92.972	93.587				94.850	96.217	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	7.025	6.413				5.150	3.783	
(NA+K)*100/(NA+K+CA+MG)	34.104	28.033				44.053	47.584	
(CA+MG)*100/(NA+K+CA+MG)	65.856	71.967				55.947	52.416	

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC 13		TOC 14		TOC 15		TOC 16	
	TEMP	50.0	59.0	49.0	49.0	55.0	55.0	55.0
TSM	4501.500	4725.000	4725.000	4965.000	4965.000	3984.000	3984.000	3984.000
PH(FD)	7.00	7.00	7.00	7.00	7.00	7.40	7.40	7.40
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)	40.800	1.044	38.700	0.990	44.800	1.146	46.800	1.197
K	1695.900	73.772	1761.100	76.608	1891.300	82.272	1772.100	77.086
NA	5.200	0.288	1.400	0.078	1.600	0.089	1.700	0.094
NH4	124.380	6.207	137.750	6.874	129.210	6.448	76.000	3.792
CA	19.820	1.631	16.890	1.390	17.280	1.422	13.200	1.086
MG	7.140	0.256	1.120	0.040	2.000	0.072	6.650	0.238
FE	0.960	0.035	1.400	0.051	0.710	0.026	0.090	0.003
MN	-	-	-	-	-	-	-	-
NN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	4.500	0.500	0.840	0.093	9.640	1.072	0.320	0.036
CL	1761.200	49.683	1673.500	47.221	1409.600	39.765	1409.800	39.770
BR	0.854	0.011	-	-	-	-	-	-
I	1.986	0.016	-	-	0.450	0.024	-	-
F	-	-	-	-	-	-	-	-
OH	1617.400	33.674	175.400	3.652	2339.800	48.715	1885.300	39.252
S04	120.200	1.970	124.500	2.041	182.900	2.998	64.600	1.059
S203	-	-	-	-	-	-	-	-
HC03	35.157	0.585	27.618	0.460	35.080	0.584	34.080	0.567
C03	14.900	0.340	2.300	0.052	12.500	0.285	2.800	0.064
S102 (MG/KG) (MMOL/KG)	-	-	0.020	0.000	0.021	0.000	0.020	0.000
HB02	-	-	-	-	-	-	-	-
H3PO4	17.580	0.399	13.800	0.314	20.300	0.461	12.360	0.281
HAS02	-	-	-	-	-	-	-	-
C02	-	-	-	-	-	-	-	-
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	0.650	1.310	1.310	1.530	1.530	1.530	1.530	1.530
NA/K	70.685	77.386	77.386	71.791	71.791	64.392	64.392	64.392
CA/(HC03+C03)	3.150	3.369	3.369	2.151	2.151	3.582	3.582	3.582
MG/CA	0.263	0.263	0.263	0.221	0.221	0.286	0.286	0.286
NA/CA	11.886	11.145	11.145	12.760	12.760	20.327	20.327	20.327
CL/(HC03+C03)	25.219	23.141	23.141	13.265	13.265	37.562	37.562	37.562
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	58.227	89.242	89.242	43.470	43.470	49.663	49.663	49.663
S04*100/(CL+S04+HC03+C03)	39.465	6.902	6.902	53.253	53.253	49.015	49.015	49.015
(HC03+C03)*100/(CL+S04+HC03+C03)	2.309	3.856	3.856	3.277	3.277	1.322	1.322	1.322
(NA+K)*100/(NA+K+CA+MG)	90.518	90.376	90.376	91.379	91.379	94.134	94.134	94.134
CA*100/(NA+K+CA+MG)	7.509	8.006	8.006	7.063	7.063	4.560	4.560	4.560
MG*100/(NA+K+CA+MG)	1.973	1.619	1.619	1.558	1.558	1.306	1.306	1.306
(CL+S04)*100/(CL+S04+HC03+C03)	97.691	96.144	96.144	96.723	96.723	98.678	98.678	98.678
(HC03+C03)*100/(CL+S04+HC03+C03)	2.309	3.856	3.856	3.277	3.277	1.322	1.322	1.322
(NA+K)*100/(NA+K+CA+MG)	90.518	90.376	90.376	91.379	91.379	94.134	94.134	94.134
(CA+MG)*100/(NA+K+CA+MG)	9.482	9.482	9.482	8.621	8.621	5.866	5.866	5.866

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 17	TOC 18	TOC 19	TOC 20
TEMP	51.0	54.0	52.0	39.5
TSM	4769.000	7.30	7.30	3986.000
PH(FD)	7.20	-	-	7.20
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	44.900	23.900	23.800	21.200
NA	1454.800	1379.000	1567.130	1208.400
NH4	8.500	8.900	0.580	7.600
CA	99.780	54.600	121.100	140.130
MG	15.990	8.730	13.500	19.800
FE	10.300	44.400	6.890	14.360
MN	1.320	0.590	0.960	0.820
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.985	0.961	0.980	9.670
CL	1145.800	1066.100	1541.800	1145.300
BR	-	-	-	-
I	0.220	0.200	-	-
F	-	-	-	-
OH	-	-	-	-
SO4	1791.400	1676.400	1436.200	1641.400
S2O3	-	-	-	-
CO3	170.300	99.800	172.500	168.200
CO3	-	-	-	-
STO2 (MG/KG) (MMOL/KG)	42.004	35.311	29.695	42.158
HP02	7.900	0.810	12.400	1.840
H3PO4	0.041	0.041	0.029	-
HAS02	-	-	-	-
CO2	11.500	15.400	15.900	13.520
H2S	-	-	-	-
βRN (αE-10 CURIE/L)	0.840	1.310	1.070	3.710
NA/K	55.099	98.119	111.974	96.931
CA/(HC03+CO3)	1.784	1.666	2.137	2.536
MG/CA	0.264	0.264	0.184	0.233
NA/CA	12.710	22.017	11.281	7.517
CL/(HC03+CO3)	11.580	18.386	15.384	11.720
CL/F	2791.087	2856.638	-	-
CL*100/(CL+SO4+HC03+CO3)	44.638	45.148	57.062	46.662
SO4*100/(CL+SO4+HC03+CO3)	51.507	52.396	39.229	49.356
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	3.855	2.456	3.709	3.982
(NA+K)*100/(NA+K+CA+MG)	91.100	94.624	90.579	86.033
CA*100/(NA+K+CA+MG)	7.040	4.254	7.958	11.328
MG*100/(NA+K+CA+MG)	1.860	1.122	1.463	2.639
(CL+SO4)*100/(CL+SO4+HC03+CO3)	96.145	97.544	96.291	96.018
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	3.855	2.456	3.709	3.982
(NA+K)*100/(NA+K+CA+MG)	91.100	94.624	90.579	86.033
(CA+MG)*100/(NA+K+CA+MG)	8.500	5.376	9.421	13.967

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 21		TOC 22		TOC 23		TOC 24	
	44.5	49.0	7.30	7.30	60.0	53.5	4725.000	7.10
TEMP	4677.000							
TSM	7.30							
PH(CFD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	22.800	0.583	29.500	0.765	34.800	0.890	34.800	0.890
NA	1480.500	64.402	1581.500	68.795	1457.300	63.393	1457.200	63.388
NH4	5.200	0.288	5.900	0.327	1.400	0.078	1.400	0.078
CA	111.620	5.570	128.250	6.000	137.750	6.874	137.750	6.874
MG	11.500	0.946	10.640	0.876	16.890	1.390	16.890	1.390
FE	8.800	0.315	5.950	0.211	1.120	0.040	1.100	0.039
MN	9.200	0.335	9.300	0.339	1.400	0.051	1.400	0.051
ZN								
CU								
PB								
AL	1.510	0.168	0.500	0.100	0.840	0.093	0.840	0.093
CL	1321.600	37.282	1499.700	42.307	1673.900	47.221	1673.900	47.221
BR								
I	0.240	0.013						
IOH								
S04	1799.200	37.459	1653.000	34.415	1750.400	36.443	1754.000	36.518
S203								
HC03	118.200	1.937	97.000	1.590	124.500	2.041	124.500	2.041
C03								
SI02	29.310	0.488	74.314	1.237	27.618	0.460	27.618	0.460
HB02	3.900	0.089	9.500	0.226	21.300	0.486	21.300	0.486
H3P04	0.051	0.001					0.020	0.000
HAS02								
C02	13.500	0.307	17.590	0.400	13.800	0.314	13.800	0.314
H2S								
RN (*E-10 CURIE/L)	1.420		1.530		1.750		1.670	
NA/K	110.424		89.947		71.213		71.208	
CA/(HC03+C03)	2.875		4.025		3.569		3.569	
MG/CA	0.170		0.137		0.202		0.202	
NA/CA	11.563		10.750		9.222		9.222	
CL/(HC03+C03)	19.245		26.611		23.141		23.141	
CL/F	2951.046							
CL*100/(CL+S04+HC03+C03)	48.621		54.023		55.097		55.049	
S04*100/(CL+S04+HC03+C03)	48.852		43.947		42.522		42.572	
(HC03+C03)*100/(CL+S04+HC03+C03)	2.527		2.030		2.381		2.379	
(NA+K)*100/(NA+K+CA+MG)	90.887		90.531		88.609		88.609	
CA*100/(NA+K+CA+MG)	7.790		8.329		19.475		9.476	
MG*100/(NA+K+CA+MG)	1.324		1.140		1.916		1.916	
(CL+S04)*100/(CL+S04+HC03+C03)	97.473		97.970		97.619		97.621	
(HC03+C03)*100/(CL+S04+HC03+C03)	2.527		2.030		2.381		2.379	
(NA+K)*100/(NA+K+CA+MG)	90.887		90.531		88.609		88.609	
(CA+MG)*100/(NA+K+CA+MG)	9.113		9.469		11.391		11.391	

第42-2表 鳥取地域水質一覧表 (つづき)

NO	TOC 25		TOC 26		TOC 27		TOC 28	
	52.0	58.2	49.5	47.5	49.5	47.5	47.5	47.5
TEMP	4507.000	4575.000	3960.000	4396.300	3960.000	4396.300	4396.300	4396.300
TSM	7.20	7.20	7.10	7.10	7.10	7.10	7.10	7.10
PH(FD)								
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	29.920	0.765	17.540	0.449	32.800	0.839	6.843	0.175
NA	1581.500	68.795	1154.420	50.217	1386.480	60.399	1276.132	55.425
NH4	5.900	0.527			4.750	0.263	0.440	0.024
CA	128.250	6.400	258.576	12.903	108.600	5.419	161.075	8.038
MG	10.640	0.876	17.810	1.474	9.756	0.803	13.106	1.078
FE	5.900	0.211	1.850	0.066	1.493	0.053	0.350	0.013
MN	9.300	0.339	0.500	0.018	0.500	0.018	0.530	0.019
ZN								
CU								
PB								
AL	9.000	1.001	0.130	0.014	0.932	0.104	0.120	0.013
CL	1499.700	42.307	1028.340	29.009	1028.340	29.009	922.880	26.034
BR			0.080	0.001	0.093	0.001	0.156	0.002
I			0.160	0.001	0.140	0.001	0.328	0.003
F								
OH								
S04	1653.000	34.415	1590.120	33.106	1297.080	27.005	1565.750	32.599
S203							0.230	0.004
HCO3	97.000	1.590	189.500	3.106	771.650	12.647	251.943	4.129
CO3								
S102 (MG/KG)(MKOL/KG)								
H002	74.314	1.237	184.632	3.074	80.777	1.345	14.021	0.233
H3P04	9.900	0.226	6.590	0.160	10.800	0.246	8.800	0.201
HAS02	0.112	0.001						
C02								
H2S	17.590	0.400	4.500	0.102	49.610	1.127	23.000	0.523
RN (*E-10 CURIE/L)	1.310	1.270				1.050		6.000
INA/K	89.887	111.924				71.987		316.633
CA/(HCO3+CO3)	4.025	4.154				0.428		1.946
MG/CA	0.137	0.114				0.148		0.134
NA/CA	10.750	3.892				11.145		6.896
CL/(HCO3+CO3)	26.611	9.340				2.294		6.305
CL/F								
CL*100/(CL+S04+HCO3+CO3)	54.023	44.478				42.250		41.481
S04*100/(CL+S04+HCO3+CO3)	43.947	50.760				39.331		51.940
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	2.030	4.762				18.420		6.579
(NA+K)*100/(NA+K+CA+MG)	90.531	77.896				90.777		85.914
CA*100/(NA+K+CA+MG)	8.329	19.838				8.033		12.420
MG*100/(NA+K+CA+MG)	1.140	2.266				1.190		1.667
(CL+S04)*100/(CL+S04+HCO3+CO3)	97.970	95.238				81.580		93.421
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	2.030	4.762				18.420		6.579
(NA+K)*100/(NA+K+CA+MG)	90.531	77.896				90.777		85.914
(CA+MG)*100/(NA+K+CA+MG)	9.469	22.104				9.223		14.086

第42-2表 鳥取地域水質一覽表 (つづき)

	TOC 37	TOC 38	TOC 39	TOC 40
NO	39.0	47.1	39.5	26.0
TEMP	3575.000	1790.000	1047.500	2936.500
TSM	6.90	7.10	7.30	7.00
PH(FD)				
PH(LB)				
H (MG/KG)(MYAL/KG)				
K	40.760	26.010	16.260	0.416
NA	1040.000	526.200	326.200	789.000
INH4	0.113	TR.		
CA	118.900	36.900	7.936	123.500
MG	35.560	5.933	0.473	26.630
FE	0.830	0.030	0.181	0.642
MN	0.116	0.004	0.045	0.236
ZN				
CU			0.055	
PB				
AL	0.786	0.087	0.105	0.791
CL	709.800	20.023	169.000	751.300
BR				
I				
F				
OH				
S04	1246.000	25.942	264.900	794.500
S203				
HCO3	566.600	9.287	294.100	383.400
CO3				
SI02 (MG/KG) (MMOL/KG)	46.697	0.777	46.450	40.404
HB02	23.440	0.535	16.800	35.070
H3PO4				
HAS02				
CO2	37.840	0.860	21.980	28.300
H2S				
RN (*E-10 .CURIE/L)	2.340	3.200	4.400	5.790
INA/K	43.390	34.403	34.116	28.040
CA/(HCO3+C03)	0.839	0.281	0.082	0.981
MG/CA	0.493	0.257	0.198	0.356
NA/CA	7.625	12.431	35.832	5.569
CL/(HCO3+C03)	2.156	1.482	0.989	3.373
CL/F				
CL*100/(CL+S04+HCO3+C03)	36.240	37.418	31.566	48.147
S04*100/(CL+S04+HCO3+C03)	46.952	37.440	36.517	37.578
(HCO3+C03)*100/(CL+S04+HCO3+C03)	16.808	25.242	31.916	14.275
(NA+K)*100/(NA+K+CA+MG)	83.934	91.053	96.854	80.970
CA*100/(NA+K+CA+MG)	10.760	7.118	2.626	14.038
MG*100/(NA+K+CA+MG)	5.307	1.829	0.520	4.992
(CL+S04)*100/(CL+S04+HCO3+C03)	83.192	74.758	68.084	85.725
(HCO3+C03)*100/(CL+S04+HCO3+C03)	16.808	25.242	31.916	14.275
(NA+K)*100/(NA+K+CA+MG)	83.934	91.053	96.854	80.970
(CA+MG)*100/(NA+K+CA+MG)	16.066	8.847	3.146	19.030

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 41	TOC 42	TOC 43	TOC 44
TEMP	51.0	28.9	57.8	51.0
TSM	4451.000	870.550	4592.000	-
PH(FD)	7.00	7.50	6.90	7.10
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	71.430	16.030	0.410	88.700
NA	1362.000	263.400	11.458	1618.700
NH4	-	-	-	2.300
CA	126.300	9.588	0.478	116.640
MG	17.430	1.662	0.434	17.580
FE	0.526	0.135	0.005	6.400
MN	0.175	0.073	0.003	4.500
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.204	0.162	0.018	0.960
CL	1009.000	130.500	3.681	1499.700
BR	-	-	-	42.307
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
SO4	1529.000	204.500	4.258	1685.000
S203	-	-	-	35.082
HC03	521.300	279.300	4.578	172.800
CO3	-	-	-	2.832
S102 (MG/KG) (MMOL/KG)				
HB02	75.007	50.628	0.843	27.079
H3P04	11.040	14.020	0.320	9.600
HAS02	-	-	-	0.031
CO2	-	-	-	0.000
H2S	58.950	7.860	0.179	13.900
RN (*F-10 CURIE/L)	0.830	3.970	2.780	1.400
INA/K	32.425	27.943	35.833	31.034
CA/(HC03+CO3)	0.738	0.105	0.977	2.055
MG/CA	0.228	0.286	0.175	0.249
NA/CA	9.401	23.948	8.591	12.098
CL/(HC03+CO3)	3.331	0.804	4.006	14.938
CL/F	-	-	-	-
CL*100/(CL+SO4+HC03+CO3)	41.347	29.412	41.314	52.738
SO4*100/(CL+SO4+HC03+CO3)	46.242	34.016	48.372	43.732
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	12.411	36.573	10.314	3.531
(NA+K)*100/(NA+K+CA+MG)	88.757	95.072	88.258	90.911
CA*100/(NA+K+CA+MG)	9.159	3.833	9.995	7.280
MG*100/(NA+K+CA+MG)	2.084	1.096	1.748	1.809
(CL+SO4)*100/(CL+SO4+HC03+CO3)	87.589	63.427	89.686	96.469
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	12.411	36.573	10.314	3.531
(NA+K)*100/(NA+K+CA+MG)	88.757	95.072	88.258	90.911
(CA+MG)*100/(NA+K+CA+MG)	11.243	4.928	11.742	9.089

第42-2表 鳥取地域水質一覽表 (つづき)

	TOC 45	TOC 46	TOC 47	TOC 48
NO	39.5	49.0	45.5	38.0
TEMP	433.300	400.800	402.900	516.500
TSM	7.40	7.70	7.70	7.70
PH(F/D)	-	-	-	-
PH(L/B)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	0.928	15.250	12.800	0.327
NA	110.283	91.010	91.720	12.760
NH4	0.030	0.002	0.390	4.924
CA	-	18.700	19.590	26.880
MG	0.153	0.502	0.831	0.778
FE	0.180	0.105	0.041	0.064
MN	0.359	0.013	0.006	0.089
ZN	-	0.020	0.001	0.063
CU	-	-	0.052	0.002
PB	-	-	-	-
AL	0.036	0.004	0.067	0.300
CL	86.522	2.441	0.143	0.033
BR	-	67.500	70.150	2.546
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	127.976	2.664	99.580	2.702
S203	-	1.738	87.500	1.450
HC03	106.040	88.310	1.839	129.800
C03	-	100.800	1.652	88.480
SI02 (MG/KG) (MMOL/KG)	72.314	37.603	32.803	36.903
HPO4	3.400	5.313	4.250	4.563
H3PO4	0.357	-	-	-
HAS02	-	-	-	-
C02	1.600	2.751	3.537	3.616
H2S	-	-	-	0.082
RN (*E-10 CURIE/L)	7.540	2.900	10.700	5.090
NA/K	202.092	10.149	12.185	15.086
CA/(HC03+C03)	-	0.565	0.682	0.928
MG/CA	-	0.044	0.070	0.048
NA/CA	-	4.243	4.081	3.658
CL/(HC03+C03)	1.404	1.153	1.380	1.756
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	35.667	35.296	36.070	38.007
S04*100/(CL+S04+HC03+C03)	38.936	34.081	37.790	40.343
(HC03+C03)*100/(CL+S04+HC03+C03)	25.397	30.624	26.140	21.649
(NA+K)*100/(NA+K+CA+MG)	-	81.695	80.498	78.827
CA*100/(NA+K+CA+MG)	-	17.529	18.227	20.212
MG*100/(NA+K+CA+MG)	-	0.776	1.275	0.961
(CL+S04)*100/(CL+S04+HC03+C03)	74.603	69.376	73.860	78.351
(HC03+C03)*100/(CL+S04+HC03+C03)	25.397	30.624	26.140	21.649
(NA+K)*100/(NA+K+CA+MG)	-	81.695	80.498	78.827
(CA+MG)*100/(NA+K+CA+MG)	-	18.305	19.502	21.173

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 49		TOC 50		TOC 51		TOC 52	
	61.5	58.0	64.5	61.5	2000.000	61.5	334.600	7.40
TEMP	1885.000	1896.000	7.30	2000.000	7.20	7.20	7.40	
TSM								
PH(FD)	7.20							
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	12.500	0.320	12.200	0.312	12.490	0.319	3.220	0.082
NA	494.000	21.489	483.000	21.011	582.000	25.317	91.300	3.972
NH4	0.450	0.025	0.240	0.013	0.240	0.013	0.120	0.007
CA	278.800	13.912	272.300	13.588	265.200	13.233	53.600	2.875
MG	13.920	1.145	11.300	0.930	7.230	0.595	1.940	0.160
FE	2.010	0.072	0.880	0.032	0.680	0.024	0.800	0.029
MN	8.640	0.314	8.750	0.319	1.290	0.047	4.510	0.164
ZN								
CU								
PB								
AL	1.300	0.145	1.200	0.133	0.720	0.080	1.090	0.121
CL	873.900	24.653	947.700	26.735	1005.400	28.362	168.500	4.753
BR								
I								
F								
OH								
S04	522.600	10.881	479.400	9.981	475.700	9.904	39.900	0.831
S203								
HC03	114.900	1.883	98.000	1.606	96.500	1.582	98.400	1.613
C03								
SI02 (MG/KG)(MMOL/KG)								
HR02	64.544	1.075	34.311	0.571	65.544	1.091	68.237	1.136
H3P04	4.400	0.100	5.200	0.119	4.500	0.103	1.200	0.027
HAS02	0.847	0.009	0.071	0.001				
C02	2.850	0.065	1.890	0.043	1.840	0.042	3.670	0.083
H2S								
RN (*F=10 CURIE/L)	11.400		32.900		29.300		44.000	
NA/K	67.206		67.325		79.241		48.217	
CA/(HC03+C03)	7.367		8.459		8.367		1.658	
MG/CA	0.082		0.045		0.045		0.060	
INA/CA	1.545		1.546		1.913		1.485	
CL/(HC03+C03)	13.091		16.644		17.932		2.947	
CL/F								
CL*100/(CL+S04+HC03+C03)	65.887		69.763		71.176		66.048	
S04*100/(CL+S04+HC03+C03)	29.080		26.045		24.835		11.543	
(HC03+C03)*100/(CL+S04+HC03+C03)	5.033		4.191		3.969		22.409	
(NA+K)*100/(NA+K+CA+MG)	59.156		59.493		64.960		58.853	
CA*100/(NA+K+CA+MG)	37.737		37.912		33.532		38.829	
MG*100/(NA+K+CA+MG)	3.107		2.595		1.508		2.318	
(CL+S04)*100/(CL+S04+HC03+C03)	94.967		95.809		96.031		77.591	
(HC03+C03)*100/(CL+S04+HC03+C03)	5.033		4.191		3.969		22.409	
(NA+K)*100/(NA+K+CA+MG)	59.156		59.493		64.960		58.853	
(CA+MG)*100/(NA+K+CA+MG)	40.844		40.567		35.040		41.147	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 53		TOC 54		TOC 55		TOC 56	
	TEMP	PH(FD)	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)
	57.0	7.20	69.0	7.50	39.5	7.50	61.0	7.30
	2670.000		1897.000				889.900	
H (MG/KG) (MVAL/KG)								
K	21.000	0.537	3.900	0.100	14.850	0.380	5.200	0.133
NA	696.270	30.288	461.900	20.093	565.400	24.595	275.600	12.163
NH4	0.140	0.008	0.210	0.012	0.440	0.024	0.440	0.024
CA	296.290	14.785	273.600	13.653	220.900	11.023	85.000	4.242
MG	5.350	0.440	15.900	1.308	10.700	0.881	10.400	0.856
FE	1.040	0.037	1.200	0.043	1.800	0.064	0.800	0.029
MN	2.911	0.106	1.300	0.047	0.860	0.031	0.805	0.029
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.040	0.004	12.500	1.390	0.250	0.028	0.350	0.039
CL	983.120	27.734	895.100	25.251	947.900	26.740	400.140	11.288
BR	1.329	0.017	-	-	-	-	-	-
I	2.575	0.020	0.380	0.020	0.460	0.024	0.240	0.013
F	3.565	0.188	-	-	-	-	-	-
OH	-	-	475.300	9.896	409.800	8.532	197.500	4.112
S04	691.250	14.392	43.000	0.705	121.300	1.988	114.900	1.883
S203	158.700	2.601	-	-	-	-	-	-
HC03	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-
ST02 (MG/KG) (MMOL/KG)	-	-	45.543	0.758	66.391	1.105	4.539	0.076
HB02	-	-	2.600	0.059	6.200	0.141	2.300	0.052
H3PO4	-	-	0.051	0.001	0.010	0.000	0.010	0.000
HAS02	-	-	-	-	-	-	-	-
CO2	-	-	0.450	0.010	2.400	0.055	3.200	0.073
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	243.400		39.400		13.200		22.500	
NA/K	56.383		201.406		64.747		91.437	
CA/(HC03+CO3)	5.684		19.372		5.544		2.252	
MG/CA	0.030		0.096		0.080		0.202	
NA/CA	2.049		1.472		2.231		2.868	
CL/(HC03+CO3)	10.662		35.828		13.450		5.994	
CL/F	147.786		1262.337		1104.312		893.486	
CL*100/(CL+S04+HC03+CO3)	62.007		70.432		71.766		65.312	
S04*100/(CL+S04+HC03+CO3)	32.177		27.602		26.898		23.792	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	5.816		1.966		5.336		10.896	
(NA+K)*100/(NA+K+CA+MG)	66.938		57.441		67.722		70.693	
CA*100/(NA+K+CA+MG)	32.106		38.837		29.890		24.386	
MG*100/(NA+K+CA+MG)	0.956		3.722		2.388		4.920	
(CL+S04)*100/(CL+S04+HC03+CO3)	94.184		96.034		94.664		89.104	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	5.816		1.966		5.336		10.896	
(NA+K)*100/(NA+K+CA+MG)	66.938		57.441		67.722		70.693	
(CA+MG)*100/(NA+K+CA+MG)	33.062		42.559		32.278		29.307	

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC 57		TOC 58		TOC 59		TOC 60	
	TEMP	51.0	48.5	52.0	50.0	50.0	50.0	
TSM	2401.000	1159.000	1544.000	17.60	7.40	7.40	7.40	
PH(FD)	7.70	7.70	7.70					
PH(LR)								
H (MG/KG) (CVAL/KG)								
K	7.500	0.192	14.000	0.358	5.200	0.133	25.000	0.640
NA	581.900	25.313	405.000	17.618	368.700	16.038	522.600	22.733
NH4	0.670	0.037	0.670	0.037	0.140	0.008	0.820	0.045
CA	302.100	15.075	144.800	7.226	272.800	13.613	296.300	14.785
MG	0.980	0.081	12.070	0.993	12.070	0.993	9.200	0.757
FE	0.720	0.026	1.200	0.043	2.400	0.086	1.280	0.046
MN	0.020	0.001	1.500	0.055	0.360	0.013	4.500	0.164
ZN								
CU								
PB								
AL	1.150	0.128	2.300	0.256	9.200	1.023	1.250	0.139
CL	905.560	25.546	674.500	19.028	808.160	22.798	1179.400	33.271
BR								
I	0.280	0.015	0.490	0.026	0.800	0.042	0.250	0.013
OH								
S04	670.800	13.966	252.700	5.261	467.200	9.727	117.400	2.444
S203								
HC03	942.000	15.439	110.400	1.809	54.800	0.898	90.700	1.487
.CO3								
SI02 (MG/KG) (MMOL/KG)	30.157	0.502	42.235	0.703	29.541	0.492	30.695	0.511
H3PO4	3.800	0.087	8.600	0.196	10.600	0.242	2.000	0.046
HAS02								
.CO2								
H2S	3.600	0.082	2.100	0.048	1.200	0.027	3.890	0.088
RN (*E-10 CURIE/L)	33.700	20.800	20.800	10.800	10.800	51.800	51.800	
NA/K	131.940	49.194	120.575	35.548	120.575	35.548	35.548	
CA/(HC03+CO3)	0.976	3.993	15.156	9.946	15.156	9.946	9.946	
MG/CA	0.005	0.137	0.073	0.051	0.073	0.051	0.051	
NA/CA	1.679	2.438	1.178	1.538	1.178	1.538	1.538	
CL/(HC03+CO3)	1.655	10.516	25.383	22.381	25.383	22.381	22.381	
CL/F	1733.191	737.689	541.370	2528.182	541.370	2528.182	2528.182	
CL*100/(CL+S04+HC03+CO3)	46.488	72.908	68.210	89.434	68.210	89.434	89.434	
S04*100/(CL+S04+HC03+CO3)	25.415	20.159	29.103	6.570	29.103	6.570	6.570	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	28.096	6.933	2.687	3.996	2.687	3.996	3.996	
(NA+K)*100/(NA+K+CA+MG)	62.726	68.624	52.543	60.061	52.543	60.061	60.061	
CA*100/(NA+K+CA+MG)	37.075	27.584	44.230	37.994	44.230	37.994	37.994	
MG*100/(NA+K+CA+MG)	0.198	3.792	3.227	1.945	3.227	1.945	1.945	
(CL+S04)*100/(CL+S04+HC03+CO3)	71.904	93.067	97.313	96.004	97.313	96.004	96.004	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	28.096	6.933	2.687	3.996	2.687	3.996	3.996	
(NA+K)*100/(NA+K+CA+MG)	62.726	68.624	52.543	60.061	52.543	60.061	60.061	
(CA+MG)*100/(NA+K+CA+MG)	37.274	31.376	47.457	39.939	47.457	39.939	39.939	

第 42-2 表 鳥取地域水質一覽表 (つづき)

	TOC 61	TOC 62	TOC 63	TOC 64
NO	38.0	64.0	40.0	41.0
TEMP	1443.000	1468.000	1983.000	1863.000
TSM	7.60	7.40	7.40	7.20
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	8.200	7.400	45.223	28.501
NA	309.800	540.050	593.500	399.390
NH4	0.410	0.210	0.240	0.360
CA	143.700	257.200	296.777	235.620
MG	1.250	9.800	7.490	0.935
FE	1.620	1.080	0.896	1.936
MN	2.500	2.600	1.960	4.728
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.800	0.820	0.325	0.316
CL	368.550	937.170	1006.700	953.800
BR	-	-	-	-
I	-	0.580	-	-
F	-	-	-	-
OH	-	-	-	-
S04	458.270	486.800	399.820	287.730
S203	-	-	-	-
HC03	107.400	61.000	267.930	153.520
C03	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	40.234	33.465	-	68.929
HB02	3.600	1.200	-	3.100
H3PO4	-	-	-	0.422
HAS02	-	-	-	-
C02	0.230	0.650	-	9.000
H2S	-	-	-	-
.RN (*F-10 CURIE/L)	6.610	5.490	141.000	175.000
NA/K	64.243	124.105	22.318	23.830
CA/(HC03+C03)	4.074	12.837	3.372	4.673
MG/CA	0.014	0.063	0.042	0.007
NA/CA	1.879	1.843	1.743	1.478
CL/(HC03+C03)	5.906	26.443	6.467	10.693
CL/F	-	865.920	-	-
CL*100/(CL+S04+HC03+C03)	47.915	70.364	69.073	75.979
S04*100/(CL+S04+HC03+C03)	43.972	26.975	20.246	16.916
(HC03+C03)*100/(CL+S04+HC03+C03)	8.113	2.661	10.681	7.105
(NA+K)*100/(NA+K+CA+MG)	65.297	63.451	63.619	60.469
CA*100/(NA+K+CA+MG)	34.212	34.388	34.928	39.274
MG*100/(NA+K+CA+MG)	0.891	2.161	1.454	0.257
(CL+S04)*100/(CL+S04+HC03+C03)	91.887	97.339	89.319	92.895
(HC03+C03)*100/(CL+S04+HC03+C03)	8.113	2.661	10.681	7.105
(NA+K)*100/(NA+K+CA+MG)	65.297	63.451	63.619	60.469
CA+MG)*100/(NA+K+CA+MG)	34.703	36.549	36.381	39.531

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TEMP	TOC 65		TOC 66		TOC 67		TOC 68	
		45.0	46.5	46.5	52.5	52.5	42.5	42.5	710.000
TSN	1600.000	1292.000	7.70	1368.600	7.40	710.000	7.70		
PH(FD)	7.50								
PH(LB)									
H (MG/KG) (MVAL/KG)									
K	1.940	0.050	18.960	0.485	2.930	0.075	1.564	0.040	
NA	251.556	10.943	250.700	10.905	247.900	10.784	307.255	13.366	
NH4	0.380	0.021	TR.				0.530	0.029	
CA	187.504	9.356	128.800	6.427	151.932	7.581	50.001	2.495	
MG	8.082	0.665	3.932	0.324	18.467	1.520	3.167	0.261	
FE	1.900	0.068	0.380	0.014	0.630	0.023	0.540	0.019	
MN	0.540	0.020	0.127	0.005	0.710	0.026	0.860	0.031	
ZN									
CU									
PB									
AL	0.490	0.054	2.532	0.282	0.030	0.003	0.010	0.001	
CL	347.508	9.803	300.200	8.469	297.864	8.403	232.618	6.562	
BR	0.080	0.001			0.020	0.000			
I	0.113	0.001			0.235	0.002			
.F									
.OH									
S04	520.548	10.838	435.600	9.069	518.490	10.795	42.880	0.893	
S203									
HC03	46.850	0.768	57.360	0.940	45.140	0.740	533.419	8.743	
C03									
ST02 (MG/KG) (MMOL/KG)									
HB02	64.621	1.076	39.804	0.663	65.660	1.093	80.777	1.345	
H3P04	3.900	0.089	5.874	0.134	3.800	0.087	3.800	0.087	
HAS02							1.409	0.014	
C02									
H2S	12.000	0.273	3.080	0.070	12.000	0.273	3.800	0.086	
IRN (*E-10 CURIE/L)	10.900		7.700		1.870		57.700		
NA/K	220.507		22.486		143.879		334.080		
CA/(HC03+C03)	12.185		6.836		10.247		0.285		
MG/CA	0.071		0.050		0.200		0.104		
NA/CA	1.170		1.697		1.422		5.357		
CL/(HC03+C03)	12.787		9.008		11.357		0.751		
CL/F									
CL*100/(CL+S04+HC03+C03)	45.790		45.831		42.145		40.513		
S04*100/(CL+S04+HC03+C03)	50.623		49.081		54.144		5.512		
(HC03+C03)*100/(CL+S04+HC03+C03)	3.587		5.088		3.711		53.975		
(NA+K)*100/(NA+K+CA+MG)	52.310		62.788		54.403		82.949		
CA*100/(NA+K+CA+MG)	44.525		35.428		37.984		15.438		
MG*100/(NA+K+CA+MG)	3.165		1.784		7.614		1.613		
(CL+S04)*100/(CL+S04+HC03+C03)	96.413		94.912		96.289		46.025		
(HC03+C03)*100/(CL+S04+HC03+C03)	3.587		5.088		3.711		53.975		
(NA+K)*100/(NA+K+CA+MG)	52.310		62.788		54.403		82.949		
(CA+MG)*100/(NA+K+CA+MG)	47.690		37.212		45.597		17.051		

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 69	TOC 70	TOC 71	TOC 72
TEMP	61.7	60.8	55.0	57.0
TSM	887.500	891.200	876.100	749.400
PH(FD)	7.50	7.60	7.60	7.60
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	8.585	0.220	0.063	0.634
NA	312.250	2.445	24.790	4.602
NH4	0.140	267.250	275.000	215.700
CA	46.947	0.079	0.004	-
MG	13.045	20.472	1.022	25.700
FE	0.844	4.554	1.721	0.590
MN	-	0.060	0.107	0.107
ZN	-	-	0.005	0.004
CU	-	-	0.146	-
PB	-	-	-	-
AL	3.600	-	-	-
CL	361.510	0.400	0.122	0.049
BR	-	10.198	323.500	263.300
I	TR.	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	184.890	3.849	120.200	103.300
S203	-	115.900	178.700	76.940
HC03	220.889	3.620	1.531	1.261
CO3	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	51.466	0.857	0.978	0.937
HB02	11.300	0.258	3.443	23.700
H3PO4	0.950	0.010	0.006	0.541
HAS02	-	-	-	-
CO2	39.200	0.891	0.307	0.700
H2S	-	-	-	-
RN (*F-10 CURIE/L)	26.200	15.400	7.010	9.670
INA/K	61.852	185.878	18.864	79.706
CA/(HCO3+CO3)	0.647	0.667	0.450	1.017
MG/CA	0.458	0.367	0.108	0.038
NA/CA	5.798	11.380	9.084	7.317
CL/(HCO3+CO3)	2.817	9.740	3.116	5.890
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	57.721	79.260	62.689	68.525
S04*100/(CL+S04+HC03+CO3)	21.787	12.602	17.191	19.841
(HCO3+CO3)*100/(CL+S04+HC03+CO3)	20.491	8.138	20.120	11.634
(NA+K)*100/(NA+K+CA+MG)	80.160	89.328	89.623	87.712
CA*100/(NA+K+CA+MG)	13.605	7.898	9.369	11.840
MG*100/(NA+K+CA+MG)	6.234	2.864	1.008	0.448
(CL+S04)*100/(CL+S04+HC03+CO3)	79.509	91.862	79.880	88.366
(HCO3+CO3)*100/(CL+S04+HC03+CO3)	20.491	8.138	20.120	11.634
(NA+K)*100/(NA+K+CA+MG)	80.160	89.328	89.623	87.712
(CA+MG)*100/(NA+K+CA+MG)	19.840	10.672	10.377	12.288

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 73		TOC 74		TOC 75		TOC 76	
	67.5	48.0	48.0	45.0	53.0	53.0	53.0	53.0
TEMP	944.500	1981.000	1981.000	1522.000	2302.000	2302.000	2302.000	2302.000
TSM	7.90	7.00	7.00	7.40	7.20	7.20	7.20	7.20
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)								
K	18.500	0.473	38.900	0.995	8.400	0.215	11.400	0.292
NA	271.600	11.815	665.000	28.928	501.400	21.815	601.200	26.152
NH4	-	-	-	-	-	-	-	-
CA	24.890	1.242	130.620	6.518	92.620	4.622	127.600	6.367
MG	1.039	0.086	16.450	1.354	13.680	1.126	10.940	0.900
FE	0.190	0.007	6.200	0.222	1.700	0.061	2.500	0.090
MN	0.015	0.001	1.100	0.040	1.600	0.058	1.200	0.044
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.774	0.086	0.800	0.089	0.400	0.044	0.360	0.109
CL	346.100	9.763	1153.900	32.552	798.900	22.537	986.400	27.826
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	0.580	0.031	0.860	0.045	0.490	0.026
OH	-	-	-	-	-	-	-	-
S04	120.600	2.511	189.700	3.950	166.300	3.462	243.600	5.072
S203	-	-	-	-	-	-	-	-
HCO3	87.330	1.431	77.800	1.275	102.010	1.672	64.070	1.030
CO3	-	-	-	-	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	50.405	0.839	37.003	0.616	32.772	0.546	44.850	0.747
HB02	20.360	0.465	2.600	0.059	0.800	0.018	2.700	0.062
H3PO4	-	-	0.031	0.000	0.020	0.000	0.041	0.000
HAS02	-	-	-	-	-	-	-	-
CO2	5.823	0.132	3.200	0.073	4.350	0.099	2.900	0.066
H2S	-	-	-	-	-	-	-	-
RN (*E-10 -CURIE/L)	7.700	16.700	16.700	10.700	10.700	10.700	10.800	10.800
NA/K	24.866	29.071	29.071	101.527	101.527	89.681	89.681	89.681
CA/(HCO3+CO3)	0.868	5.112	5.112	2.764	2.764	6.063	6.063	6.063
MG/CA	0.069	0.208	0.208	0.244	0.244	0.141	0.141	0.141
NA/CA	9.512	4.438	4.438	4.720	4.720	4.107	4.107	4.107
CL/(HCO3+CO3)	6.821	25.528	25.528	13.480	13.480	26.499	26.499	26.499
CL/F	-	1066.172	1066.172	497.830	497.830	1078.808	1078.808	1078.808
CL*100/(CL+S04+HCO3+CO3)	71.237	86.169	86.169	81.445	81.445	81.367	81.367	81.367
S04*100/(CL+S04+HCO3+CO3)	18.320	10.455	10.455	12.512	12.512	14.940	14.940	14.940
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.443	3.376	3.376	6.042	6.042	3.093	3.093	3.093
(NA+K)*100/(NA+K+CA+MG)	90.250	79.172	79.172	79.309	79.309	78.442	78.442	78.442
CA*100/(NA+K+CA+MG)	9.122	17.246	17.246	16.638	16.638	18.888	18.888	18.888
MG*100/(NA+K+CA+MG)	0.628	3.582	3.582	4.053	4.053	2.670	2.670	2.670
(CL+S04)*100/(CL+S04+HCO3+CO3)	89.557	96.624	96.624	93.958	93.958	96.907	96.907	96.907
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.443	3.376	3.376	6.042	6.042	3.093	3.093	3.093
(NA+K)*100/(NA+K+CA+MG)	90.250	79.172	79.172	79.309	79.309	78.442	78.442	78.442
(CA+MG)*100/(NA+K+CA+MG)	9.750	20.828	20.828	20.691	20.691	21.558	21.558	21.558

第 42-2 表 鳥取地域水質一覽表 (つづき)

	TOC 81	TOC 82	TOC 83	TOC 84
NO	44.0	38.5	66.0	49.0
TEMP	1846.000	2992.000	1136.000	1927.000
TSM	7.00	7.00	7.40	7.00
PH(FD)				
PH(LB)				
K (MG/KG) (MVAL/KG)				
H	36.500	25.700	28.600	19.650
NA	551.800	641.700	663.200	479.900
NH4			0.010	0.001
CA	114.000	109.250	130.620	6.330
MG	11.700	0.963	1.577	0.467
FE	4.100	2.600	16.410	2.500
MN	2.300	0.147	0.940	0.090
ZN		0.084	1.410	0.182
CU				
PB				
AL	0.820	0.460	0.790	1.201
CL	996.300	1040.050	1049.800	865.400
BR			0.085	24.413
I			0.560	
F	0.420	0.420	0.480	0.350
OH				
SO4	166.800	168.900	241.600	193.500
S2O3				4.029
HC03	86.800	141.700	158.400	90.640
CO3				1.486
SI02 (MG/KG) (MMOL/KG)	34.842	25.233	32.849	66.314
HB02	2.300	0.500	0.800	1.900
H3PO4	0.005	0.005	0.002	0.003
HAS02				
CO2	4.600		1.700	4.400
H2S				0.100
RN (≒E-10 CURIE/L)	10.500	24.700	13.700	16.800
NA/K	25.709	42.461	39.434	41.531
CA/(HC03+CO3)	3.999	2.347	2.511	4.261
MG/CA	0.169	0.289	0.207	0.074
NA/CA	4.220	5.120	4.426	3.298
CL/(HC03+CO3)	19.756	12.633	11.407	16.433
CL/F	1271.241	1327.065	1172.067	1325.062
CL*100/(CL+SO4+HC03+CO3)	85.166	83.402	79.522	81.574
SO4*100/(CL+SO4+HC03+CO3)	10.523	9.996	13.507	13.462
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	4.311	6.602	6.971	4.964
(NA+K)*100/(NA+K+CA+MG)	78.944	80.258	78.989	75.874
CA*100/(NA+K+CA+MG)	18.009	15.314	17.405	22.467
MG*100/(NA+K+CA+MG)	3.048	4.429	3.606	1.659
(CL+SO4)*100/(CL+SO4+HC03+CO3)	95.689	93.398	93.029	95.036
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	4.311	6.602	6.971	4.964
(NA+K)*100/(NA+K+CA+MG)	78.944	80.258	78.989	75.874
(CA+MG)*100/(NA+K+CA+MG)	21.056	19.742	21.011	24.126

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC 85			TOC 86			TOC 87			TOC 88		
	TEMP	TSM	PH(FD)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)
H (MG/KG) (MVAL/KG)	16.800	473.800	0.430	36.500	591.200	0.934	18.000	670.900	0.460	176.740	643.320	0.163
K	54.5	1472.000	20.610	591.200	25.717	25.717	18.000	670.900	25.184	176.740	643.320	0.163
NH4	7.40	7.40	8.323	147.700	7.370	7.370	49.870	2.489	2.489	175.300	8.747	0.009
CA	166.800	15.800	1.300	15.190	1.250	1.250	17.010	1.400	1.400	13.860	1.141	0.021
MG	3.650	1.900	0.069	1.600	0.058	0.058	2.500	0.091	0.091	3.260	0.119	0.009
FE	1.900	1.900	0.069	1.600	0.058	0.058	2.500	0.091	0.091	3.260	0.119	0.009
MN	1.900	1.900	0.069	1.600	0.058	0.058	2.500	0.091	0.091	3.260	0.119	0.009
CU	2.300	2.300	0.256	0.630	0.070	0.070	0.720	0.080	0.080	0.285	0.032	0.009
PB	859.800	24.255	24.255	1085.840	30.632	30.632	996.200	28.103	28.103	1208.400	34.089	0.011
AL	0.560	0.560	0.029	0.520	0.027	0.027	0.860	0.045	0.045	1.156	0.009	0.009
CL	199.600	149.400	4.156	154.200	3.210	3.210	147.700	3.075	3.075	401.270	8.354	0.021
BR	149.400	149.400	2.449	79.100	1.296	1.296	193.040	3.164	3.164	61.720	1.012	0.009
I	28.310	2.300	0.471	42.158	0.702	0.702	51.928	0.865	0.865	72.699	1.210	0.009
F	2.300	0.020	0.052	2.100	0.048	0.048	1.200	0.027	0.027	6.900	0.157	0.009
OH	0.020	0.020	0.000	0.020	0.000	0.000	0.020	0.000	0.000	0.255	0.003	0.009
SO4	11.000	47.559	11.000	22.400	22.400	22.400	15.700	15.700	15.700	15.880	6.190	0.009
S2O3	47.559	47.559	47.559	27.544	27.544	27.544	63.383	63.383	63.383	6.190	6.190	0.009
HCO3	5.359	5.359	5.359	5.685	5.685	5.685	0.787	0.787	0.787	8.647	8.647	0.009
CO3	0.176	0.176	0.176	0.176	0.176	0.176	0.562	0.562	0.562	0.130	0.130	0.009
SI02 (MG/KG) (MMOL/KG)	2.476	2.476	2.476	3.489	3.489	3.489	11.728	11.728	11.728	3.199	3.199	0.009
H3PO4	9.905	822.804	9.905	23.627	8.882	8.882	620.777	620.777	620.777	33.698	33.698	0.009
HAS02	822.804	822.804	822.804	1119.051	1119.051	1119.051	620.777	620.777	620.777	33.698	33.698	0.009
CO2	78.599	78.599	78.599	87.174	87.174	87.174	81.833	81.833	81.833	178.447	178.447	0.009
H2S	13.467	13.467	13.467	9.137	9.137	9.137	8.934	8.934	8.934	19.226	19.226	0.009
RN (*F-10 CURIE/L)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
NA/K	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CA/(HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
MG/CA	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
NA/CA	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL/(HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL/F	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213	9.213	2.328	2.328	0.009
CL*100/(CL+SO4+HCO3+CO3)	68.616	27.144	68.616	75.560	75.560	75.560	88.405	88.405	88.405	76.676	76.676	0.009
CL*100/(CL+SO4+HCO3+CO3)	27.144	27.144	27.144	20.896	20.896	20.896	7.421	7.421	7.421	20.634	20.634	0.009
CL*100/(CL+SO4+HCO3+CO3)	4.240	4.240	4.240	3.544	3.544	3.544	4.174	4.174	4.174	2.690	2.690	0.009
CL*100/(CL+SO4+HCO3+CO3)	92.065	92.065	92.065	96.310	96.310	96.310	90.787	90.787	90.787	97.672	97.672	0.009
CL*100/(CL+SO4+HCO3+CO3)	7.935	7.935	7.935	3.690	3.690	3.690	9.213	9.213				

第42-2表 鳥取地域水質一覧表 (つづき)

INC	TOC 89	TOC 90	TOC 91	TOC 92
TEMP	55.0	50.5	53.5	46.0
TSM	1420.000	2201.700	2252.000	1430.000
PH(FD)	7.20	7.20	7.20	7.10
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	31.070	13.683	18.792	12.040
NA	482.284	529.652	682.803	440.060
NH4	1.850	0.103	0.481	19.143
CA	107.502	14.614	29.702	0.002
MG	3.233	0.393	15.010	92.730
FE	1.900	4.775	0.531	4.956
MN	0.210	2.678	0.096	2.300
ZN	-	0.486	0.326	0.600
CU	-	-	-	-
PB	-	-	-	-
AL	0.100	0.086	0.025	3.400
CL	723.930	22.422	25.868	463.500
BR	0.180	0.004	0.007	-
I	0.090	0.001	0.004	-
F	-	-	-	-
OH	-	-	-	-
S04	211.370	9.081	11.037	492.100
S203	164.700	7.134	9.163	100.990
HC03	-	-	-	-
C03	-	-	-	-
SI02 (MG/KG) (MMOL/KG)				
HB02	42.312	3.769	80.777	43.189
H3P04	4.890	59.600	3.630	1.420
HAS02	-	-	-	0.066
C02	-	-	-	-
H2S	13.200	13.400	3.900	12.800
RN (*E-10 CURIE/L)	17.800	38.600	22.400	10.900
NA/K	26.397	65.826	61.789	62.155
CA/(HC03+C03)	1.987	2.049	1.638	2.796
MG/CA	0.050	0.027	0.035	0.088
INA/CA	3.911	1.577	1.979	4.137
CL/(HC03+CC3)	7.565	3.197	2.823	7.899
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	74.202	56.445	56.152	52.351
S04*100/(CL+S04+HC03+C03)	15.990	23.273	23.958	41.021
(HC03+C03)*100/(CL+S04+HC03+CC3)	9.808	18.281	19.889	6.627
(NA+K)*100/(NA+K+CA+MG)	79.455	60.916	66.011	79.437
CA*100/(NA+K+CA+MG)	19.575	38.060	32.827	18.898
MG*100/(NA+K+CA+MG)	0.971	1.023	1.162	1.666
(CL+S04)*100/(CL+S04+HC03+C03)	90.192	81.719	80.111	93.373
(HC03+CC3)*100/(CL+S04+HC03+CC3)	9.808	18.281	19.889	6.627
(NA+K)*100/(NA+K+CA+MG)	79.455	60.916	66.011	79.437
(CA+MG)*100/(NA+K+CA+MG)	20.545	39.084	33.989	20.563

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC 93		TOC 94		TOC 95		TOC 96	
	50.0	1372.000	50.5	2126.000	52.0	2095.000	41.0	1230.000
TEMP		7.10		7.10		7.10		7.60
TSM								
PH(FD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	32.210	0.824	25.530	0.653	23.330	0.597	25.340	0.648
NA	365.300	15.891	474.800	20.654	504.000	21.924	327.900	14.264
INH4	0.080	0.004					0.110	0.006
CA	108.800	5.429	177.600	8.862	162.200	8.094	77.310	3.858
MG	0.903	0.074	33.570	2.762	15.880	1.307	10.030	0.825
FE	0.350	0.014	0.374	0.013	0.334	0.012	0.369	0.013
MN	0.469	0.017	0.274	0.010	0.237	0.009	0.237	0.009
ZN								
CU								
PB								
AL	0.393	0.099	1.670	0.186	1.628	0.181	0.089	0.010
CL	527.800	14.889	821.900	23.186	802.500	22.639	435.800	12.294
BR								
I	TR.							
F								
IOH								
S04	305.700	6.365	424.600	8.840	399.100	8.309	282.900	5.890
HCO3	67.100	1.100	68.040	1.115	71.980	1.180	87.870	1.440
CO3								
ST02 (MG/KG) (MMOL/KG)	53.997	0.899	74.938	1.248	83.623	1.392	35.134	0.585
H302	3.251	0.074	10.550	0.250	3.800	0.087	2.333	0.053
H3P04								
HAS02								
CO2	83.870	1.906	5.810	0.132	7.450	0.169	6.160	0.140
H2S								
RN (*E-10 CURIE/L)	18.100		23.100		27.300		12.600	
NA/K	15.236		31.626		36.737		22.005	
CA/(HCO3+CO3)	4.937		7.947		6.861		2.679	
MG/CA	0.014		0.312		0.161		0.214	
NA/CA	2.927		2.331		2.709		3.697	
CL/(HCO3+CO3)	13.539		20.791		19.189		8.536	
CL/F								
CL*100/(CL+S04+HCO3+CO3)	66.608		69.961		70.465		62.647	
S04*100/(CL+S04+HCO3+CO3)	28.473		26.674		25.863		30.014	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	4.920		3.365		3.672		7.339	
(NA+K)*100/(NA+K+CA+MG)	75.230		64.700		70.551		76.100	
CA*100/(NA+K+CA+MG)	24.436		26.911		25.355		19.688	
MG*100/(NA+K+CA+MG)	0.334		8.389		4.094		4.212	
(CL+S04)*100/(CL+S04+HCO3+CO3)	95.080		96.635		96.328		92.661	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	4.920		3.365		3.672		7.339	
(NA+K)*100/(NA+K+CA+MG)	75.230		64.700		70.551		76.100	
(CA+MG)*100/(NA+K+CA+MG)	24.770		33.300		29.449		23.900	

第42-2表 鳥取地域水質一覧表 (つづき)

	TOC 97	TOC 98	TOC 99	TOC100
INO	46.0	51.0	48.2	66.2
TEMP	1445.000	1521.000	2105.000	2267.000
TSM	7.20	7.20	6.90	7.90
PH(FD)				
PH(LB)				
H (MG/KG)(MVAL/KG)				
K	36.050	22.130	44.420	32.970
NA	351.300	368.100	494.800	513.200
NH4	0.063			
CA	94.410	116.200	150.000	159.700
MG	6.243	0.514	1.296	1.370
FE	0.074	0.003	0.066	0.003
MN	0.145	0.061	0.559	0.206
ZN				
CU				
PB				
AL	0.102	0.683	0.683	0.503
CL	512.100	575.900	791.700	808.200
BR				
I				
F				
OH				
SO4	284.800	248.600	395.200	405.300
S2O3				
HCO3	65.900	80.850	63.450	81.700
CO3				
SI02 (MG/KG)(MMOL/KG)	59.536	38.857	60.875	93.701
HPO4	2.178	2.393	2.091	2.514
HAS02				
CO2				
H2S	10.600	3.520	7.040	7.040
RN (*E-10 CURIE/L)	40.500	20.500	20.200	27.800
NA/K	16.571	28.286	18.943	26.470
CA/(HCO3+CO3)	4.362	4.376	7.197	5.951
MG/CA	0.109	0.049	0.173	0.172
NA/CA	3.244	2.762	2.876	2.801
CL/(HCO3+CO3)	13.375	12.260	21.476	17.026
CL=100/(CL+SO4+HCO3+CO3)	67.330	71.421	70.673	69.987
SO4=100/(CL+SO4+HCO3+CO3)	27.636	22.754	26.037	25.903
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	5.034	5.825	3.291	4.110
(NA+K)*100/(NA+K+CA+MG)	75.618	73.163	72.071	71.270
CA*100/(NA+K+CA+MG)	21.985	25.589	23.806	24.515
MG*100/(NA+K+CA+MG)	2.397	1.248	4.122	4.215
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	94.966	94.175	96.709	95.890
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	5.034	5.825	3.291	4.110
(NA+K)*100/(NA+K+CA+MG)	75.618	73.163	72.071	71.270
(CA+MG)*100/(NA+K+CA+MG)	24.382	26.837	27.929	28.730

第42-2表 鳥取地域水質一覽表 (つづき)

	TOC101	TOC102	TOC103	TOC104
NO	53.8	36.9	68.0	60.0
TEMP	1849.000	1488.000	1593.600	2238.500
TSM	7.00	7.00	7.40	6.90
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	22.870	20.800	11.840	35.100
NA	472.900	338.700	411.400	501.200
NH4	0.082	0.005	-	-
CA	114.300	77.800	91.420	188.000
MG	13.470	6.837	1.149	15.580
FE	0.217	0.852	0.563	2.635
MN	1.355	0.421	0.461	0.218
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	3.040	1.500	0.561	1.335
CL	715.700	482.200	596.000	751.600
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	338.000	241.600	270.600	526.900
S203	69.560	78.710	31.700	86.460
HC03	-	-	-	-
C03	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	77.776	53.305	77.238	114.933
HB02	2.465	4.498	7.350	2.262
H3P04	-	-	-	-
HAS02	-	-	-	-
C02	10.600	5.300	9.720	6.160
H2S	-	-	-	-
RN (*E-10 CURIE/L)	9.730	6.500	2.600	1.400
NA/K	35.163	27.691	59.088	24.282
CA/(HC03+C03)	5.003	3.009	8.780	6.620
MG/CA	0.194	0.145	0.021	0.137
NA/CA	3.607	3.795	3.923	2.324
CL/(HC03+C03)	17.709	10.544	32.360	14.962
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	71.174	68.277	73.207	63.122
S04*100/(CL+S04+H003+C03)	24.807	25.248	24.531	32.659
(HC03+C03)*100/(CL+S04+HC03+C03)	4.019	6.475	2.262	4.219
(NA+K)*100/(NA+K+CA+MG)	75.644	77.449	79.626	68.039
CA*100/(NA+K+CA+MG)	20.393	19.696	19.960	28.118
MG*100/(NA+K+CA+MG)	3.963	2.854	0.414	3.803
(CL+S04)*100/(CL+S04+HC03+C03)	95.991	93.525	97.738	95.781
(HC03+C03)*100/(CL+S04+HC03+C03)	4.019	6.475	2.262	4.219
(NA+K)*100/(NA+K+CA+MG)	75.644	77.449	79.626	68.039
(CA+MG)*100/(NA+K+CA+MG)	24.356	22.551	20.374	31.961

第 42-2 表 鳥取地域水質一覧表 (つづき)

NO	TOC105		TOC106		TOC107		TOC108	
	47.8	45.0	45.0	50.5	47.2	47.2	1604.000	7.00
TEMP	907.200	2035.300	2035.300	7.10	7.10	7.10	1604.000	7.00
TSM	7.30	7.10	7.10	7.10	7.10	7.10	1604.000	7.00
PH(FD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	16.820	0.430	33.640	0.861	29.250	0.748	19.490	0.499
NA	234.300	10.192	487.500	21.206	507.800	22.089	407.300	17.718
NH4					0.084	0.005		
CA	46.680	2.329	181.800	9.072	145.200	7.245	110.700	5.524
MG	12.400	1.020	14.600	1.201	4.381	0.361	3.650	0.300
FE	0.712	0.025	1.000	0.036	0.101	0.004	0.029	0.001
MN	0.085	0.003	0.208	0.008	0.220	0.008	0.432	0.016
ZN								
CU								
PB								
AL	0.536	0.060	1.337	0.149	1.298	0.144	1.430	0.159
CL	315.600	8.903	742.100	20.935	786.400	22.184	582.200	16.424
BR								
TI								
F								
OH								
S04	143.800	2.994	504.800	10.510	355.900	7.410	313.800	6.533
S203								
HC03	131.800	2.160	71.390	1.170	61.430	1.007	76.490	1.254
C03								
SI02 (MG/KG) (MMOL/KG)	60.159	1.002	119.626	1.992	40.619	0.676	36.803	0.613
HPO4	1.548	0.035	2.143	0.045	8.696	0.198	15.220	0.347
HPO4								
HAS02								
C02	7.040	0.160	7.040	0.160	7.074	0.161	9.432	0.214
H2S								
RN (*E-10 CURIE/L)	0.900		0.700				23.500	
NA/K	23.688		24.644		29.523		35.538	
CA/(HC03+C03)	1.078		7.753		7.196		4.406	
MG/CA	0.438		0.132		0.050		0.054	
NA/CA	4.376		2.338		3.049		3.207	
CL/(HC03+C03)	4.121		17.892		22.034		13.101	
CL/F								
CL*100/(CL+S04+HC03+C03)	63.335		64.186		72.495		67.837	
S04*100/(CL+S04+HC03+C03)	21.298		32.225		24.214		26.985	
(HC03+C03)*100/(CL+S04+HC03+C03)	15.367		3.588		3.290		5.178	
(NA+K)*100/(NA+K+CA+MG)	76.025		68.234		75.016		75.773	
CA*100/(NA+K+CA+MG)	16.671		28.051		23.800		22.978	
MG*100/(NA+K+CA+MG)	7.303		3.715		1.184		1.249	
(CL+S04)*100/(CL+S04+HC03+C03)	84.633		96.412		96.710		94.822	
(HC03+C03)*100/(CL+S04+HC03+C03)	15.367		3.588		3.290		5.178	
(NA+K)*100/(NA+K+CA+MG)	76.025		68.234		75.016		75.773	
(CA+MG)*100/(NA+K+CA+MG)	23.975		31.766		24.984		24.227	

第42-2表 鳥取地域水質一覧表 (つづき)

	TOC109	TOC110	TOC111	TOC112
NO	61.0	46.8	48.9	65.4
TEMP	1998.000	1991.000	1991.000	2102.000
TSW	6.80	7.40	7.40	7.10
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	-	-	-
K	30.550	0.781	0.921	0.941
NA	491.500	21.380	20.415	25.800
INH4	0.116	0.006	-	535.800
CA	144.500	7.231	7.500	147.400
MG	4.137	0.340	0.571	0.279
FE	0.298	0.011	0.019	3.392
MN	0.212	0.522	0.826	0.184
ZN	-	0.360	0.390	0.311
CU	-	-	-	-
PB	-	-	-	-
AL	1.707	0.190	0.134	0.279
CL	769.000	21.693	20.726	812.300
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	351.100	7.310	7.778	360.100
S203	-	-	-	-
HCO3	57.210	0.938	1.046	75.280
CO3	-	-	-	-
ST02 (MG/KG) (MMOL/KG)	70.706	1.177	0.412	89.623
HR02	12.610	0.288	0.121	7.517
H3P04	-	-	-	-
HAS02	-	-	-	-
C02	14.150	0.321	0.118	13.360
H2S	-	-	-	-
IRN (*E-10 CMFIE/L)	12.600	9.500	11.200	8.210
INA/K	27.359	22.169	22.126	35.316
CA/(HC03+C03)	7.711	7.168	7.220	5.961
MG/CA	0.047	0.076	0.062	0.038
NA/CA	2.957	2.722	2.657	3.169
CL/(HC03+C03)	23.135	19.808	19.589	18.572
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	72.454	70.137	69.472	72.410
S04*100/(CL+S04+HC03+C03)	24.414	26.322	26.945	23.691
(HC03+C03)*100/(CL+S04+HC03+C03)	3.132	3.541	3.583	3.899
(NA+K)*100/(NA+K+CA+MG)	74.537	72.555	72.328	75.842
CA*100/(NA+K+CA+MG)	24.318	25.505	26.046	23.275
MG*100/(NA+K+CA+MG)	1.145	1.940	1.626	0.883
(CL+S04)*100/(CL+S04+HC03+C03)	96.868	96.459	96.417	96.101
(HC03+C03)*100/(CL+S04+HC03+C03)	3.132	3.541	3.583	3.899
(NA+K)*100/(NA+K+CA+MG)	74.537	72.555	72.328	75.842
(CA+MG)*100/(NA+K+CA+MG)	25.463	27.445	27.672	24.158

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC113		TOC114		TOC115		TOC116	
	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)	TEMP	PH(LB)
TEMP	84.0		71.1		53.6		46.1	
TSM	2208.000		2103.000		1935.000		1410.000	
PH(DF)	7.50		7.40		7.40		7.30	
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	46.450	1.188	45.430	1.162	43.590	1.115	27.250	0.697
NA	505.700	21.998	502.700	21.867	463.200	20.149	391.700	17.039
NH4			0.202	0.011				
CA	148.800	7.425	146.800	7.325	145.700	7.270	70.610	3.523
MG	2.969	0.244	2.711	0.223	2.711	0.223	2.707	0.223
FE	0.102	0.004	0.106	0.004	0.233	0.008	0.149	0.005
MN	0.135	0.005	0.311	0.011	0.332	0.012	0.259	0.009
ZN								
CU								
PB								
AL	0.608	0.068	0.513	0.057	0.651	0.072	0.996	0.111
CL	806.600	22.754	796.000	22.455	744.600	21.005	526.200	14.844
BR								
I								
F							1.373	0.072
OH								
SO4	344.200	7.166	345.500	7.193	322.900	6.723	241.500	5.028
S2O3								
HC03	61.500	1.008	60.830	0.997	68.050	1.115	93.780	1.537
C03							0.060	0.002
SI02 (MG/KG) (MMOL/KG)								
H2O2	63.506	1.057	91.547	1.524	57.205	0.952	38.408	0.639
H3PO4	8.333	0.190	4.333	0.099	11.500	0.262	1.673	0.038
HAS02								
C02								
H2S	8.046	0.183	6.855	0.156	8.512	0.193	11.270	0.256
RN (*E-10 CURIE/L)	10.900		9.350		31.300		18.900	
INA/K	18.514		18.817		18.071		24.444	
CA/(HC03+C03)	7.566		7.547		6.519		2.289	
MG/CA	0.033		0.030		0.031		0.063	
NA/CA	2.963		2.985		2.771		4.836	
CL/(HC03+C03)	22.574		22.523		18.833		9.645	
CL/F							205.384	
CL*100/(CL+SO4+HC03+C03)	73.570		73.274		72.825		69.329	
SO4*100/(CL+SO4+HC03+C03)	23.170		23.473		23.308		23.483	
(HC03+C03)*100/(CL+SO4+HC03+C03)	3.259		3.253		3.867		7.188	
(NA+K)*100/(NA+K+CA+MG)	75.144		75.314		73.943		82.561	
CA*100/(NA+K+CA+MG)	24.064		23.956		25.282		16.402	
MG*100/(NA+K+CA+MG)	0.792		0.730		0.776		1.037	
(CL+SO4)*100/(CL+SO4+HC03+C03)	96.741		96.747		96.133		92.812	
(HC03+C03)*100/(CL+SO4+HC03+C03)	3.259		3.253		3.867		7.188	
(NA+K)*100/(NA+K+CA+MG)	75.144		75.314		73.943		82.561	
(CA+MG)*100/(NA+K+CA+MG)	24.856		24.686		26.057		17.439	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC117		TOC118		TOC119		TOC120	
	51.5	57.0	57.0	63.0	63.0	60.0	60.0	60.0
TEMP	1685.000	1654.000	1654.000	7.40	7.40	2340.000	7.40	2340.000
TSM	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
PH(FD)	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
PH(CB)	7.40	7.40	7.40	7.40	7.40	7.40	7.40	7.40
H (MG/KG)(MVAL/KG)								
K	31.090	0.795	38.200	0.977	12.390	0.317	9.920	0.254
NA	502.040	21.839	550.800	23.960	637.990	27.753	519.040	22.578
NH4	0.500	0.028	0.580	0.032	-	-	0.280	0.016
CA	108.960	5.437	66.450	3.316	108.930	5.436	128.760	6.425
MG	36.700	3.020	22.870	1.882	15.948	1.312	9.860	0.811
FE	0.400	0.014	13.500	0.498	1.680	0.060	29.600	1.060
MN	0.380	0.014	0.270	0.010	0.350	0.013	0.020	0.001
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	2.850	0.317	4.860	0.540	0.967	0.108	0.980	0.109
CL	858.050	24.206	852.240	24.042	914.540	25.799	891.540	25.150
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	0.920	0.048	0.700	0.037	0.890	0.047	0.480	0.025
OH	-	-	-	-	-	-	-	-
SO4	228.800	4.764	248.800	5.180	289.600	6.029	211.890	4.412
S2O3	-	-	-	-	-	-	-	-
HC03	132.000	2.163	107.950	1.769	168.000	2.754	81.000	1.328
CO3	-	-	-	-	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	51.735	0.861	40.227	0.670	-	-	42.004	0.699
H802	1.420	0.034	1.080	0.025	-	-	1.090	0.025
H3P04	0.004	0.000	-	-	0.004	0.000	0.003	0.000
HAS02	-	-	-	-	-	-	-	-
CO2	0.892	0.020	4.900	0.111	-	-	3.860	0.088
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	6.000	8.040	8.040	5.130	5.130	14.200	14.200	14.200
NA/K	27.460	24.520	24.520	87.565	87.565	88.977	88.977	88.977
CA/(HC03+CO3)	2.513	1.874	1.874	1.974	1.974	4.840	4.840	4.840
MG/CA	0.555	0.568	0.568	0.241	0.241	0.126	0.126	0.126
NA/CA	4.017	4.017	4.017	5.106	5.106	3.514	3.514	3.514
CL/(HC03+CO3)	11.188	13.588	13.588	19.370	19.370	18.944	18.944	18.944
CL/F	499.818	652.456	652.456	550.681	550.681	995.375	995.375	995.375
CL*100/(CL+SO4+HC03+CO3)	77.750	77.576	77.576	74.603	74.603	81.420	81.420	81.420
SO4*100/(CL+SO4+HC03+CO3)	15.301	16.715	16.715	17.435	17.435	14.282	14.282	14.282
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	6.949	5.709	5.709	7.962	7.962	4.298	4.298	4.298
(NA+K)*100/(NA+K+CA+MG)	72.799	82.751	82.751	80.619	80.619	75.933	75.933	75.933
CA*100/(NA+K+CA+MG)	17.488	11.003	11.003	15.612	15.612	21.368	21.368	21.368
MG*100/(NA+K+CA+MG)	9.714	6.245	6.245	3.769	3.769	2.698	2.698	2.698
(CL+SO4)*100/(CL+SO4+HC03+CO3)	93.051	94.291	94.291	92.038	92.038	95.702	95.702	95.702
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	6.949	5.709	5.709	7.962	7.962	4.298	4.298	4.298
(NA+K)*100/(NA+K+CA+MG)	72.799	82.751	82.751	80.619	80.619	75.933	75.933	75.933
(CA+MG)*100/(NA+K+CA+MG)	27.201	17.249	17.249	19.381	19.381	24.067	24.067	24.067

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC121		TOC122		TOC123		TOC124	
	52.0	56.0	56.0	50.0	50.0	45.0	7.20	
TEMP	1756.000	7.40	7.40	7.40	7.40	7.20		
TSM								
PH(FD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	14.770	0.378	30.200	0.773	13.060	0.334	23.800	0.609
INA	352.260	15.323	593.600	25.822	422.300	18.370	489.700	21.502
NH4	0.400	0.022			0.400	0.022	0.700	0.039
CA	99.045	4.942	115.860	5.781	104.840	5.232	128.690	6.422
MG	12.910	1.062	15.270	1.257	10.930	0.899	18.900	1.555
FE	24.100	0.863	28.600	1.024	22.300	0.806	14.500	0.519
MN	0.120	0.004	0.360	0.013	0.200	0.007	1.450	0.053
ZN								
CU								
PB								
AL	1.020	0.113	0.190	0.021	1.290	0.143	1.400	0.156
CL	593.300	16.737	893.840	25.215	710.640	20.047	856.740	24.169
BR								
I	0.720	0.038	0.870	0.046	0.730	0.038	0.890	0.047
F								
OH	219.600	4.572	369.400	7.691	146.700	3.054	211.890	4.412
S04								
S203	68.000	1.115	89.000	1.459	158.800	2.603	117.000	1.918
HCO3								
C03								
S102 (MG/KG) (MMOL/KG)	25.379	0.423	46.150	0.768	41.465	0.690	45.365	0.722
H802	0.860	0.020	0.580	0.013	0.620	0.014	0.800	0.018
H3P04			0.006	0.000				
HAS02								
C02								
H2S			5.280	0.120	3.280	0.075	4.750	0.108
RN (*E-10 CURIE/L)	13.700		12.300		9.420		9.240	
INA/K	40.558		33.425		54.988		34.990	
CA/(HCO3+C03)	4.435		3.963		2.010		3.349	
MG/CA	0.215		0.217		0.172		0.242	
NA/CA	3.100		4.466		3.511		3.317	
CL/(HCO3+C03)	15.017		17.286		17.702		12.603	
CL/F	441.600		550.589		521.692		515.877	
CL*100/(CL+S04+HCO3+C03)	74.640		73.375		77.992		79.247	
S04*100/(CL+S04+HCO3+C03)	20.390		22.380		11.882		14.465	
(HCO3+C03)*100/(CL+S04+HCO3+C03)	4.970		4.245		10.126		6.288	
(NA+K)*100/(NA+K+CA+MG)	72.336		79.074		75.313		73.310	
CA*100/(NA+K+CA+MG)	22.770		17.190		21.065		21.486	
MG*100/(NA+K+CA+MG)	4.894		3.736		3.622		5.204	
(CL+S04)*100/(CL+S04+HCO3+C03)	95.030		95.755		89.874		93.712	
(HCO3+C03)*100/(CL+S04+HCO3+C03)	4.970		4.245		10.126		6.288	
(NA+K)*100/(NA+K+CA+MG)	72.336		79.074		75.313		73.310	
(CA+MG)*100/(NA+K+CA+MG)	27.664		20.926		24.687		26.690	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC129		TOC130		TOC131		TOC132	
	52.0	48.5	42.0	52.5	1696.000	1650.000	7.20	7.20
TEMP								
TSM								
PH(FD)								
PH(LLB)								
H (MG/KG) (MVAL/KG)								
K	25.600	0.655	40.136	1.027	36.725	0.939	38.093	0.974
NA	495.990	21.576	623.856	27.138	596.375	25.942	532.917	23.182
NH4	0.680	0.027	0.863	0.048	0.438	0.024	0.453	0.025
CA	96.740	4.827	69.352	3.461	69.453	3.466	71.630	3.574
MG	10.980	0.904	21.569	1.775	25.086	2.064	19.628	1.615
FE	27.100	0.970	12.860	0.464	10.300	0.369	13.964	0.500
MN	1.010	0.037	0.350	0.013	0.532	0.019	0.298	0.011
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.740	0.082	0.863	0.096	1.135	0.126	1.367	0.152
CL	793.650	22.389	886.500	25.008	886.500	25.008	815.580	23.008
BF	-	-	TR.	-	TR.	-	TR.	-
I	-	-	0.070	0.001	0.070	0.001	0.050	0.000
F	0.820	0.043	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	175.440	3.653	288.200	6.000	284.220	5.501	288.240	6.001
S203	-	-	-	-	-	-	-	-
HCO3	168.000	2.754	182.749	2.995	143.510	2.352	96.080	1.575
C03	-	-	-	-	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	41.465	0.690	53.697	0.894	52.851	0.880	29.464	0.491
H802	0.400	0.009	0.985	0.022	2.090	0.048	1.092	0.025
H3P04	-	-	-	-	-	-	-	-
HAS02	-	-	-	-	-	-	-	-
C02	-	-	-	-	-	-	-	-
H2S	-	-	3.800	0.086	3.800	0.086	3.800	0.086
RN (*E-10 CURIE/L)	6.620	-	11.300	-	-	-	-	-
NA/K	32.947	-	26.433	-	27.615	-	23.790	-
CA/(HCO3+C03)	1.753	-	1.155	-	1.473	-	2.270	-
MG/CA	0.187	-	0.513	-	0.596	-	0.452	-
NA/CA	4.469	-	7.842	-	7.485	-	6.486	-
CL/(HCO3+C03)	8.131	-	8.349	-	10.632	-	14.610	-
CL/F	518.683	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+C03)	77.732	-	73.545	-	76.102	-	75.229	-
S04*100/(CL+S04+HCO3+C03)	12.685	-	17.646	-	16.740	-	19.622	-
(HCO3+C03)*100/(CL+S04+HCO3+C03)	9.562	-	8.809	-	7.158	-	5.149	-
(NA+K)*100/(NA+K+CA+MG)	79.504	-	84.325	-	82.938	-	82.316	-
CA*100/(NA+K+CA+MG)	17.264	-	10.361	-	10.693	-	12.180	-
MG*100/(NA+K+CA+MG)	3.231	-	5.314	-	6.369	-	5.504	-
(CL+S04)*100/(CL+S04+HCO3+C03)	90.438	-	91.191	-	92.842	-	94.851	-
(HCO3+C03)*100/(CL+S04+HCO3+C03)	9.562	-	8.809	-	7.158	-	5.149	-
(NA+K)*100/(NA+K+CA+MG)	79.504	-	84.325	-	82.938	-	82.316	-
(CA+MG)*100/(NA+K+CA+MG)	20.496	-	17.675	-	17.062	-	17.684	-

第42-2表 鳥取地域水質一覧表 (つづき)

NO	TOC133			TOC134			TOC135			TOC136				
	TEMP	TSM	PH(FD)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)		
H (MG/KG) (MVAL/KG)														
K	29.735	0.761	28.965	0.741	48.440	1.239	22.780	0.583	532.925	23.182	498.635	21.691	492.000	17.239
NA	1.375	0.076	0.756	0.042	TR.	7.779	91.160	4.549	75.700	3.260	65.328	1.017	15.550	1.873
NA4	10.750	0.885	12.356	1.017	15.550	0.280	22.760	1.873	16.750	0.800	11.631	0.417	0.645	0.023
MG	0.270	0.010	1.231	0.045	0.167	0.006	0.149	0.005						
FF														
MN														
ZN														
CU														
PB														
AL	1.325	0.147	0.938	0.104	0.662	0.074	0.934	0.104						
CL	780.120	22.007	726.930	20.507	792.000	22.342	590.300	16.652						
BR	TR.		TR.											
I	0.090	0.001	0.030	0.000										
F														
OH														
SO4	264.220	5.501	240.200	5.001	393.300	8.189	262.900	5.474						
S2O3														
HC03	128.931	2.113	130.212	2.134	76.700	1.257	98.850	1.620						
CO3														
NO3														
STO2 (MG/KG) (MMOL/KG)	49.004	0.816	47.312	0.788	60.398	1.006	80.007	1.332						
HB02	0.930	0.021	1.039	0.024	2.259	0.052	2.976	0.068						
H3PO4														
HAS02														
CO2														
H2S	11.000	0.250	10.100	0.229	3.520	0.080	5.060	0.115						
IRN (*E-10 CURIE/L)	11.600		10.500		19.000		0.900							
NA/K	30.478		29.275		17.272		29.584							
CA/(HC03+CO3)	1.788		1.527		6.188		2.608							
MG/CA	0.234		0.312		0.164		0.412							
INA/CA	6.137		6.654		2.751		3.790							
CL/(HC03+CO3)	10.414		9.609		17.773		10.278							
CL/F														
CL*100/(CL+SO4+HC03+CO3)	74.295		74.187		70.286		70.127							
SO4*100/(CL+SO4+HC03+CO3)	18.571		18.092		25.760		23.050							
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	7.134		7.721		3.955		6.823							
(NA+K)*100/(NA+K+CA+MG)	83.702		83.988		71.423		73.511							
CA*100/(NA+K+CA+MG)	13.206		12.205		24.541		18.763							
MG*100/(NA+K+CA+MG)	3.093		3.807		4.037		7.725							
(CL+SO4)*100/(CL+SO4+HC03+CO3)	92.866		92.279		96.045		93.177							
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	7.134		7.721		3.955		6.823							
(NA+K)*100/(NA+K+CA+MG)	83.702		83.988		71.423		73.511							
(CA+MG)*100/(NA+K+CA+MG)	16.298		16.012		28.577		26.489							

第 42-2 表 鳥取地域水質一覽表 (つづき)

	TOC137	TOC138	TOC139	TOC140
NO	54.0	64.5	42.0	40.0
TEMP	1893.000	1500.000	486.000	495.000
TSM	7.10	7.60	7.70	7.70
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	30.130	25.180	4.260	4.200
NA	488.200	392.200	122.200	144.900
NH4	-	-	8.660	0.124
CA	129.800	91.880	4.585	10.660
MG	3.540	3.430	0.282	-
FE	0.556	0.540	0.174	0.285
MN	0.077	0.055	1.386	0.010
ZN	-	-	-	0.041
CU	-	-	-	-
PB	-	-	-	-
AL	1.500	1.488	0.175	-
CL	768.700	589.600	102.000	109.000
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	295.500	223.600	87.700	98.700
S203	-	-	-	-
HC03	68.580	89.330	68.300	96.400
CO3	-	-	-	-
ST02 (MG/KG) (MMOL/KG)	73.707	65.306	59.928	67.914
HB02	3.522	3.418	0.773	0.800
H3PO4	-	-	4.968	4.972
HAS02	-	-	-	-
CO2	3.080	4.620	0.350	0.924
H2S	-	-	-	-
RN (*E-10 CURIE/L)	12.400	5.000	115.400	103.800
NA/K	27.554	26.487	48.781	58.669
CA/(HCO3+CO3)	5.762	3.131	0.386	0.337
MG/CA	0.005	0.062	-	-
NA/CA	3.279	3.721	12.301	11.849
CL/(HCO3+CO3)	19.292	11.360	2.570	1.946
.CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	74.876	73.104	49.417	45.827
S04*100/(CL+S04+HCO3+CO3)	21.243	20.461	31.358	30.626
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	3.881	6.435	19.225	23.548
(NA+K)*100/(NA+K+CA+MG)	76.479	78.437	-	-
CA*100/(NA+K+CA+MG)	22.509	20.312	-	-
MG*100/(NA+K+CA+MG)	1.012	1.250	-	-
(CL+S04)*100/(CL+S04+HCO3+CO3)	96.119	93.565	80.775	76.452
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	3.881	6.435	19.225	23.548
(NA+K)*100/(NA+K+CA+MG)	76.479	78.437	-	-
(CA+MG)*100/(NA+K+CA+MG)	23.521	21.563	-	-

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC141		TOC142		TOC143		TOC144	
	43.0	45.0	45.0	51.1	44.9	51.1	44.9	
TEMP	562.000	475.000	542.600	537.200	537.200	537.200	537.200	
TSM	7.50	7.50	7.90	7.90	7.90	7.90	7.90	
PH(FD)	-	-	-	-	-	-	-	
PH(CLB)	-	-	-	-	-	-	-	
H (MG/KG)(KVAL/KG)	-	-	-	-	-	-	-	
K	9.240	0.236	13.600	0.348	3.150	0.081	3.094	
NA	166.400	7.238	129.400	5.629	154.800	6.734	152.100	
NH4	0.165	0.009	0.164	0.009	-	-	-	
CA	7.980	0.398	9.560	0.497	13.400	0.669	14.130	
MG	-	-	-	-	2.784	0.229	2.780	
FE	0.249	0.009	0.366	0.013	0.122	0.004	0.088	
MN	1.115	0.041	1.240	0.045	-	-	-	
ZN	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	
AL	0.450	0.050	0.200	0.022	0.078	0.009	0.079	
CL	134.300	3.789	100.600	2.838	120.500	3.399	118.500	
BR	-	-	-	-	-	-	-	
I	-	-	-	-	-	-	-	
F	-	-	-	-	-	-	-	
IOH	-	-	-	-	-	-	-	
SO4	117.900	2.455	103.100	2.147	116.400	2.423	112.900	
S2O3	-	-	-	-	-	-	-	
HC03	97.600	1.600	88.900	1.457	116.100	1.903	118.900	
CO3	-	-	-	-	-	-	-	
SI02 (MG/KG)(MMOL/KG)	53.420	0.889	49.043	0.817	56.428	0.940	53.797	
HI02	0.733	0.017	0.809	0.018	1.503	0.043	1.516	
H3PO4	5.832	0.060	6.040	0.062	-	-	-	
HAS02	-	-	-	-	-	-	-	
CO2	0.510	0.012	0.090	0.002	1.300	0.030	1.300	
H2S	-	-	-	-	-	-	-	
RN (*F-10 CURIE/L)	58.400	136.400	181.000	200.000	200.000	200.000	200.000	
NA/K	30.625	16.180	83.570	83.598	83.598	83.598	83.598	
CA/(HC03+CO3)	0.249	0.341	0.351	0.362	0.362	0.362	0.362	
MG/CA	-	-	-	-	0.343	0.324	0.324	
NA/CA	18.178	11.326	10.071	9.384	10.071	9.384	9.384	
CL/(HC03+CO3)	2.368	1.948	1.786	1.715	1.786	1.715	1.715	
CL/F	-	-	-	-	-	-	-	
CL*100/(CL+SO4+HC03+CO3)	48.306	44.057	44.000	43.742	44.000	43.742	43.742	
SO4*100/(CL+SO4+HC03+CO3)	31.298	33.323	31.369	30.758	31.369	30.758	30.758	
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	20.396	22.620	24.631	25.500	24.631	25.500	25.500	
(NA+K)*100/(NA+K+CA+MG)	-	-	88.359	87.760	88.359	87.760	87.760	
CA*100/(NA+K+CA+MG)	-	-	8.670	9.242	8.670	9.242	9.242	
MG*100/(NA+K+CA+MG)	-	-	2.971	2.999	2.971	2.999	2.999	
(CL+SO4)*100/(CL+SO4+HC03+CO3)	79.604	77.380	75.369	74.500	75.369	74.500	74.500	
(CO3+CO3)*100/(CL+SO4+HC03+CO3)	20.396	22.620	24.631	25.500	24.631	25.500	25.500	
(NA+K)*100/(NA+K+CA+MG)	-	-	88.359	87.760	88.359	87.760	87.760	
(CA+MG)*100/(NA+K+CA+MG)	-	-	11.641	12.240	11.641	12.240	12.240	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC145		TOC146		TOC147		TOC148	
	48.8	45.0	43.1	64.0	43.1	64.0	64.0	64.0
TEMP	181.800	151.000	17.040	25.650	17.040	25.650	17.040	25.650
TSM	181.800	151.000	136.700	317.600	136.700	317.600	136.700	317.600
PH(FD)	682.100	682.100	597.250	597.250	528.400	528.400	528.400	528.400
PH(LB)	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90
H (MG/KG) (MVAL/KG)	18.110	0.463	9.774	0.250	17.040	0.436	17.040	0.436
K	181.800	7.908	151.000	6.569	136.700	5.946	136.700	5.946
NA	11.210	0.559	21.220	1.059	13.050	0.651	13.050	0.651
NH4	1.721	0.142	1.183	0.097	0.699	0.058	0.699	0.058
CA	0.185	0.007	0.081	0.003	0.478	0.017	0.478	0.017
MG	-	-	-	-	-	-	-	-
FE	-	-	-	-	-	-	-	-
MN	-	-	-	-	-	-	-	-
NN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	1.289	0.143	0.648	0.072	0.209	0.023	0.209	0.023
CL	143.000	4.034	123.400	3.481	118.100	3.332	118.100	3.332
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	148.300	3.088	149.500	3.113	106.700	2.221	106.700	2.221
S203	128.200	2.101	88.780	1.455	96.590	1.583	202.100	3.312
HC03	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-
ST02 (MG/KG) (MMOL/KG)	64.275	1.070	66.621	1.099	40.658	0.677	54.390	0.906
H802	2.381	0.054	0.750	0.017	3.725	0.085	3.285	0.075
H3F04	-	-	-	-	-	-	2.185	0.022
HAS02	27.500	0.625	3.520	0.080	1.965	0.045	9.700	0.220
C02	-	-	-	-	-	-	-	-
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	113.000	18.200	18.200	18.200	21.300	21.300	90.200	90.200
NA/K	17.071	26.272	0.728	0.411	13.642	0.293	21.056	21.056
CA/(HC03+CO3)	0.266	0.092	0.092	0.088	0.411	0.040	0.293	0.293
MG/CA	0.253	6.203	2.392	2.104	9.132	14.213	0.040	0.040
NA/CA	14.138	1.920	-	-	-	-	14.213	14.213
CL/(HC03+CO3)	1.920	-	-	-	-	-	3.181	3.181
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	43.740	43.250	43.250	43.250	46.686	46.686	67.768	67.768
S04*100/(CL+S04+HC03+CO3)	33.478	38.671	38.671	38.671	31.130	31.130	10.927	10.927
(HC03+CO3)*100/(CL+S04+HC03+CO3)	22.783	18.079	18.079	18.079	22.184	22.184	21.305	21.305
(NA+K)*100/(NA+K+CA+MG)	92.273	85.501	85.501	85.501	90.005	90.005	93.468	93.468
CA*100/(NA+K+CA+MG)	6.166	13.278	13.278	13.278	9.183	9.183	6.278	6.278
MG*100/(NA+K+CA+MG)	1.561	1.221	1.221	1.221	0.811	0.811	0.254	0.254
(CL+S04)*100/(CL+S04+HC03+CO3)	77.217	81.921	81.921	81.921	77.816	77.816	78.695	78.695
(HC03+CO3)*100/(CL+S04+HC03+CO3)	22.783	18.079	18.079	18.079	22.184	22.184	21.305	21.305
(NA+K)*100/(NA+K+CA+MG)	92.273	85.501	85.501	85.501	90.005	90.005	93.468	93.468
(CA+MG)*100/(NA+K+CA+MG)	7.727	14.499	14.499	14.499	9.995	9.995	6.532	6.532

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC149		TOC150		TOC151		TOC152	
	70.0	61.0	61.0	69.0	69.0	63.0	63.0	63.0
TEMP	1555.000	1547.000	1547.000	1524.000	1524.000	1134.000	1134.000	1134.000
TSM	6.90	-	-	7.00	7.00	7.00	7.00	7.00
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)	77.700	1.988	40.350	1.032	52.080	1.332	28.300	0.724
K	439.700	19.127	445.300	19.371	443.400	19.288	342.100	14.881
NA	0.353	0.020	-	-	0.129	0.007	1.848	0.102
NH4	37.070	1.850	41.140	2.053	36.130	1.803	24.170	1.206
CA	0.298	0.025	4.560	0.375	3.156	0.260	1.733	0.143
MG	0.161	0.006	0.401	0.014	0.149	0.005	0.159	0.006
FE	0.763	0.028	0.791	0.029	0.550	0.020	3.706	0.135
MN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.750	0.083	0.100	0.011	-	-	0.575	0.064
CL	617.600	17.422	622.700	17.566	604.200	17.044	423.500	11.947
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	135.600	2.823	120.000	2.498	132.000	2.748	84.000	1.749
S203	174.400	2.858	167.300	2.742	178.400	2.924	265.600	4.353
HC03	-	-	-	-	-	-	-	-
C03	-	-	-	-	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	114.472	1.906	84.623	1.409	87.239	1.453	48.389	0.806
HE02	0.487	0.011	5.320	0.126	5.950	0.136	3.565	0.081
H3P04	1.031	0.011	3.329	0.034	-	-	1.392	0.014
HAS02	-	-	-	-	-	-	-	-
C02	15.300	0.348	36.700	0.834	24.400	0.554	11.700	0.266
H2S	-	-	-	-	-	-	-	-
RN (*E-10 .CURIE/L)	82.500	75.300	75.300	38.500	38.500	86.500	86.500	86.500
NA/K	9.623	18.767	18.767	14.478	14.478	20.577	20.577	20.577
CA/(HC03+C03)	0.647	0.749	0.749	0.617	0.617	0.277	0.277	0.277
MG/CA	0.013	0.183	0.183	0.144	0.144	0.118	0.118	0.118
NA/CA	10.340	9.436	9.436	10.698	10.698	12.339	12.339	12.339
CL/(HC03+C03)	6.095	6.406	6.406	5.829	5.829	2.744	2.744	2.744
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	75.409	77.022	77.022	75.031	75.031	66.192	66.192	66.192
S04*100/(CL+S04+HC03+C03)	12.219	10.955	10.955	12.098	12.098	9.690	9.690	9.690
(HC03+C03)*100/(CL+S04+HC03+C03)	12.372	12.023	12.023	12.871	12.871	24.119	24.119	24.119
(NA+K)*100/(NA+K+CA+MG)	91.847	89.365	89.365	90.907	90.907	92.045	92.045	92.045
CA*100/(NA+K+CA+MG)	8.046	8.992	8.992	7.948	7.948	7.114	7.114	7.114
MG*100/(NA+K+CA+MG)	0.107	1.644	1.644	1.145	1.145	0.841	0.841	0.841
(CL+S04)*100/(CL+S04+HC03+C03)	87.628	87.977	87.977	87.129	87.129	75.881	75.881	75.881
(HC03+C03)*100/(CL+S04+HC03+C03)	12.372	12.023	12.023	12.871	12.871	24.119	24.119	24.119
(NA+K)*100/(NA+K+CA+MG)	91.847	89.365	89.365	90.907	90.907	92.045	92.045	92.045
(CA+MG)*100/(NA+K+CA+MG)	8.153	10.635	10.635	9.093	9.093	7.955	7.955	7.955

第42-2表 鳥取地域水質一覧表 (つづき)

NO	TOC153		TOC154		TOC155		TOC156	
	69.0	71.5	71.5	73.0	73.0	60.0	60.0	1007.000
TEMP	1912.000	1171.000	1171.000	1039.000	1039.000	1007.000	1007.000	7.00
TSM	6.90	7.00	7.00	7.00	7.00	7.00	7.00	7.00
PH(FD)								
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	39.840	1.019	11.730	0.300	33.040	0.865	34.990	0.895
NA	566.300	24.634	361.100	15.708	274.640	11.947	287.300	12.498
NH4	0.216	0.012	0.267	0.015				
CA	49.060	2.448	23.790	1.187	23.630	1.179	34.780	1.736
MG	1.660	0.137	1.733	0.143	6.116	0.503	8.737	0.719
FE	0.178	0.006	0.189	0.007	0.255	0.009	0.255	0.009
MN	0.867	0.032	0.927	0.034	0.388	0.014	0.312	0.011
ZN								
CU								
PR								
AL			0.413	0.046	0.550	0.061	0.350	0.039
CL	777.700	21.939	428.800	12.096	336.300	9.487	360.800	10.178
BR								
I								
F								
OH								
S04	150.000	3.123	81.600	1.699	82.600	1.720	82.600	1.720
S203					1.720	0.031	2.126	0.038
HC03	194.600	3.189	217.200	3.560	207.690	3.404	242.050	3.967
C03								
SI02 (MG/KG)(MMOL/KG)	105.856	1.762	58.082	0.967	162.630	2.708	128.165	2.134
HB02	8.734	0.199	7.500	0.171	7.090	0.162	5.530	0.126
H3PO4	1.403	0.014	3.789	0.039	0.421	0.004	0.420	0.004
HAS02								
C02	30.360	0.690	10.500	0.239	13.930	0.316	54.780	1.245
H2S					1.275	0.037		
.RN (*E-10 CURIE/L)								
NA/K	56.400	54.900	54.900	54.900	233.000	233.000	129.000	129.000
CA/(HC03+C03)	24.172	24.172	24.172	24.172	14.136	14.136	13.963	13.963
MG/CA	0.768	0.768	0.768	0.768	0.346	0.346	0.437	0.437
NA/CA	0.056	0.056	0.120	0.120	0.427	0.414	0.414	0.414
CL/(HC03+C03)	10.063	10.063	13.232	10.132	10.132	7.201	7.201	7.201
CL/F	6.878	6.878	3.358	3.358	2.787	2.566	2.566	2.566
CL*100/(CL+S04+HC03+C03)	77.656	77.656	69.699	69.699	64.932	64.932	64.154	64.154
S04*100/(CL+S04+HC03+C03)	11.054	11.054	9.789	9.789	11.770	11.770	10.840	10.840
(HC03+C03)*100/(CL+S04+HC03+C03)	11.290	11.290	20.512	20.512	23.298	23.298	25.006	25.006
(NA+K)*100/(NA+K+CA+MG)	90.847	90.847	92.330	92.330	88.377	88.377	84.511	84.511
CA*100/(NA+K+CA+MG)	8.670	8.670	6.847	6.847	8.146	8.146	10.952	10.952
MG*100/(NA+K+CA+MG)	0.484	0.484	0.823	0.823	3.477	4.537	4.537	4.537
(CL+S04)*100/(CL+S04+HC03+C03)	88.710	88.710	79.488	79.488	76.702	74.994	74.994	74.994
(HC03+C03)*100/(CL+S04+HC03+C03)	11.290	11.290	20.512	20.512	23.298	25.006	25.006	25.006
(NA+K)*100/(NA+K+CA+MG)	90.847	90.847	92.330	92.330	88.377	84.511	84.511	84.511
(CA+MG)*100/(NA+K+CA+MG)	9.153	9.153	7.670	7.670	11.623	15.489	15.489	15.489

第42-2表 鳥取地域水質一覽表 (つづき)

	TOC157	TOC158	TOC159	TOC160
NO	52.0	65.0	68.0	36.0
TEMP	755.000	1137.000	1137.000	867.000
TSM	7.20	6.40	6.90	7.50
PH(FD)	-	-	-	-
PH(CLB)	-	-	-	-
H (MG/KG) (MVAL/KG)	19.420	39.200	1.003	0.865
K	192.650	267.860	11.652	180.750
NA	-	-	-	34.600
NH4	-	-	-	6.993
CA	26.650	37.850	1.889	20.410
MG	7.208	3.058	0.252	3.495
FF	0.159	0.440	0.016	0.288
MN	0.644	0.396	0.014	0.021
ZN	-	-	0.035	0.014
CU	-	-	-	-
PB	-	-	-	-
-AL	0.540	0.659	0.073	-
CL	262.000	402.700	11.360	172.700
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	46.300	98.000	2.040	86.600
S203	-	-	-	-
HC03	156.160	93.700	1.536	156.160
C03	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	218.635	203.557	3.389	113.087
HB02	5.290	13.400	0.306	13.600
H3P04	0.380	0.642	0.007	0.712
HAS02	-	-	-	0.007
C02	4.460	52.920	1.202	35.280
H2S	-	-	-	0.802
RN (*E-10 CURIE/L)	37.500	644.000	37.100	23.300
NA/K	16.873	11.620	16.933	7.901
CA/(HC03+C03)	0.520	1.230	0.294	0.398
MG/CA	0.446	0.133	0.209	0.282
NA/CA	6.303	6.169	12.113	6.866
CL/(HC03+C03)	2.838	7.337	2.773	1.903
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	67.718	76.058	65.986	52.758
S04*100/(CL+S04+HC03+C03)	8.832	13.660	10.221	19.525
(HC03+C03)*100/(CL+S04+HC03+C03)	23.450	10.282	23.793	27.717
(NA+K)*100/(NA+K+CA+MG)	82.198	85.533	91.409	85.779
CA*100/(NA+K+CA+MG)	12.311	12.766	7.108	11.090
MG*100/(NA+K+CA+MG)	5.491	1.701	1.484	3.132
(CL+S04)*100/(CL+S04+HC03+C03)	76.550	89.718	76.207	72.283
(HC03+C03)*100/(CL+S04+HC03+C03)	23.450	10.282	23.793	27.717
(NA+K)*100/(NA+K+CA+MG)	82.198	85.533	91.409	85.779
(CA+MG)*100/(NA+K+CA+MG)	17.802	14.467	8.591	14.221

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC161		TOC162		TOC163		TOC164	
	52.5	62.0	64.0	65.0	64.0	65.0	65.0	65.0
TEMP	1175.000	1037.000	1137.000	1940.000	1137.000	1940.000	1940.000	1940.000
TSM	6.70	7.10	7.10	6.80	7.10	6.80	6.80	6.80
PH(FD)	-	-	-	-	-	-	-	-
PH(CLB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)								
K	40.760	1.043	28.400	0.726	33.230	0.850	60.350	1.544
NA	536.890	23.354	282.260	12.278	438.510	19.075	572.920	24.922
NH4	0.163	0.009	0.180	0.010	0.110	0.006	-	-
CA	41.200	2.056	21.170	1.056	25.490	1.272	62.060	3.097
MG	7.527	0.619	1.092	0.090	1.966	0.162	9.829	0.809
FE	0.230	0.008	0.190	0.007	0.230	0.008	0.560	0.020
MN	1.620	0.059	0.588	0.021	0.432	0.016	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	-	-	0.660	0.073	0.260	0.029	0.400	0.044
CL	671.400	18.940	326.300	9.205	552.000	15.572	854.200	24.097
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	101.900	2.122	71.000	1.478	86.400	1.799	158.800	3.306
S203	-	-	-	-	0.081	0.001	-	-
HCO3	374.780	6.143	220.190	3.609	249.860	4.095	187.390	3.071
CO3	-	-	-	-	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	174.477	2.905	159.399	2.654	159.399	2.654	246.330	4.101
H2O2	12.200	0.278	5.510	0.126	5.050	0.115	14.200	0.324
H3PO4	0.741	0.008	-	-	0.423	0.004	0.557	0.004
HAS02	-	-	-	-	-	-	-	-
CO2	92.840	2.109	41.780	0.949	51.060	1.160	72.420	1.645
H2S	-	-	2.530	0.074	-	-	-	-
RN (*E-10 CURIE/L)	34.200	303.000	303.000	195.000	195.000	79.300	79.300	79.300
NA/K	22.399	16.901	16.901	22.441	22.441	16.144	16.144	16.144
CA/(HCO3+CO3)	0.335	0.293	0.293	0.311	0.311	0.008	0.008	0.008
MG/CA	0.301	0.085	0.085	0.127	0.127	0.261	0.261	0.261
NA/CA	11.360	11.623	11.623	14.997	14.997	8.048	8.048	8.048
CL/(HCO3+CO3)	3.083	2.551	2.551	3.802	3.802	7.846	7.846	7.846
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	69.622	64.406	64.406	72.542	72.542	79.073	79.073	79.073
S04*100/(CL+S04+HCO3+CO3)	7.799	8.343	8.343	8.380	8.380	10.849	10.849	10.849
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	22.580	25.251	25.251	19.078	19.078	10.078	10.078	10.078
(NA+K)*100/(NA+K+CA+MG)	90.118	91.900	91.900	93.287	93.287	87.140	87.140	87.140
CA*100/(NA+K+CA+MG)	7.594	7.465	7.465	5.955	5.955	10.196	10.196	10.196
MG*100/(NA+K+CA+MG)	2.288	0.635	0.635	0.757	0.757	2.665	2.665	2.665
(CL+S04)*100/(CL+S04+HCO3+CO3)	77.420	74.749	74.749	80.922	80.922	89.922	89.922	89.922
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	22.580	25.251	25.251	19.078	19.078	10.078	10.078	10.078
(NA+K)*100/(NA+K+CA+MG)	90.118	91.900	91.900	93.287	93.287	87.140	87.140	87.140
(CA+MG)*100/(NA+K+CA+MG)	9.882	8.100	8.100	6.713	6.713	12.660	12.660	12.660

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TCC165		TCC166		TCC167		TCC168	
	52.0	56.0	50.0	58.0	50.0	58.0	50.0	58.0
TEMP	946.000	1158.000	6.90	6.90	6.90	6.90	6.90	6.90
TSW	7.50	7.00						
PH(FD)								
PH(CLB)								
H (MG/KG)(MVAL/KG)								
K	24.600	29.880	0.764	0.764	35.460	0.907	32.400	0.829
NA	263.340	251.610	10.945	10.945	455.890	19.831	251.040	10.920
NI4	0.263	0.248	0.014	0.014	0.188	0.010	0.195	0.011
CA	21.360	33.460	1.870	1.870	34.020	1.698	22.870	1.141
MG	4.764	5.242	0.431	0.431	5.461	0.449	7.527	0.619
FE	0.672	0.370	0.013	0.013	0.260	0.009	0.210	0.008
MN	0.832	0.316	0.012	0.012	1.700	0.062	0.308	0.011
ZN								
CU								
PB								
AL	0.190	0.535	0.059	0.059			0.410	0.046
.CL	322.400	321.000	9.055	9.055	595.700	16.805	324.000	9.140
IR								
T								
F								
OH								
S04	61.500	74.800	1.557	1.557	101.900	2.122	74.800	1.557
S203								
HCO3								
C03	201.450	203.010	3.327	3.327	249.860	4.095	178.020	2.918
SI02 (MG/KG)(MMOL/KG)	130.319	105.548	1.757	1.757	165.861	2.762	138.936	2.313
HR02	0.458	2.490	0.057	0.057	18.400	0.420	4.650	0.106
H3P04	0.299	0.476	0.005	0.005	0.776	0.008	0.362	0.004
HAS02								
C02	32.490	46.420	1.055	1.055	36.210	0.823	43.640	0.992
H2S								
.RN (*E-10 .CURIE/L)	133.000	327.000	66.500	66.500			371.000	
NA/K	18.204	14.320	21.863	21.863			13.176	
CA/(HCO3+C03)	0.323	0.502	0.415	0.415			0.391	
MG/CA	0.368	0.258	0.265	0.265			0.543	
NA/CA	10.747	6.555	11.682	11.682			9.569	
CL/(HCO3+C03)	2.755	2.722	4.104	4.104			3.133	
CL/F								
CL*100/(CL+S04+HCO3+C03)	66.497	64.960	72.996	72.996			67.132	
S04*100/(CL+S04+HCO3+C03)	9.362	11.172	9.216	9.216			11.438	
(HCO3+C03)*100/(CL+S04+HCO3+C03)	24.141	23.869	17.789	17.789			21.430	
(NA+K)*100/(NA+K+CA+MG)	89.235	84.787	90.618	90.618			86.968	
CA*100/(NA+K+CA+MG)	7.871	12.090	7.418	7.418			8.447	
MG*100/(NA+K+CA+MG)	2.695	3.123	1.964	1.964			4.585	
(CL+S04)*100/(CL+S04+HCO3+C03)	75.859	76.131	82.211	82.211			78.570	
(HCO3+C03)*100/(CL+S04+HCO3+C03)	24.141	23.869	17.789	17.789			21.430	
(NA+K)*100/(NA+K+CA+MG)	89.235	84.787	90.618	90.618			86.968	
(CA+MG)*100/(NA+K+CA+MG)	10.765	15.213	9.582	9.582			13.032	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC173		TOC174		TOC175		TOC176	
	TEMP	46.4	TEMP	46.5	TEMP	67.0	TEMP	51.5
TSM	1338.000	1317.000	1317.000	1317.000	1510.000	1510.000	895.000	895.000
PH(FD)	6.40	7.20	7.20	7.20	7.30	7.30	7.10	7.10
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG)(KVAL/KG)	-	-	-	-	-	-	-	-
K	37.660	0.963	20.800	0.532	34.600	0.885	26.300	0.673
NA	364.830	15.870	196.420	8.544	345.480	15.028	210.370	9.151
NH4	0.378	0.021	-	-	0.370	0.021	0.164	0.009
CA	21.920	1.094	31.000	1.547	27.030	1.349	15.120	0.754
MG	5.679	0.467	14.200	1.169	5.898	0.485	7.863	0.647
FE	0.450	0.016	0.300	0.011	0.210	0.008	0.250	0.009
MN	0.320	0.012	0.464	0.017	0.452	0.016	0.444	0.016
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	-	-	-	-	0.610	0.068	0.340	0.038
CL	476.200	13.434	269.700	7.608	421.000	11.876	249.900	7.050
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
SO4	94.200	1.961	51.000	1.062	86.400	1.799	61.500	1.280
S2O3	0.620	0.011	-	-	-	-	-	-
HC03	187.320	3.070	193.640	3.174	257.660	4.223	187.390	3.071
CO3	-	-	-	-	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	114.164	1.901	70.006	1.166	96.932	1.614	114.164	1.901
HB02	9.450	0.216	4.600	0.105	6.200	0.141	5.960	0.136
H3PO4	0.486	0.005	0.312	0.003	0.335	0.003	0.306	0.003
HAS02	-	-	-	-	-	-	-	-
CO2	55.700	1.266	32.490	0.738	30.640	0.696	23.210	0.527
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	301.000	43.800	43.800	43.800	93.800	93.800	148.000	148.000
NA/K	16.474	0.356	16.059	0.487	16.980	0.319	13.602	0.246
CA/(HC03+CO3)	0.427	0.005	0.427	0.005	0.360	0.003	0.858	0.003
MG/CA	14.509	4.376	5.523	1.142	11.142	2.812	12.129	2.295
NA/CA	4.376	-	2.397	-	-	-	-	-
CL/(HC03+CO3)	-	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	72.752	64.238	64.238	64.238	66.355	66.355	61.832	61.832
S04*100/(CL+S04+HC03+CO3)	10.621	8.965	8.965	8.965	10.050	10.050	11.230	11.230
(HC03+CO3)*100/(CL+S04+HC03+CO3)	16.627	26.797	26.797	26.797	23.595	23.595	26.938	26.938
(NA+K)*100/(NA+K+CA+MG)	91.513	76.972	76.972	76.972	89.665	89.665	87.515	87.515
CA*100/(NA+K+CA+MG)	5.946	13.118	13.118	13.118	7.600	7.600	6.721	6.721
MG*100/(NA+K+CA+MG)	2.541	9.910	9.910	9.910	2.735	2.735	5.764	5.764
(CL+S04)*100/(CL+S04+HC03+CO3)	83.373	73.203	73.203	73.203	76.405	76.405	73.062	73.062
(HC03+CO3)*100/(CL+S04+HC03+CO3)	16.627	26.797	26.797	26.797	23.595	23.595	26.938	26.938
(NA+K)*100/(NA+K+CA+MG)	91.513	76.972	76.972	76.972	89.665	89.665	87.515	87.515
(CA+MG)*100/(NA+K+CA+MG)	8.487	8.487	8.487	8.487	10.335	10.335	12.485	12.485

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC177	TOC178	TOC179	TOC180
TEMP	45.0	67.5	52.0	62.0
TSM	549.000	1125.000	1532.000	1822.000
PH(FD)	7.10	7.10	6.90	6.60
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-	-
K	31.400	0.803	0.846	1.412
NA	201.530	8.767	14.469	55.200
NH4	0.365	0.020	0.177	28.400
CA	16.640	0.830	0.010	272.240
MG	14.200	1.169	1.141	20.410
FE	0.300	0.011	1.258	0.593
MN	0.152	0.006	0.230	5.460
ZN	-	0.904	0.180	0.180
CU	-	-	0.033	0.028
PB	-	-	-	0.559
AL	0.670	-	-	-
CL	204.800	5.777	0.605	-
BR	-	0.074	-	-
I	-	0.074	-	-
F	-	0.074	-	-
OH	-	0.074	-	-
S04	78.700	1.639	1.720	1.480
S203	1.667	0.030	-	138.200
HC03	257.660	4.223	3.695	2.892
CO3	-	-	200.820	200.800
ST02 (MG/KG) (MMOL/KG)	78.622	1.309	95.701	155.091
HB02	4.800	0.110	3.830	15.900
H3P04	0.341	0.003	0.372	0.542
HAS02	-	-	-	0.006
CO2	17.640	0.401	52.920	51.060
H2S	-	-	-	-
RN (*F-10 CURIE/L)	36.400	53.600	93.800	43.600
NA/K	10.914	17.093	16.301	16.999
CA/(HC03+CO3)	0.309	0.309	0.456	0.456
MG/CA	1.407	1.103	0.582	0.300
NA/CA	10.598	12.678	11.628	16.008
CL/(HC03+CO3)	1.368	3.237	2.902	6.439
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	49.638	68.833	66.686	77.454
S04*100/(CL+S04+HC03+CO3)	14.078	9.899	10.335	10.517
(HC03+CO3)*100/(CL+S04+HC03+CO3)	36.284	21.268	22.979	12.029
(NA+K)*100/(NA+K+CA+MG)	82.722	86.455	88.635	92.878
CA*100/(NA+K+CA+MG)	7.177	6.442	7.182	5.480
MG*100/(NA+K+CA+MG)	10.101	7.103	4.183	1.642
(CL+S04)*100/(CL+S04+HC03+CO3)	63.716	78.732	77.021	87.971
(HC03+CO3)*100/(CL+S04+HC03+CO3)	36.284	21.268	22.979	12.029
(NA+K)*100/(NA+K+CA+MG)	82.722	86.455	88.635	92.878
(CA+MG)*100/(NA+K+CA+MG)	17.278	13.545	11.365	7.122

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC185		TOC186		TOC187		TOC188	
	TEMP	53.0	53.5	50.0	50.0	50.0	50.0	
TSM	1900.000	534.000	813.000	1351.000	1351.000	1351.000	1351.000	
PH(PD)	7.00	7.30	6.60	7.00	7.00	7.00	7.00	
PH(LB)	-	-	-	-	-	-	-	
H (MG/KG) (MVAL/KG)	-	-	-	-	-	-	-	
K	50.800	1.289	17.040	0.436	39.200	1.003	20.400	
NA	570.430	24.814	150.170	6.532	369.030	16.053	222.930	
NH4	0.406	0.023	-	-	0.123	0.007	-	
CA	27.970	1.356	7.560	0.377	10.580	0.528	14.740	
MG	6.330	0.521	7.520	0.619	2.840	0.234	8.300	
FE	0.180	0.006	0.190	0.007	0.230	0.008	0.250	
MN	1.360	0.050	0.852	0.031	1.140	0.041	0.464	
ZN	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	
AL	-	-	0.250	0.028	-	-	-	
CL	777.700	21.939	162.700	4.590	544.200	15.352	271.400	
BR	-	-	-	-	-	-	-	
I	-	-	-	-	-	-	-	
F	-	-	-	-	-	-	-	
OH	-	-	-	-	-	-	-	
S04	145.700	3.033	42.600	0.887	98.000	2.040	51.000	
S203	195.200	3.199	1.169	0.021	32.300	0.529	181.150	
HC03	-	-	153.880	2.522	-	-	-	
C03	-	-	-	-	-	-	-	
ST02 (MG/KG) (MMOL/KG)	206.788	3.443	80.469	1.340	88.316	1.470	156.168	
HR02	19.600	0.447	0.497	0.011	14.500	0.331	4.960	
H3P04	0.550	0.006	0.128	0.001	0.420	0.004	0.312	
HA502	-	-	-	-	-	-	-	
C02	9.280	0.211	27.000	0.613	69.630	1.582	44.570	
H2S	-	-	0.850	0.025	-	-	-	
RN (*E-10 CURTE/L)	4.770	142.000	459.000	267.000	459.000	267.000	267.000	
NA/K	19.095	14.987	16.009	18.583	16.009	18.583	18.583	
CA/(HC03+C03)	0.436	0.150	0.997	0.248	0.997	0.248	0.248	
MG/CA	0.373	1.640	0.443	0.929	0.443	0.929	0.929	
NA/CA	17.779	17.316	30.406	13.184	30.406	13.184	13.184	
CL/(HC03+C03)	6.857	1.820	28.999	2.579	28.999	2.579	2.579	
CL/F	-	-	-	-	-	-	-	
CL*100/(CL+S04+HC03+C03)	77.876	57.381	85.661	65.510	85.661	65.510	65.510	
S04*100/(CL+S04+HC03+C03)	10.768	11.088	11.385	9.085	11.385	9.085	9.085	
(HC03+C03)*100/(CL+S04+HC03+C03)	11.557	31.531	2.954	25.405	2.954	25.405	25.405	
(NA+K)*100/(NA+K+CA+MG)	93.162	87.493	95.725	87.811	95.725	87.811	87.811	
CA*100/(NA+K+CA+MG)	4.979	4.737	2.963	6.320	2.963	6.320	6.320	
MG*100/(NA+K+CA+MG)	1.858	7.770	1.312	5.869	1.312	5.869	5.869	
(CL+S04)*100/(CL+S04+HC03+C03)	88.643	68.469	97.046	74.595	97.046	74.595	74.595	
(HC03+C03)*100/(CL+S04+HC03+C03)	11.557	31.531	2.954	25.405	2.954	25.405	25.405	
(NA+K)*100/(NA+K+CA+MG)	93.162	87.493	95.725	87.811	95.725	87.811	87.811	
(CA+MG)*100/(NA+K+CA+MG)	6.838	12.507	4.275	12.189	4.275	12.189	12.189	

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC189		TOC190		TOC191		TOC192	
	50.0	676.000	50.0	1155.000	52.5	1517.000	64.5	870.000
TEMP	7.40	7.30	7.30	7.30	6.90	7.10	7.10	7.10
TSM								
PH(FD)								
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	18.100	0.463	26.200	0.670	0.980	23.900	0.611	0.611
NA	157.790	6.864	300.360	13.074	38.300	216.240	9.406	9.406
NH4	0.143	0.008			0.351	0.020	0.020	0.020
CA	6.420	0.320	45.360	2.263	43.470	31.540	1.574	1.574
MG	3.710	0.305	7.200	0.592	3.500	3.700	0.304	0.304
FE	0.180	0.006	0.280	0.010	0.370	0.250	0.009	0.009
MN	1.040	0.038	0.300	0.011	1.300	0.324	0.012	0.012
ZN								
CU								
PB								
AL								0.069
CL	172.700	4.872	415.200	11.713	544.700	278.400	7.854	7.854
BR								
I								
F								
OH								
SO4	48.100	1.001	71.000	1.478	101.900	55.700	1.160	1.160
S2O3	1.800	0.041	1.513	0.034				
HC03	131.120	2.149	207.690	3.404	23.640	184.270	3.020	3.020
CO3								
SI02 (MG/KG) (MMOL/KG)	68.929	1.148			145.398	72.160	1.201	1.201
HS02	1.800	0.041			12.200	5.100	0.116	0.116
H3PO4	0.193	0.002	0.298	0.003	0.741	0.215	0.002	0.002
HAS02								
CO2	21.350	0.435			17.640	41.780	0.949	0.949
H2S								
RN (*F-10 CURIE/L)	141.000		117.500		14.200	30.200		
NA/K	14.825	19.508	14.825	19.508	14.825	15.386	15.386	15.386
CA/(HC03+CO3)	0.149	0.655	0.149	0.655	0.149	0.521	0.521	0.521
MG/CA	0.933	0.262	0.933	0.262	0.933	0.193	0.193	0.193
NA/CA	21.426	5.776	21.426	5.776	21.426	5.977	5.977	5.977
CL/(HC03+CO3)	2.267	3.441	2.267	3.441	2.267	2.600	2.600	2.600
CL/F								
CL*100/(CL+SO4+HCO3+CO3)	60.729	70.580	60.729	70.580	60.729	65.265	65.265	65.265
SO4*100/(CL+SO4+HCO3+CO3)	12.483	8.908	12.483	8.908	12.483	9.637	9.637	9.637
(HC03+CO3)*100/(CL+SO4+HCO3+CO3)	26.788	20.512	26.788	20.512	26.788	25.098	25.098	25.098
(NA+K)*100/(NA+K+CA+MG)	92.133	82.796	92.133	82.796	92.133	84.211	84.211	84.211
CA*100/(NA+K+CA+MG)	4.028	13.635	4.028	13.635	4.028	13.230	13.230	13.230
MG*100/(NA+K+CA+MG)	3.839	3.569	3.839	3.569	3.839	2.559	2.559	2.559
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	73.212	79.488	73.212	79.488	73.212	74.902	74.902	74.902
(HC03+CO3)*100/(CL+SO4+HCO3+CO3)	26.788	20.512	26.788	20.512	26.788	25.098	25.098	25.098
(NA+K)*100/(NA+K+CA+MG)	92.133	82.796	92.133	82.796	92.133	84.211	84.211	84.211
(CA+MG)*100/(NA+K+CA+MG)	7.867	17.204	7.867	17.204	7.867	15.789	15.789	15.789

第 42-2 表 鳥取地域水質一覽表 (つづき)

NO	TOC193		TOC194		TOC195		TOC196	
	42.0	60.0	40.0	50.5	857.500	124.720	344.000	7.10
TEMP	1589.000	1861.000	7.70	7.10				
TSM	6.20	6.80						
PH(FD)								
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	47.300	1.210	68.900	1.762	2.445	0.063	5.853	0.150
NA	459.140	19.973	551.230	23.979	296.800	12.911	124.720	5.425
NR4	0.214	0.012	0.155	0.009				
CA	42.710	2.131	26.650	1.330	28.210	1.408	30.115	1.503
MG	4.800	0.395	4.600	0.379	2.107	0.173	0.125	0.010
FE	0.249	0.009	0.274	0.010	0.600	0.021	0.100	0.004
MN	0.884	0.032	1.540	0.056	0.320	0.012	0.050	0.002
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	-	-	-	-	0.100	0.011	0.241	0.027
CL	665.700	18.779	667.200	18.822	248.200	7.002	125.300	3.535
BR	-	-	-	-	-	-	0.079	0.001
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	113.400	2.361	187.100	3.895	52.840	1.100	81.668	1.700
S203	-	-	-	-	-	-	-	-
HC03	163.970	2.687	296.700	4.863	396.500	6.499	109.800	1.800
C03	-	-	-	-	-	-	-	-
S102 (MG/KG)(MMOL/KG)	165.630	2.708	183.093	3.049	26.926	0.448	74.391	1.239
HB02	8.500	0.194	11.100	0.253	1.090	0.025	0.867	0.020
H3P04	0.452	0.005	0.749	0.008	0.061	0.001	4.043	0.041
HAS02	-	-	-	-	-	-	-	-
C02	95.630	2.173	65.520	1.498	22.000	0.500	10.980	0.249
H2S	-	-	-	-	-	-	-	-
NRN (*F-10 CURTE/L)	916.000	73.500			395.850		131.200	
NA/K	16.507	13.605			206.430		36.237	
CA/(HC03+C03)	0.793	0.273			0.217		0.835	
MG/CA	0.185	0.285			0.123		0.007	
NA/CA	9.371	18.031			9.172		3.610	
CL/(HC03+C03)	6.988	5.870			1.077		1.964	
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	78.813	68.244			47.955		50.247	
S04*100/(CL+S04+HC03+C03)	9.909	14.124			17.535		24.171	
(HC03+C03)*100/(CL+S04+HC03+C03)	11.279	17.632			44.510		25.582	
(NA+K)*100/(NA+K+CA+MG)	89.345	93.776			89.137		78.654	
CA*100/(NA+K+CA+MG)	8.989	4.845			9.672		21.201	
MG*100/(NA+K+CA+MG)	1.666	1.379			1.191		0.145	
(CL+S04)*100/(CL+S04+HC03+C03)	88.721	82.368			55.490		74.418	
(HC03+C03)*100/(CL+S04+HC03+C03)	11.279	17.632			44.510		25.582	
(NA+K)*100/(NA+K+CA+MG)	89.345	93.776			89.137		78.654	
(CA+MG)*100/(NA+K+CA+MG)	10.655	6.224			10.863		21.346	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC197		TOC198		TOC199		TOC200	
	45.0	54.3	40.0	61.5	785.200	1685.000	11.270	0.288
TSM	906.200	926.000	785.200	1685.000	6.60	6.40	555.900	24.182
PH(FD)	6.80	7.50	6.60	6.40				
PH(LB)								
H (MG/KG)(MVAL/KG)								
K	7.906	13.900	20.610	0.356	20.610	0.527	11.270	0.288
NA	305.435	344.600	248.800	14.990	248.800	10.823	555.900	24.182
NH4	0.020	0.060		0.003				
CA	20.222	41.210	20.720	2.056	20.720	1.034	28.460	1.420
MG	2.968	4.245	0.903	0.349	0.903	0.074	3.286	0.270
FE	0.110	0.610	0.260	0.022	0.260	0.009	0.470	0.017
MN	0.080		0.013		0.013	0.000	0.364	0.013
ZN								
CU								
PB								
AL	1.800	3.800	0.986	0.423	0.986	0.110	1.031	0.115
CL	365.207	369.900	310.700	10.435	310.700	8.765	695.200	19.612
BR								
I								
F								
OH								
S04	108.324	164.000	90.040	3.414	90.040	1.875	159.500	3.321
S203								
HC03	145.835	264.900	117.700	4.342	117.700	1.929	205.700	3.371
C03								
SI02 (MG/KG)(MMOL/KG)	62.644	54.251	56.113	0.803	56.113	0.934	111.164	1.851
HR02	4.250	2.800	3.349	0.064	3.349	0.076	7.383	0.168
H3P04	0.158	0.317	0.397	0.003	0.397	0.004		
HAS02								
C02	23.300	1.240	37.800	0.028	37.800	0.859	48.400	1.100
H2S								
RN (*E-10 (CURIE/L)	366.100	306.900	378.000		378.000		105.000	
NA/K	65.698	42.159	20.529		20.529		83.881	
CA/(HC03+C03)	0.422	0.474	0.536		0.536		0.421	
MG/CA	0.242	0.170	0.072		0.072		0.190	
INA/CA	13.167	7.290	10.468		10.468		17.027	
CL/(HC03+C03)	4.310	2.403	4.543		4.543		5.817	
CL/F								
CL*100/(CL+S04+HC03+C03)	68.922	57.363	69.736		69.736		74.558	
S04*100/(CL+S04+HC03+C03)	15.088	18.770	14.915		14.915		12.625	
(HC03+C03)*100/(CL+S04+HC03+C03)	15.990	23.867	15.349		15.349		12.817	
(NA+K)*100/(NA+K+CA+MG)	91.498	86.448	91.104		91.104		93.538	
CA*100/(NA+K+CA+MG)	6.845	11.584	8.299		8.299		5.429	
MG*100/(NA+K+CA+MG)	1.657	1.968	0.596		0.596		1.034	
(CL+S04)*100/(CL+S04+HC03+C03)	84.010	76.133	84.651		84.651		87.183	
(HC03+C03)*100/(CL+S04+HC03+C03)	15.990	23.867	15.349		15.349		12.817	
(NA+K)*100/(NA+K+CA+MG)	91.498	86.448	91.104		91.104		93.538	
(CA+MG)*100/(NA+K+CA+MG)	8.502	13.552	8.896		8.896		6.462	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TEMP	TOC201		TOC202		TOC203		TOC204	
		45.8	51.0	12.940	0.331	18.780	0.480	8.459	0.216
TSM	1961.000	986.200	303.800	13.215	227.100	9.879	124.600	5.420	50.5
PH(FD)	7.20	7.20							480.000
PH(LB)									7.40
H (MG/KG)(KVAL/KG)									
K	21.110	0.540		0.331					
NA	544.200	23.673		13.215					
INH4									
CA	49.650	2.478		1.447					
MG	13.220	1.088		0.607					
FE	0.567	0.020		0.004					
MN	0.137	0.005							
ZN									
CU									
PB									
AL	2.390	0.266		0.126					
CL	770.100	21.725	367.300	10.362	273.400	7.713	145.800	4.113	
BR									
I									
F									
OH									
S04	171.000	3.560	117.200	2.440	60.950	1.269	57.350	1.194	
S203									
HCO3	170.000	2.786	178.600	2.927	186.300	3.053	146.400	2.399	
CO3									
SI02 (MG/KG)(MMOL/KG)	124.011	2.065	73.568	1.225	48.535	0.808	30.280	0.504	
H02	27.360	0.624	21.040	0.480	9.320	0.213	11.890	0.271	
H3PO4									
HAS02									
CO2									
H2S	10.000	0.227	15.000	0.341	136.000	3.090	22.000	0.500	
RN (*E-10 .CURIE/L)	4.940		23.900		85.400				55.900
INA/K	43.839		39.925		20.564				25.049
CA/(HC03+C03)	0.889		0.494		0.321				0.483
MG/CA	0.439		0.420		0.670				0.753
INA/CA	9.555		9.135		10.070				4.676
CL/(HC03+C03)	7.797		3.540		2.526				1.714
CL/F									
CL*100/(CL+S04+HC03+C03)	77.391		65.876		64.085				53.370
S04*100/(CL+S04+HC03+C03)	12.683		15.514		10.544				15.494
(HC03+C03)*100/(CL+S04+HC03+C03)	9.926		18.611		25.371				31.136
(NA+K)*100/(NA+K+CA+MG)	87.165		86.835		86.345				73.476
CA*100/(NA+K+CA+MG)	8.919		9.273		8.177				15.111
MG*100/(NA+K+CA+MG)	3.916		3.892		5.478				11.414
(CL+S04)*100/(CL+S04+HC03+C03)	90.074		81.389		74.629				68.864
(HC03+C03)*100/(CL+S04+HC03+C03)	9.926		18.611		25.371				31.136
(NA+K)*100/(NA+K+CA+MG)	87.165		86.835		86.345				73.476
(CA+MG)*100/(NA+K+CA+MG)	12.835		13.165		13.655				26.524

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC205		TOC206		TOC207		TOC208			
	TEMP	60.8	47.1	56.1	45.0	TSM	1175.000	477.000	663.500	867.100
-PH(PD)	6.90	7.20	7.20	7.20	7.20	PH(LB)	7.20	7.20	7.20	7.20
H (MG/KG) (MVAL/KG)	20.940	0.536	16.400	0.420	13.190	0.337	15.790	0.404		
K	308.800	13.433	112.000	4.872	164.100	7.138	226.200	9.840		
NA	TR.	TR.	TR.	TR.	TR.	TR.	0.040	0.002		
NH4	34.230	1.708	31.060	1.550	29.880	1.491	34.760	1.735		
CA	16.290	1.341	3.691	0.304	3.641	0.300	4.347	0.358		
MG	0.236	0.008	0.098	0.004	0.091	0.003	0.078	0.003		
FE	0.248	0.009	TR.	TR.	TR.	TR.	TR.	TR.		
MN	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
ZN	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
CU	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
PB	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
AL	0.400	0.044	0.153	0.017	0.147	0.016	0.199	0.022		
CL	401.500	11.326	146.300	4.127	205.700	5.803	271.700	7.665		
BR	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
I	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
F	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
OH	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
S04	109.600	2.282	57.240	1.198	60.280	1.255	86.170	1.794		
S203	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
HC03	211.900	3.473	124.400	2.039	153.500	2.516	200.900	3.293		
C03	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
SI02 (MG/KG) (MMOL/KG)	87.854	1.463	23.110	0.385	32.288	0.538	35.903	0.598		
HB02	14.210	0.324	4.419	0.101	3.914	0.089	4.062	0.093		
H3F04	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
HA502	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
C02	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
H2S	18.500	0.420	3.080	0.070	11.440	0.260	7.920	0.180		
RN (#E-10 CURIE/L)	243.000	85.500	85.500	85.500	125.800	83.900	83.900	83.900		
NA/K	25.078	11.613	11.613	21.157	21.157	24.361	24.361	24.361		
CA/(HC03+C03)	0.492	0.760	0.760	0.593	0.593	0.527	0.527	0.527		
MG/CA	0.785	0.196	0.196	0.201	0.201	0.206	0.206	0.206		
NA/CA	7.864	3.143	3.143	4.788	4.788	5.673	5.673	5.673		
-CL/(HC03+C03)	3.261	2.024	2.024	2.306	2.306	2.328	2.328	2.328		
-CL/F	TR.	TR.	TR.	TR.	TR.	TR.	TR.	TR.		
CL*100/(CL+S04+HC03+C03)	66.309	56.044	56.044	60.612	60.612	60.108	60.108	60.108		
S04*100/(CL+S04+HC03+C03)	13.359	16.268	16.268	13.109	13.109	14.069	14.069	14.069		
(HC03+C03)*100/(CL+S04+HC03+C03)	20.333	27.688	27.688	26.279	26.279	25.823	25.823	25.823		
(NA+K)*100/(NA+K+CA+MG)	82.085	74.058	74.058	80.676	80.676	83.039	83.039	83.039		
CA*100/(NA+K+CA+MG)	10.037	21.692	21.692	16.091	16.091	14.061	14.061	14.061		
MG*100/(NA+K+CA+MG)	7.877	4.251	4.251	3.233	3.233	2.900	2.900	2.900		
(CL+S04)*100/(CL+S04+HC03+C03)	79.667	72.312	72.312	73.721	73.721	74.177	74.177	74.177		
(HC03+C03)*100/(CL+S04+HC03+C03)	20.333	27.688	27.688	26.279	26.279	25.823	25.823	25.823		
(NA+K)*100/(NA+K+CA+MG)	82.085	74.058	74.058	80.676	80.676	83.039	83.039	83.039		
(CA+MG)*100/(NA+K+CA+MG)	17.915	25.942	25.942	19.324	19.324	16.561	16.561	16.561		

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC209			TOC210			TOC211			TOC212		
	TEMP	TSM	PH(FD)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)	TEMP	TSM	PH(LB)
H (MG/KG) (MVAL/KG)	15.050	0.385	7.820	0.200	11.890	0.304	17.600	0.450	51.2	17.600	0.450	51.2
K	148.000	6.438	75.340	3.277	146.300	6.364	224.100	9.748	887.500	224.100	9.748	887.500
NA												
NH4												
CA	19.160	0.956	21.370	1.066	22.080	1.102	26.530	1.324	26.530	26.530	1.324	26.530
MG	2.201	0.181	1.763	0.145	2.915	0.240	4.609	0.379	4.609	4.609	0.379	4.609
FE	0.371	0.013	0.130	0.005	0.051	0.002	0.239	0.009	0.239	0.239	0.009	0.239
MN	Tr.	0.034	0.001	0.001	0.005	0.000	0.120	0.004	0.120	0.120	0.004	0.120
ZN												
CU												
PB												
AL	1.700	0.189	0.720	0.080	0.453	0.050	0.545	0.061	0.545	0.545	0.061	0.545
CL	160.000	4.514	82.170	2.318	173.700	4.900	299.600	8.452	299.600	299.600	8.452	299.600
BR												
I												
F												
OH												
SO4	60.860	1.267	43.950	0.915	50.310	1.047	64.730	1.348	64.730	64.730	1.348	64.730
SO3												
HC03	145.200	2.380	94.210	1.544	129.000	2.114	132.600	2.173	132.600	132.600	2.173	132.600
CO3												
SI02 (MG/KG) (MMOL/KG)	36.803	0.613	29.303	0.488	51.535	0.858	61.706	1.027	61.706	61.706	1.027	61.706
HPO4	8.294	0.189	6.280	0.143	7.610	0.174	8.700	0.199	8.700	8.700	0.199	8.700
HPO4												
HAS02												
CO2												
H2S	7.040	0.160	11.000	0.250	16.280	0.370	16.280	0.370	16.280	16.280	0.370	16.280
RN (*E-10 CURIE/L)	76.700	130.000	53.000	46.000	20.924	0.521	21.653	0.609	21.653	21.653	0.609	21.653
NA/K	16.723	0.402	16.384	0.691	20.224	0.218	0.286	0.286	0.286	0.286	0.286	0.286
CA/(HC03+C03)	0.189	0.136	0.218	0.218	5.776	2.318	3.889	3.889	3.889	3.889	3.889	3.889
MG/CA	6.734	3.073	1.501	2.318	2.318	2.318	2.318	2.318	2.318	2.318	2.318	2.318
NA/CA	1.897	1.501	1.501	1.501	1.501	1.501	1.501	1.501	1.501	1.501	1.501	1.501
CL/(HC03+C03)												
CL/F												
CL*100/(CL+SO4+HC03+C03)	55.310	48.523	60.781	60.781	70.592	70.592	70.592	70.592	70.592	70.592	70.592	70.592
SO4*100/(CL+SO4+HC03+C03)	15.527	15.154	12.993	12.993	11.256	11.256	11.256	11.256	11.256	11.256	11.256	11.256
(HC03+C03)*100/(CL+SO4+HC03+C03)	29.163	32.323	26.226	26.226	18.152	18.152	18.152	18.152	18.152	18.152	18.152	18.152
(NA+K)*100/(NA+K+CA+MG)	85.714	74.163	83.250	83.250	85.690	85.690	85.690	85.690	85.690	85.690	85.690	85.690
CA*100/(NA+K+CA+MG)	12.011	22.743	13.755	13.755	11.123	11.123	11.123	11.123	11.123	11.123	11.123	11.123
MG*100/(NA+K+CA+MG)	2.275	3.094	2.995	2.995	3.187	3.187	3.187	3.187	3.187	3.187	3.187	3.187
(CL+SO4)*100/(CL+SO4+HC03+C03)	70.837	67.677	73.774	73.774	81.848	81.848	81.848	81.848	81.848	81.848	81.848	81.848
(HC03+C03)*100/(CL+SO4+HC03+C03)	29.163	32.323	26.226	26.226	18.152	18.152	18.152	18.152	18.152	18.152	18.152	18.152
(NA+K)*100/(NA+K+CA+MG)	85.714	74.163	83.250	83.250	85.690	85.690	85.690	85.690	85.690	85.690	85.690	85.690
(CA+MG)*100/(NA+K+CA+MG)	14.286	25.837	16.750	16.750	14.310	14.310	14.310	14.310	14.310	14.310	14.310	14.310

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC217		TOC218		TOC219		TOC220	
	42.5	40.2	40.2	73.5	85.2	73.5	85.2	
TEMP	977.700	418.900	9110.000	13135.000	13135.000	9110.000	13135.000	
TSM	7.80	7.50	7.40	7.40	7.40	7.40	7.40	
PH (FD)	-	-	-	-	-	-	-	
PH (LB)	-	-	-	-	-	-	-	
H (MG/KG) (MVAL/KG)	-	-	-	-	-	-	-	
K	32.840	0.840	3.839	0.098	111.900	2.862	85.600	
NA	293.100	12.750	95.940	4.173	2318.000	100.833	2735.798	
NH4	-	-	-	-	0.587	0.033	1.750	
CA	13.180	0.658	21.410	1.068	1221.000	60.928	2001.140	
MG	1.558	0.128	3.910	0.322	26.800	2.205	32.860	
FE	0.278	0.010	0.286	0.010	0.273	0.010	0.460	
MN	0.010	0.000	TR.	-	2.330	0.085	0.420	
ZN	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	
AL	0.579	0.064	0.846	0.094	0.558	0.062	1.063	
CL	315.800	8.909	106.700	3.010	5511.000	155.465	7340.220	
BR	-	-	-	-	-	-	0.320	
I	-	-	-	-	-	-	1.250	
F	-	-	-	-	-	-	-	
OH	-	-	-	-	-	-	-	
SO4	118.400	2.465	31.670	0.659	524.000	10.910	720.600	
SPO3	-	-	-	-	-	-	-	
HC03	187.900	3.080	125.100	2.050	39.000	0.639	36.600	
C03	-	-	0.120	0.004	-	-	-	
SI02 (MG/KG) (MMOL/KG)	33.318	0.555	23.216	0.387	82.084	1.367	96.701	
HR02	9.480	0.216	2.389	0.055	7.490	0.171	10.750	
H3PO4	-	-	-	-	2.879	0.029	2.001	
HAS02	-	-	-	-	-	-	-	
C02	3.143	0.071	15.050	0.342	-	-	10.700	
H2S	-	-	-	-	-	-	-	
RN (*F-10 CURIE/L)	18.800	388.600	1.800	1.800	3.500	3.500	3.500	
INA/K	15.178	42.498	35.227	35.227	54.350	54.350	54.350	
GA/(HC03+C03)	0.214	0.520	95.318	95.318	166.463	166.463	166.463	
MG/CA	0.195	0.301	0.036	0.036	0.027	0.027	0.027	
NA/CA	19.386	3.906	1.655	1.655	1.192	1.192	1.192	
CL/(HC03+C03)	2.893	1.465	243.215	243.215	345.185	345.185	345.185	
CL/F	-	-	-	-	-	-	-	
CL*100/(CL+SO4+HC03+C03)	61.637	52.588	93.085	93.085	92.993	92.993	92.993	
SO4*100/(CL+SO4+HC03+C03)	17.055	11.520	6.532	6.532	6.738	6.738	6.738	
(HC03+C03)*100/(CL+SO4+HC03+C03)	21.308	35.892	0.383	0.383	0.269	0.269	0.269	
(NA+K)*100/(NA+K+CA+MG)	94.533	75.447	62.157	62.157	54.164	54.164	54.164	
CA*100/(NA+K+CA+MG)	4.575	13.870	36.521	36.521	44.627	44.627	44.627	
MG*100/(NA+K+CA+MG)	0.892	5.683	1.322	1.322	1.208	1.208	1.208	
(CL+SO4)*100/(CL+SO4+HC03+C03)	78.692	64.108	99.617	99.617	99.731	99.731	99.731	
(CL+SO4+C03)*100/(CL+SO4+HC03+C03)	21.308	35.892	0.383	0.383	0.269	0.269	0.269	
(NA+K)*100/(NA+K+CA+MG)	94.533	75.447	62.157	62.157	54.164	54.164	54.164	
(CA+MG)*100/(CA+K+CA+MG)	5.467	24.553	37.843	37.843	45.836	45.836	45.836	

第42-2表 鳥取地域水質一覽表 (つづき)

NO	TOC221		TOC222		TOC223		TOC224	
	71.0	83.0	75.5	74.4	74.4	74.4	74.4	74.4
TEMP	9648.000	10230.000	10594.000	9939.000	9939.000	9939.000	9939.000	9939.000
TSM	7.10	7.20	7.20	7.30	7.20	7.20	7.30	7.30
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)								
K	33.430	0.855	26.390	0.675	153.900	3.937	124.900	3.195
NA	2568.000	111.708	2685.000	116.798	2157.000	93.830	1848.000	80.388
NH4	0.860	0.048	1.140	0.063	-	-	-	-
CA	1044.000	52.096	1108.000	55.289	1379.000	68.812	1441.000	71.906
MG	15.990	1.316	12.640	1.040	54.460	4.882	45.510	3.745
FE	0.270	0.010	0.290	0.010	0.221	0.008	0.212	0.008
MN	0.800	0.029	0.090	0.003	0.242	0.009	0.652	0.024
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	1.000	0.111	1.200	0.133	1.064	0.118	1.433	0.159
CL	5424.000	153.011	5747.000	162.123	5602.000	158.032	5244.000	147.933
BR	0.430	0.005	0.425	0.005	0.405	0.005	0.432	0.005
I	0.712	0.006	0.859	0.007	0.806	0.006	0.910	0.007
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
SO4	549.700	11.445	510.100	10.620	595.800	12.405	525.100	10.933
SO3	103.700	1.700	79.300	1.300	44.570	0.731	36.130	0.592
HC03	-	-	-	-	-	-	-	-
C03	-	-	-	-	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	80.930	1.347	111.010	1.848	84.392	1.405	68.806	1.146
H002	1.100	0.025	1.400	0.032	14.780	0.337	2.609	0.060
H3P04	-	-	-	-	-	-	-	-
HAS02	-	-	-	-	-	-	-	-
C02	30.200	0.686	21.700	0.493	6.288	0.143	5.306	0.121
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	7.630	13.700	13.700	3.740	3.740	1.640	1.640	1.640
NA/K	130.631	173.019	173.019	23.834	23.834	25.161	25.161	25.161
CA/(HC03+C03)	30.651	42.559	42.559	94.198	94.198	121.428	121.428	121.428
MG/CA	0.025	0.019	0.019	0.065	0.065	0.052	0.052	0.052
INA/CA	2.144	2.112	2.112	1.364	1.364	1.118	1.118	1.118
CL/(HC03+C03)	90.025	124.736	124.736	216.334	216.334	249.815	249.815	249.815
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+SO4+HC03+C03)	92.089	93.151	93.151	92.326	92.326	92.773	92.773	92.773
SO4*100/(CL+SO4+HC03+C03)	6.888	6.102	6.102	7.247	7.247	6.856	6.856	6.856
(HC03+C03)*100/(CL+SO4+HC03+C03)	1.023	0.747	0.747	0.427	0.427	0.371	0.371	0.371
(NA+K)*100/(NA+K+CA+MG)	67.820	67.590	67.590	57.153	57.153	52.491	52.491	52.491
CA*100/(NA+K+CA+MG)	31.388	31.812	31.812	40.227	40.227	45.157	45.157	45.157
MG*100/(NA+K+CA+MG)	0.793	0.598	0.598	2.620	2.620	2.352	2.352	2.352
(CL+SO4)*100/(CL+SO4+HC03+C03)	98.977	99.253	99.253	99.573	99.573	99.629	99.629	99.629
(HC03+C03)*100/(CL+SO4+HC03+C03)	1.023	0.747	0.747	0.427	0.427	0.371	0.371	0.371
(NA+K)*100/(NA+K+CA+MG)	67.820	67.590	67.590	57.153	57.153	52.491	52.491	52.491
(CA+MG)*100/(NA+K+CA+MG)	32.180	32.410	32.410	42.847	42.847	47.509	47.509	47.509

第42-2表 鳥取地域水質一覽表(つづき)

	TOC225	TOC226	TOC227
NO	85.0	72.9	35.8
TEMP	9642.000	10522.000	603.000
TSM	7.50	7.50	8.50
PH(FD)	-	-	-
PH(LB)	-	-	-
H (MG/KG) (MVAL/KG)	-	-	-
K	118.300	184.300	18.330
NA	1963.000	2173.000	183.700
NH4	0.077	0.004	7.991
CA	1428.000	1299.000	2.268
MG	50.960	84.370	1.577
FE	0.096	0.233	0.130
MN	1.083	0.039	0.005
ZN	-	-	-
CU	-	-	-
PB	-	-	-
AL	1.487	1.064	0.350
CL	5432.000	5603.000	220.200
BR	0.410	0.625	6.212
I	0.900	1.487	-
F	-	-	-
OH	-	-	-
SO4	486.500	595.800	0.003
S2O3	-	-	1.084
HC03	43.020	46.930	1.420
C03	-	0.087	0.034
SI02 (MG/KG) (MMOL/KG)	-	12.405	-
SI02	74.107	73.984	37.202
HI02	10.430	9.287	2.620
H3PO4	-	-	-
HAS02	-	-	-
C02	5.502	3.692	1.043
H2S	-	-	0.024
RN (*F-10 CURIE/L)	6.400	3.250	7.330
NA/K	28.218	20.050	17.043
CA/(HC03+C03)	101.060	83.955	0.078
MG/CA	0.059	0.107	1.147
NA/CA	1.198	1.458	70.608
CL/(HC03+C03)	217.327	204.720	4.271
CL/F	-	-	-
CL*100/(CL+SO4+HC03+C03)	93.397	92.305	70.989
SO4*100/(CL+SO4+HC03+C03)	6.174	7.244	12.391
(HC03+C03)*100/(CL+SO4+HC03+C03)	0.430	0.451	16.620
(NA+K)*100/(NA+K+CA+MG)	53.956	58.034	97.208
CA*100/(NA+K+CA+MG)	43.485	37.906	1.300
MG*100/(NA+K+CA+MG)	2.559	4.060	1.491
(CL+SO4)*100/(CL+SO4+HC03+C03)	99.570	99.549	83.380
(HC03+C03)*100/(CL+SO4+HC03+C03)	0.430	0.451	16.620
(NA+K)*100/(NA+K+CA+MG)	53.956	58.034	97.208
(CA+MG)*100/(NA+K+CA+MG)	46.044	41.966	2.792

第 42-3 表 鳥取地域特定成分含量の頻度分布表

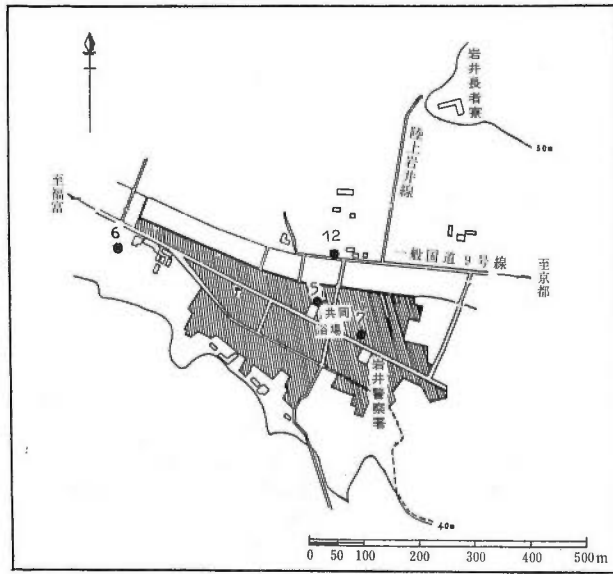
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

ZN				CU		
ND	N 227	F(%) 100.0	ND	N 226	F(%) 99.6	
<0.500	0	0.0	<0.300	1	0.4	
<5.000	0	0.0	<3.000	0	0.0	
>5.000	0	0.0	>3.000	0	0.0	
TOTAL	227	100.0*	TOTAL	227	100.0	
PB			AS			
ND	N 227	F(%) 100.0	ND	N 227	F(%) 100.0	
<0.100	0	0.0	<0.050	0	0.0	
<1.000	0	0.0	<0.500	0	0.0	
>1.000	0	0.0	<5.000	0	0.0	
TOTAL	227	100.0	>5.000	0	0.0	
			TOTAL	227	100.0	
H2S						
ND	N 224	F(%) 98.7				
< 1.000	1	0.4				N= NUMBER OF SAMPLES
< 10.000	2	0.9				F= FREQUENCY (%)
<100.000	0	0.0				
>100.000	0	0.0				
TOTAL	227	100.0				

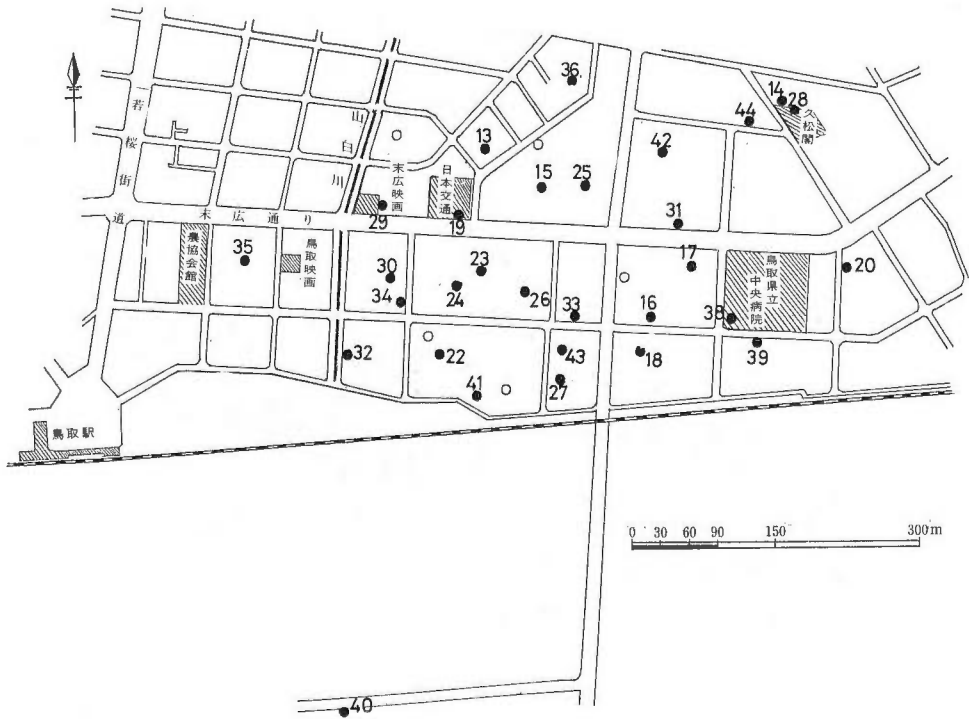
第42-1図 鳥取県における主要温泉の分布(この地図は、国土地理院発行の20万分の1地勢図「鳥取」、「松江」、「高梁」を使用したものである。)



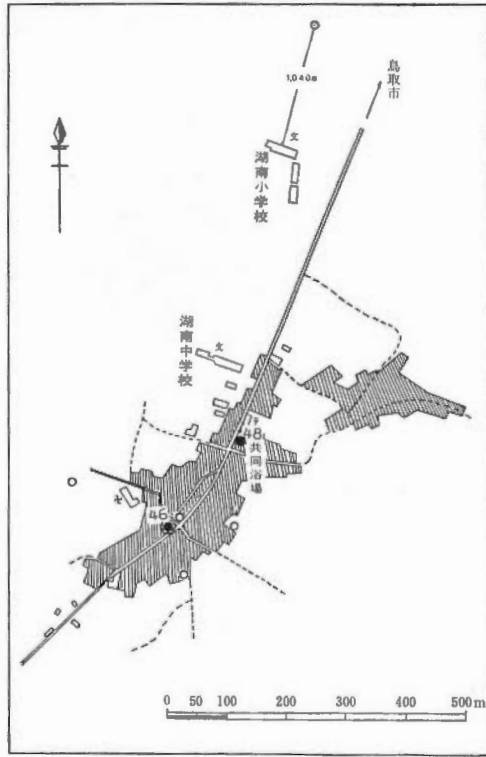
第 42-2 図 試料採取地（岩井温泉）



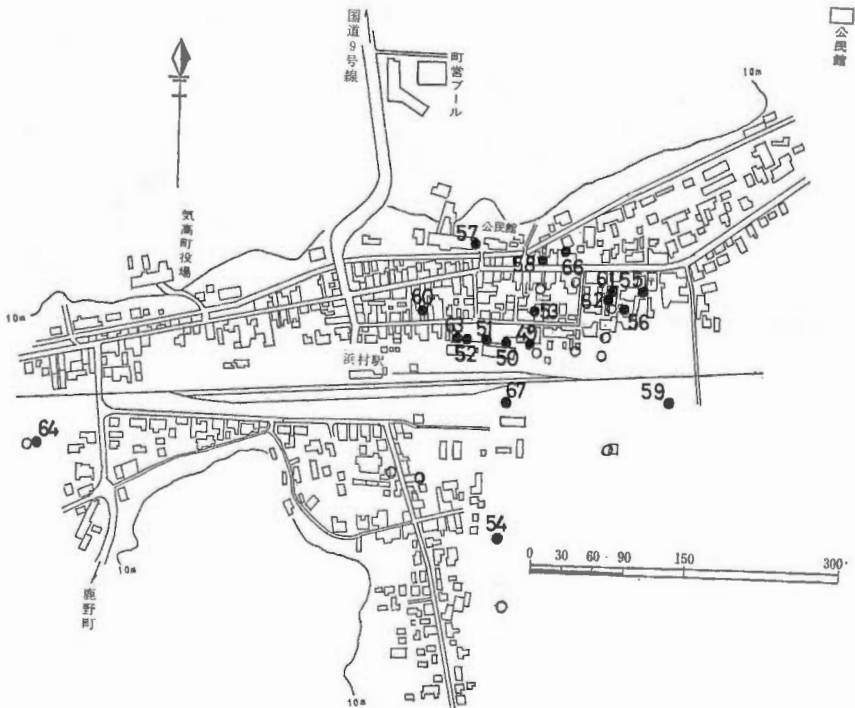
第 42-3 図 試料採取地（鳥取温泉）



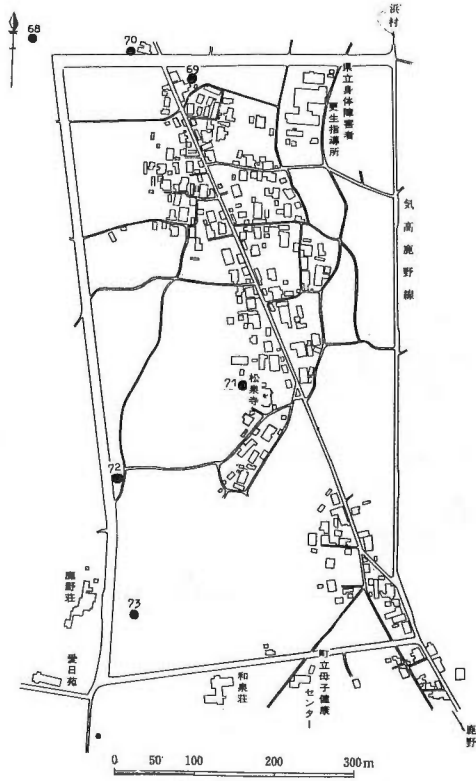
第42-4図 試料採取地(吉岡温泉)



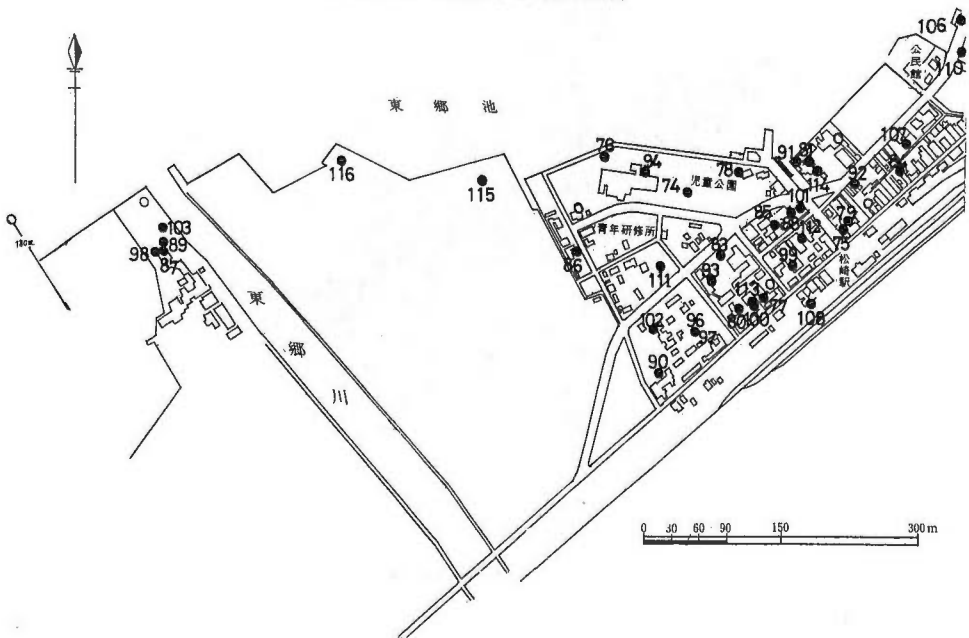
第42-5図 試料採取地(浜村温泉)



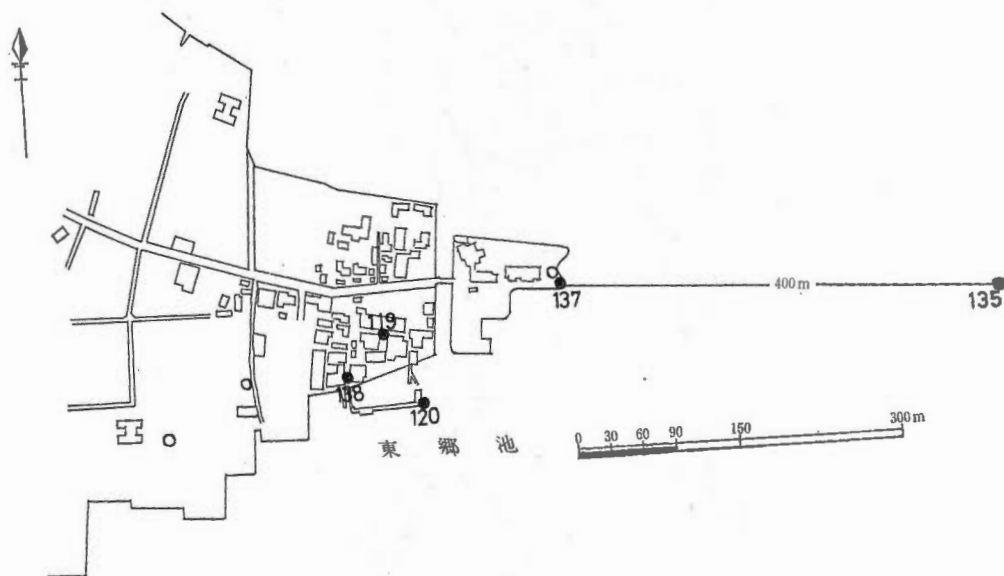
第42-6図 試料採取地(鹿野温泉)



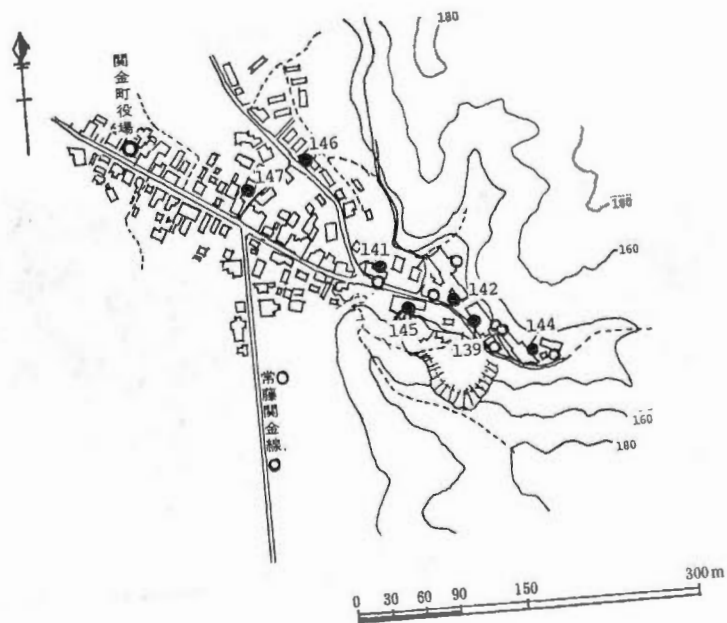
第42-7図 試料採取地(東郷温泉)



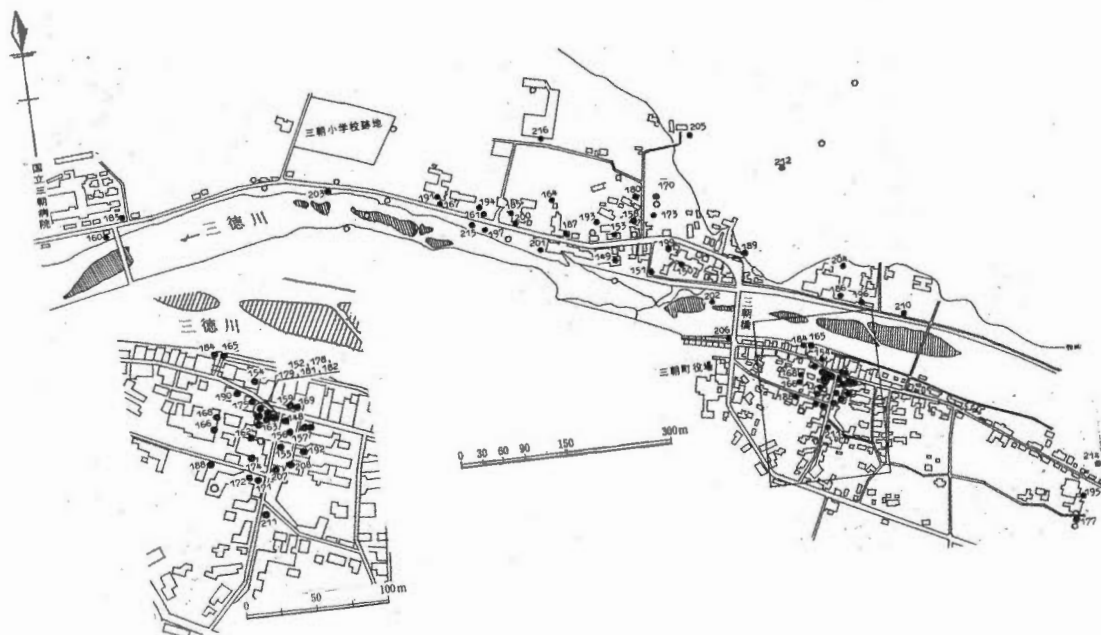
第42-8図 試料採取地（浅津温泉）



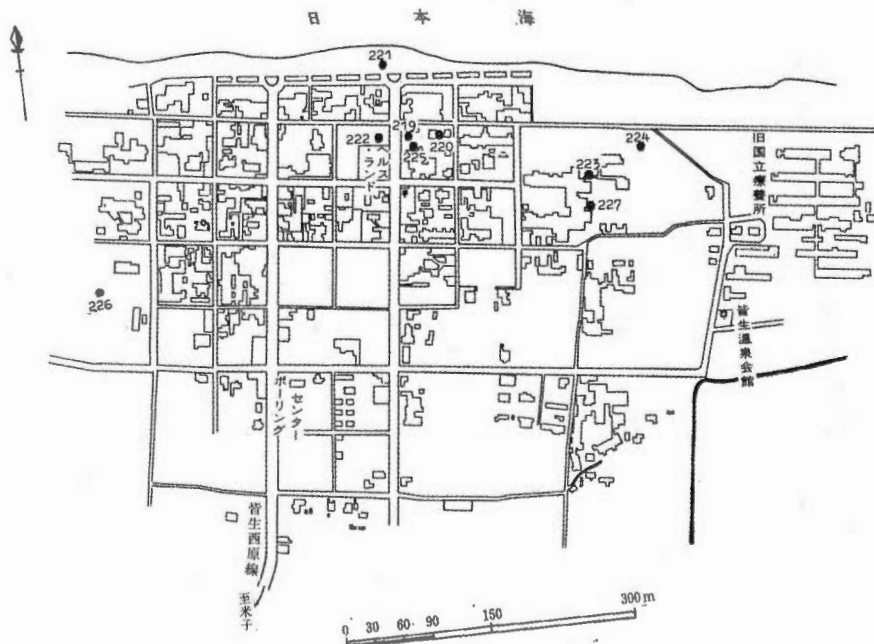
第42-9図 試料採取地（関金温泉）



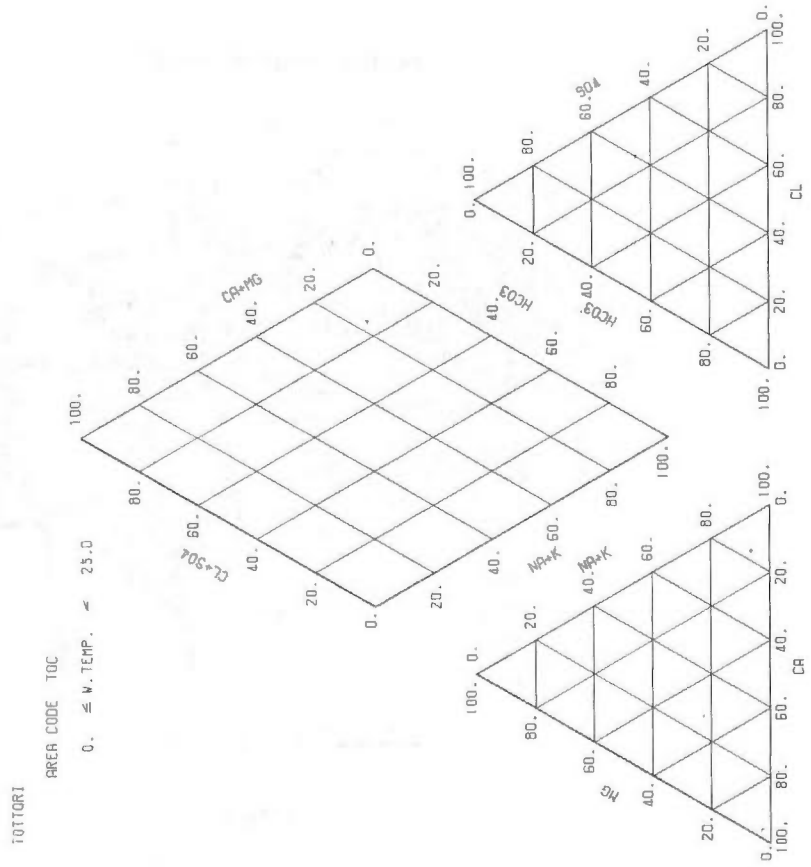
第42-10図 試料採取地 (三朝温泉)



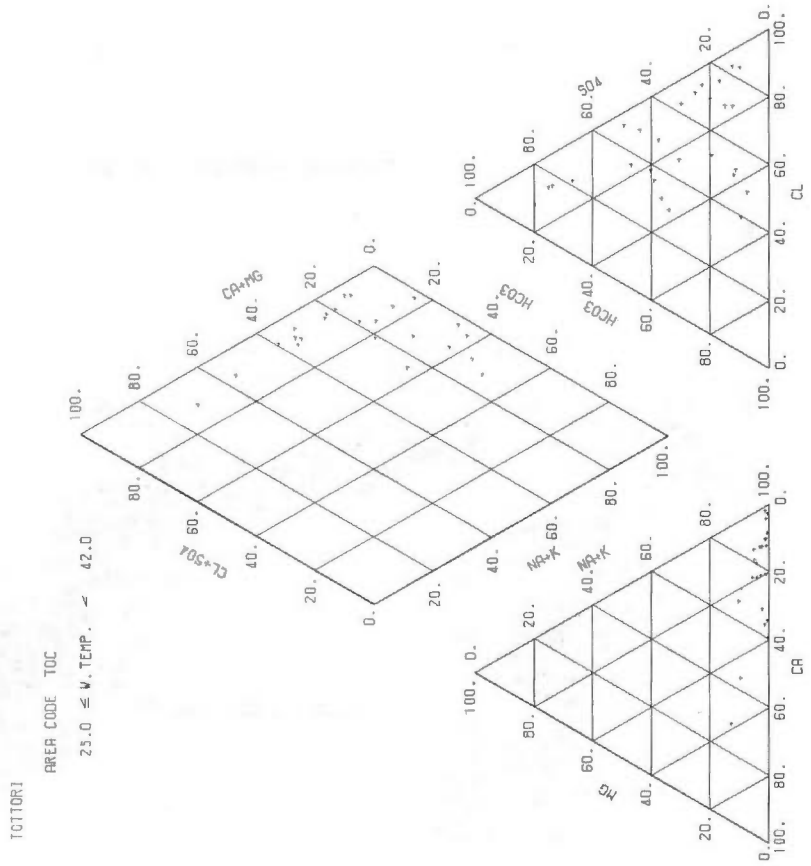
第42-11図 試料採取地 (皆生温泉)



第42-12図 鳥取地域水質組成図 (その1) (水温25℃未満)



第42-12図 鳥取地域水質組成図 (その2) (水温25℃以上42℃未満)

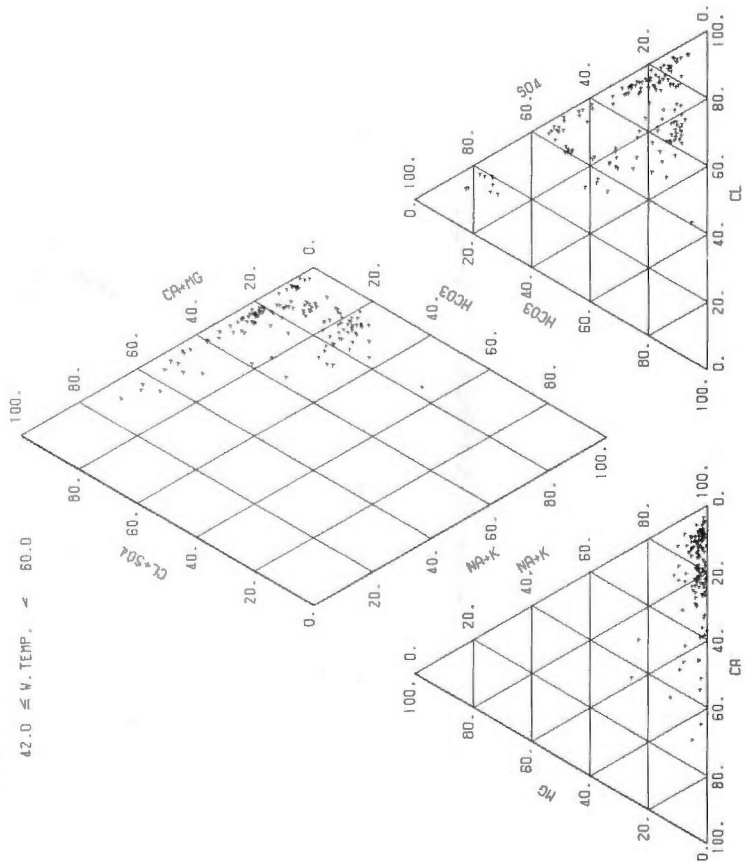


第42-12図 鳥取地域水質組成図 (その3) (水温42°C以上60°C未満)

TOTTORI

AREA CODE TOC

42.0 ≤ W. TEMP. < 60.0

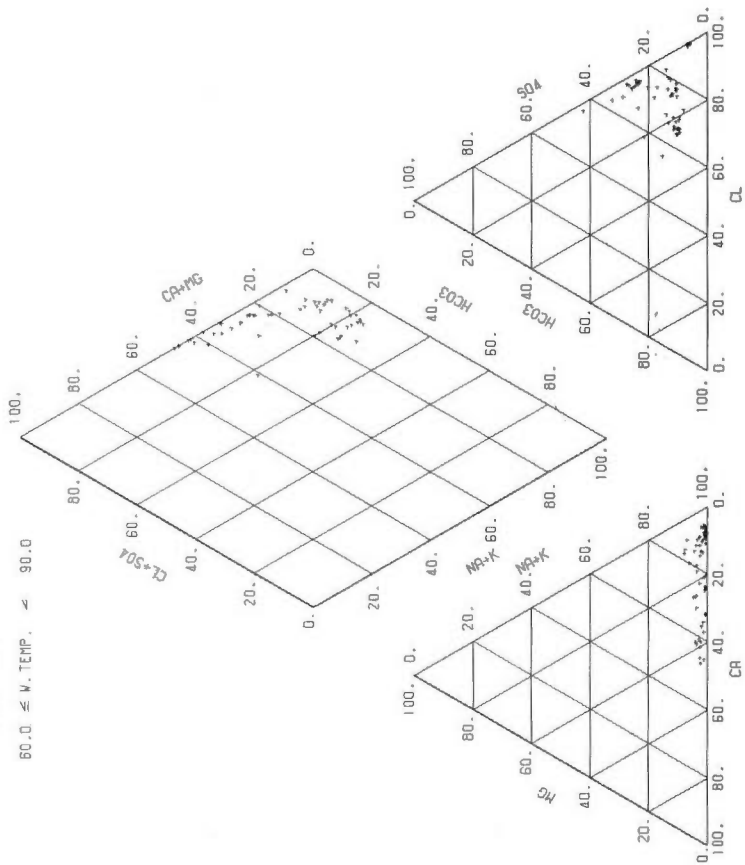


第42-12図 鳥取地域水質組成図 (その4) (水温60°C以上90°C未満)

TOTTORI

AREA CODE TOC

60.0 ≤ W. TEMP. < 90.0

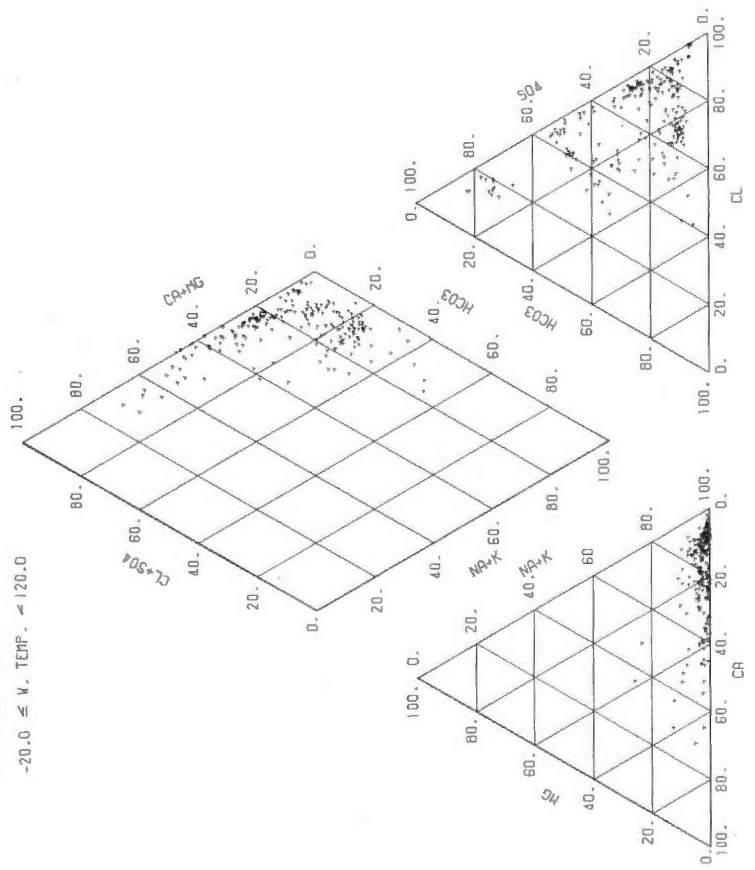


第42-12図 鳥取地域水質組成図 (その5) (全試料)

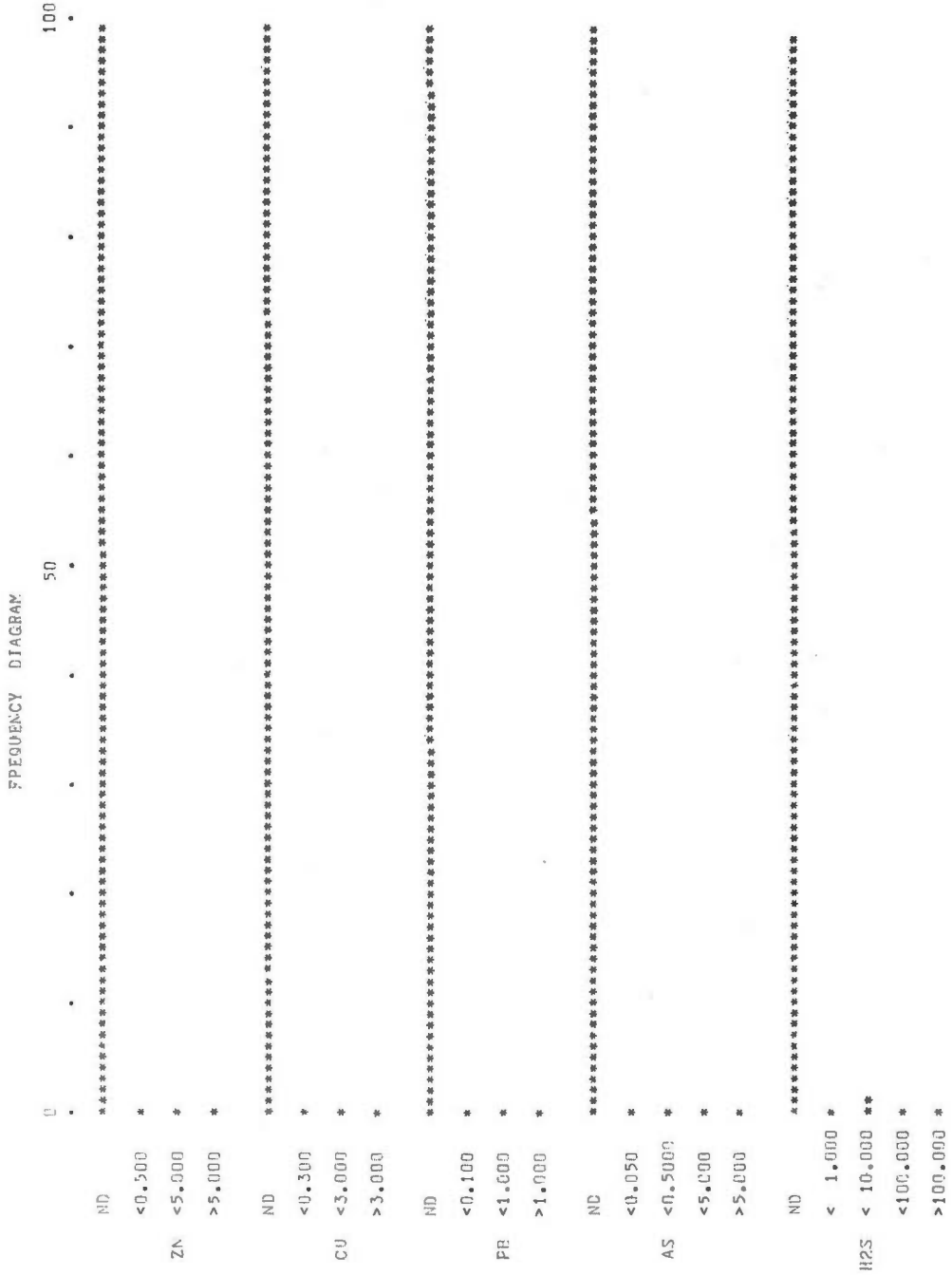
TOTTORI

AREA CODE TOC

-20.0 ≤ W. TEMP. ≤ 120.0



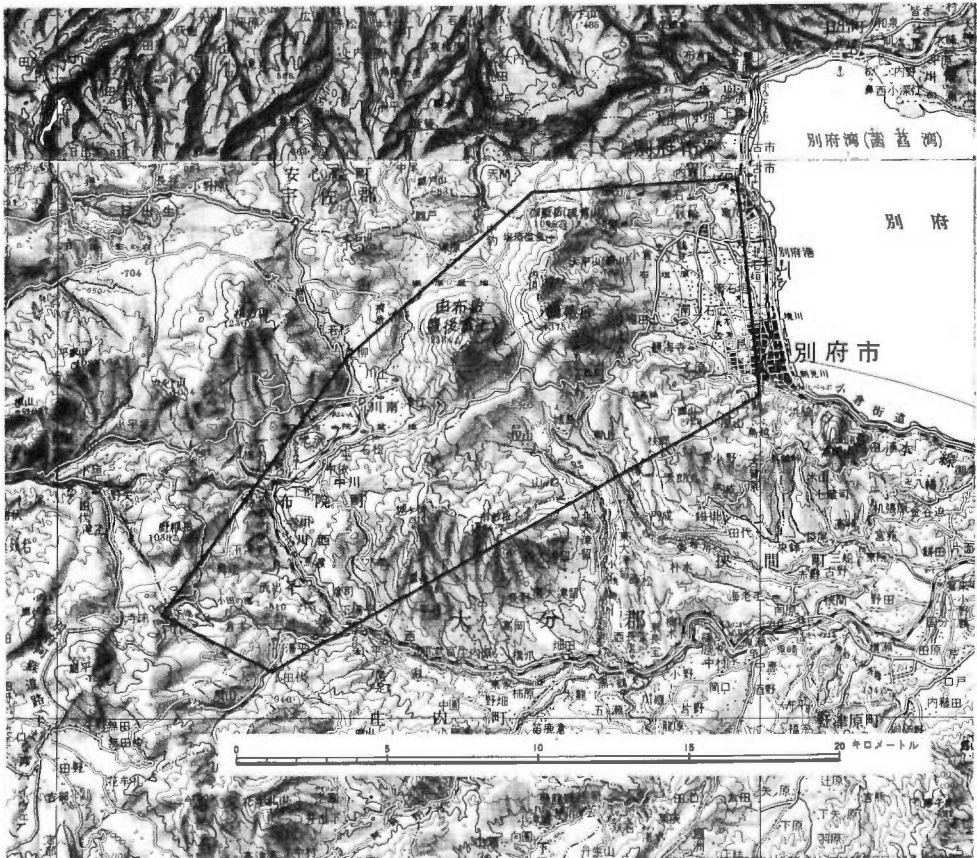
第 42-13 図 鳥取地域特定成分含量の頻度分布図



43. 伽藍岳 Garan-dake

位置	大分県別府市，同大分郡湯布院町
データ数	92
収集・整理	永井 茂・比留川 貴・鹿島建設㈱
協力	大分県環境保健部，同大分郡湯布院町

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「大分」を使用したものである）



第 43-1 表 伽藍岳地域試料一覽表

No.	産地	温泉名	源泉名	分析年月日	文献 No.	文献中の試料 No.	備考
GKC-1	大分県大分郡湯布院町大字塚原	塚原	塚原鉈泉	1956. 5	34		×
"-2	"	"	塚原第一	1956. 5	"		
"-3	"	"	塚原第二	1956. 5	"		
"-4	"	"	桜井保	1960. 7	"		
"-5	"	"	土屋留	1962. 9	"		
"-6	"	"	由川雅敬	(1974. 8. 24)	38	温研4922	
"-7	"	"	佐土原温泉	1967. 2	34		
"-8	"	"	由布院部隊	1955. 12	"		
"-9	"	"	湯坪	1955. 5	"		
"-10	"	"	吉本寛子	1967. 9	"		
"-11	"	"	雲野岩蔵	1959. 1	"		
"-12	"	"	由布地獄	1969. 9	"		
"-13	"	"	山田順三	1959. 1	"		
"-14	"	"	堂本の湯	1959. 1	"		
"-15	"	"	岳本温泉	1955. 5	"		
"-16	"	"	月廻湯	1959. 1	"		×
"-17	"	"	山口キクヨ	1969. 1	"		
"-18	"	"	竜雲山荘	1965. 6	"		
"-19	"	"	小松啓利	1964. 2	"		
"-20	"	"	清水産業K.K.	1969. 7	"		
"-21	"	"	玉の湯旅館	1958. 11	"		
"-22	"	"	玉の湯	1967. 9	"		
"-23	"	"	城の湯	1959. 1	"		
"-24	"	"	坂田春雄	1965. 6	"		
"-25	"	"	秋吉八百喜ほか	1967. 6	"		
"-26	"	"	岩男頼一	1963. 12	"		
"-27	"	"	乙丸温泉	1955. 5	"		
"-28	"	"	研修所内湯	1969. 9	"		×
"-29	"	"	原猶市	1964. 8	"		
"-30	"	"	栗山荘	1958. 1	"		
"-31	"	"	白滝温泉	(1964. 5. 28)	38	温研4910	×
"-32	"	"	木村雄蔵	(1974. 12. 6)	"	" 4941	
"-33	"	"	金鱗湖旅館	(1974. 1. 9)	"	公衛温948	P
"-34	"	"	好乃井内湯	(1974. 1. 8)	"	" 950	P
"-35	"	"	香椎内湯	(1974. 1. 8)	"	" 952	F
"-36	"	"	月星化成健保	(1973. 12. 17)	"	" 953	F
"-37	"	"		(1974. 1. 8)	"	" 954	F

No.	産地	温泉名	源泉名	源泉名	分析年月日	文献No.	文献中の試料No.	備考
GKC-76	大分県大分郡湯布院町大字湯平ヤシキ796	湯	平	大津屋丸	1958.11	34		
"	"	"	"	石丸	1958.11	"		
"	"	"	"	志美津湯	1958.11	"		
"	"	"	"	車屋	1958.11	"		
"	"	奥	江	九州林産1号	1964.6	"		
"	"	"	"	九州林産3号	1964.6	"		
"	"	別	府	一の出	(1976.10.30)	1		
"	別府市別府一の出	"	"	丸尾	(1976.10.30)	"		
"	"	"	"	堀田	(1976.10.30)	"		
"	"	"	"	北田位No.1	(1976.10.30)	"		
"	"	"	"	北田位No.2	(1976.10.30)	"		
"	"	"	"	鶴見園No.1	(1976.10.30)	"		
"	"	"	"	鶴見園No.2	(1976.10.30)	"		
"	"	"	"	地獄田	(1976.10.30)	"		
"	鉄輪	"	"	神和苑	(1976.10.30)	"		
"	小倉	"	"	照湯	(1976.10.30)	"		
"	南立石	"	"	前八幡	(1976.10.30)	"		

分析年月日の()は採水年月日、備考欄のFは自噴、Pはポンプ揚水、×は源泉位置不明を示す。

第 43-2 表 伽藍岳地域水質一覽表

	GKC 1		GKC 2		GKC 3		GKC 4	
	24.5	47.0	57.0	16.0	16.0	16.0	16.0	16.0
NO	18030.000	7003.000	2093.000	18350.000	18350.000	18350.000	18350.000	18350.000
TEMP	1.20	1.85	1.60	1.00	1.00	1.00	1.00	1.00
TSM								
PH(FD)								
PH(CLB)								
H (MG/KG)(MVAL/KG)	67.490	13.570	15.010	14.891	100.800	100.800	100.003	
K	150.600	0.444	0.444	0.256	10.940	0.280	0.280	
NA	224.100	9.748	8.419	0.366	88.770	3.861	3.861	
NH4	4.205	0.233	2.350	0.130	0.120	0.007	0.007	
CA	641.700	32.021	53.200	2.655	167.000	8.333	8.333	
MG	55.350	4.555	15.500	1.275	195.500	16.088	16.088	
FE	373.350	13.370	10.300	0.369	78.180	2.800	2.800	
MN	8.333	0.303	0.317	0.012	4.150	0.151	0.151	
ZN								
CU								
PB								
AL	923.000	102.628	7.502	0.834	419.700	46.666	46.666	
CL	29.720	0.838	18.120	0.511	TR.			
BR								
I								
F								
OH								
S04	146.875	52.626	1688.582	35.156	4108.682	85.543	85.543	
S203								
HCO3								
CO3								
SI02 (MG/KG) (MMOL/KG)	192.787	299.412	217.558	3.622	189.017	3.147	3.147	
HB02	1.703	0.039	2.838	0.065				
H3PO4	9.727	0.099	0.848	0.009	23.897	0.244	0.244	
HAS02								
CO2								
H2S	0.204	0.006	2.108	0.062				
RN (*E-10 CURIE/L)								
NA/K	2.530	9.051	1.430	13.799				
CA/(HCO3+CO3)								
MG/CA	0.142	0.102	0.480	1.931				
NA/CA	0.304	0.277	0.138	0.463				
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)	27.106	21.851	13.669	14.499				
CA*100/(NA+K+CA+MG)	63.817	70.917	58.313	29.176				
MG*100/(NA+K+CA+MG)	9.078	7.231	28.018	56.325				
(CL+S04)*100/(CL+S04+HCO3+CO3)								
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)								
(NA+K)*100/(NA+K+CA+MG)	27.106	21.851	13.669	14.499				
(CA+MG)*100/(NA+K+CA+MG)	72.894	78.149	86.331	85.501				

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 5	GKC 6	GKC 7	GKC 8
NO	-	12.0	61.0	89.0
TEMP	7030.000	115.000	930.500	1001.000
TSM	-	7.20	7.80	7.40
PH(FD)	-	7.45	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	48.380	0.0	-	-
Na	7.265	0.186	0.260	0.451
NH4	17.150	4.217	10.160	17.620
Ca	0.965	0.183	0.304	267.760
Mg	233.200	0.0	-	TR
Fe	154.100	7.103	30.280	29.620
Mn	51.580	2.172	15.210	5.360
Zn	26.050	0.179	0.080	0.441
Cu	-	-	-	-
Pb	-	0.0	-	-
Al	4.676	-	-	-
CL	13.140	7.792	140.500	224.500
BR	-	-	-	3.958
I	-	-	-	-
F	-	0.108	-	-
OH	-	0.003	0.011	0.001
S04	6447.760	2.500	69.700	1.451
S203	-	-	-	-
HC03	-	26.840	364.900	5.981
C03	-	0.0	1.362	0.045
SI02 (MG/KG) (MMOL/KG)				
HR02	372.649	47.354	115.842	1.929
H3P04	10.950	0.185	9.133	0.208
HAS02	10.892	0.475	0.229	0.002
C02	-	0.023	0.105	0.001
H2S	-	6.160	14.030	0.319
H25	-	1.428	-	-
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	4.014	5.265	31.952	25.842
CA/(HC03+C03)	-	0.806	0.251	0.243
Mg/CA	1.090	0.504	0.828	0.298
NA/CA	0.064	0.518	5.496	7.880
CL/(HC03+C03)	-	0.500	0.657	1.042
CL/F	-	38.665	-	-
CL*100/(CL+S04+HC03+C03)	-	30.882	34.611	45.138
S04*100/(CL+S04+HC03+C03)	-	7.313	12.690	11.551
(HC03+C03)*100/(CL+S04+HC03+C03)	-	61.805	52.698	43.312
(NA+K)*100/(NA+K+CA+MG)	3.691	29.048	75.610	86.309
CA*100/(NA+K+CA+MG)	46.087	47.167	13.340	10.544
Mg*100/(NA+K+CA+MG)	50.222	23.785	11.050	3.147
(CL+S04)*100/(CL+S04+HC03+C03)	-	38.195	47.302	56.688
(HC03+C03)*100/(CL+S04+HC03+C03)	-	61.805	52.698	43.312
(NA+K)*100/(NA+K+CA+MG)	3.691	29.048	75.610	86.309
(CA+MG)*100/(NA+K+CA+MG)	96.309	70.952	24.390	13.691

第 43-2 表 伽藍岳地域水質一覽表 (つづき)

	GKC 13			GKC 14			GKC 15			GKC 16		
NO	50.5	46.7	46.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
TEMP	574.300	624.900	500.000	627.800	627.800	627.800	627.800	627.800	627.800	627.800	627.800	627.800
TSM	7.55	7.28	7.38	7.22	7.22	7.22	7.22	7.22	7.22	7.22	7.22	7.22
PH(FD)												
PH(LB)												
H (MG/KG) (MV/L/KG)												
K	15.180	16.790	14.530	0.429	0.429	0.372	13.560	0.347	13.560	0.347	0.347	0.347
NA	119.000	125.100	125.000	5.442	5.442	5.438	143.900	6.260	143.900	6.260	6.260	6.260
NH4												
CA	14.970	15.820	0.395	0.789	0.789	0.215	11.230	0.560	11.230	0.560	0.560	0.560
MG	7.386	6.819	3.951	0.561	0.561	0.325	6.527	0.537	6.527	0.537	0.537	0.537
FE	0.053	0.067	0.023	0.002	0.002	0.001	0.093	0.003	0.093	0.003	0.003	0.003
MN												
ZN												
CU												
PB												
AL	0.067	0.079	0.038	0.009	0.009	0.004	0.053	0.006	0.053	0.006	0.006	0.006
CL	75.490	86.610	99.700	2.500	2.500	2.813	98.460	2.778	98.460	2.778	2.778	2.778
BR												
I												
F												
OH	0.007	0.003	0.003	0.000	0.000	0.003	0.003	0.000	0.003	0.000	0.000	0.000
S04	76.550	65.190	109.100	1.357	1.357	2.271	59.260	1.234	59.260	1.234	1.234	1.234
S203												
HC03	195.300	207.200	78.020	3.396	3.396	1.279	224.900	3.686	224.900	3.686	3.686	3.686
C03	0.461	0.244	0.210	0.008	0.008	0.006	0.210	0.007	0.210	0.007	0.007	0.007
SI02 (MG/KG) (MMOL/KG)	70.004	84.015	86.008	1.399	1.399	1.432	71.004	1.182	71.004	1.182	1.182	1.182
HB02	11.152	13.369	11.155	0.254	0.254	0.255	11.155	0.255	11.155	0.255	0.255	0.255
H3PO4	0.200	0.290	0.516	0.003	0.003	0.005	0.270	0.003	0.270	0.003	0.003	0.003
HAS02	0.092	0.095	0.134	0.001	0.001	0.001	0.134	0.001	0.134	0.001	0.001	0.001
C02	11.690	24.950	34.000	0.567	0.567	0.514	34.000	0.772	34.000	0.772	0.772	0.772
H2S												
RN (*E-10 CURIE/L)												
NA/K	13.331	12.671	14.630	18.020	18.020	18.020	18.020	18.020	18.020	18.020	18.020	18.020
CA/(HC03+C03)	0.252	0.252	0.168	0.168	0.168	0.152	0.152	0.152	0.152	0.152	0.152	0.152
MG/CA	0.814	0.711	1.515	0.958	0.958	0.958	0.958	0.958	0.958	0.958	0.958	0.958
NA/CA	6.930	6.893	25.335	6.893	6.893	11.170	11.170	11.170	11.170	11.170	11.170	11.170
CL/(HC03+C03)	0.662	0.734	2.199	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.752	0.752
CL/F												
CL*100/(CL+S04+HC03+C03)	30.687	34.426	44.203	36.051	36.051	36.051	36.051	36.051	36.051	36.051	36.051	36.051
S04*100/(CL+S04+HC03+C03)	22.966	18.692	35.699	16.014	16.014	16.014	16.014	16.014	16.014	16.014	16.014	16.014
(HC03+C03)*100/(CL+S04+HC03+C03)	46.347	46.882	20.097	47.935	47.935	47.935	47.935	47.935	47.935	47.935	47.935	47.935
(NA+K)*100/(NA+K+CA+MG)	80.421	81.299	91.499	85.755	85.755	85.755	85.755	85.755	85.755	85.755	85.755	85.755
CA*100/(NA+K+CA+MG)	10.795	10.931	3.380	7.273	7.273	7.273	7.273	7.273	7.273	7.273	7.273	7.273
MG*100/(NA+K+CA+MG)	8.784	7.770	5.121	6.971	6.971	6.971	6.971	6.971	6.971	6.971	6.971	6.971
(CL+S04)*100/(CL+S04+HC03+C03)	53.653	53.118	79.903	52.065	52.065	52.065	52.065	52.065	52.065	52.065	52.065	52.065
(HC03+C03)*100/(CL+S04+HC03+C03)	46.347	46.882	20.097	47.935	47.935	47.935	47.935	47.935	47.935	47.935	47.935	47.935
(NA+K)*100/(NA+K+CA+MG)	80.421	81.299	91.499	85.755	85.755	85.755	85.755	85.755	85.755	85.755	85.755	85.755
(CA+MG)*100/(NA+K+CA+MG)	19.579	18.701	8.501	14.245	14.245	14.245	14.245	14.245	14.245	14.245	14.245	14.245

第43-2表 加藍岳地域水質一覽表 (つづき)

	GKC 17		GKC 18		GKC 19		GKC 20	
	46.5	63.0	48.0	77.5	48.0	77.5	77.5	77.5
	732.400	932.600	900.400	780.000	900.400	780.000	780.000	780.000
	7.60	7.60	7.50	7.40	7.50	7.40	7.40	7.40
	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)								
K	14.860	35.190	0.900	0.900	0.815	0.815	0.920	0.535
NA	142.600	195.500	8.504	8.504	7.904	7.904	181.200	7.882
NH4								
CA	15.290	7.601	0.379	0.379	0.187	0.187	12.020	0.600
MG	11.080	3.152	0.259	0.259	0.659	0.659	12.160	1.001
FE	0.180	0.196	0.007	0.007	0.016	0.016	0.210	0.008
MN	0.300	0.160	0.006	0.006	0.007	0.007	0.180	0.007
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	-	0.060	0.007	0.007	0.018	0.018	0.192	0.021
CL	56.730	123.100	3.473	3.473	3.927	3.927	117.000	3.301
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	0.007	0.007	0.000	0.000	0.000	0.000	0.004	0.000
S04	124.400	47.740	0.994	0.994	0.977	0.977	106.800	2.224
S203	-	-	-	-	-	-	-	-
HCO3	252.100	335.900	5.505	5.505	4.637	4.637	283.600	4.648
CO3	0.594	0.792	0.026	0.026	0.018	0.018	0.417	0.014
SI02 (MG/KG) (MMOL/KG)								
SI02	118.510	169.444	2.821	2.821	2.708	2.708	65.599	1.092
HB02	10.416	17.602	0.402	0.402	0.502	0.502	8.328	0.190
H3PO4	0.240	0.050	0.001	0.001	0.004	0.004	0.628	0.006
HAS02	0.097	0.123	0.001	0.001	0.001	0.001	-	-
CO2	15.150	20.160	0.458	0.458	0.494	0.494	27.210	0.618
H2S	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	16.319	9.447	9.698	9.698	14.729	14.729	0.129	0.129
CA/(HCO3+CO3)	0.184	0.069	0.040	0.040	3.520	3.520	1.668	1.668
MG/CA	1.195	0.684	0.684	0.684	42.228	42.228	13.141	13.141
NA/CA	8.130	22.422	0.622	0.622	0.844	0.844	0.708	0.708
CL/(HCO3+CO3)	0.385	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	19.184	34.732	41.084	41.084	32.402	32.402	21.829	21.829
S04*100/(CL+S04+HCO3+CO3)	31.048	9.941	10.220	10.220	45.769	45.769	84.024	84.024
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	49.768	55.327	48.695	48.695	5.987	5.987	9.989	9.989
(NA+K)*100/(NA+K+CA+MG)	79.720	93.641	91.155	91.155	54.231	54.231	45.769	45.769
CA*100/(NA+K+CA+MG)	9.239	3.777	1.957	1.957	84.024	84.024	5.987	5.987
MG*100/(NA+K+CA+MG)	11.041	2.583	6.888	6.888	9.989	9.989	45.769	45.769
(CL+S04)*100/(CL+S04+HCO3+CO3)	50.232	44.673	51.305	51.305	84.024	84.024	5.987	5.987
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	49.768	55.327	48.695	48.695	9.989	9.989	45.769	45.769
(NA+K)*100/(NA+K+CA+MG)	79.720	93.641	91.155	91.155	84.024	84.024	5.987	5.987
(CA+MG)*100/(NA+K+CA+MG)	20.280	6.359	8.845	8.845	15.976	15.976	7.40	7.40

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 21		GKC 22		GKC 23		GKC 24	
NO	62.5	68.0	46.4	50.0	50.0	50.0	50.0	50.0
TEMP	921.500	702.400	625.000	624.000	624.000	624.000	624.000	624.000
TSM	8.09	7.10	7.11	7.10	7.11	7.10	7.10	7.10
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG)(MVAL/KG)								
K	27.300	19.930	0.510	0.510	0.512	0.512	1.340	1.340
NA	176.400	144.900	6.503	6.503	4.872	4.872	61.610	61.610
NH4	-	-	-	-	0.035	0.035	0.160	0.160
CA	23.390	16.770	0.837	0.837	0.630	0.630	8.663	8.663
MG	3.548	12.350	1.016	1.016	0.619	0.619	0.432	0.432
FE	0.108	0.076	0.003	0.003	0.607	0.607	0.715	0.715
MN	-	0.200	0.007	0.007	0.380	0.380	0.163	0.163
ZN	-	-	-	-	-	-	0.006	0.006
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.132	0.080	0.009	0.009	0.024	0.024	0.203	0.203
CL	137.200	70.450	1.987	1.987	82.050	82.050	67.010	67.010
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	0.021	0.002	0.000	0.000	0.002	0.002	0.000	0.000
SO4	61.730	74.070	1.542	1.542	19.750	19.750	21.200	21.200
S2O3	-	-	-	-	-	-	-	-
HCO3	272.900	310.300	5.086	5.086	236.700	236.700	177.300	177.300
CO3	2.013	0.228	0.008	0.008	0.175	0.175	-	-
STO2 (MG/KG)(MMOL/KG)	158.978	69.341	1.155	1.155	104.018	104.018	148.013	148.013
HBO2	13.140	14.415	0.329	0.329	11.155	11.155	48.390	48.390
H3PO4	0.234	0.159	0.002	0.002	1.000	1.000	0.453	0.453
HASO2	0.119	0.095	0.001	0.001	0.036	0.036	0.000	0.000
CO2	5.255	59.680	0.119	0.119	45.590	45.590	33.580	33.580
H2S	-	-	-	-	-	-	0.988	0.988
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	10.988	12.364	9.523	9.523	2.000	2.000	0.149	0.149
CA/(HCO3+CO3)	0.257	0.164	0.159	0.159	1.654	1.654	6.200	6.200
MG/CA	0.250	1.214	0.981	0.981	7.874	7.874	0.651	0.651
NA/CA	6.574	7.532	0.590	0.590	-	-	-	-
CL/(HCO3+CO3)	0.853	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+SO4+HCO3+CO3)	39.919	23.048	35.011	35.011	36.091	36.091	8.427	8.427
SO4*100/(CL+SO4+HCO3+CO3)	13.256	17.884	6.220	6.220	55.482	55.482	77.800	77.800
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	46.825	59.068	58.769	58.769	13.834	13.834	44.518	44.518
(NA+K)*100/(NA+K+CA+MG)	85.158	78.617	81.457	81.457	55.482	55.482	8.366	8.366
CA*100/(NA+K+CA+MG)	11.872	11.727	9.181	9.181	13.834	13.834	44.518	44.518
MG*100/(NA+K+CA+MG)	2.970	40.932	41.231	41.231	55.482	55.482	77.800	77.800
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	53.175	59.068	58.769	58.769	13.834	13.834	44.518	44.518
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	46.825	59.068	58.769	58.769	13.834	13.834	44.518	44.518
(NA+K)*100/(NA+K+CA+MG)	85.158	78.617	81.457	81.457	55.482	55.482	77.800	77.800
(CA+MG)*100/(NA+K+CA+MG)	14.842	21.383	18.543	18.543	22.200	22.200	22.200	22.200

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 25	GKC 26	GKC 27	GKC 28
NO	56.5	58.0	56.0	58.0
TEMP	538.600	658.000	777.000	910.000
TSM	6.80	7.65	7.12	8.30
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)	0.0	-	-	-
K	22.680	31.420	25.540	38.310
NA	115.000	100.400	188.200	8.187
NH4	1.400	0.105	0.197	0.011
CA	8.441	9.854	8.651	0.432
MG	4.387	11.840	3.742	0.308
FE	0.380	0.340	0.064	0.002
MN	-	0.070	0.319	0.012
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.120	0.178	0.013	0.052
CL	64.890	84.960	168.200	137.200
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	12.840	33.340	114.700	0.034
S203	-	-	-	46.170
HCO3	248.200	233.800	149.200	346.700
CO3	0.090	-	-	4.091
SI02 (MG/KG) (MMOL/KG)	72.802	102.009	29.195	132.176
HB02	11.414	13.860	0.016	10.518
H3PO4	4.100	3.518	1.228	0.319
HAS02	-	-	-	0.128
CO2	95.460	17.340	30.750	0.699
H2S	-	1.193	0.182	0.005
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	8.623	5.434	12.531	8.483
CA/(HCO3+CO3)	0.103	0.130	0.177	0.098
MG/CA	0.857	1.962	0.713	0.751
NA/CA	11.877	8.793	18.965	14.588
CL/(HCO3+CO3)	0.450	0.625	1.940	0.665
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	29.674	34.620	49.538	36.340
S04*100/(CL+S04+HCO3+CO3)	4.334	10.027	24.932	9.026
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	65.993	55.353	25.530	54.634
(NA+K)*100/(NA+K+CA+MG)	87.710	77.853	92.279	90.301
CA*100/(NA+K+CA+MG)	6.618	7.478	4.506	5.537
MG*100/(NA+K+CA+MG)	5.672	14.669	3.214	4.161
(CL+S04)*100/(CL+S04+HCO3+CO3)	34.007	44.647	74.470	45.366
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	65.993	55.353	25.530	54.634
(NA+K)*100/(NA+K+CA+MG)	87.710	77.853	92.279	90.301
(CA+MG)*100/(NA+K+CA+MG)	12.290	22.147	7.721	9.699

第48-2表 伽藍岳地域水質一覽表 (つづき)

NO	GKC 29				GKC 30				GKC 31				GKC 32			
	TEMP	TSM	PH(FD)	PH(LB)	TEMP	TSM	PH(FD)	PH(LB)	TEMP	TSM	PH(FD)	PH(LB)	TEMP	TSM	PH(FD)	PH(LB)
H (MG/KG) (MVAL/KG)	8.104	0.207	9.210	0.236	9.210	0.236	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
K	114.400	4.976	81.870	3.561	81.870	3.561	4.069	4.069	4.069	4.069	4.069	4.069	4.069	4.069	4.069	4.069
NA	0.150	0.008	0.150	0.008	0.150	0.008	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
NH4	9.435	0.471	14.200	0.709	14.200	0.709	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566	0.566
CA	7.167	0.590	5.068	0.417	5.068	0.417	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
MG	0.717	0.026	0.144	0.005	0.144	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FE	0.0	0.153	0.067	0.006	0.067	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
MN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AL	0.462	0.051	0.165	0.018	0.165	0.018	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
CL	83.090	2.344	58.150	1.640	58.150	1.640	2.097	2.097	2.097	2.097	2.097	2.097	2.097	2.097	2.097	2.097
BR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	0.006	0.000	0.006	0.000	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
OH	26.550	0.553	42.390	0.883	42.390	0.883	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489	0.489
SO4	203.100	3.329	148.800	2.439	148.800	2.439	2.067	2.067	2.067	2.067	2.067	2.067	2.067	2.067	2.067	2.067
S2O3	-	-	0.278	0.009	0.278	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
HCO3	-	-	91.972	1.531	91.972	1.531	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629
CO3	136.012	2.265	6.570	0.150	6.570	0.150	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
SI02 (MG/KG) (MMOL/KG)	28.690	0.655	0.432	0.004	0.432	0.004	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0.062
H3PO4	1.876	0.019	0.032	0.000	0.032	0.000	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146
HAS02	-	-	8.905	0.202	8.905	0.202	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO2	20.240	0.460	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H2S	0.997	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA/K	24.006	15.117	187.361	6.802	187.361	6.802	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132	0.132
CA/(HCO3+CO3)	0.141	0.289	0.273	0.712	0.273	0.712	11.412	11.412	11.412	11.412	11.412	11.412	11.412	11.412	11.412	11.412
MG/CA	1.253	0.589	7.184	0.526	7.184	0.526	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732
NA/CA	10.570	5.026	1.010	0.670	1.010	0.670	192.568	192.568	192.568	192.568	192.568	192.568	192.568	192.568	192.568	192.568
CL/(HCO3+CO3)	0.704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	37.651	32.999	44.965	38.383	44.965	38.383	52.420	52.420	52.420	52.420	52.420	52.420	52.420	52.420	52.420	52.420
S04*100/(CL+S04+HCO3+CO3)	8.879	17.754	10.493	9.197	10.493	9.197	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	53.470	49.247	48.541	52.420	48.541	52.420	6.756	6.756	6.756	6.756	6.756	6.756	6.756	6.756	6.756	6.756
(NA+K)*100/(NA+K+CA+MG)	83.015	77.133	87.452	88.433	87.452	88.433	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811
CA*100/(NA+K+CA+MG)	7.540	14.395	12.108	6.756	12.108	6.756	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580
MG*100/(NA+K+CA+MG)	9.445	8.472	0.440	4.811	0.440	4.811	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433
(CL+S04)*100/(CL+S04+HCO3+CO3)	46.530	50.753	55.459	47.580	55.459	47.580	11.567	11.567	11.567	11.567	11.567	11.567	11.567	11.567	11.567	11.567
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	53.470	49.247	48.541	52.420	48.541	52.420	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433	88.433
(NA+K)*100/(NA+K+CA+MG)	83.015	77.133	87.452	88.433	87.452	88.433	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811	4.811
(CA+MG)*100/(NA+K+CA+MG)	16.985	22.867	12.548	6.756	12.548	6.756	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580	47.580

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 33			GKC 34			GKC 35			GKC 36		
NO	53.0	702.000	57.3	702.000	70.4	1064.000	66.4	744.000	66.4	744.000	7.20	7.51
TEMP	7.60	7.94	7.40	7.47	7.50	7.34	7.20	7.20	7.20	7.20	7.20	7.51
TSM												
PH(FD)												
PH(LB)												
H (MG/KG) (MVAL/KG)												
K	22.680	0.580	23.850	0.610	21.500	0.550	18.770	0.480	18.770	0.480		
NA	115.000	5.003	142.600	6.203	271.400	11.806	174.800	7.604	174.800	7.604		
NH4	0.300	0.017	0.100	0.006	0.050	0.003	0.020	0.001	0.020	0.001		
CA	10.010	0.499	11.370	0.567	15.140	0.755	13.050	0.651	13.050	0.651		
MG	4.913	0.404	5.698	0.469	17.380	1.430	4.629	0.381	4.629	0.381		
FE	0.112	0.004	0.038	0.001	0.160	0.006	0.056	0.002	0.056	0.002		
MN	0.210	0.008	0.154	0.006	0.296	0.011	0.110	0.004	0.110	0.004		
ZN	-	-	-	-	-	-	-	-	-	-		
CU	-	-	-	-	-	-	-	-	-	-		
PB	-	-	-	-	-	-	-	-	-	-		
AL	0.024	0.003	0.004	0.000	0.005	0.001	0.025	0.003	0.025	0.003		
CL	82.260	2.321	71.670	2.022	230.500	6.502	130.600	3.684	130.600	3.684		
BR	-	-	-	-	-	-	-	-	-	-		
I	-	-	-	-	-	-	-	-	-	-		
F	-	-	-	-	-	-	-	-	-	-		
OH	0.007	0.000	0.004	0.000	0.005	0.000	0.003	0.000	0.003	0.000		
SO4	22.140	0.461	109.100	2.271	90.790	1.890	54.000	1.124	54.000	1.124		
S2O3	-	-	-	-	-	-	-	-	-	-		
HC03	241.100	3.952	233.000	3.819	422.100	6.918	278.100	4.558	278.100	4.558		
CO3	0.568	0.019	0.343	0.011	0.788	0.026	0.260	0.009	0.260	0.009		
SI02	139.737	2.327	60.978	1.015	45.982	0.766	75.970	1.265	75.970	1.265		
HB02	8.341	0.190	10.052	0.229	21.170	0.483	15.168	0.346	15.168	0.346		
H3PO4	-	-	0.530	0.005	0.570	0.006	0.590	0.006	0.590	0.006		
HAS02	0.025	0.000	0.076	0.001	0.209	0.002	0.190	0.002	0.190	0.002		
CO2	14.420	0.328	22.330	0.507	32.550	0.740	42.060	0.956	42.060	0.956		
H2S	-	-	-	-	-	-	-	-	-	-		
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	-	-	-		
NA/K	8.623	10.168	10.168	21.466	15.837	15.837	15.837	15.837	15.837	15.837		
CA/(HC03+CO3)	0.126	0.148	0.148	0.109	0.143	0.143	0.143	0.143	0.143	0.143		
MG/CA	0.809	0.826	0.826	1.895	1.895	1.895	1.895	1.895	1.895	1.895		
NA/CA	10.015	10.933	10.933	15.627	11.677	11.677	11.677	11.677	11.677	11.677		
CL/(HC03+CO3)	0.584	0.528	0.528	0.936	0.807	0.807	0.807	0.807	0.807	0.807		
CL/F	-	-	-	-	-	-	-	-	-	-		
CL*100/(CL+S04+HC03+CO3)	34.368	24.888	24.888	42.396	39.297	39.297	39.297	39.297	39.297	39.297		
S04*100/(CL+S04+HC03+CO3)	6.827	27.961	27.961	12.325	11.992	11.992	11.992	11.992	11.992	11.992		
(HC03+CO3)*100/(CL+S04+HC03+CO3)	58.805	47.150	47.150	45.279	48.711	48.711	48.711	48.711	48.711	48.711		
(NA+K)*100/(NA+K+CA+MG)	86.066	86.798	86.798	84.969	88.678	88.678	88.678	88.678	88.678	88.678		
CA*100/(NA+K+CA+MG)	7.701	7.228	7.228	5.195	7.143	7.143	7.143	7.143	7.143	7.143		
MG*100/(NA+K+CA+MG)	6.233	5.974	5.974	9.835	4.179	4.179	4.179	4.179	4.179	4.179		
(CL+S04)*100/(CL+S04+HC03+CO3)	41.195	52.850	52.850	54.721	51.289	51.289	51.289	51.289	51.289	51.289		
(HC03+CO3)*100/(CL+S04+HC03+CO3)	58.805	47.150	47.150	45.279	48.711	48.711	48.711	48.711	48.711	48.711		
(NA+K)*100/(NA+K+CA+MG)	86.066	86.798	86.798	84.969	88.678	88.678	88.678	88.678	88.678	88.678		
(CA+MG)*100/(NA+K+CA+MG)	13.934	13.202	13.202	15.031	11.322	11.322	11.322	11.322	11.322	11.322		

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 37	GKC 38	GKC 39	GKC 40
NO	67.4	42.4	50.0	57.0
TEMP	794.000	377.000	635.400	759.100
TSM	7.50	7.10	7.10	8.65
PH(FD)	7.30	7.38	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	23.850	9.774	15.000	16.240
NA	181.700	66.690	132.000	144.700
NH4	0.050	-	1.050	0.010
CA	13.290	12.890	13.880	16.890
MG	6.681	4.727	7.612	3.149
FE	0.036	0.124	0.833	0.025
MN	0.146	-	-	0.245
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.009	0.002	0.079	0.018
CL	141.900	55.080	101.800	100.700
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	0.005	0.002	0.000	0.340
S04	56.390	42.150	37.450	44.030
S203	-	-	-	-
HC03	306.600	123.600	236.700	231.800
C03	0.572	0.091	0.175	4.560
SI02 (MG/KG) (MMOL/KG)	96.532	38.384	108.024	160.476
HB02	15.189	19.031	13.362	2.542
H3P04	0.480	0.424	1.489	1.023
HAS02	0.164	0.046	0.077	-
C02	23.630	23.780	45.600	-
H2S	-	-	-	0.511
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	12.956	11.603	14.965	15.152
CA/(HC03+C03)	0.131	0.317	0.176	0.213
MG/CA	0.829	0.605	0.918	0.307
NA/CA	11.918	4.510	8.412	7.468
CL/(HC03+C03)	0.794	0.766	0.739	0.719
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	39.163	34.837	38.103	36.851
S04*100/(CL+S04+HC03+C03)	11.486	19.675	10.345	11.852
(HC03+C03)*100/(CL+S04+HC03+C03)	49.350	45.488	51.551	51.257
(NA+K)*100/(NA+K+CA+MG)	87.530	75.325	82.393	85.894
CA*100/(NA+K+CA+MG)	9.818	15.376	9.182	10.789
MG*100/(NA+K+CA+MG)	5.652	9.259	8.425	5.317
(CL+S04)*100/(CL+S04+HC03+C03)	50.650	54.512	48.449	48.743
(HC03+C03)*100/(CL+S04+HC03+C03)	49.350	45.488	51.551	51.257
(NA+K)*100/(NA+K+CA+MG)	87.530	75.325	82.393	85.894
(CA+MG)*100/(NA+K+CA+MG)	12.470	24.675	17.607	14.106

第43-2表 加藍岳地域水質一覽表 (つづき)

	GKC 41	GKC 42	GKC 43	GKC 44
NO	47.0	85.0	62.0	77.0
TEMP	387.000	977.000	613.000	839.000
TSM	7.40	7.10	7.75	7.10
PH(FD)	-	7.10	7.75	7.15
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	-	0.0	0.0	0.0
K	12.320	0.315	16.000	14.230
NA	80.040	3.482	119.300	159.800
NH4	0.156	0.009	0.020	0.040
CA	4.954	0.408	10.320	26.630
MG	0.074	0.003	2.142	3.625
FE	-	-	-	0.017
MN	-	-	0.038	0.144
ZN	-	-	-	-
CU	-	-	0.010	0.010
PB	-	-	-	-
AL	0.043	0.005	0.007	0.0
CL	55.060	1.553	76.840	121.000
BR	-	-	-	-
I	-	-	-	-
F	-	-	0.219	0.432
OH	-	-	0.000	0.000
S04	89.510	1.864	21.200	35.200
S203	-	-	-	-
HC03	64.550	1.058	216.700	275.000
CO3	-	-	0.0	0.0
ST02 (MG/KG)(MMOL/KG)	79.469	1.323	110.688	148.769
HB02	-	-	5.211	8.902
H3P04	0.279	0.003	0.413	0.356
HAS02	-	-	0.115	0.244
CO2	10.910	0.248	6.190	26.530
H2S	0.176	0.005	0.823	0.955
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	11.048	23.532	12.680	19.097
CA/(HC03+CO3)	-	0.201	0.145	0.295
MG/CA	-	0.400	0.342	0.224
NA/CA	-	7.976	10.077	5.231
CL/(HC03+CO3)	1.468	0.912	0.610	0.757
CL/F	-	178.177	188.031	150.103
CL*100/(CL+S04+HC03+CO3)	34.711	43.335	35.185	39.445
S04*100/(CL+S04+HC03+CO3)	41.646	9.126	7.164	8.469
(HC03+CO3)*100/(CL+S04+HC03+CO3)	23.643	47.539	57.651	52.086
(NA+K)*100/(NA+K+CA+MG)	-	85.591	89.011	81.804
CA*100/(NA+K+CA+MG)	-	10.294	8.187	14.860
MG*100/(NA+K+CA+MG)	-	4.115	2.802	3.336
(CL+S04)*100/(CL+S04+HC03+CO3)	76.357	52.461	42.349	47.914
(HC03+CO3)*100/(CL+S04+HC03+CO3)	23.643	47.539	57.651	52.086
(NA+K)*100/(NA+K+CA+MG)	-	85.591	89.011	81.804
(CA+MG)*100/(NA+K+CA+MG)	-	14.409	10.989	18.196

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 45	GKC 46	GKC 47	GKC 48
NO	50.5	53.0	71.5	54.0
TEMP	685.400	761.000	789.900	885.200
TSM	7.27	7.41	7.40	7.57
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)				
K	22.570	20.550	23.460	28.460
NA	136.500	5.938	6.838	8.504
NH4	0.120	0.007	0.141	0.044
CA	10.260	0.512	0.409	0.272
MG	5.630	4.110	5.449	5.988
FE	0.239	0.463	1.173	4.679
MN	-	0.009	0.001	0.003
ZN	-	0.875	0.076	0.133
CU	-	0.032	0.180	TR.
PB	-	-	0.007	-
AL	0.089	-	-	-
CL	91.900	0.010	-	0.106
BR	-	0.005	-	-
I	-	2.592	128.700	157.600
F	-	2.740	3.631	4.446
OH	0.003	-	-	-
S04	25.520	-	0.004	0.007
HCO3	-	43.620	30.620	49.590
CO3	266.300	0.908	0.000	0.000
CO2	0.314	4.456	0.638	1.032
SI02 (MG/KG)(MMOL/KG)	-	271.900	5.289	5.432
HB02	100.034	0.010	0.016	0.026
H3P04	11.152	1.318	96.839	1.159
HAS02	2.449	168.000	16.476	13.363
C02	-	0.254	0.376	0.305
H2S	32.080	0.025	0.004	0.010
	-	44.040	0.027	0.000
	-	0.170	31.030	0.099
	-	1.001	0.705	19.840
	-	0.005	-	-
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	10.285	13.009	14.171	13.056
CA/(HCO3+CO3)	0.117	0.092	0.051	0.055
MG/CA	0.905	0.828	0.355	1.289
NA/CA	11.398	16.272	31.277	31.810
CL/(HCO3+CO3)	0.593	0.615	0.684	0.815
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	34.572	33.806	37.925	40.656
S04*100/(CL+S04+HCO3+CO3)	7.085	11.206	6.659	9.434
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	58.343	54.988	55.415	49.910
(NA+K)*100/(NA+K+CA+MG)	86.980	90.791	96.111	93.736
CA*100/(NA+K+CA+MG)	6.835	5.039	2.870	2.737
MG*100/(NA+K+CA+MG)	6.185	4.170	1.019	3.527
(CL+S04)*100/(CL+S04+HCO3+CO3)	41.657	45.012	44.585	50.090
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	58.343	54.988	55.415	49.910
(NA+K)*100/(NA+K+CA+MG)	86.980	90.791	96.111	93.736
(CA+MG)*100/(NA+K+CA+MG)	13.020	9.209	3.889	6.264

第43-2表 加藍岳地域水質一覽表 (つづき)

NO	TEMP	TSM	PH(FD)	PH(LB)	GKC 49		GKC 50		GKC 51		GKC 52	
					54.0	827.400	91.0	787.400	88.0	878.500	99.0	1028.000
H (MG/KG)(HVAL/KG)	K	NA	NH4	CA	MG	FE	MN	ZN	CU	PB	AL	
	21.960	199.500	1.320	4.277	1.642	0.120	-	-	-	-	-	-
	0.562	8.678	0.073	0.213	0.135	0.004	-	-	-	-	-	-
	0.270	8.113	0.590	0.004	0.004	-	-	-	-	-	-	-
	0.0	186.500	11.820	0.120	0.120	-	-	-	-	-	-	-
	10.560	186.500	11.820	0.120	0.120	-	-	-	-	-	-	-
	0.270	8.113	0.590	0.004	0.004	-	-	-	-	-	-	-
	10.160	197.800	17.880	3.354	0.100	TR.	-	-	-	-	-	-
	0.260	8.604	0.892	0.276	0.004	-	-	-	-	-	-	-
	15.250	246.100	10.450	4.945	0.072	-	-	-	-	-	-	-
	0.390	10.705	0.521	0.407	0.003	-	-	-	-	-	-	-
CL	129.700	3.659	110.000	3.103	129.200	3.645	193.100	5.447	-	-	-	-
BR	-	-	-	-	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-
OH	0.008	0.000	0.651	1.599	0.003	0.000	0.067	0.004	-	-	-	-
S04	31.280	76.800	310.300	5.086	0.312	5.523	6.769	4.701	-	-	-	-
S203	325.500	5.335	0.114	0.004	120.620	2.008	167.839	2.795	-	-	-	-
HC03	0.961	0.032	92.023	0.365	13.861	0.316	22.594	0.516	-	-	-	-
C03	0.961	0.032	15.981	0.019	51.010	0.001	0.219	0.002	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	90.429	1.506	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
H202	11.155	0.255	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
H3P04	1.840	0.019	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
HAS02	1.840	0.019	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
C02	15.730	0.357	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
H25	15.730	0.357	119.400	2.713	51.010	1.159	1.725	0.039	-	-	-	-
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	-	-	-	-	-
NA/K	15.449	30.033	0.161	33.107	27.443	0.106	0.780	0.106	-	-	-	-
CA/(HC03+C03)	0.040	0.116	0.309	0.309	0.780	0.309	0.780	0.309	-	-	-	-
MG/CA	0.633	13.755	13.755	13.755	20.530	9.644	20.530	9.644	-	-	-	-
NA/CA	40.682	0.610	0.610	0.610	0.659	0.659	0.659	0.659	-	-	-	-
CL/(HC03+C03)	0.682	-	-	-	-	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	37.809	31.691	36.275	36.275	45.722	36.275	45.722	36.275	-	-	-	-
S04*100/(CL+S04+HC03+C03)	6.730	16.330	16.330	16.330	12.930	16.330	12.930	16.330	-	-	-	-
(HC03+C03)*100/(CL+S04+HC03+C03)	55.461	51.979	55.077	55.077	41.348	55.077	41.348	55.077	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	96.365	88.356	88.356	88.356	92.279	88.356	92.279	88.356	-	-	-	-
CA*100/(NA+K+CA+MG)	2.226	8.893	8.893	8.893	4.337	8.893	4.337	8.893	-	-	-	-
MG*100/(NA+K+CA+MG)	1.409	2.751	2.751	2.751	3.384	2.751	3.384	2.751	-	-	-	-
(CL+S04)*100/(CL+S04+HC03+C03)	44.539	44.923	44.923	44.923	58.652	44.923	58.652	44.923	-	-	-	-
(HC03+C03)*100/(CL+S04+HC03+C03)	55.461	55.077	55.077	55.077	41.348	55.077	41.348	55.077	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)	96.365	88.356	88.356	88.356	92.279	88.356	92.279	88.356	-	-	-	-
(CA+MG)*100/(NA+K+CA+MG)	3.635	11.644	11.644	11.644	7.721	11.644	7.721	11.644	-	-	-	-

第 43-2 表 伽藍岳地域水質一覽表 (つづき)

	GKC 53	GKC 54	GKC 55	GKC 56
NO	89.0	77.5	66.0	65.4
TEMP	925.000	852.000	780.500	910.500
TSM	7.70	8.02	7.20	7.40
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	18.300	15.640	0.400	0.322
NA	256.600	180.000	7.830	12.600
NH4		0.084	0.005	205.800
CA	26.720	15.220	0.759	15.820
MG	2.257	16.850	1.387	0.789
FE	0.080	0.040	0.001	0.561
MN	0.128	0.185	0.270	0.239
ZN	-	-	0.007	0.060
CU	-	-	-	0.003
PB	-	-	-	-
AL	0.024	0.005	0.001	-
CL	261.700	177.600	5.010	0.078
BR	-	-	144.600	147.700
I	-	-	-	-
F	-	-	-	-
OH	0.009	-	0.003	0.004
S04	74.900	74.480	1.551	53.500
S203	-	-	-	-
HC05	300.900	231.700	3.798	325.500
CO3	1.124	-	0.288	0.480
SI02 (MG/KG) (MMOL/KG)				
HBO2	124.241	159.399	2.654	114.024
R3PO4	31.755	2.635	11.145	11.155
HASO2	0.120	1.363	0.014	0.410
CO2	0.215	0.002	0.140	0.146
H2S	14.540	32.030	0.728	31.230
H2S	-	0.680	0.020	-
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	23.845	19.572	27.502	27.776
CA/(HC03+CO3)	0.258	0.200	0.122	0.148
MG/CA	0.139	1.826	0.468	0.711
NA/CA	8.372	10.310	13.467	11.340
CL/(HC03+CO3)	1.486	1.319	0.809	0.779
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	53.069	48.368	43.571	39.192
S04*100/(CL+S04+HC03+CO3)	11.210	14.970	2.582	10.477
(HC03+CO3)*100/(CL+S04+HC03+CO3)	35.721	36.662	53.848	50.331
(NA+K)*100/(NA+K+CA+MG)	88.448	79.317	90.481	87.289
CA*100/(NA+K+CA+MG)	10.140	7.319	6.483	7.430
MG*100/(NA+K+CA+MG)	1.412	13.363	3.036	5.281
(CL+S04)*100/(CL+S04+HC03+CO3)	64.279	63.338	46.152	49.669
(HC03+CO3)*100/(CL+S04+HC03+CO3)	35.721	36.662	53.848	50.331
(NA+K)*100/(NA+K+CA+MG)	88.448	79.317	90.481	87.289
(CA+MG)*100/(NA+K+CA+MG)	11.552	20.683	9.519	12.711

第 43-2 表 伽藍岳地域水質一覽表 (つづき)

NO	GKC 57		GKC 58		GKC 59		GKC 60	
	TEMP	PH(CFD)	TEMP	PH(CFD)	TEMP	PH(CFD)	TEMP	PH(CFD)
	64.0	865.000	65.0	699.000	60.0	1010.000	51.0	425.500
	7.50	7.50	7.29	7.29	7.45	7.45	7.90	7.90
H (MG/KG)(MVAL/KG)								
K	12.410	0.317	16.320	0.417	22.520	0.576	11.340	0.290
NA	197.600	8.596	169.000	7.352	218.100	9.487	149.500	6.503
NH4			0.409	0.023	0.348	0.019		
CA	15.390	0.768	6.152	0.307	20.880	1.042	21.760	1.086
MG	7.585	0.624	6.257	0.515	1.520	0.125	10.440	0.859
FE	0.186	0.007	0.071	0.003	0.212	0.008	0.480	0.017
MN	0.080	0.003			TR.		TR.	
ZN								
CU								
PB								
AL	0.133	0.015	0.010	0.001	0.215	0.024		
CL	147.700	4.167	155.900	4.398	149.300	4.212	87.900	2.480
BR								
I								
F								
OH	0.003	0.000			0.005	0.000	0.013	0.001
S04	39.920	0.831	123.800	2.578	51.440	1.071	48.560	1.011
S203								
HCO3	325.500	5.335	99.130	1.625	369.500	6.056	30.590	0.501
CO3	0.384	0.013			0.690	0.023	1.428	0.048
SI02 (MG/KG)(MMOL/KG)								
H802	91.931	1.531	107.010	1.782	129.041	2.149	67.503	1.124
H3P04	13.369	0.505	0.009	0.000	17.529	0.400	6.285	0.143
HAS02	0.410	0.004	0.722	0.007	0.915	0.009	0.060	0.001
CO2	0.136	0.001			0.140	0.001	0.048	0.000
H2S	39.210	0.891	37.330	0.848	28.510	0.648		
RN (*E-10 CURIE/L)			0.242	0.007				
NA/K	27.077		17.610		16.469		22.419	
CA/(HCO3+CO3)	0.144		0.189		0.171		1.978	
MG/CA	0.813		1.677		0.120		0.791	
NA/CA	11.193		23.947		9.106		5.989	
CL/(HCO3+CO3)	0.779		2.707		0.693		4.517	
CL/F								
CL*100/(CL+S04+HCO3+CO3)	40.275		51.138		37.069		61.383	
S04*100/(CL+S04+HCO3+CO3)	8.034		29.970		9.426		25.027	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	51.692		18.892		53.505		13.589	
(NA+K)*100/(NA+K+CA+MG)	86.491		90.433		89.609		77.742	
CA*100/(NA+K+CA+MG)	7.452		3.573		9.278		12.426	
MG*100/(NA+K+CA+MG)	6.057		5.993		1.114		9.832	
(CL+S04)*100/(CL+S04+HCO3+CO3)	48.308		81.108		46.495		86.411	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	51.692		18.892		53.505		13.589	
(NA+K)*100/(NA+K+CA+MG)	86.491		90.433		89.609		77.742	
(CA+MG)*100/(NA+K+CA+MG)	13.509		10.567		10.391		22.258	

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 61		GKC 62		GKC 63		GKC 64	
NO	51.0	57.0	57.0	41.0	41.0	66.1	66.1	66.1
TEMP	750.000	294.200	294.200	268.000	268.000	1465.000	1465.000	1465.000
TSM	8.30	8.20	8.20	7.75	7.75	7.03	7.03	7.03
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (MVAL/KG)								
K	14.860	8.210	8.210	0.210	0.177	20.130	20.130	0.515
NA	169.700	55.190	55.190	2.401	1.044	411.300	411.300	17.892
NH4	-	-	-	-	-	0.197	0.197	0.011
CA	19.240	TR.	TR.	-	0.290	11.550	11.550	0.576
MG	15.080	TR.	TR.	-	0.029	2.052	2.052	0.169
FE	0.276	0.640	0.640	0.023	0.001	0.114	0.114	0.004
MN	0.120	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.280	0.080	0.080	0.009	0.002	0.015	0.015	0.002
CL	134.700	6.737	6.737	0.190	0.204	461.400	461.400	13.016
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	0.034	0.027	0.027	0.002	-	-	-	-
S04	50.370	9.299	9.299	0.194	0.240	132.200	132.200	2.752
S203	-	-	-	-	-	-	-	-
HC03	302.600	133.500	133.500	2.188	0.015	202.400	202.400	3.317
CO3	3.571	1.248	1.248	0.042	-	-	-	-
SI02 (MG/KG) (MMOL/KG)								
HB02	48.603	65.196	65.196	1.086	1.650	127.473	127.473	2.122
H3PO4	10.518	6.930	6.930	0.158	0.521	0.020	0.020	0.000
HAS04	0.471	0.951	0.951	0.010	0.674	0.382	0.382	0.004
HAS02	-	0.020	0.020	0.000	-	-	-	-
CO2	3.644	2.020	2.020	0.046	0.281	62.900	62.900	1.429
H2S	-	-	-	-	0.186	0.122	0.122	0.004
RN (*E-10 CURIE/L)								
NA/K	19.420	11.432	11.432	-	5.917	34.746	34.746	-
CA/(HC03+CO3)	0.189	-	-	-	19.654	0.174	0.174	-
MG/CA	1.233	-	-	-	0.100	0.233	0.233	-
NA/CA	7.689	-	-	-	3.603	31.043	31.043	-
CL/(HC03+CO3)	0.748	0.085	0.085	-	13.846	3.924	3.924	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	38.277	7.272	7.272	44.513	68.198	68.198	68.198	-
S04*100/(CL+S04+HC03+CO3)	10.564	7.408	7.408	52.273	14.421	14.421	14.421	-
(HC03+CO3)*100/(CL+S04+HC03+CO3)	51.159	85.319	85.319	3.215	17.381	17.381	17.381	-
(NA+K)*100/(NA+K+CA+MG)	77.908	-	-	79.287	96.109	96.109	96.109	-
CA*100/(NA+K+CA+MG)	9.636	-	-	18.827	3.009	3.009	3.009	-
MG*100/(NA+K+CA+MG)	12.455	-	-	1.886	0.882	0.882	0.882	-
(CL+S04)*100/(CL+S04+HC03+CO3)	48.841	14.681	14.681	96.785	82.619	82.619	82.619	-
(HC03+CO3)*100/(CL+S04+HC03+CO3)	51.159	85.319	85.319	3.215	17.381	17.381	17.381	-
(NA+K)*100/(NA+K+CA+MG)	77.908	-	-	79.287	96.109	96.109	96.109	-
(CA+MG)*100/(NA+K+CA+MG)	22.092	-	-	20.713	3.891	3.891	3.891	-

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC 65		GKC 66		GKC 67		GKC 68	
NO	56.0	64.5	59.5	53.5				
TEMP	1539.500	1440.000	1472.000	1140.000				
TSM	6.55	6.72	7.00	7.01				
PH(FD)	-	-	-	-				
PH(LB)	-	-	-	-				
H (MG/KG) (MVAL/KG)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
K	15.920	17.240	0.441	0.441	0.380	0.380	0.552	0.552
NA	395.300	375.800	16.347	16.347	16.765	16.765	14.464	14.464
NH4	-	TR.	-	-	-	-	0.615	0.615
CA	44.270	50.950	2.542	2.542	2.417	2.417	13.050	13.050
MG	1.014	1.014	0.083	0.083	0.083	0.083	0.651	0.651
FE	0.668	1.052	0.037	0.037	0.011	0.011	1.351	1.351
MN	0.214	0.153	0.006	0.006	-	-	0.510	0.510
ZN	-	-	-	-	-	-	0.361	0.361
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.065	0.228	0.025	0.025	0.166	0.166	0.015	0.015
CL	448.200	565.500	15.953	15.953	13.104	13.104	360.800	360.800
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	0.002	0.002	-	-
SO4	132.900	121.800	2.536	2.536	2.434	2.434	133.600	133.600
S2O3	-	-	-	-	-	-	-	-
HC03	272.300	56.480	0.926	0.926	4.247	4.247	175.200	175.200
CO3	0.064	0.017	0.001	0.001	0.005	0.005	-	-
SI02 (MG/KG) (MMOL/KG)	148.980	172.035	2.864	2.864	2.065	2.065	91.008	91.008
HB02	41.619	30.671	0.700	0.700	0.700	0.700	0.018	0.018
H3PO4	-	-	0.210	0.210	0.002	0.002	0.392	0.392
HAS02	0.194	0.291	0.003	0.003	0.002	0.002	74.450	74.450
CO2	163.000	27.290	0.620	0.620	1.414	1.414	-	-
H2S	-	-	-	-	-	-	0.208	0.208
RN (*E-10 CURT ₂ /L)	-	-	-	-	-	-	-	-
NA/K	42.225	37.069	44.134	44.134	26.226	26.226	0.227	0.227
CA/(HC03+CO3)	0.495	2.745	0.335	0.335	0.171	0.171	22.211	22.211
MG/CA	0.038	0.038	6.430	6.430	3.082	3.082	3.545	3.545
NA/CA	7.784	17.223	-	-	-	-	-	-
CL/(HC03+CO3)	2.832	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	63.614	82.168	66.216	66.216	64.292	64.292	17.570	17.570
SO4*100/(CL+S04+HC03+CO3)	13.921	13.061	12.299	12.299	18.138	18.138	18.138	18.138
(HC03+CO3)*100/(CL+S04+HC03+CO3)	22.465	4.771	21.485	21.485	95.168	95.168	4.127	4.127
(NA+K)*100/(NA+K+CA+MG)	88.477	86.475	87.271	87.271	0.425	0.425	81.862	81.862
CA*100/(NA+K+CA+MG)	11.103	13.096	12.304	12.304	78.515	78.515	18.138	18.138
MG*100/(NA+K+CA+MG)	0.419	0.430	0.425	0.425	87.271	87.271	95.168	95.168
(CL+S04)*100/(CL+S04+HC03+CO3)	77.535	95.229	21.485	21.485	87.271	87.271	95.168	95.168
(HC03+CO3)*100/(CL+S04+HC03+CO3)	22.465	4.771	21.485	21.485	12.729	12.729	4.832	4.832
(NA+K)*100/(NA+K+CA+MG)	88.477	86.475	87.271	87.271	12.729	12.729	4.832	4.832
(CA+MG)*100/(NA+K+CA+MG)	11.523	13.525	13.525	13.525	12.729	12.729	4.832	4.832

第43-2表 伽藍岳地域水質一覽表(つづき)

	GKC 69		GKC 70		GKC 71		GKC 72	
	67.0	51.5	55.0	88.1	55.0	88.1	55.0	88.1
NO	1615.200	772.400	1421.500	1564.000	1421.500	1564.000	1421.500	1564.000
TEMP	6.70	6.75	7.35	7.40	7.35	7.40	7.35	7.40
TSM	—	—	—	—	—	—	—	—
PH(FD)	—	—	—	—	—	—	—	—
PH(LB)	—	—	—	—	—	—	—	—
H (MG/KG) (MVAL/KG)	0.0	0.0	0.247	0.441	0.240	0.441	0.240	0.441
K	16.350	9.670	17.240	17.240	17.240	17.240	17.240	17.240
NA	397.400	169.400	392.100	392.100	392.100	392.100	392.100	392.100
NH4	—	—	—	—	—	—	—	—
CA	46.780	36.750	44.270	44.270	44.270	44.270	44.270	44.270
MG	1.014	1.083	1.014	1.014	1.014	1.014	1.014	1.014
FE	0.698	0.336	0.012	0.012	0.012	0.012	0.012	0.012
MN	TR.	—	TR.	TR.	TR.	TR.	TR.	TR.
ZN	—	—	—	—	—	—	—	—
CU	—	—	—	—	—	—	—	—
PB	—	—	—	—	—	—	—	—
AL	0.246	0.207	0.023	0.023	0.183	0.020	0.028	0.003
CL	472.200	13.321	5.402	13.332	472.600	13.332	631.800	17.823
BR	—	—	—	—	—	—	—	—
I	—	—	—	—	—	—	—	—
F	—	—	—	—	—	—	—	—
OH	107.000	2.228	1.894	0.000	0.003	0.000	148.500	3.088
S04	—	—	—	—	107.000	2.228	—	—
S203	—	—	—	—	—	—	—	—
HC03	282.300	4.627	2.522	4.524	276.000	4.524	67.060	1.099
C03	0.083	0.003	0.002	0.014	0.407	0.014	—	—
SI02 (MG/KG) (MMOL/KG)	145.609	2.424	1.399	1.699	102.033	1.699	120.011	1.998
H002	32.858	0.750	0.250	0.550	24.096	0.550	0.018	0.000
H3P04	—	—	0.380	0.003	0.280	0.003	0.465	0.005
HAS02	0.216	0.002	0.001	0.002	0.259	0.002	—	—
C02	136.400	3.099	1.337	0.755	33.250	0.755	25.950	0.590
H2S	—	—	—	—	—	—	0.225	0.007
RN (*E-10 CURIE/L)	—	—	—	—	—	—	—	—
NA/K	41.333	29.790	38.677	35.475	38.677	35.475	38.677	35.475
CA/(HC03+C03)	0.504	0.726	0.487	0.795	0.487	0.795	0.487	0.795
MG/CA	0.036	0.068	0.038	0.094	0.038	0.094	0.038	0.094
NA/CA	7.406	4.018	7.721	23.423	7.721	23.423	7.721	23.423
CL/(HC03+C03)	2.877	2.140	2.938	16.216	2.938	16.216	2.938	16.216
CL/F	—	—	—	—	—	—	—	—
CL*100/(CL+S04+HC03+C03)	66.016	55.012	66.339	80.378	66.339	80.378	66.339	80.378
S04*100/(CL+S04+HC03+C03)	11.040	19.283	11.085	14.028	11.085	14.028	11.085	14.028
(HC03+C03)*100/(CL+S04+HC03+C03)	22.944	25.706	22.577	4.994	22.577	4.994	22.577	4.994
(NA+K)*100/(NA+K+CA+MG)	87.985	79.542	88.416	95.656	88.416	95.656	88.416	95.656
CA*100/(NA+K+CA+MG)	11.600	19.152	11.163	3.972	11.163	3.972	11.163	3.972
MG*100/(NA+K+CA+MG)	0.415	1.306	0.422	0.372	0.422	0.372	0.422	0.372
(CL+S04)*100/(CL+S04+HC03+C03)	77.056	74.294	77.423	95.006	77.423	95.006	77.423	95.006
(HC03+C03)*100/(CL+S04+HC03+C03)	22.944	25.706	22.577	4.994	22.577	4.994	22.577	4.994
(NA+K)*100/(NA+K+CA+MG)	87.985	79.542	88.416	95.656	88.416	95.656	88.416	95.656
(CA+MG)*100/(NA+K+CA+MG)	12.015	20.548	11.584	4.544	11.584	4.544	11.584	4.544

第43-2表 加藍岳地域水質一覽表 (つづき)

	GKC 73	GKC 74	GKC 75	GKC 76
NO	70.0	66.0	65.5	62.0
TSM	1422.500	1531.200	1530.000	1203.000
PH(TD)	7.30	7.90	6.75	7.02
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	16.830	16.140	0.431	0.431
NA	350.500	378.500	15.247	17.035
NH4	TR.	TR.	TR.	0.015
CA	50.950	51.790	2.542	2.459
MG	1.520	1.014	0.123	0.125
FE	0.084	0.176	0.003	0.012
MN	TR.	TR.	TR.	-
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.182	0.245	0.020	0.029
CL	406.000	412.700	11.453	13.744
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	0.003	0.013	0.001	0.002
S04	109.500	109.100	2.280	2.031
S2O3	-	-	-	-
HC03	351.000	349.700	5.753	4.529
C03	0.517	1.650	0.017	0.003
S1O2 (MG/KG) (MMOL/KG)				
HB02	94.003	144.981	1.565	2.564
H3PO4	19.713	24.093	0.450	0.550
HAS02	-	-	-	-
C02	0.302	0.259	0.003	0.003
H2S	42.200	108.500	0.959	2.399
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	35.415	39.880	39.568	39.887
CA/(HC03+C03)	0.441	0.447	0.543	0.455
MG/CA	0.049	0.032	0.051	0.123
NA/CA	5.997	6.371	6.927	6.809
CL/(HC03+C03)	1.985	2.012	3.033	2.336
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	58.725	59.097	67.682	62.901
S04*100/(CL+S04+HC03+C03)	11.689	11.530	10.000	10.171
(HC03+C03)*100/(CL+S04+HC03+C03)	29.586	29.373	22.318	26.928
(NA+K)*100/(NA+K+CA+MG)	85.459	86.351	87.111	86.146
CA*100/(NA+K+CA+MG)	13.859	13.222	12.265	12.342
MG*100/(NA+K+CA+MG)	0.682	0.427	0.624	1.512
(CL+S04)*100/(CL+S04+HC03+C03)	70.414	70.627	77.682	73.072
(HC03+C03)*100/(CL+S04+HC03+C03)	29.586	29.373	22.318	26.928
(NA+K)*100/(NA+K+CA+MG)	85.459	86.351	87.111	86.146
(CA+MG)*100/(NA+K+CA+MG)	14.541	13.649	12.889	13.854

第43-2表 加藍岳地域水質一覽表 (つづき)

	GKC 81		GKC 97		GKC 98		GKC 99	
NO	61.0	60.0	80.0	43.0	80.0	43.0	43.0	
TEMP	314.500	1327.000	1460.000	317.000	1460.000	317.000	317.000	
TSM	8.70	4.00	9.30	6.33	9.30	6.33	6.33	
PH(FD)	-	-	-	-	-	-	-	
PH(LB)	-	-	-	-	-	-	-	
H (MG/KG) (MVAL/KG)								
K	1.173	0.030	0.806	0.122	0.831	0.122	0.122	
NA	69.680	3.031	13.050	4.750	10.875	35.250	1.533	
NR4	-	-	-	-	-	-	-	
CA	TR.	17.500	0.873	21.700	0.474	21.700	1.083	
MG	TR.	11.070	0.911	10.580	0.405	10.580	0.871	
FE	0.476	0.017	0.025	0.0	0.025	0.0	0.0	
MIN	-	-	-	-	-	-	-	
MN	-	-	-	-	-	-	-	
ZN	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	
AL	0.240	0.027	0.500	0.0	0.056	0.0	0.0	
CL	5.496	0.155	6.402	31.030	3.201	31.030	0.875	
BR	-	-	0.670	0.130	0.003	0.130	0.002	
I	-	-	0.210	0.420	0.002	0.420	0.003	
F	-	-	-	-	-	-	-	
OH	0.084	0.005	2.776	28.710	2.343	28.710	0.598	
SO4	7.408	0.154	112.550	129.670	4.251	129.670	2.125	
S2O3	156.700	2.568	4.776	61.005	0.077	61.005	1.016	
HC03	4.624	0.154	1.700	51.350	2.850	51.350	1.167	
CO3	-	-	-	-	-	-	-	
SI02 (MG/KG) (MMOL/KG)								
HB02	58.802	0.979	3.971	28.710	4.579	28.710	1.016	
H3PO4	6.686	0.153	0.154	28.710	0.077	28.710	1.016	
HAS02	0.001	0.000	-	-	-	-	-	
CO2	0.753	0.017	-	-	-	-	-	
H2S	-	-	-	-	-	-	-	
RN (*E-10 CURIE/L)	-	-	-	-	-	-	-	
NA/K	101.018	16.196	13.081	12.620	0.067	12.620	0.509	
CA/(HC03+CO3)	-	0.135	0.854	0.804	0.854	0.804	0.804	
MG/CA	-	1.043	22.941	1.416	22.941	1.416	1.416	
NA/CA	-	14.944	0.451	0.412	0.451	0.412	0.412	
CL/(HC03+CO3)	0.057	0.989	-	-	-	-	-	
CL/F	-	-	-	-	-	-	-	
CL*100/(CL+S04+HC03+CO3)	5.114	40.899	25.315	24.326	16.532	24.326	24.326	
S04*100/(CL+S04+HC03+CO3)	5.087	17.734	16.532	16.611	16.532	16.611	16.611	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	89.799	41.368	56.153	59.062	56.153	59.062	59.062	
(NA+K)*100/(NA+K+CA+MG)	-	88.592	93.016	45.863	93.016	45.863	45.863	
CA*100/(NA+K+CA+MG)	-	5.583	3.767	30.009	3.767	30.009	30.009	
MG*100/(NA+K+CA+MG)	-	5.825	3.217	24.128	3.217	24.128	24.128	
(CL+S04)*100/(CL+S04+HC03+CO3)	10.201	58.632	43.847	40.938	56.153	40.938	40.938	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	89.799	41.368	56.153	59.062	56.153	59.062	59.062	
(NA+K)*100/(NA+K+CA+MG)	-	88.592	93.016	45.863	93.016	45.863	45.863	
(CA+MG)*100/(NA+K+CA+MG)	-	11.408	6.984	54.137	6.984	54.137	54.137	

第 43-2 表 伽藍岳地域水質一覽表 (つづき)

NO	GKC100		GKC101		GKC102		GKC103	
	TEMP	TSM	50.0	90.0	36.250	17.813	38.130	70.0
PH(FD)	2642.000	268.000	1571.000	1571.000	1487.000	1487.000	1487.000	1487.000
PH(LB)	2.51	5.60	8.20	8.20	9.65	9.65	9.65	9.65
H (MG/KG)(MVAL/KG)								
K	18.470	0.472	4.250	0.109	0.927	0.927	0.975	0.975
NA	182.500	7.939	30.560	1.329	17.813	17.813	16.086	16.086
NH4								
CA	232.500	11.602	17.140	0.855	0.087	0.087	0.062	0.062
MG	44.280	3.644	10.090	0.830	0.630	0.630	0.026	0.026
FE	78.750	2.820	0.700	0.025	0.000	0.000	0.320	0.320
MN	2.330	0.085	0.0	0.0	0.0	0.0	0.0	0.0
ZN								
CU								
PB								
AL	74.920	8.330	0.500	0.056	0.0	0.0	0.060	0.060
CL	9.750	0.275	24.820	0.700	377.650	10.654	267.720	7.552
BR	0.130	0.002	0.0	0.800	0.800	0.010	0.210	0.003
I	0.0	0.210	0.850	0.002	0.850	0.007	0.850	0.007
F								
OH								
S04	1593.740	33.182	38.680	0.805	103.900	2.163	112.960	2.352
S203								
HCO3								
CO3								
SI02 (MG/KG)(MMOL/KG)	282.825	4.709	51.497	0.857	386.529	5.437	356.532	5.936
HB02	0.450	0.010			6.990	0.160	10.150	0.232
H3PO4								
HAS02								
CO2								
H2S	513.540	11.668	168.900	3.837				
RN (*E-10 CURIE/L)								
NA/K	16.803	12.228	19.210	19.210	16.493	16.493	16.493	16.493
CA/(HCO3+CO3)		0.543	0.014	0.014	0.009	0.009	0.009	0.009
MG/CA	0.314	0.971	0.594	0.594	0.409	0.409	0.409	0.409
NA/CA	0.684	1.554	203.388	203.388	257.897	257.897	257.897	257.897
CL/(HCO3+CO3)		0.444	1.761	1.761	1.042	1.042	1.042	1.042
CL/F								
CL*100/(CL+S04+HCO3+CO3)		22.727	56.465	56.465	44.027	44.027	44.027	44.027
S04*100/(CL+S04+HCO3+CO3)		26.140	11.465	11.465	13.710	13.710	13.710	13.710
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)		51.132	32.070	32.070	42.262	42.262	42.262	42.262
(NA+K)*100/(NA+K+CA+MG)	35.555	46.038	99.263	99.263	99.488	99.488	99.488	99.488
CA*100/(NA+K+CA+MG)	49.042	27.381	0.364	0.364	0.364	0.364	0.364	0.364
MG*100/(NA+K+CA+MG)	15.403	26.581	0.275	0.275	0.149	0.149	0.149	0.149
(CL+S04)*100/(CL+S04+HCO3+CO3)		48.668	67.930	67.930	57.738	57.738	57.738	57.738
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)		51.132	32.070	32.070	42.262	42.262	42.262	42.262
(NA+K)*100/(NA+K+CA+MG)	35.555	46.038	99.263	99.263	99.488	99.488	99.488	99.488
(CA+MG)*100/(NA+K+CA+MG)	64.445	53.962	0.737	0.737	0.512	0.512	0.512	0.512

第43-2表 伽藍岳地域水質一覽表 (つづき)

	GKC104	GKC105	GKC106	GKC107
NO	85.0	60.0	40.0	70.0
TEMP	1725.000	532.000	289.000	389.000
TSM				
PH(FD)		2.70	6.50	5.90
PH(LB)	7.17			
H (MG/KG) (MVAL/KG)				
K	70.000	1.791	4.000	0.102
NA	400.000	17.400	12.000	0.522
NH4				
CA	56.760	2.832	49.800	2.485
MG	15.990	1.316	4.180	0.344
FE			3.130	0.112
MN	0.0		1.410	0.051
ZN				
CU				
PB				
AL	0.0		28.560	3.176
CL	538.110	15.180	3.550	0.100
BR	1.600	0.020	0.130	0.002
I	1.270	0.010	0.210	0.002
F				
OH				
SO4	260.270	5.419	315.830	6.576
S2O3				
HCO3	161.700	2.650		
CO3				
SI02 (MG/KG) (MMOL/KG)	184.093	3.065	50.005	0.833
HBO2	18.040	0.412	1.130	0.026
H3PO4				
HASO2				
CO2	14.840	0.337	171.180	3.889
H2S				
RN (*E-10 CURIE/L)				
NA/K	9.717	5.102		8.503
CA/(HCO3+CO3)	1.069			0.501
MG/CA	0.465	0.138		1.277
NA/CA	6.145	0.210		2.220
CL/(HCO3+CO3)	5.728			0.628
CL/F				
CL*100/(CL+SO4+HCO3+CO3)	65.293			10.392
SO4*100/(CL+SO4+HCO3+CO3)	23.308			0.501
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	11.399			1.277
(NA+K)*100/(NA+K+CA+MG)	82.226	18.079	33.554	51.664
CA*100/(NA+K+CA+MG)	12.136	71.960	54.735	21.232
MG*100/(NA+K+CA+MG)	5.638	9.961	41.710	27.103
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	88.601		58.290	60.821
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	11.399		41.710	39.179
(NA+K)*100/(NA+K+CA+MG)	82.226	18.079	33.554	51.664
(CA+MG)*100/(NA+K+CA+MG)	17.774	81.921	66.461	48.336

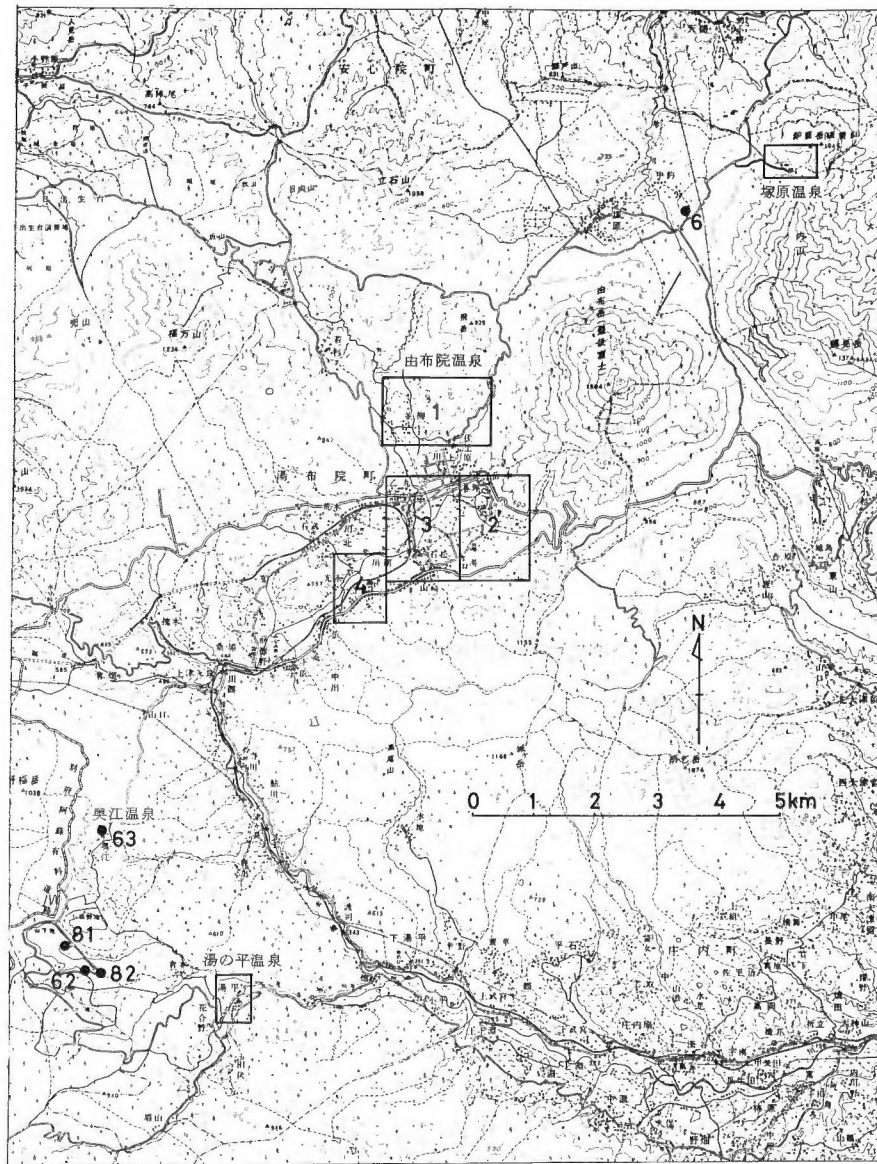
第43-3表 伽藍岳地域特定成分含量の頻度分布表

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

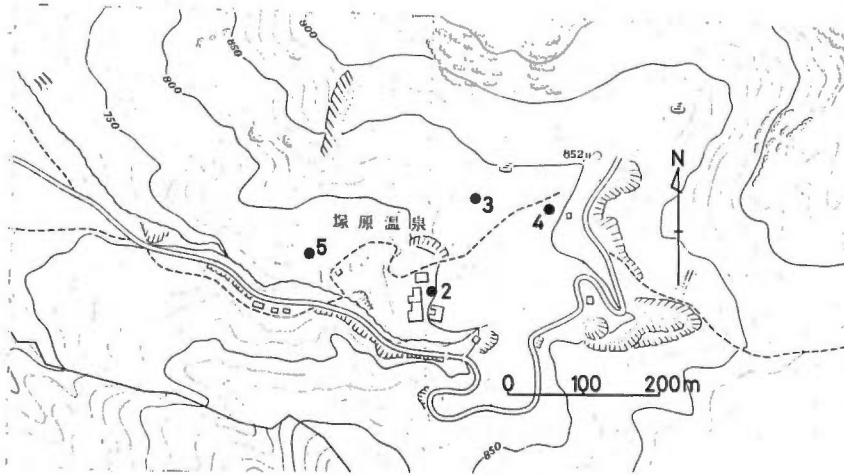
ZN		CU		PB		AS		H2S			
Category	N	F(%)	Category	N	F(%)	Category	N	F(%)	Category	N	F(%)
ND	81	88.0	ND	85	92.3	ND	39	42.4	ND	68	73.9
<0.500	10	10.9	<0.300	7	7.7	<0.100	0	0.0	< 1.000	20	21.8
<5.000	1	1.1	<3.000	0	0.0	<1.000	0	0.0	< 10.000	4	4.3
>5.000	0	0.0	>3.000	0	0.0	>1.000	0	0.0	<100.000	0	0.0
TOTAL	92	100.0	TOTAL	92	100.0	TOTAL	92	100.0	>100.000	0	0.0
PB		AS		H2S		TOTAL		TOTAL		TOTAL	
ND	92	100.0	ND	39	42.4	ND	68	73.9	ND	92	100.0
<0.100	0	0.0	<0.050	9	9.8	< 1.000	20	21.8	< 1.000	20	21.8
<1.000	0	0.0	<0.500	44	47.8	< 10.000	4	4.3	< 10.000	4	4.3
>1.000	0	0.0	<5.000	0	0.0	<100.000	0	0.0	<100.000	0	0.0
TOTAL	92	100.0	>5.000	0	0.0	>100.000	0	0.0	>100.000	0	0.0
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
92	100.0	92	100.0	92	100.0	92	100.0	92	100.0	92	100.0

N= NUMBER OF SAMPLES
F= FREQUENCY(%)

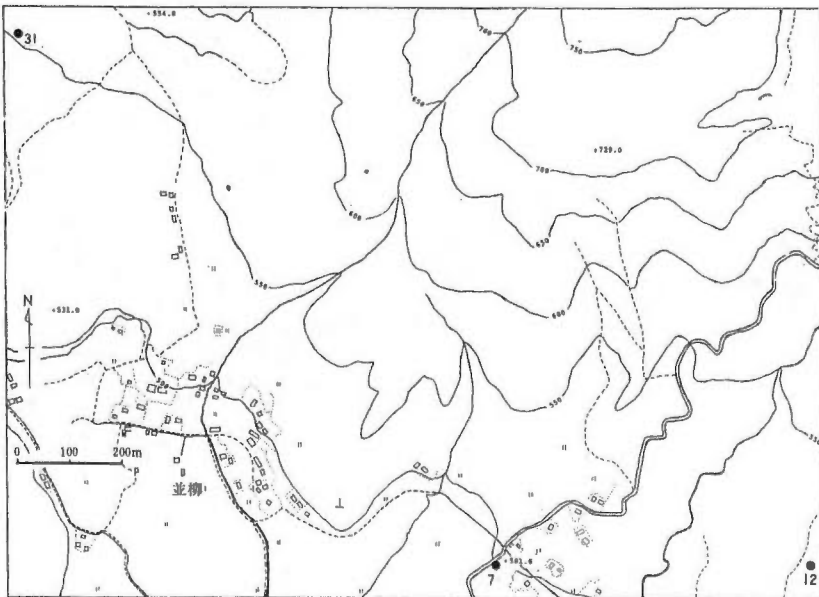
第 43-1 図 伽藍岳地域の温泉分布及び試料採取地（湯布院町）



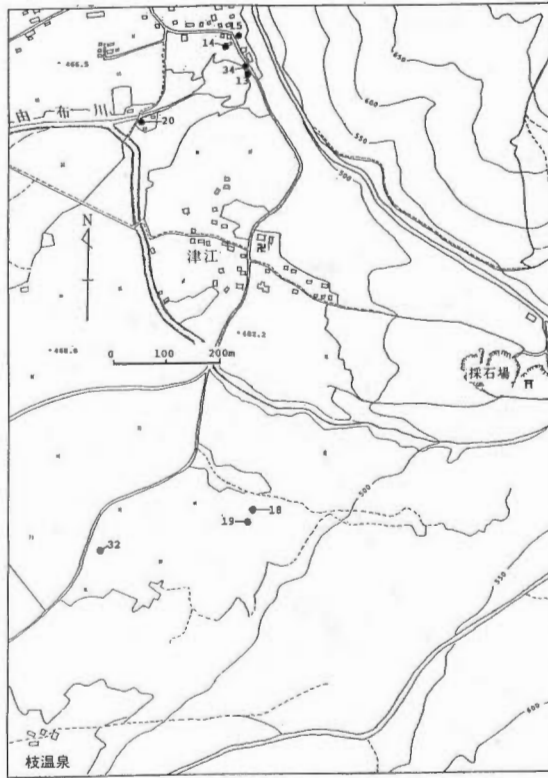
第43-2図 試料採取地(塚原温泉)



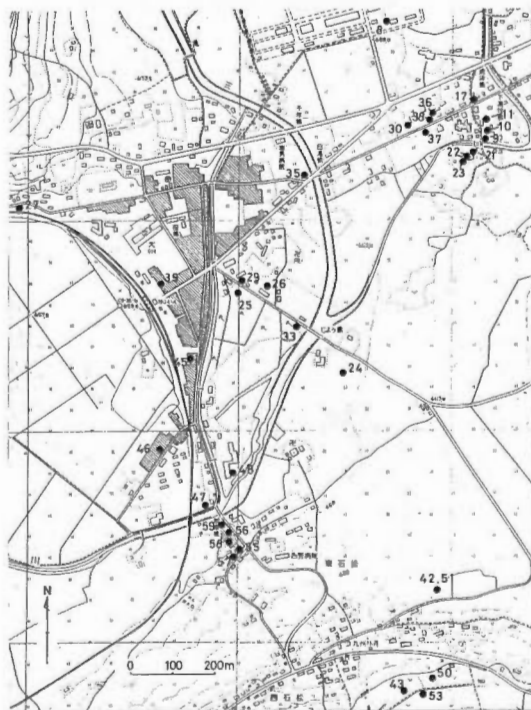
第43-3図 試料採取地(由布院温泉-1)



第 43-4 図 試料採取地 (由布院温泉—2)



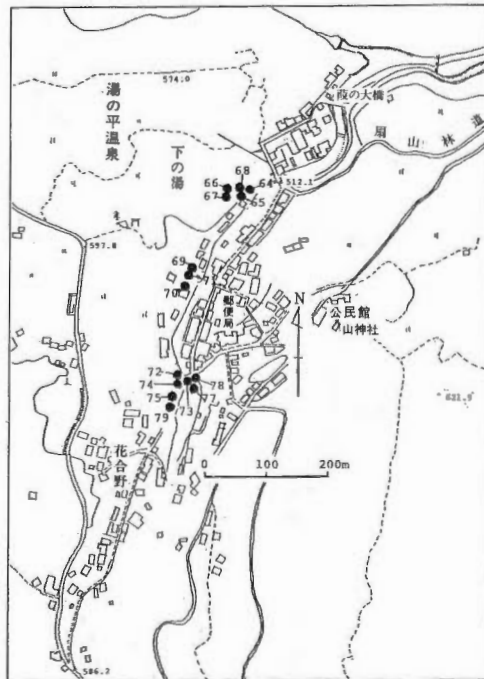
第 43-5 図 試料採取地 (由布院温泉—3)



第 43-6 図 試料採取地 (由布院温泉-4)

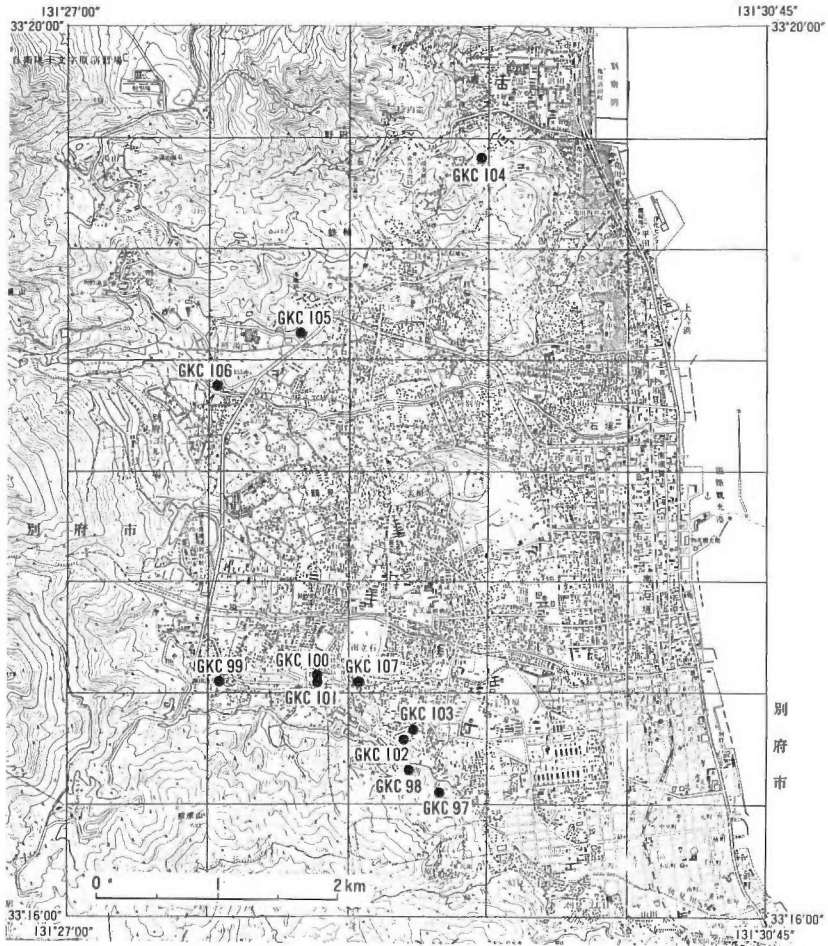


第 43-7 図 試料採取地 (湯の平温泉)



第43-8図 試料採取地（別府温泉）

（この地図は、国土地理院発行の2万5千分の1地形図「別府西部」及び「別府東部」を使用したものである。）

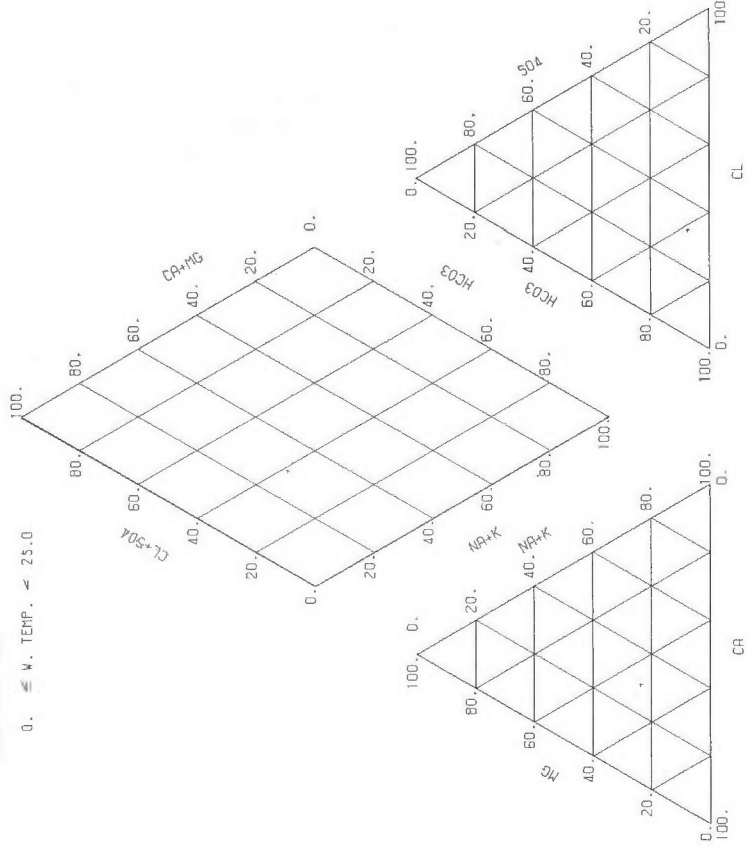


第43-9図 加藍岳地域水質組成図(その1)(水溫25℃未満)

GARAN-DAKE

AREA CODE GKC

0. ≦ N. TEMP. ≦ 25.0

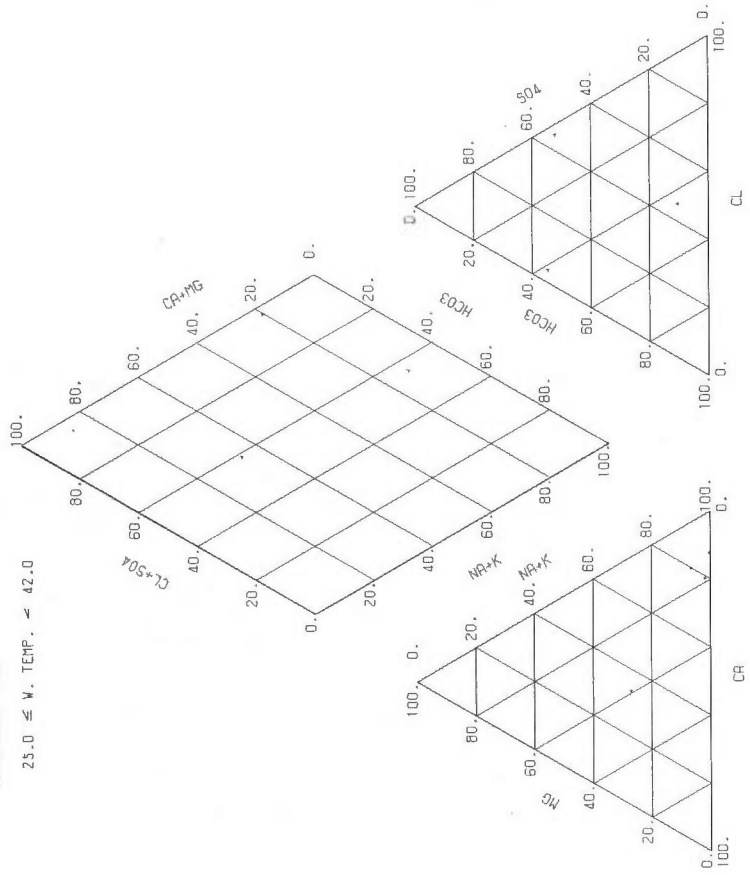


第43-9図 加藍岳地域水質組成図(その2)(水溫25℃以上42℃未満)

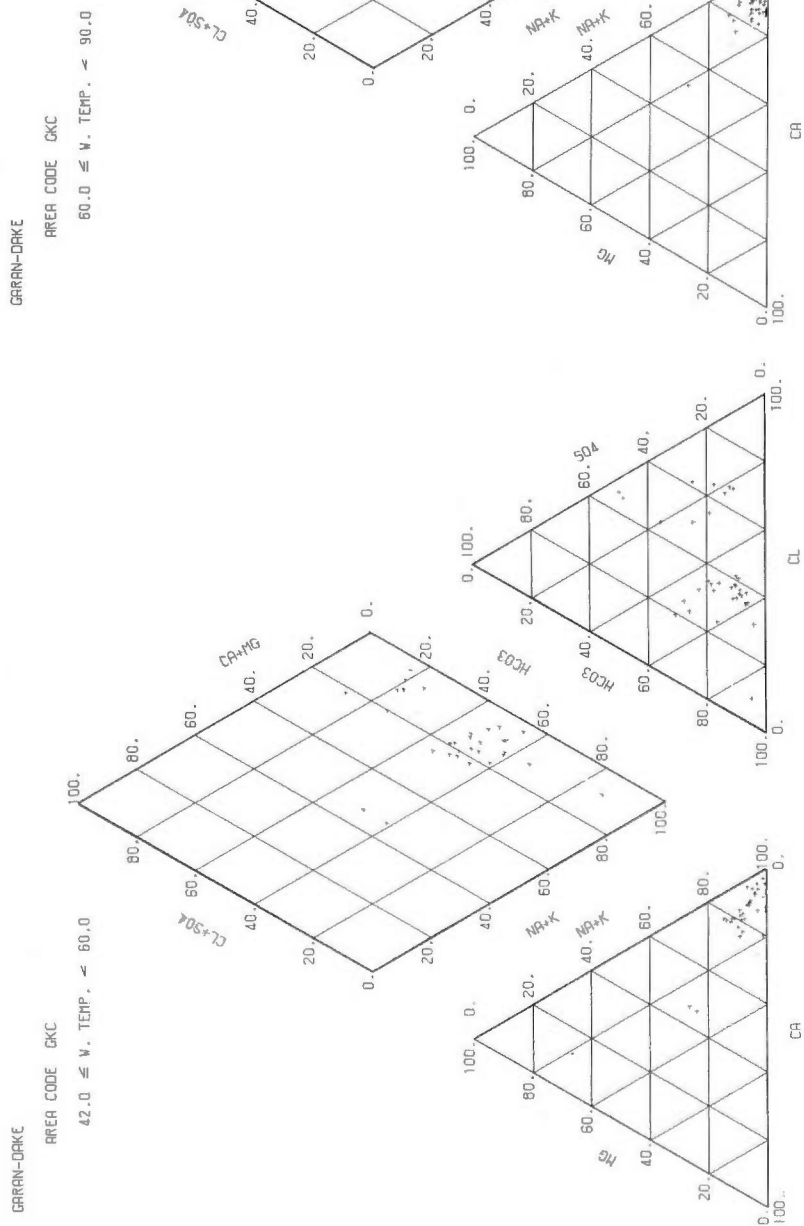
GARAN-DAKE

AREA CODE GKC

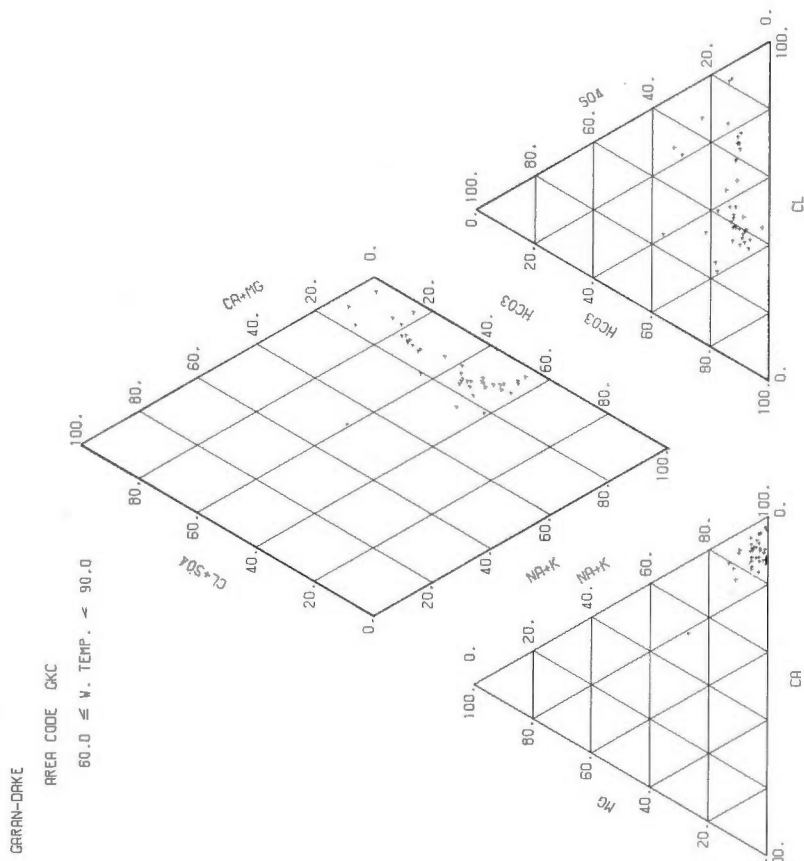
25.0 ≦ N. TEMP. ≦ 42.0



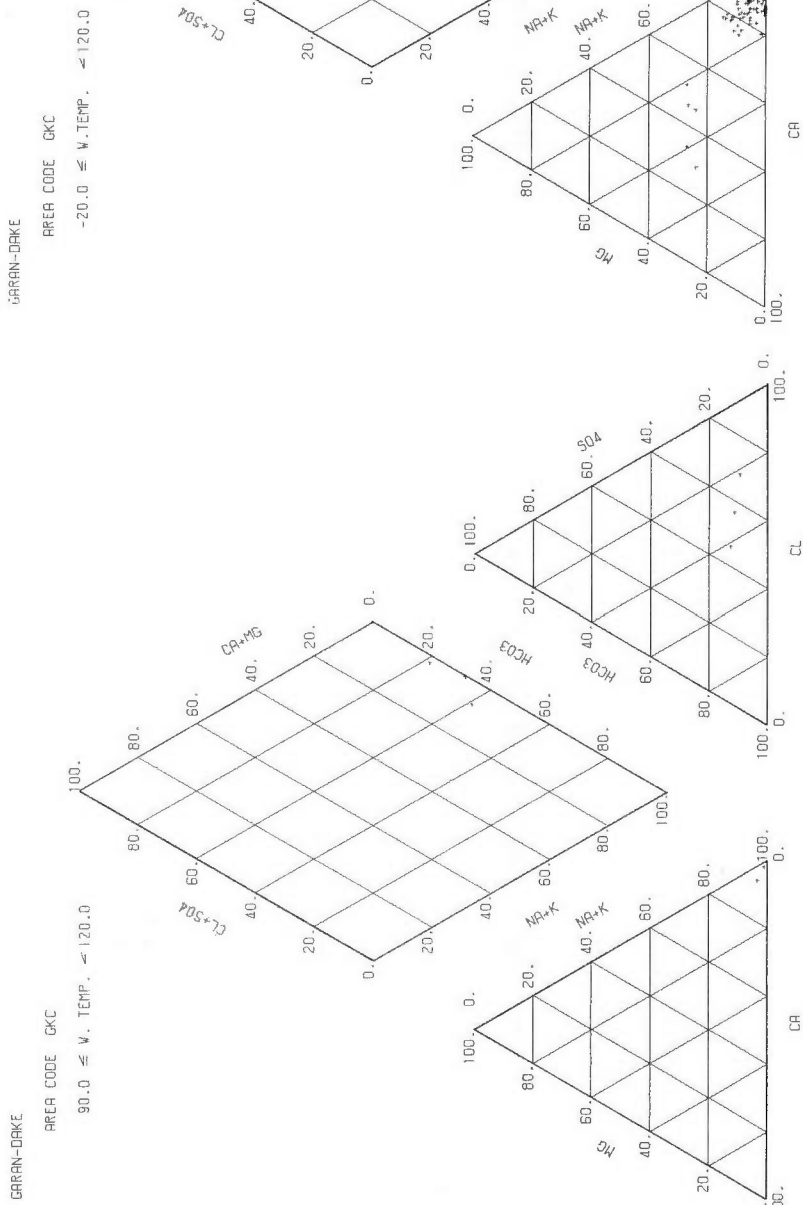
第 43-9 図 伽藍岳地域水質組成図 (その 3) (水温42℃以上60℃未満)



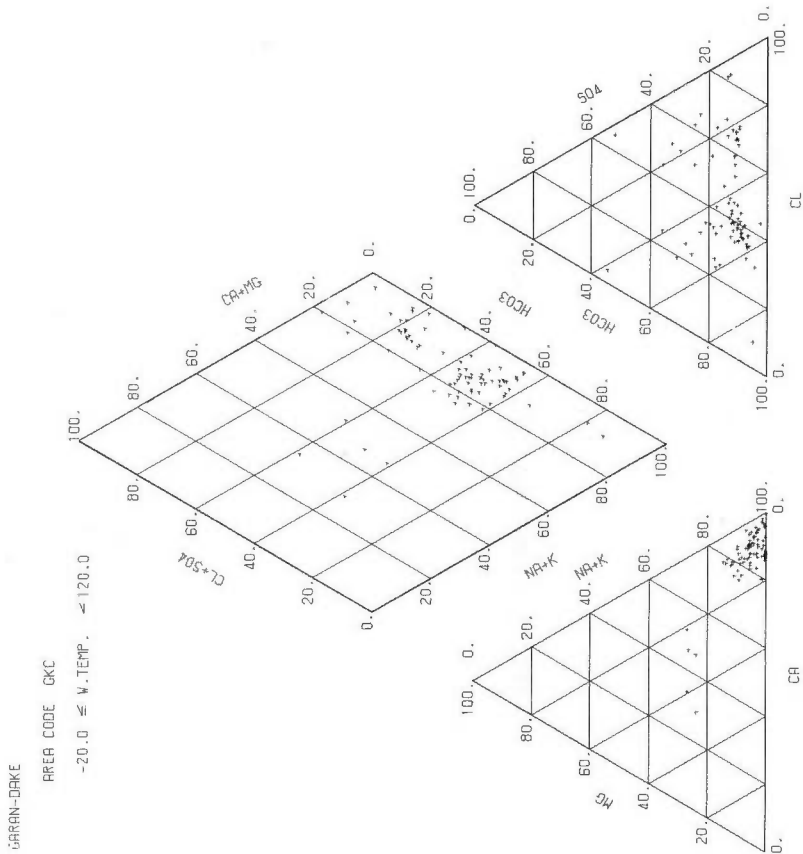
第 43-9 図 伽藍岳地域水質組成図 (その 4) (水温60℃以上90℃未満)



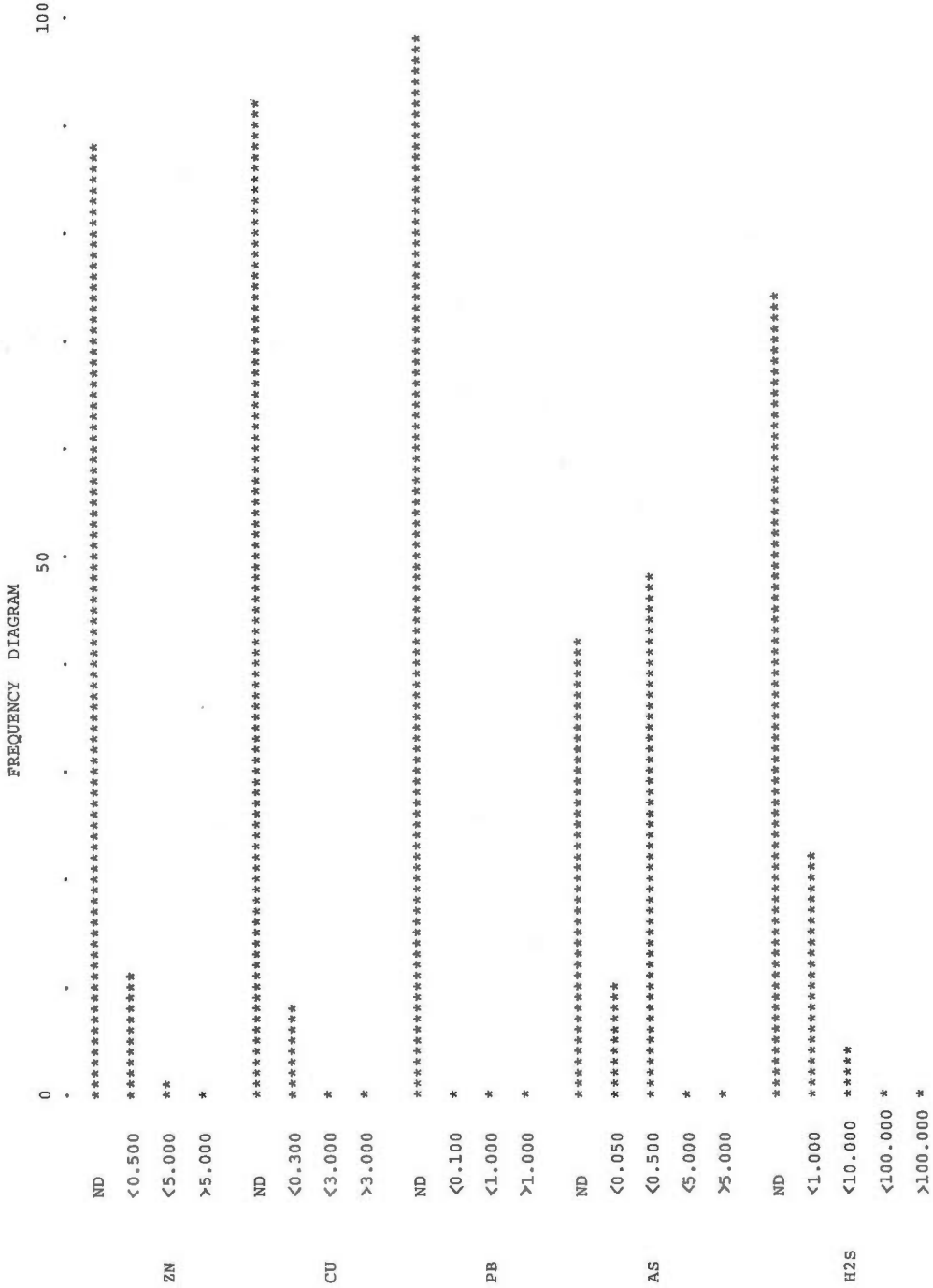
第 43-9 図 伽藍岳地域水質組成図 (その 5) (水温90℃以上120℃未満)



第 43-9 図 伽藍岳地域水質組成図 (その 6) (全試料)



第43-10図 伽藍岳地域特定成分量の頻度分布図

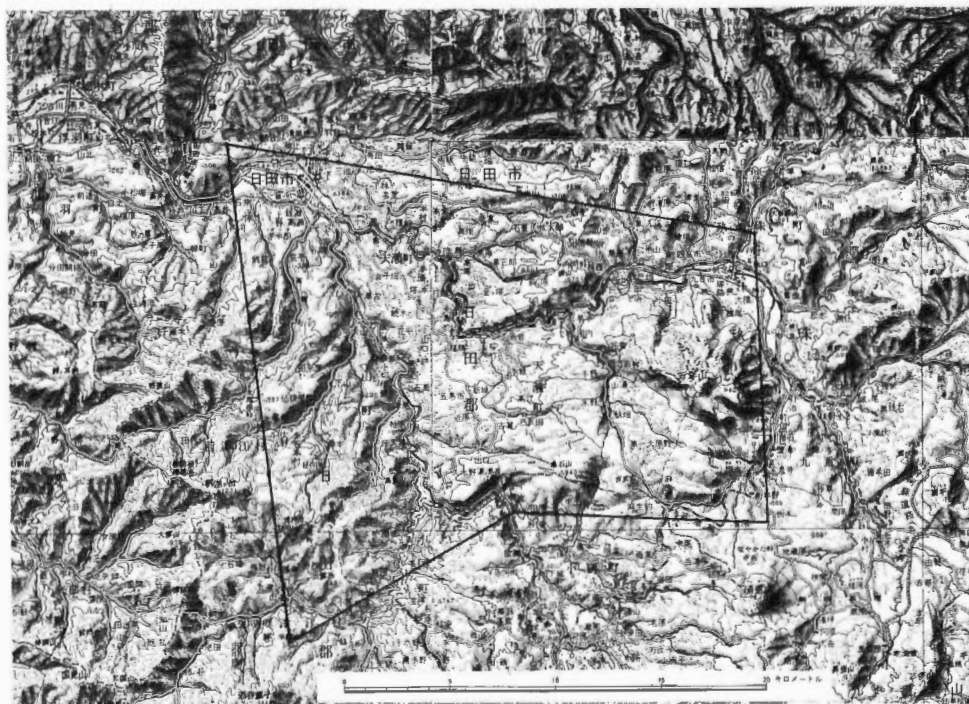


44. 天ヶ瀬

Amagase

位 置	熊本県阿蘇郡小国町，大分県日田市，同玖珠郡玖珠町， 同郡九重町，同日田郡天瀬町，同郡中津江町
データ数	139
収集・整理	永井 茂・比留川 貴
協 力	熊本県企業局，同衛生公害研究所，大分県企画調査室， 同環境保健部，同企業局

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「熊本」，「大分」を使用したものである）



第 44-1 表 天ヶ瀬地域試料一覧表

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
MTC-1	大分県日田市大字隈字田中町200	日田	水郷日田	1955. 1. 11	22	衛研温第 2号	Q=90l/m, P, ×
"-2	" 玖珠郡九重町大字田字宝泉寺2110	宝泉寺	共同温泉	1957. 6. 6	23	" 85号	F
"-3	" " " " 2063	"	いづみや	" 6. 6	"	" 86号	×
"-4	" " " " 字平原2190, 2193	"	(矢野駒吉)	" 6. 6	"	" 87号	×
"-5	" " " " 字串野2951	串野	下湯	" 6. 6	"	" 88号	×
"-6	" " " " 字生竜1942	生竜	(佐藤熊太)	" 6. 5	"	" 89号	×
"-7	" " " " 字壁湯56	壁湯	共同温泉	" 6. 5	"	" 90号	F
"-8	" " " " " 62の1	"	(岐部武治)	" 6. 5	"	" 91号	×
"-9	" " " " 大字菅原字川底1450の3	川底	(吉光源五郎)	" 6. 6	"	" 92号	Q=184l/m
"-10	" " " " 日田郡天瀬町大字桜竹字神田362の1	天瀬	神田湯	" 3. 29	"	" 37号	D=3m, Q=90l/m, F
"-11	" " " " " 362の1先	"	滝の湯	" 3. 28	"	" 38号	D=0m, Q=63l/m, P
"-12	" " " " " 364の3	"	双葉温泉	" 3. 27	"	" 39号	×
"-13	" " " " " 字湯の上470の5	"	水光温泉	" 3. 29	"	" 40号	Q=30l/m, P
"-14	" " " " " 469	"	湯の香温泉	" 3. 28	"	" 41号	D=0m, Q=90l/m, P
"-15	" " " " 大字湯山1135	"	(森山松次)	" 3. 28	"	" 42号	D=0m, 混合泉
"-16	" " " " " 1140の1	"	天竜荘	" 3. 28	"	" 43号	D=0m, Q=90l/m, P
"-17	" " " " " 1135	"	大船温泉	" 3. 27	"	" 44号	D=3m, Q=22l/m, P
"-18	" " " " " 1143	"	(古賀大助)	" 3. 28	"	" 45号	
"-19	" " " " " 1143	"	(古賀大助)	" 3. 28	"	" 46号	
"-20	" " " " " 1145の2	"	(小野京一)	" 3. 29	"	" 47号	×
"-21	" " " " 大字桜竹字神田	"	浮羽温泉	" 3. 28	"	" 48号	D=0m, Q=90l/m, P
"-22	" " " " 大字赤岩字湯ノ釣6の2	"	赤岩湯	" 3. 29	"	" 49号	D=0m, Q=80l/m, F
"-23	" " " " " 2の5	"	小松屋	" 3. 29	"	" 50号	D=160m, Q=27l/m, P
"-24	" " " " " 101の9	"	日の口温泉	" 3. 29	"	" 51号	D=0m, Q=90l/m, F, ×
"-25	" " " " 大字湯山字湯1140の1	"	百度温泉	1960. 2. 17	24	" 243号	
"-26	" " " " " 1135の1先	"	天竜荘内湯	" 2. 18	"	" 244号	
"-27	" " " " " 1160の12先	"	湯山区共同	" 2. 18	"	" 245号	
"-28	" " " " " 1143の先	"	成天閣3号	" 5. 11	"	" 258号	×
"-29	" " " " 玖珠郡九重町大字田字釜2351の先川敷	宝泉寺	菅原温泉	" 2. 15	"	" 247号	D=60m, Q=173l/m, F
"-30	" " " " " 2205の3	"	(池辺弥八郎)	" 2. 16	"	" 248号	×
"-31	" " " " " 2958の1	串野	梅木温泉	" 2. 15	"	" 249号	D=150m, Q=11l/m, F
"-32	" " " " " 字宝泉寺2112	宝泉寺	新宝泉寺	" 2. 15	"	" 251号	D=48m, Q=100l/m, P
"-33	" " " " " 2356	"	宝米温泉	" 6. 23	"	" 256号	×
"-34	" " " " 大字菅原字滝ノ原1864の1	"	宝泉寺九重温泉	" 2. 15	"	" 250号	×
"-35	" " " " " 1861の1	"	(佐藤忠)	" 6. 23	"	" 257号	D=200m, Q=34l/m, F
"-36	" " " " 日田市大字上野字ダイム5の1	日田	市営1号京町	" 5. 10	"	" 259号	D=700m, Q=220l/m, P
"-37	" " " " 日田郡中津江村大字栃野字瀬ノ上2776	(津江)	津江1号	1961. 2. 9	25	" 286号	×

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
MTC-38	大分県玖珠郡九重町大字町田字峯2424の3	宝泉寺	(中谷秋義)	1961. 3. 28	25	衛研温第289号	D=170m, Q=134l/m, F
"-39	" " " " " 2424の4	"	湯乃甲温泉	" 3. 28	"	" 291号	D=171m, Q=50l/m, F
"-40	" " " " " 2347の21ほか	"	山の湯2号	" 6. 30	"	" 309号	x
"-41	" " " " " 大字菅原1858	"	高瀬温泉	" 6. 30	"	" 310号	x
"-42	日田郡天瀬町大字赤岩字銭亀石908の2	湯釣	嵐山温泉	" 6. 28	"	" 311号	D=148m, Q=1l/m
"-43	日田市大字隈字田中町196の1ほか	日田	市営三隈町温泉	" 6. 28	"	" 312号	D=634m, Q=260l/m, P
"-44	日田郡天瀬町大字赤岩字湯釣913の2先	湯釣	湯釣2号	" 6. 29	"	" 313号	x
"-45	" " " " " 大字湯山1140の1	天瀬	ちくし2号	" 6. 29	"	" 314号	D=2m, Q=34l/m, P
"-46	" " " " " 大字桜竹字古湯476の先	"	(日隈正)	" 6. 29	"	" 315号	x
"-47	" " " " " 中津江村大字栃野字測ノ上2777	(津江)	津江2号	" 12. 12	"	" 352号	x
"-48	" " " " " 天瀬町大字赤岩字湯釣7の6	天瀬	山懐荘内湯	" 12. 18	"	" 353号	D=100m, Q=30l/m, P
"-49	日田市夜明大字小谷2670	日田	夜明鉱泉	" 12. 13	26	" 367号	x
"-50	玖珠郡九重町大字町田2940の2	串野	(梅木定喜)	1962. 11. 6	"	" 416号	D=200m, Q=7l/m
"-51	日田郡天瀬町大字赤岩字下池田137の7先	天瀬	(織田亮一)	" 11. 8	"	" 418号	D=7m, Q=48l/m, P, x
"-52	" " " " " 字伎場913の2先	湯釣	(武石政夫ほか)	" 11. 8	"	" 419号	x
"-53	" " " " " 917の3先川敷	"	溪仙閣内湯	" 11. 8	"	" 420号	D=100m, Q=80l/m, F
"-54	玖珠郡九重町大字菅原字桐木1450の6	川底	桐木共同	" 11. 6	"	" 424号	D=54m, F
"-55	" " " " " 玖珠町大字帆足字坂口357の23	森	(矢幡綱記)	1963. 4. 22	27	" 448号	D=500m, Q=26l/m, P
"-56	" " " " " 字ドウメキ390の3	天瀬	(高倉アキノ)	" 4. 22	"	" 449号	D=300m, Q=48l/m, P
"-57	日田郡天瀬町大字赤岩字湯釣5の2	天瀬	山清荘	" 4. 23	"	" 450号	D=180m, Q=70l/m, P, x
"-58	" " " " " 98の10	"	守屋旅館	" 4. 23	"	" 451号	x
"-59	" " " " " 大字出口字玉の木4202の2	天瀬杖立	肥前屋	" 9. 4	"	" 452号	D=200m, Q=120l/m, P
"-60	" " " " " 4205の7	"	肥前屋大分2号	" 9. 3	"	" 471号	D=200m, Q=150l/m, P
"-61	" " " " " 大字赤岩138の2先	天瀬	水光園別館	" 9. 3	"	" 472号	D=75m, Q=65l/m, P
"-62	" " " " " 100の6	"	江月荘内湯	" 9. 3	"	" 473号	D=186m, F
"-63	玖珠郡九重町大字菅原字滝ノ原1861の7	宝泉寺	中谷記代耳	" 12. 11	"	" 476号	D=150m, Q=15l/m, P
"-64	日田郡天瀬町大字赤岩字伎場913の2	湯釣	溪仙閣2号	1964. 3. 27	28	" 509号	D=40m, Q=46l/m, P
"-65	" " " " " 字湯釣2の5	天瀬	小松屋2号	" 3. 27	"	" 510号	D=3m, Q=96l/m, P
"-66	" " " " " 大字湯山字湯1145の2先	"	ブリダストン天瀬保養所	" 3. 27	"	" 511号	D=166m, Q=90l/m, F
"-67	玖珠郡九重町大字町田字宝泉寺2100先	宝泉寺	山光園内湯	" 8. 5	"	" 515号	D=100m, Q=90l/m, P
"-68	日田郡天瀬町大字赤岩字湯釣913の2先	湯釣	(江藤之ほか)	" 10. 1	"	" 541号	D=100m, Q=90l/m, P
"-69	" " " " " 大字桜竹362の1先	天瀬	神京の湯	" 10. 1	"	" 542号	D=220m
"-70	" " " " " 大字赤岩字伎場913の2先	湯釣	三州峡温泉	" 10. 1	"	" 543号	D=0m, F
"-71	" " " " " 大字赤岩字湯釣2424の8	宝泉寺	(竹尾充文)	1965. 7. 22	29	" 590号	D=200m, Q=100l/m, F
"-72	" " " " " 大字菅原字川底1450の3	川底	壺川荘内湯	" 7. 22	"	" 591号	D=200m, Q=133l/m, P
"-73	" " " " " 大字町田字宝泉寺2101	宝泉寺	山の湯ホテル3号	" 7. 22	"	" 593号	D=200m, Q=106l/m, P
"-74	" " " " " 字峯2366の1	"	観光ホテル内湯	" 10. 1	"	" 594号	D=138m, Q=106l/m, P
"-75	" " " " " 字宝泉寺2106	"	春吉タクシー	" 10. 1	"	"	

No.	産地	温泉名	源泉名	源泉名	源泉名	採水年月日	文献 No.	文献中の 試料 No.	備考
MTC-114	熊本県阿蘇郡小国町大字下城3397	杖立	丸正の湯	丸正の湯	(1955.11.8)	16	第1579号	F, X	
"	"	"	蔵田の湯	蔵田の湯	(" 11.8)	"	第1580号	F, X	
-115	"	"	天津館	天津館	(1959.8.3)	"	第394号	F, X	
-116	"	"	泉屋旅館	泉屋旅館	(" 8.3)	"	第395号	F, X	
-117	"	"	肥前屋3号	肥前屋3号	(" 8.3)	"	第396号	F, X	
-118	"	"	上田屋旅館	上田屋旅館	(1962.4.23)	"	第1419号	F, X	
-119	"	"	水明荘	水明荘	(" 4.23)	"	第1420号	F, X	
-120	"	"	久留米館	久留米館	(" 4.23)	"	第1421号	F, X	
-121	"	"	喜久屋旅館	喜久屋旅館	(" 4.23)	"	第1422号	F, X	
-122	"	"	山水館	山水館	(" 4.23)	"	第1423号	F, X	
-123	"	"	よろず屋旅館	よろず屋旅館	(" 4.23)	"	第1424号	F, X	
-124	"	"	千代の湯	千代の湯	(" 4.23)	"	第1425号	F, X	
-125	"	"	白水荘	白水荘	(" 4.23)	"	第1426号	F, X	
-126	"	"	ふるや旅館	ふるや旅館	(" 4.23)	"	第1427号	F, X	
-127	"	"	長栄荘	長栄荘	(" 4.23)	"	第1428号	F, X	
-128	"	"	薬師湯	薬師湯	(" 4.23)	"	第1429号	F, X	
-129	"	"	さくら湯	さくら湯	(" 4.23)	"	第1430号	F, X	
-130	"	"	流泉湯	流泉湯	(" 4.23)	"	第1431号	F, X	
-131	"	"	旅館むらせ	旅館むらせ	(1963.7.22)	"	第266号	F, X	
-132	"	"	山水館(新)	山水館(新)	(" 7.22)	"	第267号	F, X	
-133	"	"	くきた旅館	くきた旅館	(" 7.22)	"	第268号	F, X	
-134	"	"	ひごや	ひごや	(1968.11.25)	"	第364号	F, X	
-135	"	"	(北里善四郎)	(北里善四郎)	(1969.11.21)	"	第363号	F, X	
-136	"	"	温泉協会	温泉協会	(" 11.21)	"	"	F, X	
-137	"	"	(伊東静生)	(伊東静生)	(" 11.21)	"	"	F, X	
-138	"	"	かねいし旅館	かねいし旅館	1972.5.17	"	第76号	F, X	
-139	"	"						F, X	

温泉名の()は、文献41に記載されていないもの、源泉名の()は分析申請者名、採水年月日の()は報告年月日、備考欄のDは深度(m)、Qは湧・揚水量(l/m)、Pはポンプ揚水、Fは自噴、Xは源泉位置不明、D=0m………Fは自然湧出を示す。

第44-2表 天ヶ瀬地域水質一覧表

	MTC 1	MTC 2	MTC 3	MTC 4
NO	28.0	65.0	67.0	50.0
TEMP	183.200	855.000	554.600	681.600
TSM	7.40	7.20	8.20	7.20
PH(FD)	7.41	7.01	8.10	7.00
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	2.440	14.050	0.359	0.414
NA	18.500	231.300	10.062	16.200
INH4				171.800
CA	8.600	27.630	16.420	14.820
MG	2.790	1.315	0.638	1.315
FE	0.120	0.210	0.008	0.250
MN		0.220	0.008	
ZN				
CU				
PB				
AL		0.060	0.007	0.019
CL	18.790	327.000	9.225	256.500
BR			227.800	7.236
I				
F				
OH		0.003	0.027	0.000
SO4	9.300	26.350	0.549	23.870
SO3				0.497
HCO3	46.810	135.800	2.226	67.910
CO3		0.126	0.004	0.063
SI02 (MG/KG) (MMOL/KG)	55.628	83.195	1.385	108.044
HBO2		0.263	0.006	0.131
H3PO4	2.532		0.771	
HAS02		0.210	0.002	0.205
CO2	3.550	17.700	0.402	13.400
H2S				0.304
IRN (*E-10 CURIE/L)				
NA/K	12.893	27.995	129.569	18.034
CA/(HCO3+CO3)	0.559	0.618	0.662	0.663
MG/CA	0.535	0.114	0.064	0.213
NA/CA	1.875	7.298	8.903	10.106
CL/(HCO3+CO3)	0.691	4.137	5.194	6.489
CL/F				
CL*100/(CL+SO4+HCO3+CO3)	35.553	76.852	78.749	81.780
SO4*100/(CL+SO4+HCO3+CO3)	12.987	4.570	6.090	5.617
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	51.460	18.578	15.161	12.603
(NA+K)*100/(NA+K+CA+MG)	56.830	87.152	89.397	89.788
CA*100/(NA+K+CA+MG)	28.124	11.531	9.964	8.418
MG*100/(NA+K+CA+MG)	15.046	1.318	0.638	1.794
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	48.540	81.422	84.839	87.397
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	51.460	18.578	15.161	12.603
(NA+K)*100/(NA+K+CA+MG)	56.830	87.152	89.397	89.788
(CA+MG)*100/(NA+K+CA+MG)	43.170	12.848	10.603	10.212

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

NO	MTC	MTC	MTC	MTC	MTC	MTC	MTC
TEMP	53.0	44.5	40.0	40.0	40.0	40.0	40.0
TSM	729,800	468,000	336,200	336,200	336,200	336,200	336,200
PH(FD)	7.30	8.00	7.10	7.10	7.10	7.10	7.20
PH(LB)	7.42	7.68	6.92	6.92	6.92	6.92	7.53
H (MG/KG) (MVAL/KG)							
K	20,400	3,050	0,078	0,078	0,078	0,078	3,860
NA	180,000	99,460	4,327	4,327	4,327	4,327	76,950
INH4							
CA	7,206	7,607	0,380	0,380	0,380	0,380	9,208
MG	1,276	2,553	0,210	0,210	0,210	0,210	2,553
FE	0,170	0,110	0,004	0,004	0,004	0,004	0,200
MN							
ZN							
CU							
PB							
AL	0,040	0,025	0,003	0,003	0,003	0,003	0,020
CL	232,000	124,300	3,507	3,507	3,507	3,507	96,800
BR							
I							
F							
OH	0,003	0,017	0,001	0,001	0,001	0,001	0,003
S04	11,520	20,410	0,425	0,425	0,425	0,425	8,370
S203							
HCO3	123,500	61,750	1,012	1,012	1,012	1,012	74,080
CO3	0,114	0,363	0,012	0,012	0,012	0,012	0,069
SI02 (MG/KG) (MMOL/KG)							
HS02	121,420	133,240	2,218	2,218	2,218	2,218	45,402
H3P04	0,302	1,481	0,034	0,034	0,034	0,034	0,066
HAS02	0,235	0,002	0,002	0,002	0,002	0,002	0,137
CO2	0,140	0,097	0,001	0,001	0,001	0,001	0,060
H2S	13,000						5,100
IRN (*E-10 CURIE/L)							
INA/K	15,005	55,455	31,685	31,685	31,685	31,685	33,901
CA/(HCO3+CO3)	0,177	0,371	0,394	0,394	0,394	0,394	0,378
MG/CA	0,292	0,553	0,404	0,404	0,404	0,404	0,457
INA/CA	21,775	11,398	6,740	6,740	6,740	6,740	7,285
CL/(HCO3+CO3)	3,227	3,424	2,239	2,239	2,239	2,239	2,245
CL/F							
CL*100/(CL+S04+HCO3+CO3)	74,266	70,758	67,842	67,842	67,842	67,842	66,256
S04*100/(CL+S04+HCO3+CO3)	2,722	8,575	1,852	1,852	1,852	1,852	4,228
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	23,012	20,667	30,305	30,305	30,305	30,305	29,516
(NA+K)*100/(NA+K+CA+MG)	94,730	88,193	83,195	83,195	83,195	83,195	83,731
CA*100/(NA+K+CA+MG)	4,079	7,601	11,965	11,965	11,965	11,965	11,164
MG*100/(NA+K+CA+MG)	1,191	4,207	4,839	4,839	4,839	4,839	5,105
(CL+S04)*100/(CL+S04+HCO3+CO3)	76,988	79,333	69,695	69,695	69,695	69,695	70,484
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	23,012	20,667	30,305	30,305	30,305	30,305	29,516
(NA+K)*100/(NA+K+CA+MG)	94,730	88,193	83,195	83,195	83,195	83,195	83,731
(CA+MG)*100/(NA+K+CA+MG)	5,270	11,807	16,805	16,805	16,805	16,805	16,269

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

INO	MTC 9		MTC 10		MTC 11		MTC 12	
	60.0	709.200	60.0	1099.400	56.0	726.800	60.0	253.700
TEMP	7.80	7.50	7.50	7.28	7.20	7.50	7.50	7.78
PH (F/D)								
PH (LB)								
H (MG/KG) (MVAL/KG)								
K	29.450	0.753	24.650	0.631	16.140	0.413	4.850	0.124
NA	215.700	9.383	291.600	12.885	183.200	7.969	63.180	2.748
NH4			0.470	0.026	0.110	0.006		
CA	12.810	0.639	17.010	0.849	14.610	0.729	1.000	0.050
MG	2.553	0.210	0.640	0.053	0.640	0.053	0.638	0.053
FE	0.210	0.008	0.120	0.004	0.190	0.007	0.160	0.006
MN			0.080	0.003				
ZN								
CU								
PB								
AL	0.022	0.002			TH.			
CL	285.500	8.054	297.800	8.401	212.700	6.000	56.720	1.600
BR								
I								
F								
OH	0.010	0.001	0.005	0.000	0.003	0.000	0.0	0.531
S04	40.330	0.840	28.840	0.600	51.910	1.081	25.510	
S203								
HC03	86.460	1.417	315.300	5.168	194.800	3.193	53.830	0.882
C03	0.324	0.011	0.588	0.020	0.130	0.004	0.063	0.002
SI02 (MG/KG) (MMOL/KG)	34.001	0.566	130.817	2.178	104.417	1.739	76.405	1.272
HB02	0.719	0.016	11.021	0.252	11.019	0.251	0.607	0.006
H3F04	0.235	0.002	0.332	0.003				
HAS02	0.070	0.001						
C02	5.800	0.132	46.530	1.066	45.780	1.040	3.360	0.076
H2S			10.457	0.307	2.513	0.074		
RN (*E-10 CURIE/L)								
NA/K	12.455		20.117		19.302		22.153	
CA/(HC03+C03)	0.448		0.164		0.228		0.056	
MG/CA	0.325		0.062		0.072		1.052	
NA/CA	14.679		14.944		10.931		55.077	
CL/(HC03+C03)	5.841		1.620		1.877		1.809	
CL/F								
CL*100/(CL+S04+HC03+C03)	78.031		59.208		58.379		53.060	
S04*100/(CL+S04+HC03+C03)	8.135		4.232		10.515		17.613	
(HC03+C03)*100/(CL+S04+HC03+C03)	13.834		36.560		31.106		29.327	
(NA+K)*100/(NA+K+CA+MG)	92.269		93.659		91.470		96.558	
CA*100/(NA+K+CA+MG)	5.815		5.970		7.956		1.677	
MG*100/(NA+K+CA+MG)	1.912		0.370		0.575		1.765	
(CL+S04)*100/(CL+S04+HC03+C03)	86.166		63.440		68.894		70.673	
(HC03+C03)*100/(CL+S04+HC03+C03)	13.834		36.560		31.106		29.327	
(NA+K)*100/(NA+K+CA+MG)	92.269		93.659		91.470		96.558	
(CA+MG)*100/(NA+K+CA+MG)	7.731		6.341		8.530		3.442	

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 13			MTC 14			MTC 15			MTC 16																																			
	TEMP	TSM	PH(FD)	PH(CLB)	H (MG/KG) (MVAL/KG)	K	INA	NH4	CA	MG	FE	MN	CU	PB	AL	CL	BR	I	F	OH	S04	S203	HC03	C03	ST02	HB02	H3P04	HAS02	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	942.400	7.60	7.21	21.730	0.556	11.862	0.010	1.109	0.640	0.132	-	-	-	-	287.100	8.099	-	-	0.007	60.140	-	0.615	133.613	11.017	-	-	5.283	-	21.341	0.258	0.047	10.699	1.883	-	59.322	9.171	31.507	91.447	8.165	0.388	68.493	31.507	91.447	8.553
	53.0	586.800	7.60	7.26	12.360	0.332	6.873	0.080	1.276	0.240	-	-	-	-	TR.	159.500	4.499	-	-	0.007	49.700	-	0.366	147.185	4.409	-	-	11.570	-	20.732	0.282	0.146	9.558	1.767	-	55.684	12.806	31.510	89.736	8.956	1.308	68.490	31.510	89.736	8.553
	1082.000	7.60	7.28	23.350	0.605	310.600	0.390	21.820	0.658	0.200	0.140	-	-	-	TR.	326.200	9.202	-	-	0.000	85.690	-	0.378	128.445	17.637	-	-	15.940	-	22.178	0.251	0.042	12.431	2.140	-	60.198	11.671	28.131	92.575	7.126	0.299	71.869	28.131	92.575	7.425
	0.597	1.3511	0.022	1.069	0.053	0.004	0.007	0.007	0.007	0.007	0.005	-	-	-	-	333.500	9.408	-	-	0.000	64.200	-	0.667	149.196	0.402	-	-	0.362	-	0.214	0.049	12.641	1.887	-	0.706	0.124	0.637	7.018	0.345	68.301	31.699	92.637	7.363		
	0.001	0.001	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	-	-	-	-	-	0.000	0.000	-	0.013	2.139	0.402	-	-	0.362	-	0.214	0.049	12.641	1.887	-	0.706	0.124	0.637	7.018	0.345	68.301	31.699	92.637	7.363		

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

	MTC 17	MTC 18	MTC 19	MTC 20
NO	64.0	57.0	55.0	48.0
TEMP	1095.600	853.600	958.000	1097.200
TSM	7.30	8.00	7.80	7.40
PH(FD)	7.02	7.09	7.05	7.13
PH(CLB)				
H (MG/KG) (MVAL/KG)				
K	23.280	17.140	19.380	22.470
NA	316.100	225.000	236.400	300.800
NH4	0.170	0.100	0.120	0.200
CA	23.220	19.020	19.020	20.820
MG	1.276	1.510	0.638	1.270
FE	0.132	0.090	0.170	0.105
MN	0.140	0.060	0.006	0.130
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	-	-	-	-
CL	333.500	223.300	234.100	322.600
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	0.003	0.017	0.010	0.004
S04	69.960	74.860	74.890	87.240
S203	-	-	-	-
HC03	295.200	215.800	222.600	245.700
C03	0.348	1.272	0.831	0.363
SI02 (MG/KG) (MMOL/KG)	138.027	107.579	95.339	142.798
HR02	17.641	11.016	13.228	13.221
H3PO4	-	-	0.138	0.225
HAS02	-	-	-	-
C02	31.060	28.030	28.290	33.620
H2S	5.671	0.166	0.637	0.764
RN (*E-10 CURIE/L)	-	-	-	-
INA/K	23.090	22.323	20.744	22.765
CA/(HC03+C03)	0.239	0.268	0.258	0.257
MG/CA	0.091	0.166	0.055	0.101
NA/CA	11.867	10.312	10.835	12.595
CL/(HC03+C03)	1.940	1.760	1.796	2.253
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	59.868	55.077	55.780	60.849
S04*100/(CL+S04+HC03+C03)	9.269	13.627	13.170	12.145
(HC03+C03)*100/(CL+S04+HC03+C03)	30.863	31.296	31.050	27.007
(NA+K)*100/(NA+K+CA+MG)	91.904	90.238	91.498	92.276
CA*100/(NA+K+CA+MG)	7.423	8.575	8.056	7.018
MG*100/(NA+K+CA+MG)	0.673	1.587	0.446	0.706
(CL+S04)*100/(CL+S04+HC03+C03)	69.137	68.704	68.950	72.993
(HC03+C03)*100/(CL+S04+HC03+C03)	30.863	31.296	31.050	27.007
(NA+K)*100/(NA+K+CA+MG)	91.904	90.238	91.498	92.276
(CA+MG)*100/(NA+K+CA+MG)	8.096	9.762	8.502	7.724

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

	MTC 21	MTC 22	MTC 23	MTC 24
INO	52.0	89.0	63.0	72.0
TEMP	826.500	1206.800	924.000	1113.800
TSM	7.40	7.70	7.80	7.90
PH(FD)	7.20	7.41	7.00	7.66
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	18.000	27.810	20.550	25.870
NA	222.700	345.400	263.800	353.000
NH4	0.020	0.150	0.130	0.210
CA	13.810	21.020	20.620	17.410
MG	0.640	0.640	0.640	0.640
FE	0.180	0.152	0.180	0.118
MN	0.060	0.110	0.060	0.060
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	TR.	-	-	-
CL	234.000	364.600	250.200	382.900
BR	-	-	-	-
I	-	-	-	-
F	0.004	0.008	0.010	0.013
S04	62.820	67.550	70.010	68.370
S203	-	-	-	-
HCO3	181.500	315.300	227.600	275.200
CO3	0.267	0.830	0.849	1.299
SI02 (MG/KG) (MMOL/KG)				
HR02	128.830	151.201	126.573	159.980
H3PO4	8.814	19.841	15.427	19.846
HAS02	-	-	-	-
CO2	28.640	40.330	20.300	57.390
H2S	1.084	8.129	4.535	6.006
RN (*E-10 .CURIE/L)	-	-	-	-
NA/K	21.040	21.121	21.830	23.204
CA/(HCO3+CO3)	0.224	0.274	0.274	0.191
MG/CA	0.079	0.050	0.051	0.061
NA/CA	14.477	14.324	11.153	17.675
CL/(HCO3+CO3)	2.212	1.978	2.103	2.372
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	60.624	60.894	60.244	64.376
S04*100/(CL+S04+HCO3+CO3)	11.974	8.327	11.109	8.484
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	27.402	30.779	28.647	27.140
(NA+K)*100/(NA+K+CA+MG)	93.359	93.458	91.732	94.560
CA*100/(NA+K+CA+MG)	6.156	6.229	7.865	5.129
MG*100/(NA+K+CA+MG)	0.485	0.313	0.403	0.311
(CL+S04)*100/(CL+S04+HCO3+CO3)	72.598	69.221	71.353	72.860
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	27.402	30.779	28.647	27.140
(NA+K)*100/(NA+K+CA+MG)	93.359	93.458	91.732	94.560
(CA+MG)*100/(NA+K+CA+MG)	6.611	6.542	8.268	5.440

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 25		MTC 26		MTC 27		MTC 28		
	100.0 1330.500 7.80 7.62	92.0 1045.000 7.20 7.30	23.650 338.500 1.000 15.620 2.819 0.900	0.610 14.725 0.055 0.779 0.232 0.032	23.650 269.100 0.600 18.890 2.634 0.348	0.605 11.706 0.033 0.948 0.217 0.012	24.830 299.200 0.800 15.150 0.973 0.590	0.635 11.015 0.044 0.756 0.080 0.021	16.810 208.100 - 22.900 2.674 0.760 0.220
H (MG/KG) (MVAL/KG)									
K	23.650	0.610	23.650	0.605	24.830	0.635	16.810	0.430	
INA	338.500	14.725	269.100	11.706	299.200	11.015	208.100	9.052	
INH4	1.000	0.055	0.600	0.033	0.800	0.044	-	-	
CA	15.620	0.779	18.890	0.948	15.150	0.756	22.900	1.143	
MG	2.819	0.232	2.634	0.217	0.973	0.080	2.674	0.220	
FE	0.900	0.032	0.348	0.012	0.590	0.021	0.760	0.027	
MN	-	-	-	-	-	-	0.220	0.008	
ZN	-	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	-	
AL	0.240	0.027	0.160	0.018	0.320	0.036	0.120	0.013	
CL	313.800	8.852	265.700	7.495	296.700	8.370	235.400	6.641	
BR	-	-	-	-	-	-	-	-	
I	-	-	-	-	-	-	-	-	
F	-	-	-	-	-	-	-	-	
OH	0.010	0.001	0.003	0.000	0.003	0.000	-	-	
S04	65.620	1.366	60.460	1.259	65.050	1.354	55.620	1.158	
S203	2.543	0.045	2.247	0.040	0.870	0.016	3.372	0.060	
HC03	384.400	6.300	280.700	4.601	298.000	4.901	189.200	3.101	
C03	1.437	0.048	0.262	0.009	0.280	0.009	0.044	0.001	
SI02 (MG/KG) (MMOL/KG)	138.414	2.305	115.998	1.931	117.231	1.952	79.997	1.332	
HR02	18.362	0.419	18.363	0.419	14.284	0.326	15.497	0.354	
H3PO4	-	-	-	-	0.400	0.004	0.666	0.007	
HAS02	0.040	0.000	0.049	0.000	0.065	0.001	0.067	0.001	
C02	14.690	0.334	42.510	0.966	45.290	1.029	113.200	2.572	
H2S	5.879	0.173	2.570	0.075	6.942	0.192	0.298	0.009	
RN (*E-10 (CURIE/L))	-	-	-	-	-	-	-	-	
NA/K	24.136	19.350	19.350	20.491	20.491	21.052	21.052	21.052	
CA/(CHCO3+C03)	0.123	0.206	0.206	0.154	0.154	0.368	0.368	0.368	
MG/CA	0.238	0.229	0.229	0.106	0.106	0.193	0.193	0.193	
NA/CA	18.881	12.353	12.353	17.216	17.216	7.922	7.922	7.922	
CL/(CHCO3+C03)	1.394	1.626	1.626	1.705	1.705	2.140	2.140	2.140	
CL/F	-	-	-	-	-	-	-	-	
CL*100/(CL+S04+HC03+C03)	53.434	56.088	56.088	57.194	57.194	60.917	60.917	60.917	
S04*100/(CL+S04+HC03+C03)	8.247	9.419	9.419	9.255	9.255	10.623	10.623	10.623	
(HC03+C03)*100/(CL+S04+HC03+C03)	38.319	34.492	34.492	33.551	33.551	28.460	28.460	28.460	
(NA+K)*100/(NA+K+CA+MG)	93.813	91.359	91.359	94.229	94.229	87.434	87.434	87.434	
CA*100/(NA+K+CA+MG)	4.768	7.032	7.032	5.219	5.219	10.537	10.537	10.537	
MG*100/(NA+K+CA+MG)	1.449	1.609	1.609	0.553	0.553	2.029	2.029	2.029	
(CL+S04)*100/(CL+S04+HC03+C03)	61.681	65.508	65.508	66.449	66.449	71.540	71.540	71.540	
(HC03+C03)*100/(CL+S04+HC03+C03)	38.319	34.492	34.492	33.551	33.551	28.460	28.460	28.460	
(NA+K)*100/(NA+K+CA+MG)	93.813	91.359	91.359	94.229	94.229	87.434	87.434	87.434	
(CA+MG)*100/(NA+K+CA+MG)	6.187	8.641	8.641	5.771	5.771	12.566	12.566	12.566	

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

NO	TEMP	MTC 29			MTC 30			MTC 31			MTC 32		
		94.5	31.5	61.5	7.20	7.40	7.20	7.60	7.20	7.60	7.20	7.60	7.24
H (MG/KG) (MVAL/KG)													
K	19.550	0.500	7.819	0.200	13.290	0.340	16.620	0.425					
NA	310.500	13.507	55.190	2.401	109.200	4.750	235.700	10.253					
NH4			0.200	0.011	0.400	0.022	0.400	0.022					
CA	28.700	1.432	5.907	0.295	2.954	0.147	25.740	1.284					
MG	1.006	0.083	0.986	0.081	1.710	0.141	0.401	0.033					
FE	0.747	0.027	0.116	0.004	0.160	0.006	0.120	0.004					
MN													
ZN													
CU													
PB													
AL	0.100	0.011			0.100	0.011							
CL	475.600	13.417	54.850	1.547	117.600	3.317	333.300	9.402					
BR													
I													
F													
OH	0.003	0.000			0.007	0.000	0.002	0.000					
S04	31.920	0.665	10.480	0.218	12.490	0.260	29.500	0.614					
S203													
HC03	103.700	1.700	79.320	1.300	115.900	1.900	109.800	1.800					
CO3	0.097	0.003	0.037	0.001	0.274	0.009	0.065	0.002					
SI02 (MG/KG) (MMOL/KG)													
SI02	34.405	0.573	35.975	0.599	110.193	1.835	76.190	1.269					
HB02	24.460	0.559	5.121	0.140	20.398	0.465	18.360	0.419					
H3P04					0.400	0.004							
HAS02													
CO2	0.649	0.006	0.113	0.001	6.940	0.158	0.800	0.007					
H2S	15.710	0.357	24.600	0.559			26.380	0.599					
RN (*E-10 CURIE/L)													
NA/K	27.009		12.003		13.973		24.117						
CA/(HC03+CO3)	0.841		0.227		0.077		0.713						
MG/CA	0.058		0.275		0.955		0.026						
NA/CA	9.431		8.145		32.226		7.983						
CL/(HC03+CO3)	7.879		1.189		1.738		5.218						
CL/F													
CL*100/(CL+S04+HC03+CO3)	85.001		50.454		60.469		79.557						
S04*100/(CL+S04+HC03+CO3)	4.210		7.115		4.740		5.197						
(HC03+CO3)*100/(CL+S04+HC03+CO3)	10.789		42.431		34.791		15.246						
(NA+K)*100/(NA+K+CA+MG)	90.240		87.372		94.643		89.017						
CA*100/(NA+K+CA+MG)	9.227		9.902		2.741		10.708						
MG*100/(NA+K+CA+MG)	0.533		2.726		2.616		0.275						
(CL+S04)*100/(CL+S04+HC03+CO3)	89.211		57.569		65.209		84.754						
(HC03+CO3)*100/(CL+S04+HC03+CO3)	10.789		42.431		34.791		15.246						
(NA+K)*100/(NA+K+CA+MG)	90.240		87.372		94.643		89.017						
(CA+MG)*100/(NA+K+CA+MG)	9.760		12.628		5.357		10.983						

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 33		MTC 34		MTC 35		MTC 36	
TEMP	95.5		44.5		46.5		40.0	
TSM	1122.000		322.500		360.500		244.500	
PH(FD)	6.40		7.80		7.30		7.70	
PH(LB)	7.00		7.30		7.35		7.75	
H- (MG/KG) (MVAL/KG)								
K	16.420	0.420	5.864	0.150	3.910	0.100	9.774	0.250
NA	313.200	13.624	73.200	3.184	87.200	3.793	37.720	1.641
NH4								
CA	16.300	0.813	8.862	0.442	11.010	0.549	8.369	0.418
MG	7.750	0.638	1.857	0.153	1.336	0.110	1.336	0.110
FE	0.100	0.004	0.152	0.005	0.290	0.010	0.294	0.011
MN								
ZN								
CU								
PB								
AL	0.040	0.004			0.080	0.009	0.020	0.002
CL	461.300	13.013	78.380	2.211	98.050	2.766	15.960	0.450
BR								
I								
F								
OH			0.010	0.001	0.003	0.000	0.008	0.000
S04	30.800	0.641	18.140	0.378	11.690	0.243	6.449	0.134
S203								
HC03	126.100	2.067	85.430	1.400	94.550	1.550	113.500	1.860
.C03	0.018	0.001	0.319	0.011	0.111	0.004	0.334	0.011
SI02 (MG/KG) (MMOL/KG)	99.980	1.665	37.583	0.626	36.400	0.606	46.745	0.778
HB02	24.348	0.556	4.080	0.093	6.639	0.152	2.214	0.051
H3PO4	0.599	0.006					0.319	0.003
HA502	0.069	0.001	0.058	0.001	0.061	0.001		
CO2	120.900	2.747	3.266	0.074	11.390	0.259	5.488	0.125
H2S								
RN (*E-10 .CURIE/L)								
NA/K	32.437		21.228					
CA/(HC03+003)	0.393		0.313		37.925		6.563	
MG/CA	0.784		0.346		0.200		0.223	
NA/CA	16.750		7.201		6.904		0.263	
CL/(HC03+C03)	6.295		1.567		1.781		3.929	
CL/F							0.241	
CL*100/(CL+S04+HC03+C03)	42.772		55.283		60.621		18.333	
S04*100/(CL+S04+HC03+C03)	4.079		9.443		5.334		5.667	
(HC03+C03)*100/(CL+S04+HC03+C03)	13.150		35.274		34.045		76.200	
(NA+K)*100/(NA+K+CA+MG)	90.635		84.856		85.317		78.186	
CA*100/(NA+K+CA+MG)	5.249		11.254		12.068		17.268	
MG*100/(NA+K+CA+MG)	4.116		3.889		2.415		4.546	
(CL+S04)*100/(CL+S04+HC03+C03)	86.550		64.726		65.955		23.800	
(HC03+C03)*100/(CL+S04+HC03+C03)	13.150		35.274		34.045		76.200	
(NA+K)*100/(NA+K+CA+MG)	90.635		84.856		85.317		78.186	
(CA+MG)*100/(NA+K+CA+MG)	9.365		15.144		14.483		21.814	

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

NO	MTC 37	MTC 38	MTC 39	MTC 40
TFMP	34.0	43.0	44.5	76.0
TSM	1257.000	198.900	220.100	500.000
PH(PD)	8.50	8.50	8.40	7.50
PH(LB)	8.55	8.55	8.45	7.50
H (MG/KG) (MVAL/KG)				
K	T.R.	1.759	0.045	0.270
NA	77.500	47.600	3.910	10.560
NH4			52.590	117.300
CA		4.172	0.291	7.784
MG	287.100	0.761	0.025	3.567
FE	2.475	0.148	0.008	0.248
MN	0.370			
ZN				
CU				
PB				
AL				
CL	12.060	29.840	46.420	141.900
BR				
I				
F				
OH	0.053	0.053	0.003	0.005
SO4	796.700	16.587	9.674	18.540
S2O3				
HC03	44.120	0.723	1.224	194.820
C03	0.825	0.027	1.010	0.177
SI02 (MG/KG) (MMOL/KG)				
H2O2	55.003	0.916	0.460	76.006
H3PO4	4.422	0.101	0.202	14.033
HAS02				
C02		0.079	0.001	0.240
H2S	0.341	0.577	0.013	7.314
RN (*E-10 CURIE/L)				
NA/K		46.018	22.873	18.890
CA/(HC03+C03)	19.086	0.164	0.252	0.249
MG/CA	0.014	0.301	0.084	0.713
NA/CA	0.235	9.946	7.850	13.137
CL/(HC03+C03)	0.453	0.662	1.133	2.566
CL/F				
CL*100/(CL+SO4+HC03+C03)	1.924	35.606	49.107	67.289
SO4*100/(CL+SO4+HC03+C03)	95.829	10.647	77.535	6.489
(HC03+C03)*100/(CL+SO4+HC03+C03)	4.246	53.748	43.340	26.223
(NA+K)*100/(NA+K+CA+MG)		88.652	88.312	88.979
(CA*100/(NA+K+CA+MG)		8.724	10.778	6.433
MG*100/(NA+K+CA+MG)		2.624	0.910	4.589
(CL+SO4)*100/(CL+SO4+HC03+C03)	95.754	46.252	56.660	73.777
(HC03+C03)*100/(CL+SO4+HC03+C03)	4.246	53.748	43.340	26.223
(NA+K)*100/(NA+K+CA+MG)		88.652	88.312	88.979
(CA+MG)*100/(NA+K+CA+MG)		11.348	11.688	11.021

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	TEMP	TSM	PH(PD)	PH(CLB)	MTC 41		MTC 42		MTC 43		MTC 44	
					42.5	38.0	1170.000	38.0	257.800	147.5	895.800	
H	(MG/KG)(KVAL/KG)				7.037	0.180	2.346	0.060	7.819	0.200	23.060	0.590
K		84.400	3.671	-	262.200	11.406	35.650	1.551	187.600	-	8.161	-
INA		T.R.	0.712	0.033	0.600	0.539	19.890	0.993	-	-	-	-
NH4		14.270	0.092	0.307	5.730	0.144	3.728	0.507	7.480	0.616	0.009	-
CA		1.116	0.010	-	-	-	-	-	-	-	-	-
MG		0.272	-	-	-	-	-	-	-	-	-	-
FE		-	-	-	-	-	-	-	-	-	-	-
MN		-	-	-	-	-	-	-	-	-	-	-
NZ		-	-	-	-	-	-	-	-	-	-	-
CU		-	-	-	-	-	-	-	-	-	-	-
PR		-	-	-	-	-	-	-	-	-	-	-
AL		-	-	-	-	-	-	-	-	-	-	-
CL		104.500	2.948	5.955	211.100	15.600	0.440	150.400	4.243	-	-	-
BR		-	-	-	-	-	-	-	-	-	-	-
I		-	-	-	-	-	-	-	-	-	-	-
F		-	-	-	-	-	-	-	-	-	-	-
OH		0.010	0.001	0.001	0.017	0.010	0.001	0.001	0.487	-	-	-
S04		14.350	0.299	0.839	40.310	10.800	0.225	23.380	0.004	-	-	-
S203		-	-	-	-	-	-	-	-	-	-	-
HC03		82.920	1.359	5.243	319.900	118.500	1.942	337.700	5.535	-	-	-
C03		0.309	0.010	0.063	1.887	0.441	0.015	0.129	0.004	-	-	-
ST02	(MG/KG)(MMOL/KG)	50.399	0.839	4.063	244.038	42.000	0.699	105.634	1.759	-	-	-
HE02		9.353	0.213	0.213	9.353	4.677	0.107	11.696	0.267	-	-	-
H3P04		-	-	-	-	-	-	-	-	-	-	-
HAS02		0.055	0.001	0.000	0.030	0.059	0.001	-	-	-	-	-
C02		3.169	0.072	0.173	7.614	4.529	0.103	104.700	2.379	-	-	-
H2S		-	-	-	-	-	-	-	-	-	-	-
IN (*E-10 CURIE/L)		-	-	-	-	-	-	-	-	-	-	-
NA/K		20.396	190.061	7.753	13.834	0.179	0.276	0.620	8.740	-	-	-
CA/(HC03+C03)		0.520	0.102	0.569	0.569	2.875	0.225	0.766	-	-	-	-
MG/CA		0.129	21.144	0.225	0.225	16.785	8.576	53.942	-	-	-	-
NA/CA		5.156	1.122	49.214	4.936	74.639	67.416	84.476	-	-	-	-
CL/(HC03+C03)		2.153	4.381	2.493	11.813	25.361	74.639	53.942	-	-	-	-
CL/F		-	-	-	-	-	-	-	-	-	-	-
CL+S04/(CL+S04+HC03+C03)		63.863	49.214	56.150	43.850	67.416	84.476	46.058	-	-	-	-
S04*100/(CL+S04+HC03+C03)		6.472	6.936	43.850	43.850	67.416	84.476	53.942	-	-	-	-
(HC03+C03)*100/(CL+S04+HC03+C03)		29.665	4.381	2.493	11.813	25.361	74.639	53.942	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)		82.731	93.126	56.150	43.850	67.416	84.476	46.058	-	-	-	-
CA*100/(NA+K+CA+MG)		15.296	4.381	2.493	11.813	25.361	74.639	53.942	-	-	-	-
MG*100/(NA+K+CA+MG)		1.973	2.493	11.813	25.361	74.639	53.942	53.942	-	-	-	-
(CL+S04)*100/(CL+S04+HC03+C03)		70.335	49.214	56.150	43.850	67.416	84.476	46.058	-	-	-	-
(HC03+C03)*100/(CL+S04+HC03+C03)		29.665	4.381	2.493	11.813	25.361	74.639	53.942	-	-	-	-
(NA+K)*100/(NA+K+CA+MG)		82.731	93.126	56.150	43.850	67.416	84.476	46.058	-	-	-	-
(CA+MG)*100/(NA+K+CA+MG)		17.269	6.874	11.813	25.361	74.639	53.942	53.942	-	-	-	-

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 45			MTC 46			MTC 47			MTC 48		
TEMP	61.5			50.0			27.0			72.5		
TSM	725.000			566.500			630.000			450.000		
PH(FD)	6.90			6.90			8.00			8.80		
PH(LB)	6.90			6.90			7.95			8.75		
H (MG/KG)(MVAL/KG)												
K	17.670	0.452		9.383	0.240		3.128	0.080		5.864	0.150	
NA	126.500	5.503		104.600	4.550		33.810	1.471		104.900	4.563	
NH4	1.200	0.067		TR								
CA	27.250	1.360		12.540	0.626		145.000	7.236		2.918	0.146	
MG	17.170	1.413		1.823	0.158		4.082	0.089		0.122	0.010	
FE	0.840	0.034		2.180	0.078		0.196	0.007		3.520	0.126	
MN	0.360	0.013								0.220	0.008	
ZN												
CU												
PB												
AL	0.480	0.053		0.600	0.067					2.116	0.235	
CL	127.900	3.608		97.360	2.747		8.864	0.250		15.960	0.450	
BR												
I												
F												
OH												
S04	89.480	1.863		37.490	0.781		0.017	0.001		0.107	0.006	
S203	1.917	0.034		2.270	0.040		390.600	8.132		46.760	0.974	
HC03	201.400	3.501		130.500	2.136		29.620	0.485		0.445	0.008	
C03	0.096	0.033		0.060	0.002		0.175	0.006		207.400	3.399	
SI02 (MG/KG) (MMOL/KG)	77.973	1.298		43.002	0.716		22.402	0.373		42.608	0.709	
HB02	16.367	0.373		16.367	0.373					3.309	0.076	
H3P04	0.460	0.005		0.259	0.003					0.400	0.004	
HAS02										0.067	0.001	
C02	62.450	1.419		40.420	0.918		0.037	0.000		0.067	0.001	
H2S	0.865	0.025		1.152	0.034		0.731	0.017		0.790	0.018	
RN (*E-10 CURIE/L)												
NA/K	12.174			18.957						18.381		
CA/(HC03+C03)	0.412			0.293			14.727			0.039		
MG/CA	1.039			0.253			0.012			0.069		
NA/CA	4.047			7.271			0.203			31.339		
CL/(HC03+C03)	1.092			1.285			0.509			0.121		
CL/F												
CL*100/(CL+S04+HC03+C03)	41.117			48.485			2.818			8.743		
S04*100/(CL+S04+HC03+C03)	21.230			13.779			91.645			18.906		
(HC03+C03)*100/(CL+S04+HC03+C03)	37.653			37.736			5.537			72.351		
(NA+K)*100/(NA+K+CA+MG)	68.230			85.935			17.473			96.803		
CA*100/(NA+K+CA+MG)	15.580			11.226			81.524			2.991		
MG*100/(NA+K+CA+MG)	16.189			2.839			1.003			0.206		
(CL+S04)*100/(CL+S04+HC03+C03)	62.347			62.264			94.463			27.649		
(HC03+C03)*100/(CL+S04+HC03+C03)	37.653			37.736			5.537			72.351		
(NA+K)*100/(NA+K+CA+MG)	68.230			85.935			17.473			96.803		
(CA+MG)*100/(NA+K+CA+MG)	31.770			14.065			82.527			3.197		

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

	MTC 49	MTC 50	MTC 51	MTC 52
NO	18.0	61.5	66.0	.47.0
TEMP	3912.000	780.000	820.000	840.000
TSM	2.40	7.10	6.80	7.30
PH(FD)	2.45	7.07	6.95	7.68
PH(LB)				
H (MG/KG) (MVAL/KG)	4.032	22.680	20.330	19.940
K	5.869	176.600	195.500	158.700
NA	6.239		1.600	0.089
NH4	2.400		19.510	15.360
CA	49.600	13.700	1.600	0.974
MG	68.590	0.345	1.797	4.297
FE	481.500	0.116	0.340	0.148
MN	0.500		TR.	0.012
ZN				
CU				
PB				
AL	169.600			
CL	14.180	230.700	225.700	115.600
BR				
I				
F				
OH		0.002		0.003
S04		21.610	73.440	21.200
S203	2698.140		6.167	0.441
HC03	0.0	117.800	130.900	288.100
C03	0.0	0.086	0.049	0.011
SI02 (MG/KG) (MMOL/KG)	161.476	137.981	125.244	199.811
HB02	5.522	21.402	21.409	0.489
H3P04	2.205	0.350	0.338	8.559
HAS02		0.393		0.003
C02		22.660	50.300	
H2S			0.682	34.610
HN (*E-10 CURIE/L)				
NA/K	1.872	13.241	16.353	13.534
CA/(HC03+C03)	0.0	0.354	0.453	0.162
MG/CA	2.280	0.042	0.152	0.461
NA/CA	0.110	11.237	8.735	9.007
CL/(HC03+C03)	0.0	3.366	2.965	0.689
CL/F				
CL*100/(CL+S04+HC03+C03)	0.707	73.193	63.397	38.658
S04*100/(CL+S04+HC03+C03)	95.293	5.060	15.225	5.232
(HC03+C03)*100/(CL+S04+HC03+C03)	0.0	21.747	21.379	56.110
(NA+K)*100/(NA+K+CA+MG)	4.878	92.066	88.947	86.875
CA*100/(NA+K+CA+MG)	28.996	7.618	9.596	8.982
MG*100/(NA+K+CA+MG)	66.125	0.316	1.458	4.144
(CL+S04)*100/(CL+S04+HC03+C03)	100.000	78.253	78.621	43.890
(HC03+C03)*100/(CL+S04+HC03+C03)	0.0	21.747	21.379	56.110
(NA+K)*100/(NA+K+CA+MG)	4.878	92.066	88.947	86.875
(CA+MG)*100/(NA+K+CA+MG)	95.122	7.934	11.053	13.125

第44-2表 天ヶ瀬地域水質一覽表(つづき)

	MTC 53	MTC 54	MTC 55	MTC 56
NO	59.8	63.0	44.0	38.0
TEMP	910.000	720.000	439.500	237.500
TSM	7.20	6.90	8.00	7.40
PH(FD)	7.56	7.24	8.20	7.40
PH(LB)				
H (MG/KG) (MVAL/KC)				
K	27.370	0.700	0.580	0.400
NA	218.500	9.505	7.121	4.052
NH4	1.600	0.089		
CA	23.250	1.160	1.077	0.517
MG	6.340	0.522	0.347	0.370
FE	0.192	0.017	0.006	0.010
MN	0.960	0.035		
ZN				
CU				
PB				
AL			0.100	
CL	192.500	5.430	30.700	7.446
BR				
I				
F				
OH	0.003	0.000	0.017	0.004
S04	28.050	0.584	10.960	0.223
S203				
HCO3	360.100	5.902	246.000	129.200
CO3	0.336	0.011	1.452	0.006
SI02 (MG/KG) (YMOI./KG)				
HR02	67.599	1.126	52.802	37.205
H3P04	19.260	0.440	0.440	2.205
HAS02			3.309	1.069
CO2			0.000	
H2S	54.830	1.246	0.000	
RN (*E-10 .CURIE/L)			5.911	0.134
NA/X	13.576	12.274	10.127	5.821
CA/(HCO3+CO3)	0.196	0.668	0.127	0.159
MG/CA	0.450	0.322	0.459	1.095
NA/CA	8.193	6.610	7.837	4.736
CL/(HCO3+CO3)	0.918	4.308	0.212	0.099
CL/F				
CL*100/(CL+S04+HCO3+CO3)	45.528	76.890	16.737	8.214
S04*100/(CL+S04+HCO3+CO3)	4.896	5.260	4.410	8.728
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	49.576	17.850	78.854	83.057
(NA+K)*100/(NA+K+CA+MG)	85.851	84.393	85.515	72.591
CA*100/(NA+K+CA+MG)	9.760	11.806	9.531	13.081
MG*100/(NA+K+CA+MG)	4.389	3.801	4.554	14.327
(CL+S04)*100/(CL+S04+HCO3+CO3)	50.424	82.150	21.146	16.943
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	49.576	17.850	78.854	83.057
(NA+K)*100/(NA+K+CA+MG)	85.851	84.393	85.515	72.591
(CA+MG)*100/(NA+K+CA+MG)	14.149	15.607	14.485	27.409

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 61	MTC 62	MTC 63	MTC 64
TEMP	45.0	52.0	43.5	43.5
TSM	420.500	854.000	424.200	570.800
PH(FD)	6.70	7.00	7.60	7.30
PH(LB)	6.68	6.99	7.88	7.50
H (MG/KG) (MVAL/KG)				
K	8.992	13.100	4.692	13.290
NA	101.400	192.500	102.300	98.820
NH4				
CA	5.695	11.390	0.568	12.270
MG	1.406	1.021	0.084	4.342
FE	0.170	0.570	0.013	0.120
MN		TR.		
ZN				
CU				
PB				
AL		0.320	0.036	
CL	85.090	162.200	141.100	60.950
BR				
I				
F				
OH			0.007	0.003
S04	27.820	102.800	0.270	46.590
S203	3.678	7.064		
HC03	116.500	166.100	67.670	200.500
CO3	0.036	0.096	0.159	0.207
SI02 (MG/KG) (MMOL/KG)				
H02	65.603	165.582	63.202	112.775
H3F04	6.613	11.026	4.396	6.687
HAS02		0.574		
CO2	0.024	0.056	0.027	
H2S	56.110	39.930	40.670	24.090
H2S	1.390	1.463		
RN (*E-10 CURIE/L)				
INA/K	19.177	24.989	37.077	12.645
CA/(HC03+CO3)	0.148	0.209	0.560	0.186
MG/CA	0.407	0.148	0.282	0.584
INA/CA	15.521	14.733	7.134	7.021
CL/(HC03+CO3)	1.268	1.679	3.572	0.522
CL/F				
CL*100/(CL+S04+HC03+CO3)	49.328	48.463	74.191	28.740
S04*100/(CL+S04+HC03+CO3)	11.765	22.669	5.037	16.214
(HC03+CO3)*100/(CL+S04+HC03+CO3)	38.907	28.868	20.772	55.045
(NA+K)*100/(NA+K+CA+MG)	92.067	93.031	85.106	82.711
CA*100/(NA+K+CA+MG)	5.638	6.071	11.616	10.917
MG*100/(NA+K+CA+MG)	2.295	0.898	3.278	6.371
(CL+S04)*100/(CL+S04+HC03+CO3)	61.093	71.132	79.228	44.955
(HC03+CO3)*100/(CL+S04+HC03+CO3)	38.907	28.868	20.772	55.045
(NA+K)*100/(NA+K+CA+MG)	92.067	93.031	85.106	82.711
(CA+MG)*100/(NA+K+CA+MG)	7.933	6.969	14.894	17.289

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

	MTC 65	MTC 66	MTC 67	MTC 68
NO	84.0	50.0	74.0	56.0
TEMP	1089.000	623.200	1015.000	719.900
TSM	8.60	7.30	7.30	7.30
PH(CFD)	8.82	7.51	7.28	7.29
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	21.890	10.950	15.250	21.110
NA	293.200	153.600	303.600	176.400
NH4	0.800	0.044	-	-
CA	2.976	0.149	18.470	16.110
MG	0.804	0.975	0.101	4.019
FE	0.140	0.066	0.308	0.331
MN	-	0.005	0.011	0.006
ZN	-	0.004	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	-	-	0.013	0.013
CL	298.400	126.500	443.900	135.400
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	0.067	0.003	0.003	0.003
S04	61.400	1.278	1.302	0.000
S203	1.726	0.031	28.150	23.950
HCO3	219.400	0.863	91.530	305.100
CO3	5.209	156.700	0.108	0.360
		0.186	1.500	5.001
SI02 (MG/KG) (MMOL/KG)	137.672	83.575	96.393	62.403
HPO4	17.831	6.687	9.037	15.817
HAS02	0.006	0.000	0.206	0.361
CO2	1.316	0.030	0.642	-
H2S	3.408	18.830	11.000	36.660
RN (*E-10 CURTE/L)	-	-	-	-
NA/K	22.778	23.854	33.855	14.210
CA/(HCO3+CO3)	0.039	0.180	0.613	0.160
MG/CA	0.446	0.161	0.009	0.411
NA/CA	85.885	14.599	14.329	9.545
CL/(HCO3+CO3)	2.233	1.386	8.327	0.762
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	62.513	47.930	85.698	40.935
S04*100/(CL+S04+HCO3+CO3)	9.493	17.491	4.011	5.344
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	27.594	34.579	10.291	53.721
(NA+K)*100/(NA+K+CA+MG)	98.413	92.815	93.598	87.863
CA*100/(NA+K+CA+MG)	1.098	6.186	6.345	8.600
MG*100/(NA+K+CA+MG)	0.489	0.998	0.057	3.538
(CL+S04)*100/(CL+S04+HCO3+CO3)	72.006	65.421	85.709	46.279
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	27.594	34.579	10.291	53.721
(NA+K)*100/(NA+K+CA+MG)	98.413	92.815	93.598	87.863
(CA+MG)*100/(NA+K+CA+MG)	1.587	7.185	6.402	12.137

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 69		MTC 70		MTC 71		MTC 72	
TEMP	67.0	48.0			41.5		82.5	
TSM	1018.000	320.800			234.000		1062.000	
PH(FD)	7.40	7.60			7.60		6.60	
PH(LB)	7.26	7.58			7.52		6.62	
H (MG/KG)(MVAL/KG)	21.110	0.540	7.350	0.188	3.714	0.095	30.100	0.770
K	263.300	11.454	58.750	2.556	31.050	1.351	265.600	11.554
NA								
NH4								
CA	18.720	0.934	15.670	0.782	14.440	0.721	17.880	0.892
MG	5.185	0.427	4.547	0.374	9.262	0.762	1.194	0.098
FE	0.409	0.015	0.352	0.013	0.050	0.002	0.088	0.003
MN	TR.				0.080	0.003		
ZN								
CU								
PB								
AL	0.200	0.022	0.060	0.007				
CL	278.200	7.848	38.290	1.080	61.700	1.741	393.900	11.112
BR								
I								
F								
OH	0.004	0.000	0.007	0.000	0.007	0.000		
S04	69.470	1.446	9.467	0.197	9.876	0.206	28.400	0.591
S203								
HCO3	256.300	4.201	164.700	2.699	57.220	0.938	95.370	1.563
CO3	0.378	0.013	0.387	0.013	0.138	0.005	0.024	0.001
SI02 (MG/KG)(MMOL/KG)								
HF02	99.200	1.652	37.409	0.623	39.705	0.661	127.575	2.124
H3PO4	20.331	0.464	2.259	0.052	6.929	0.158	34.643	0.791
HAS02							0.080	0.001
C02	0.033	0.000				0.000	0.078	0.001
H2S	24.640	0.560	9.898	0.225	3.447	0.078	57.300	1.302
RN (*E-10 .CURIE/L)								
NA/K	21.211		13.593		14.217		15.005	
CA/(HC03+CO3)	0.222		0.288		0.765		0.571	
MG/CA	0.457		0.479		1.058		0.110	
NA/CA	12.261		3.268		1.874		12.949	
CL/(HC03+CO3)	1.863		0.392		1.847		7.105	
CL/F								
CL*100/(CL+S04+HC03+CO3)	58.100		27.074		60.256		83.755	
S04*100/(CL+S04+HC03+CO3)	10.708		4.940		7.118		4.457	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	31.192		67.985		32.626		11.788	
(NA+K)*100/(NA+K+CA+MG)	89.810		70.354		49.367		92.561	
CA*100/(NA+K+CA+MG)	6.595		20.051		24.606		6.701	
MG*100/(NA+K+CA+MG)	3.195		9.595		26.027		0.738	
(CL+S04)*100/(CL+S04+HC03+CO3)	68.808		32.015		67.374		88.212	
(HC03+CO3)*100/(CL+S04+HC03+CO3)	31.192		67.985		32.626		11.788	
(NA+K)*100/(NA+K+CA+MG)	89.810		70.354		49.367		92.561	
(CA+MG)*100/(NA+K+CA+MG)	10.190		29.646		50.633		7.439	

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

	MTC 73	MTC 74	MTC 75	MTC 76
NO	92.0	58.0	95.0	56.5
TEMP	872.000	598.000	925.800	1345.000
TSM	7.20	7.40	6.80	8.70
PH(FD)	7.01	7.16	7.05	9.12
PH(LB)				
H (MG/KG)(MVAL/KG)				
K	11.730	15.250	12.710	26.000
NA	253.000	158.700	273.700	407.000
NH4				0.800
CA	7.563	15.820	17.190	2.407
MG	5.090	0.419	0.109	0.120
FE	0.108	0.144	0.161	0.286
MN		0.100	0.072	0.100
ZN				
CU				
PB				
AL				
CL	342.900	209.100	385.300	431.700
BR				
I				
F				
OH	0.003	0.004	0.000	0.085
S04	27.980	21.730	30.700	68.300
S203				5.842
HCO3	101.700	120.800	103.900	259.700
CO3	0.096	0.162	0.036	7.663
SI02 (MG/KG)(MMOL/KG)				
H002	61.403	51.209	86.814	117.974
H3P04	23.099	9.239	23.098	30.029
HAS02	0.210	0.156	0.002	0.685
CO2		0.148		0.012
H2S	15.400	11.610	39.940	1.250
RN (*E-10 CURIE/L)				4.356
NA/K	36.678	17.697	36.620	26.620
CA/(HC03+CO3)	0.226	0.398	0.503	0.027
MG/CA	1.110	0.138	0.015	0.196
NA/CA	29.162	8.745	13.880	147.403
CL/(HC03+CO3)	5.792	2.971	6.378	2.699
CL/F				
CL*(S04)/(CL+S04+HC03+CO3)	81.112	70.758	82.265	67.238
S04*100/(CL+S04+HC03+CO3)	4.885	5.427	4.838	7.851
(HC03+CO3)*100/(CL+S04+HC03+CO3)	14.094	23.815	12.898	24.911
(NA+K)*100/(NA+K+CA+MG)	93.420	89.031	93.352	99.224
CA*100/(NA+K+CA+MG)	3.118	9.636	6.547	0.649
MG*100/(NA+K+CA+MG)	3.461	1.333	0.101	0.127
(CL+S04)*100/(CL+S04+HC03+CO3)	85.996	76.185	87.102	75.089
(HC03+CO3)*100/(CL+S04+HC03+CO3)	14.004	23.815	12.898	24.911
(NA+K)*100/(NA+K+CA+MG)	93.420	89.031	93.352	99.224
(CA+MG)*100/(NA+K+CA+MG)	6.580	10.969	6.648	0.776

第44-2表 天ヶ瀬地域水質一覧表(つづき)

NO	MTC 77	MTC 78	MTC 79	MTC 80
TEMP	88.0	29.0	87.0	41.5
TSM	1042.000	243.000	1198.000	212.100
PH(FD)	6.90	7.60	7.20	7.80
PH(LB)	7.07	7.79	7.48	7.82
H (MG/KG)(MVAL/KG)	0.0			
K	18.770	5.161	18.920	3.128
NA	271.400	32.190	296.600	54.270
NH4	1.200	0.067	1.600	0.089
CA	19.600	10.740	22.550	8.385
MG	0.885	3.067	1.539	0.362
FE	0.184	0.007	0.160	0.030
MN	-	-	TR.	-
ZN	-	-	-	-
CU	-	-	-	-
PR	-	-	-	-
AL	0.080	0.009	0.240	0.027
CL	265.200	14.180	275.500	50.770
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	0.007	0.003	0.000
SO4	48.560	4.525	97.030	12.020
S2O3	3.145	-	1.132	0.020
HCO3	298.600	116.800	305.200	68.280
CO3	0.138	0.005	0.288	0.255
SI02 (MG/KG)(MMOL/KG)	105.639	56.409	135.379	27.008
HR02	13.856	0.316	16.164	8.240
H3PO4	0.080	0.001	0.232	0.002
HAS02	0.035	0.010	0.032	0.060
CO2	93.350	7.024	46.210	0.051
H2S	6.870	0.202	1.052	0.000
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	24.589	10.607	26.659	29.504
CA/(HCO3+CO3)	0.200	0.279	0.225	0.371
MG/CA	0.074	0.471	0.113	0.071
NA/CA	12.071	2.613	11.466	5.642
CL/(HCO3+CO3)	1.527	0.208	1.551	1.270
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	55.868	16.545	52.499	50.967
S04*100/(CL+S04+HCO3+CO3)	7.550	3.897	13.646	8.906
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	36.582	79.559	33.855	40.127
(NA+K)*100/(NA+K+CA+MG)	92.121	66.030	91.448	84.486
CA*100/(NA+K+CA+MG)	7.333	23.094	7.687	14.483
MG*100/(NA+K+CA+MG)	0.546	10.876	0.865	1.031
(CL+S04)*100/(CL+S04+HCO3+CO3)	63.418	20.441	66.145	59.873
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	36.582	79.559	33.855	40.127
(NA+K)*100/(NA+K+CA+MG)	92.121	66.030	91.448	84.486
(CA+MG)*100/(NA+K+CA+MG)	7.879	33.970	8.552	15.514

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 81			MTC 82			MTC 83			MTC 84		
K	0.508	0.013	21.500	0.550	0.0	60.170	1.539	8.758	0.224	40.5		
TEMP	28.750	1.251	198.800	8.648	452.600	19.688	108.100	4.702	489.600			
TSM					0.018	0.001	2.200	0.122	7.80			
PH(FD)	9.645	0.481	23.710	1.183	2.361	0.118	17.300	0.863	7.80			
PH(LB)	2.020	0.166	7.162	0.589	0.160	0.013	5.499	0.453	7.72			
H (MG/KG)(MVAL/KG)			0.140	0.005	0.807	0.029	0.272	0.010				
NA			0.340	0.012	0.0		Th.					
NH4					0.0							
CA					0.0							
MG					0.0							
FE					0.0							
MN					0.0							
ZN					0.0							
CU					0.0							
PB					0.0							
AL	0.040	0.004	0.120	0.013	0.583	0.065	0.040	0.004				
CL	6.808	0.192	311.200	8.779	376.200	10.613	64.890	1.831				
BR												
I												
F												
OH	0.011	0.001			0.153	0.009	0.011	0.001				
SO4	3.298	0.069	29.220	0.608	88.900	1.851	14.500	0.302				
S2O3												
HC03	100.400	1.646	88.600	1.452	247.300	4.053	258.400	4.235				
CO3	0.375	0.012	0.027	0.001	12.690	0.423	0.954	0.032				
STO2 (MG/KG)(MMOL/KG)	2J.798	0.346	105.971	1.764	182.923	3.046	42.005	0.699				
HBO2	6.179	0.141	27.059	0.617	25.595	0.584	4.142	0.095				
H3PO4	0.084	0.001	2.739	0.028	0.520	0.005	0.059	0.001				
HASO2	0.075	0.001	0.140	0.001								
CO2	3.850	0.087	42.600	0.968								
H2S					0.684	0.016	9.942	0.226				
RN (*E-10 CURIE/L)					8.515	0.250						
INA/K	96.242		15.724			12.792	20.990					
CA/(HC03+CO3)	0.290		0.814			0.026	0.202					
MG/CA	0.345		0.498			0.112	0.524					
NA/CA	2.599		7.509			167.112	5.447					
CL/(HC03+CO3)	0.116		6.042			2.371	0.429					
CL/F												
CL*100/(CL+S04+HC03+CO3)	10.009		80.984			62.649	28.605					
S04*100/(CL+S04+HC03+CO3)	3.579		5.612			10.926	4.717					
(HC03+CO3)*100/(CL+S04+HC03+CO3)	86.412		13.404			26.424	66.678					
(NA+K)*100/(NA+K+CA+MG)	66.119		83.843			99.387	78.921					
CA*100/(NA+K+CA+MG)	25.183		10.785			0.552	13.830					
MG*100/(NA+K+CA+MG)	8.698		5.372			0.062	7.249					
(CL+S04)*100/(CL+S04+HC03+CO3)	13.588		86.596			73.576	33.322					
(HC03+CO3)*100/(CL+S04+HC03+CO3)	86.412		13.404			26.424	66.678					
(NA+K)*100/(NA+K+CA+MG)	66.119		83.843			99.387	78.921					
(CA+MG)*100/(NA+K+CA+MG)	33.881		16.157			0.613	21.079					

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

NO	MTC 85		MTC 86		MTC 87		MTC 88	
TEMP	55.0	55.5	58.0	58.0	79.5	79.5	948.300	6.80
TSM	502.500	638.500	594.000	594.000	7.10	7.10	0.000	0.000
PH(FD)	8.20	7.20	7.20	7.20	0.000	0.000	0.000	0.000
PH(LB)	8.45	7.20	7.20	7.20	0.000	0.000	0.000	0.000
H (MG/KG)(MV/L)(KG)	0.055	0.600	0.600	0.600	8.519	8.519	0.218	0.452
K	192.900	23.450	6.281	6.281	148.200	148.200	6.447	9.718
NA	17.960	11.730	0.585	0.585	6.005	6.005	0.300	0.975
NH ₄	0.066	2.003	0.165	0.165	1.276	1.276	0.105	0.193
CA	0.020	0.540	0.019	0.019	0.310	0.310	0.011	0.010
MC	0.001	TR.	TR.	TR.	TR.	TR.	TR.	TR.
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
PH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AL	0.020	0.080	0.009	0.009	0.050	0.050	0.006	0.000
CL	212.400	198.500	5.600	5.600	181.200	181.200	5.112	9.216
BR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
I	0.027	0.003	0.403	0.403	18.110	18.110	0.377	0.399
F	21.750	19.350	0.000	0.000	0.002	0.002	0.000	0.000
OH	78.490	97.140	1.592	1.592	98.800	98.800	1.619	1.691
S04	0.733	0.091	0.003	0.003	0.075	0.075	0.003	0.001
S203	23.760	93.765	1.561	1.561	94.012	94.012	1.565	2.757
HCO3	7.656	22.896	0.522	0.522	0.105	0.105	0.002	0.523
C03	0.175	0.002	0.314	0.314	0.003	0.003	0.003	0.005
ST02 (MG/KG)(MMOL/KG)	0.332	0.340	0.003	0.003	0.194	0.194	0.002	0.005
H902	1.188	14.710	0.334	0.334	17.000	17.000	0.386	0.896
H3P04	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
IRN (*F-IU CURIE/L)	120.937	10.472	29.583	29.583	0.185	0.185	0.576	21.500
NA/K	0.684	0.367	0.185	0.185	0.350	0.350	0.198	0.198
CA/(HCO3+C03)	0.006	0.282	21.514	21.514	3.152	3.152	5.445	5.445
MG/CA	7.421	10.731	3.510	3.510	0.000	0.000	0.000	0.000
NA/CA	4.571	3.510	0.000	0.000	0.000	0.000	0.000	0.000
CL/(HCO3+C03)	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
CL*100/(CL+S04+HCO3+C03)	77.263	73.702	71.888	71.888	5.303	5.303	14.969	81.500
S04*100/(CL+S04+HCO3+C03)	5.834	5.302	22.809	22.809	94.276	94.276	8.600	3.531
(HCO3+C03)*100/(CL+S04+HCO3+C03)	16.903	20.995	4.239	4.239	1.485	1.485	1.702	14.969
(NA+K)*100/(NA+K+CA+MG)	88.149	90.170	89.698	89.698	85.031	85.031	85.031	89.698
CA*100/(NA+K+CA+MG)	11.790	7.670	8.600	8.600	14.969	14.969	14.969	8.600
MG*100/(NA+K+CA+MG)	0.071	2.160	1.485	1.485	1.702	1.702	1.702	1.702
(CL+S04)*100/(CL+S04+HCO3+C03)	33.037	79.005	22.809	22.809	85.031	85.031	85.031	85.031
(HCO3+C03)*100/(CL+S04+HCO3+C03)	16.903	20.995	4.239	4.239	1.485	1.485	1.702	1.702
(NA+K)*100/(NA+K+CA+MG)	88.149	90.170	89.698	89.698	14.969	14.969	14.969	89.698
(CA+MG)*100/(NA+K+CA+MG)	11.851	9.850	5.724	5.724	10.302	10.302	10.302	10.302

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

NO	MTC 93			MTC 94			MTC 95			MTC 96				
	71.0	81.0	90.0	1310.000	9.00	—	1065.000	9.20	—	30.0	30.0	380.000	7.90	—
TEMP	1175.000	7.10	—	—	—	—	—	—	—	—	—	—	—	—
TSM	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PH(FD)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PH(CB)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H (MG/KG) (M AL/KG)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
K	22.330	0.571	—	27.880	0.713	—	23.850	0.610	—	17.400	0.445	—	—	—
NA	301.700	13.124	—	357.600	15.556	—	303.100	13.185	—	74.280	3.231	—	—	—
NH4	0.405	0.022	—	0.405	0.022	—	0.400	0.022	—	—	—	—	—	—
CA	15.310	0.764	—	6.998	0.349	—	2.441	0.122	—	5.330	0.266	—	—	—
MG	0.827	0.068	—	1.192	0.098	—	1.148	0.094	—	3.180	0.262	—	—	—
FE	0.218	0.008	—	0.297	0.011	—	0.194	0.007	—	0.201	0.007	—	—	—
MN	0.180	0.007	—	0.127	0.005	—	—	—	—	TR.	—	—	—	—
ZN	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CU	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PB	—	—	—	—	—	—	—	—	—	—	—	—	—	—
AL	—	—	—	0.163	0.018	—	—	—	—	—	—	—	—	—
CL	318.200	8.976	—	375.100	10.582	—	245.900	6.937	—	13.470	0.380	—	—	—
BR	—	—	—	—	—	—	—	—	—	—	—	—	—	—
I	—	—	—	—	—	—	—	—	—	—	—	—	—	—
F	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OH	0.002	0.000	—	0.170	0.010	—	0.272	0.016	—	0.014	0.001	—	—	—
S04	57.800	1.203	—	23.060	0.480	—	90.790	1.890	—	21.930	0.457	—	—	—
S203	—	—	—	—	—	—	9.453	0.169	—	—	—	—	—	—
HC03	254.500	4.171	—	266.300	4.365	—	221.400	3.629	—	205.600	3.370	—	—	—
C03	0.118	0.004	—	15.720	0.524	—	20.690	0.690	—	0.969	0.032	—	—	—
ST02 (MG/KG) (MMOL/KG)	146.995	2.447	—	165.582	2.757	—	123.436	2.055	—	40.239	0.670	—	—	—
H602	21.252	0.486	—	23.613	0.584	—	17.637	0.402	—	6.359	0.145	—	—	—
H3P04	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HAS02	0.039	0.000	—	0.057	0.001	—	0.050	0.000	—	0.379	0.004	—	—	—
C02	49.010	1.114	—	0.639	0.015	—	0.335	0.008	—	—	—	—	—	—
H2S	5.382	0.158	—	3.214	0.094	—	3.132	0.092	—	6.152	0.140	—	—	—
BR (*F-10 CURIE/L)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
NA/K	22.976	21.812	—	21.812	21.612	—	21.612	21.612	—	7.260	0.078	—	—	—
CA/(HC03+C03)	0.183	0.071	—	0.071	0.028	—	0.028	0.028	—	0.078	0.078	—	—	—
MG/CA	0.089	0.281	—	0.281	0.776	—	0.776	0.776	—	0.984	0.984	—	—	—
NA/CA	17.179	44.546	—	44.546	108.245	—	108.245	108.245	—	12.149	12.149	—	—	—
CL/(HC03+C03)	2.150	2.165	—	2.165	1.606	—	1.606	1.606	—	0.112	0.112	—	—	—
CL/F	—	—	—	—	—	—	—	—	—	—	—	—	—	—
CL*100/(CL+S04+HC03+C03)	62.532	66.341	—	66.341	52.770	—	52.770	52.770	—	8.965	8.965	—	—	—
S04*100/(CL+S04+HC03+C03)	8.383	3.010	—	3.010	14.380	—	14.380	14.380	—	10.772	10.772	—	—	—
(HC03+C03)*100/(CL+S04+HC03+C03)	29.085	30.649	—	30.649	32.851	—	32.851	32.851	—	80.263	80.263	—	—	—
(NA+K)*100/(NA+K+CA+MG)	94.273	97.324	—	97.324	98.456	—	98.456	98.456	—	87.449	87.449	—	—	—
CA*100/(NA+K+CA+MG)	5.259	2.089	—	2.089	0.869	—	0.869	0.869	—	6.327	6.327	—	—	—
MG*100/(NA+K+CA+MG)	0.468	0.587	—	0.587	0.674	—	0.674	0.674	—	6.225	6.225	—	—	—
(CL+S04)*100/(CL+S04+HC03+C03)	70.915	69.351	—	69.351	67.149	—	67.149	67.149	—	19.737	19.737	—	—	—
(HC03+C03)*100/(CL+S04+HC03+C03)	29.085	30.649	—	30.649	32.851	—	32.851	32.851	—	80.263	80.263	—	—	—
(NA+K)*100/(NA+K+CA+MG)	94.273	97.324	—	97.324	98.456	—	98.456	98.456	—	87.449	87.449	—	—	—
(CA+MG)*100/(NA+K+CA+MG)	5.727	2.676	—	2.676	1.544	—	1.544	1.544	—	12.551	12.551	—	—	—

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC 97		MTC 98		MTC 99		MTC100	
	43.0	59.0	45.5	45.5	45.5	45.5	45.5	45.5
TEMP	465.400	776.000	371.400	371.400	266.600	266.600	266.600	266.600
PH(FD)	7.80	8.10	7.70	7.70	8.50	8.50	8.50	8.50
PH(LB)	-	8.12	7.72	7.72	8.25	8.25	8.25	8.25
H (MG/KG)(MVAL/KG)								
K	13.290	27.760	0.340	0.710	6.255	0.160	1.955	0.050
NA	95.670	203.400	4.162	8.848	90.840	3.952	59.790	2.601
NH4	0.600	0.350	0.033	0.019	-	-	0.080	0.004
CA	25.990	5.571	1.297	0.478	16.740	0.835	13.030	0.650
MG	0.216	12.560	0.018	1.034	1.350	0.111	TR.	-
FE	-	0.300	0.011	0.002	0.060	-	-	-
MN	0.100	0.090	0.004	0.003	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	-	0.078	-	0.009	0.054	0.006	-	-
CL	56.590	172.800	1.596	4.875	126.300	3.563	81.800	2.308
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	0.011	0.022	0.001	0.001	0.008	0.000	0.054	0.003
S04	5.380	26.990	0.112	0.562	10.620	0.221	13.660	0.284
S203	-	-	-	-	-	-	-	-
HC03	254.400	365.600	4.170	5.992	72.350	1.186	49.520	0.812
C03	0.951	2.697	0.032	0.090	0.231	0.008	0.925	0.031
SI02 (MG/KG)(MMOL/KG)	24.595	70.202	0.410	1.169	46.604	0.776	38.203	0.636
HR02	10.300	19.113	0.235	0.436	6.371	0.145	4.168	0.095
H3P04	0.050	0.031	0.001	0.000	-	-	0.025	0.000
HAS02	-	-	-	-	0.043	0.000	0.097	0.001
C02	-	-	-	-	3.767	0.086	0.381	0.009
H2S	-	-	-	-	-	-	-	-
RN (*F-10 CURIE/L)	-	-	-	-	-	-	-	-
NA/K	12.242	12.460	-	-	24.697	-	52.008	-
CA/(HC03+C03)	0.309	0.079	0.070	0.700	0.700	0.772	0.772	0.772
MG/CA	0.014	2.164	0.133	2.133	4.731	4.000	4.000	4.000
INA/CA	3.209	18.526	0.801	2.985	2.985	2.739	2.739	2.739
CL/(HC03+C03)	0.380	-	-	-	-	-	-	-
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	27.013	42.320	71.580	71.580	71.580	71.580	67.189	67.189
S04*100/(CL+S04+HC03+C03)	1.895	4.878	4.442	4.442	4.442	4.442	8.281	8.281
(HC03+C03)*100/(CL+S04+HC03+C03)	71.091	52.802	23.978	23.978	23.978	23.978	24.530	24.530
(NA+K)*100/(NA+K+CA+MG)	77.397	85.348	81.289	81.289	81.289	81.289	-	-
CA*100/(NA+K+CA+MG)	22.298	4.315	16.515	16.515	16.515	16.515	-	-
MG*100/(NA+K+CA+MG)	0.306	9.337	2.196	2.196	2.196	2.196	-	-
(CL+S04)*100/(CL+S04+HC03+C03)	28.909	47.198	76.022	76.022	76.022	76.022	75.470	75.470
(HC03+C03)*100/(CL+S04+HC03+C03)	71.091	52.802	23.978	23.978	23.978	23.978	24.530	24.530
(NA+K)*100/(NA+K+CA+MG)	77.397	85.348	81.289	81.289	81.289	81.289	-	-
(CA+MG)*100/(NA+K+CA+MG)	22.603	13.652	18.711	18.711	18.711	18.711	-	-

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

	MTC101	MTC102	MTC103	MTC104
NO	99.0	57.0	62.5	47.0
TEMP	1393.000	570.800	388.200	358.200
TSM	9.30	8.10	8.20	8.50
PH(FD)	9.10	8.35	8.19	8.40
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	52.390	32.450	3.519	2.346
NA	418.500	135.700	71.290	115.000
NH4	0.300	0.400	0.222	0.003
CA	1.890	3.824	0.196	0.455
MG	0.271	0.843	0.069	0.033
FE	0.190	0.240	0.009	0.001
MN	0.012	0.104	0.022	0.001
ZN				
CU				
PB				
AL	0.120	0.011	0.058	0.001
CL	481.100	13.572	140.900	154.300
BR				
I				
F				
OH	0.340	0.022	0.027	0.054
S04	90.790	27.580	9.631	14.160
S203	0.585	0.010	0.201	0.295
HC03	276.400	4.530	71.080	78.610
C03	65.160	2.172	0.762	1.288
SI02 (MG/KG) (MMOL/KG)				
HE02	171.546	0.792	0.633	1.470
H3E04	32.781	66.879	40.782	37.389
HAS02	0.094	18.394	17.753	10.897
C02	0.333	0.555	0.019	0.206
H2S	3.841	0.131	0.015	0.255
		2.069	1.063	0.607
RN (*E-10 CURIE/L)				
NA/K	13.584	7.111	34.451	83.360
CA/(HC03+C03)	0.015	0.109	1.364	0.340
MG/CA	0.225	0.354	0.045	0.072
NA/CA	183.329	30.147	1.916	10.986
CL/(HC03+C03)	2.025	2.879	3.351	3.255
CL/F				
CL*100/(CL+S04+HC03+C03)	61.234	68.545	74.137	72.728
S04*100/(CL+S04+HC03+C03)	8.528	7.645	3.740	4.926
(HC03+C03)*100/(CL+S04+HC03+C03)	30.238	23.810	22.123	22.346
(NA+K)*100/(NA+K+CA+MG)	99.382	96.211	65.367	91.207
CA*100/(NA+K+CA+MG)	0.595	2.798	33.148	8.203
MG*100/(NA+K+CA+MG)	0.113	0.991	1.485	0.590
(CL+S04)*100/(CL+S04+HC03+C03)	69.762	76.190	77.877	77.654
(HC03+C03)*100/(CL+S04+HC03+C03)	30.238	23.810	22.123	22.346
(NA+K)*100/(NA+K+CA+MG)	99.382	96.211	65.367	91.207
(CA+MG)*100/(NA+K+CA+MG)	0.618	3.789	34.633	8.793

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC105		MTC106		MTC107		MTC108	
	53.2	56.8	56.8	59.5	59.5	80.5	80.5	80.5
TEMP	689.000	685.000	685.000	671.000	671.000	959.600	959.600	959.600
TSM	8.10	8.50	8.50	8.50	8.50	8.80	8.80	8.80
PH(FD)	8.18	8.41	8.41	8.57	8.57	8.60	8.60	8.60
PH(LB)								
H (MG/KG) (MVAL/KG)								
K	24.240	0.620	28.540	0.730	25.020	22.680	0.580	0.580
NA	161.000	7.004	177.100	7.704	184.000	266.800	11.606	11.606
NH4			0.285	0.016		0.725	0.040	0.040
CA	14.670	0.732	3.056	0.152	2.903	3.203	0.160	0.160
MG	6.983	0.575	TR		0.071	2.763	0.227	0.227
FE	0.128	0.005	0.086	0.003	0.091	0.088	0.003	0.003
MN	0.079	0.003	0.016	0.001		0.005	0.000	0.000
ZN								
CU								
PB								
AL			0.093	0.010				
CL	143.200	4.040	223.800	6.313	216.900	301.700	8.511	8.511
BR								
I								
F								
OH	0.022	0.001	0.054	0.003	0.054	0.107	0.006	0.006
S04	21.240	0.442	21.240	0.442	20.910	86.020	1.791	1.791
S203								
HCO3	301.800	4.947	124.300	2.037	132.000	203.400	3.334	3.334
CO3	2.224	0.074	2.320	0.077	2.464	7.600	0.253	0.253
SI02 (MG/KG) (MMOL/KG)	81.772	1.351	59.982	0.999	59.180	88.161	1.468	1.468
HE02	11.782	0.269	13.668	0.312	12.481	19.291	0.440	0.440
H3P04			0.177	0.002	0.177	0.033	0.000	0.000
HAS02			0.075	0.001	0.078	0.053	0.000	0.000
CO2	5.806	0.132	0.958	0.022	1.017	0.777	0.018	0.018
H2S						0.579	0.017	0.017
RN (*E-10 CURIE/L)								
NA/K	11.295	10.552	10.552	12.506	12.506	20.005	20.005	20.005
CA/(HCO3+C03)	0.146	0.072	0.072	0.065	0.065	0.045	0.045	0.045
MG/CA	0.785			0.040	0.040	1.423	1.423	1.423
NA/CA	9.567	50.519	50.519	55.253	55.253	72.614	72.614	72.614
CL/(HCO3+C03)	0.805	2.986	2.986	2.725	2.725	2.373	2.373	2.373
CL/F								
CL*100/(CL+S04+HCO3+C03)	42.512	71.175	71.175	69.534	69.534	61.279	61.279	61.279
S04*100/(CL+S04+HCO3+C03)	4.654	4.985	4.985	4.947	4.947	12.895	12.895	12.895
(HCO3+C03)*100/(CL+S04+HCO3+C03)	52.835	23.839	23.839	25.519	25.519	25.827	25.827	25.827
(NA+K)*100/(NA+K+CA+MG)	85.368			98.286	98.286	96.920	96.920	96.920
CA*100/(NA+K+CA+MG)	8.197			1.647	1.647	1.271	1.271	1.271
MG*100/(NA+K+CA+MG)	6.435			0.066	0.066	1.808	1.808	1.808
(CL+S04)*100/(CL+S04+HCO3+C03)	47.165	76.161	76.161	74.481	74.481	74.173	74.173	74.173
(HCO3+C03)*100/(CL+S04+HCO3+C03)	52.835	23.839	23.839	25.519	25.519	25.827	25.827	25.827
(NA+K)*100/(NA+K+CA+MG)	85.368			98.286	98.286	96.920	96.920	96.920
(CA+MG)*100/(NA+K+CA+MG)	14.632			1.714	1.714	3.080	3.080	3.080

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

	MTC109	MTC110	MTC111	MTC112
NO	42.3	97.6	76.0	.48.0
TEMP	331.000	1849.800	990.300	317.800
TSM		7.30	7.30	7.30
PH(FD)				
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	5.864	25.100	23.600	4.800
NA	71.290	534.400	273.500	76.000
NH4				
CA	12.910	35.100	3.900	2.100
MG	1.330	1.100	0.500	0.500
FE	0.182			
MN				
ZN				
CU				
PB				
AL	0.090	1.200	0.900	TR.
CL	101.100	789.500	363.900	92.300
BR				
I				
F				
OH	0.011			
S04	10.130	113.800	51.300	3.600
S203				
HC03	61.550	74.400	91.600	54.900
C03	0.230			
SI02 (MG/KG) (MMOL/KG)	30.791	211.711	139.320	64.313
HB02	0.931			
H3PO4	0.015			
HAS02	0.034			
C02	2.350			
H2S				
RN (*E-10 .CURIE/L)		0.946	1.238	0.364
NA/K	20.674	36.206	19.708	26.925
CA/(HC03+C03)	0.634	1.436	0.130	0.116
MG/CA	0.170	0.052	0.211	0.393
NA/CA	4.814	13.272	61.134	31.549
CL/(HC03+C03)	2.806	18.264	6.838	2.894
CL/F				
CL*100/(CL+S04+HC03+C03)	69.913	86.123	79.981	72.761
S04*100/(CL+S04+HC03+C03)	5.170	9.162	8.322	2.094
(HC03+C03)*100/(CL+S04+HC03+C03)	24.917	4.715	11.697	25.145
(NA+K)*100/(NA+K+CA+MG)	81.181	92.841	98.149	95.918
CA*100/(NA+K+CA+MG)	16.086	6.807	1.528	2.931
MG*100/(NA+K+CA+MG)	2.733	0.352	0.323	1.131
(CL+S04)*100/(CL+S04+HC03+C03)	75.083	95.285	88.303	74.855
(HC03+C03)*100/(CL+S04+HC03+C03)	24.917	4.715	11.697	25.145
(NA+K)*100/(NA+K+CA+MG)	81.181	92.841	98.149	95.918
(CA+MG)*100/(NA+K+CA+MG)	18.819	7.159	1.851	4.082

第 44-2 表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC113		MTC114		MTC115		MTC116	
	100.0	1978.000	100.0	1947.600	47.0	1726.700	100.0	1726.700
TEMP	7.40	7.40	7.40	7.40	7.30	7.40	7.40	7.40
TSM	-	-	-	-	-	-	-	-
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG) (WAL/KG)								
K	30.100	0.770	28.200	0.721	9.300	0.238	22.600	0.578
NA	565.700	24.608	560.900	24.399	109.800	4.776	495.600	21.559
INH4	-	-	-	-	-	-	-	-
CA	42.800	2.136	45.900	2.290	2.600	0.130	40.600	2.026
MG	0.800	0.066	0.700	0.058	0.500	0.041	1.200	0.099
FE	-	-	-	-	-	-	-	-
MN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	1.000	0.111	0.800	0.089	0.600	0.067	0.800	0.089
CL	850.200	23.984	846.700	23.885	131.400	3.707	737.500	20.805
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	126.000	2.623	123.400	2.569	15.600	0.325	106.900	2.226
S203	-	-	-	-	-	-	-	-
HC03	65.900	1.080	67.100	1.100	74.400	1.219	66.400	1.088
C03	-	-	-	-	-	-	-	-
ST02 (MG/KG) (MMOL/KG)	227.328	3.785	210.711	3.508	98.317	1.637	196.248	3.268
H802	-	-	-	-	-	-	-	-
H3P04	-	-	-	-	-	-	-	-
HAS02	-	-	-	-	-	-	-	-
C02	TR.	-	TR.	-	TR.	-	TR.	-
H2S	-	-	-	-	-	-	-	-
RN (#F-10 CURTE/L)	0.728	0.400	0.400	0.728	0.728	0.510	0.510	0.510
NA/K	31.960	33.824	33.824	20.077	20.077	37.292	37.292	37.292
CA/(HC03+C03)	1.977	2.083	2.083	0.106	0.106	1.862	1.862	1.862
MG/CA	0.031	0.025	0.025	0.317	0.317	0.049	0.049	0.049
NA/CA	11.522	10.653	10.653	36.814	36.814	10.641	10.641	10.641
CL/(HC03+C03)	22.205	21.719	21.719	3.040	3.040	19.117	19.117	19.117
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+C03)	86.624	86.685	86.685	70.592	70.592	86.260	86.260	86.260
S04*100/(CL+S04+HC03+C03)	9.475	9.324	9.324	6.185	6.185	9.228	9.228	9.228
(HC03+C03)*100/(CL+S04+HC03+C03)	3.991	3.991	3.991	23.223	23.223	4.512	4.512	4.512
(NA+K)*100/(NA+K+CA+MG)	92.017	91.452	91.452	96.704	96.704	91.243	91.243	91.243
CA*100/(NA+K+CA+MG)	7.744	8.338	8.338	2.502	2.502	8.350	8.350	8.350
MG*100/(NA+K+CA+MG)	0.239	0.210	0.210	0.794	0.794	0.407	0.407	0.407
(CL+S04)*100/(CL+S04+HC03+C03)	96.099	96.009	96.009	76.777	76.777	95.488	95.488	95.488
(HC03+C03)*100/(CL+S04+HC03+C03)	3.991	3.991	3.991	23.223	23.223	4.512	4.512	4.512
(NA+K)*100/(NA+K+CA+MG)	92.017	91.452	91.452	96.704	96.704	91.243	91.243	91.243
(CA+MG)*100/(NA+K+CA+MG)	7.993	8.548	8.548	3.296	3.296	8.757	8.757	8.757

第44-2表 天ヶ瀬地域水質一覧表 (つづき)

	MTC121	MTC122	MTC123	MTC124
NO	75.8	87.0	86.8	83.3
TEMP	1834.100	1583.100	1683.500	1453.000
TSM	8.60	8.82	8.84	9.00
PH(FD)				
PH(LB)				
H (MG/KG) (KVAL/KG)				
K	68.400	1.750	1.502	1.033
NA	521.900	58.700	.49.000	40.400
NH4		442.300	.497.100	419.800
CA	38.300	1.956	1.926	30.300
MC	1.100	1.000	0.091	1.000
FE	0.200	0.007	0.004	0.100
MN				
ZN				
CU				
PB				
AL	1.200	0.133	0.100	0.700
CL	709.200	20.007	16.957	536.900
BR				
I				
F				
OH	2.100	0.123	0.065	0.200
S04	115.300	2.401	2.209	91.400
S2O3				
HCO3	88.200	1.446	1.395	113.700
.CO3	10.700	0.357	0.187	1.400
ST02 (MG/KG) (MMOL/KG)	138.936	2.313	113.533	101.163
HT02	98.465	2.247	90.686	87.103
H3PO4	0.715	0.007	0.613	0.511
HAS02				
CO2				
H2S	0.800	0.023	0.021	0.200
RN (*E-10 CURIE/L)	1.960	0.790	0.970	1.140
NA/K	12.975	12.813	17.252	17.671
CA/(HCO3+CO3)	1.060	1.237	0.991	0.792
MG/CA	0.047	0.042	0.047	0.054
NA/CA	11.879	9.836	11.227	12.078
CL/(HCO3+CO3)	11.101	10.723	9.367	7.929
CL/F				
CL*100/(CL+S04+HCO3+CO3)	82.640	81.731	81.212	79.887
SO4*100/(CL+S04+HCO3+CO3)	9.916	10.647	10.118	10.037
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	7.444	7.622	8.670	10.075
(NA+K)*100/(NA+K+CA+MG)	92.433	91.052	91.899	92.368
CA*100/(NA+K+CA+MG)	7.225	5.587	7.737	7.238
MG*100/(NA+K+CA+MG)	0.342	0.361	0.364	0.394
(CL+S04)*100/(CL+S04+HCO3+CO3)	92.556	92.378	91.330	89.925
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	7.444	7.622	8.670	10.075
(NA+K)*100/(NA+K+CA+MG)	92.433	91.052	91.899	92.368
(CA+MG)*100/(NA+K+CA+MG)	7.567	8.948	8.101	7.632

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC125		MTC126		MTC127		MTC128	
	93.3	90.1	65.0	55.1	1628.200	1759.300	43.800	1.120
TEMP	1885.900	1865.600	1865.600	1759.300	1628.200	1759.300	43.800	1.120
TSM	9.00	8.52	8.52	8.90	8.64	8.90	474.700	20.649
PH(FD)	-	-	-	-	-	-	-	-
PH(LB)	-	-	-	-	-	-	-	-
H (MG/KG)(HVAL/KG)	-	-	-	-	-	-	-	-
K	62.800	1.606	85.000	2.174	63.800	1.632	43.800	1.120
NA	532.400	23.159	517.300	22.503	454.500	19.771	474.700	20.649
NH4	-	-	-	-	-	-	-	-
CA	41.500	2.071	40.500	2.021	40.600	2.026	39.800	1.986
MG	1.200	0.099	1.200	0.099	1.200	0.099	1.100	0.091
FE	0.300	0.011	0.200	0.007	0.100	0.004	0.100	0.004
MN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.700	0.078	1.100	0.122	1.000	0.111	1.000	0.111
CL	713.200	20.119	705.200	19.894	617.100	17.408	624.200	17.609
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	4.300	0.253	3.700	0.218	2.100	0.123	2.400	0.141
S04	117.100	2.438	115.000	2.394	102.300	2.130	112.800	2.348
S203	-	-	-	-	-	-	-	-
HC03	84.500	1.385	106.200	1.741	93.400	1.531	82.200	1.347
CO3	20.900	0.697	13.700	0.457	13.200	0.373	11.500	0.383
ST02 (MG/KG)(MMOL/KG)	166.015	2.764	139.397	2.321	116.164	1.934	211.173	3.516
HF02	92.733	2.116	97.032	2.214	91.300	2.083	92.733	2.116
H3PO4	0.613	0.006	0.511	0.005	0.715	0.007	0.613	0.006
HAS02	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	-	-
H2S	0.700	0.021	0.500	0.015	0.300	0.009	0.400	0.012
RN (*E-10 .CURIE/L)	1.290	0.520	0.520	0.930	0.930	1.100	1.100	1.100
NA/K	14.417	10.349	10.349	12.114	12.114	18.430	18.430	18.430
CA/(HC03+CO3)	0.995	0.920	0.920	1.148	1.148	1.148	1.148	1.148
MG/CA	0.048	0.049	0.049	0.049	0.049	0.046	0.046	0.046
NA/CA	11.184	11.135	11.135	9.759	9.759	10.397	10.397	10.397
CL/(HC03+CO3)	9.666	9.054	9.054	9.142	9.142	10.175	10.175	10.175
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	81.657	81.248	81.248	81.187	81.187	81.192	81.192	81.192
S04*100/(CL+S04+HC03+CO3)	9.895	9.779	9.779	9.933	9.933	10.829	10.829	10.829
(HC03+CO3)*100/(CL+S04+HC03+CO3)	8.448	8.974	8.974	8.880	8.880	7.979	7.979	7.979
(NA+K)*100/(NA+K+CA+MG)	91.945	92.090	92.090	90.969	90.969	91.292	91.292	91.292
CA*100/(NA+K+CA+MG)	7.688	7.542	7.542	8.611	8.611	8.328	8.328	8.328
MG*100/(NA+K+CA+MG)	0.367	0.369	0.369	0.420	0.420	0.380	0.380	0.380
(CL+S04)*100/(CL+S04+HC03+CO3)	91.552	91.026	91.026	91.120	91.120	92.021	92.021	92.021
(HC03+CO3)*100/(CL+S04+HC03+CO3)	8.448	8.974	8.974	8.880	8.880	7.979	7.979	7.979
(NA+K)*100/(NA+K+CA+MG)	91.945	92.090	92.090	90.969	90.969	91.292	91.292	91.292
(CA+MG)*100/(NA+K+CA+MG)	8.055	7.910	7.910	9.031	9.031	8.708	8.708	8.708

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

NO	MTC129		MTC130		MTC131		MTC132	
	90.7	68.7	77.1	95.5	71.1	77.1	95.5	
TEMP	1592.200	1836.000	1641.100	1763.000	1641.100	1641.100	1763.000	
TSM	8.80	8.90	8.90	8.95	8.90	8.90	8.95	
PH(PD)	-	-	-	-	-	-	-	
PH(LB)	-	-	-	-	-	-	-	
H (MG/KG)(MVAL/KG)	65.600	54.300	51.800	46.200	51.800	46.200	1.182	
K	450.800	519.100	446.200	446.200	446.200	513.100	22.320	
NA	38.300	40.200	45.900	41.100	41.100	41.100	2.051	
NH4	0.600	1.200	1.000	0.900	1.000	0.900	0.074	
CA	0.300	0.200	0.200	0.200	0.200	0.300	0.011	
MG	-	-	-	-	-	-	-	
FE	-	-	-	-	-	-	-	
MN	-	-	-	-	-	-	-	
ZN	-	-	-	-	-	-	-	
CU	-	-	-	-	-	-	-	
PB	-	-	-	-	-	-	-	
AL	0.700	1.200	0.900	0.900	0.900	1.100	0.122	
CL	601.000	705.200	625.100	625.100	625.100	726.800	20.503	
BR	-	-	-	-	-	-	-	
I	-	-	-	-	-	-	-	
F	2.600	2.000	2.200	2.200	2.200	1.600	0.094	
SO4	96.000	120.500	107.100	107.100	107.100	103.000	2.144	
S2O3	-	-	-	-	-	-	-	
HCO3	102.700	83.100	92.100	92.100	92.100	49.200	0.806	
CO3	15.400	9.800	11.700	11.700	11.700	7.500	0.250	
STO2 (MG/KG)(MMOL/KG)	100.932	164.169	154.091	154.091	154.091	144.705	2.409	
HB02	88.536	87.103	57.114	57.114	57.114	85.466	1.950	
H3PO4	0.511	0.715	0.817	0.817	0.817	0.613	0.006	
HASO2	-	-	-	-	-	-	-	
CO2	0.600	0.500	0.400	0.400	0.400	0.100	0.003	
H2S	-	-	-	-	-	-	-	
RR (*F-IC CURIE/L)	0.520	1.220	1.400	1.400	1.400	0.150	-	
NA/K	11.686	16.257	14.648	14.648	14.648	18.886	-	
CA/(HCO3+CO3)	0.870	0.188	0.206	0.206	0.206	1.901	-	
MG/CA	0.026	0.049	0.036	0.036	0.036	0.036	-	
NA/CA	10.261	11.257	8.474	8.474	8.474	10.883	-	
CL/(HCO3+CO3)	7.719	11.781	9.284	9.284	9.284	19.409	-	
.CL/F	-	-	-	-	-	-	-	
CL*100/(CL+S04+HCO3+CO3)	80.164	82.577	81.026	81.026	81.026	86.497	-	
S04*100/(CL+S04+HCO3+CO3)	9.450	10.414	10.206	10.206	10.206	9.047	-	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.386	7.009	8.728	8.728	8.728	4.457	-	
(NA+K)*100/(NA+K+CA+MG)	91.567	91.928	89.732	89.732	89.732	91.708	-	
CA*100/(NA+K+CA+MG)	8.221	7.653	9.912	9.912	9.912	8.003	-	
MG*100/(NA+K+CA+MG)	0.212	0.379	0.356	0.356	0.356	0.289	-	
(CL+S04)*100/(CL+S04+HCO3+CO3)	89.614	92.991	91.272	91.272	91.272	95.543	-	
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	10.386	7.009	8.728	8.728	8.728	4.457	-	
(NA+K)*100/(NA+K+CA+MG)	91.567	91.928	89.732	89.732	89.732	91.708	-	
(CA+MG)*100/(NA+K+CA+MG)	8.433	8.072	9.128	9.128	9.128	8.292	-	

第44-2表 天ヶ瀬地域水質一覽表 (つづき)

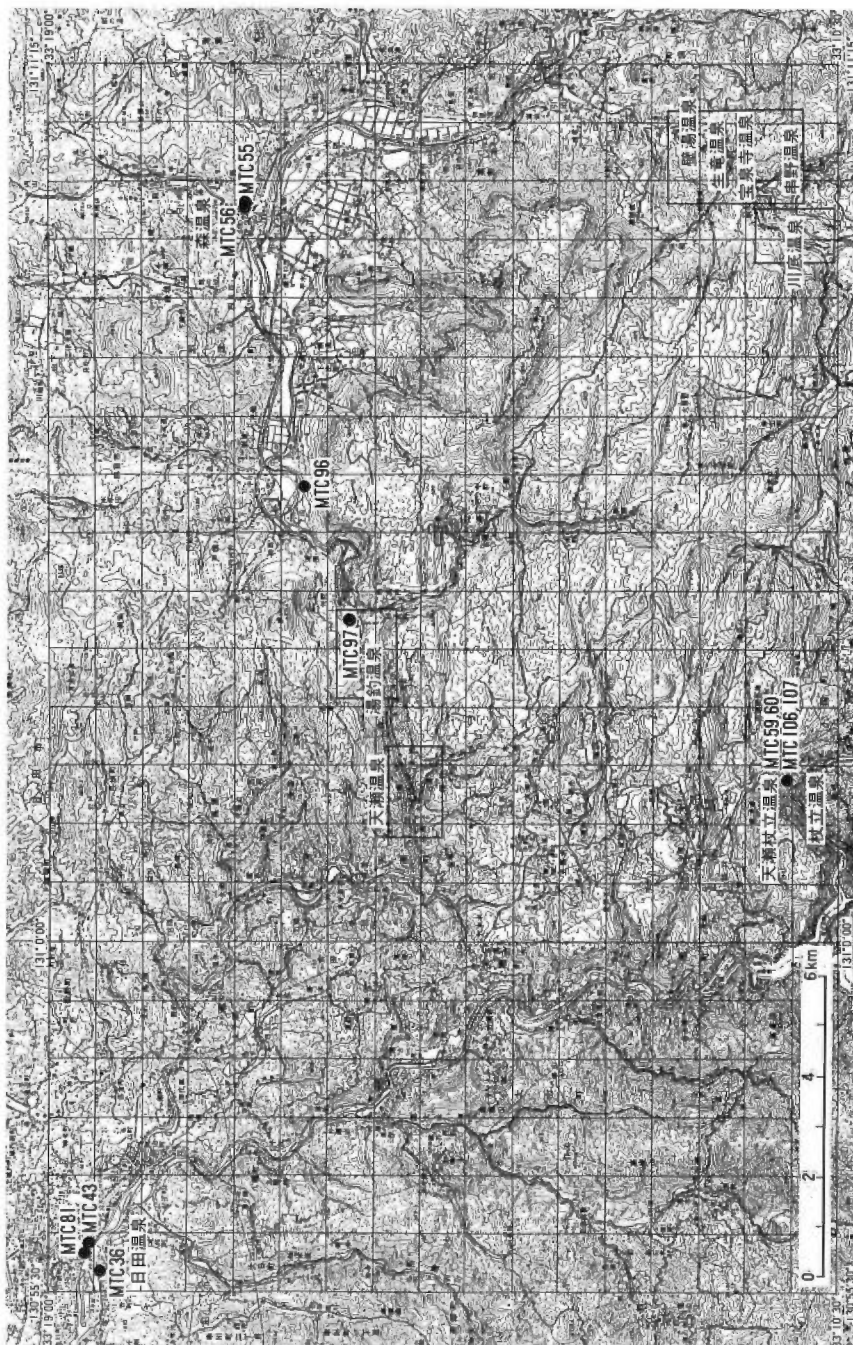
NO	MTC133		MTC134		MTC135		MTC136	
	TEMP	ISM	PH(FD)	PH(LB)	H (MG/KG)	(MVAL/KG)	CL	BR
K	43.890	1.120	47.000	1.202	66.800	1.709	23.800	0.609
NA	534.900	23.268	509.300	22.155	564.200	24.543	348.538	15.161
NAH4	-	-	-	-	0.704	0.039	0.193	0.011
CA	40.300	2.011	41.500	2.071	24.048	1.200	17.187	0.858
MG	0.500	0.041	0.700	0.056	16.197	1.333	10.727	0.883
FE	0.200	0.007	0.300	0.011	1.020	0.037	0.068	0.002
MN	-	-	-	-	0.130	0.005	0.017	0.001
ZN	-	-	-	-	0.378	0.012	0.032	0.001
CU	-	-	-	-	0.089	0.003	0.012	0.000
PB	-	-	-	-	0.104	0.001	0.008	0.000
AL	0.800	0.089	1.100	0.122	0.520	0.058	0.395	0.044
CL	755.600	21.315	723.200	20.401	903.137	25.477	468.272	13.210
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	7.900	0.416	5.500	0.290
OH	1.100	0.065	1.800	0.106	0.034	0.002	0.086	0.005
S04	111.500	2.321	102.200	2.128	117.360	2.443	96.154	2.002
S203	-	-	-	-	0.005	0.000	0.056	0.001
HC03	51.600	0.846	48.400	0.793	22.992	0.377	92.051	1.509
CO3	3.400	0.113	7.700	0.257	0.150	0.005	3.260	0.109
SI02	126.473	2.106	146.859	2.445	128.656	2.142	211.450	3.521
HB02	83.111	1.857	84.340	1.925	57.399	1.310	16.225	0.370
H3P04	0.511	0.005	0.613	0.006	0.411	0.004	0.271	0.003
HAS02	-	-	-	-	0.984	0.009	0.806	0.007
CO2	-	-	-	-	0.555	0.013	0.477	0.011
H2S	0.100	0.003	0.100	0.003	0.324	0.010	0.255	0.007
RN (*E-10 CURIE/L)	0.150	0.200	0.200	0.150	0.150	0.150	3.270	0.007
NA/K	20.768	18.427	14.363	14.363	24.304	0.530	24.304	0.530
CA/(HC03+CO3)	2.097	1.972	3.143	3.143	0.530	1.029	1.029	0.003
MG/CA	0.020	0.028	1.111	1.111	17.678	17.678	17.678	17.678
NA/CA	11.571	10.698	20.452	20.452	66.723	66.723	66.723	66.723
CL/(HC03+CO3)	22.226	19.452	61.265	61.265	78.494	78.494	78.494	78.494
CL/7F	-	-	-	-	11.896	11.896	11.896	11.896
CL*100/(CL+S04+HC03+CO3)	86.663	86.663	90.018	90.018	9.610	9.610	9.610	9.610
S04*100/(CL+S04+HC03+CO3)	9.438	9.024	8.633	8.633	90.061	90.061	90.061	90.061
(HC03+CO3)*100/(CL+S04+HC03+CO3)	3.899	4.453	1.349	1.349	5.041	5.041	5.041	5.041
(NA+K)*100/(NA+K+CA+MG)	92.239	91.648	91.201	91.201	90.390	90.390	90.390	90.390
CA*100/(NA+K+CA+MG)	7.606	8.126	4.169	4.169	9.610	9.610	9.610	9.610
MG*100/(NA+K+CA+MG)	0.156	0.226	4.630	4.630	90.061	90.061	90.061	90.061
(CL+S04)*100/(CL+S04+HC03+CO3)	96.101	95.547	98.651	98.651	90.061	90.061	90.061	90.061
(HC03+CO3)*100/(CL+S04+HC03+CO3)	3.899	4.453	1.349	1.349	90.061	90.061	90.061	90.061
(NA+K)*100/(NA+K+CA+MG)	92.239	91.648	91.201	91.201	90.061	90.061	90.061	90.061
(CA+MG)*100/(NA+K+CA+MG)	7.761	8.352	8.799	8.799	90.061	90.061	90.061	90.061

第44-3表 天ヶ瀬地域特定成分量の頻度分布表

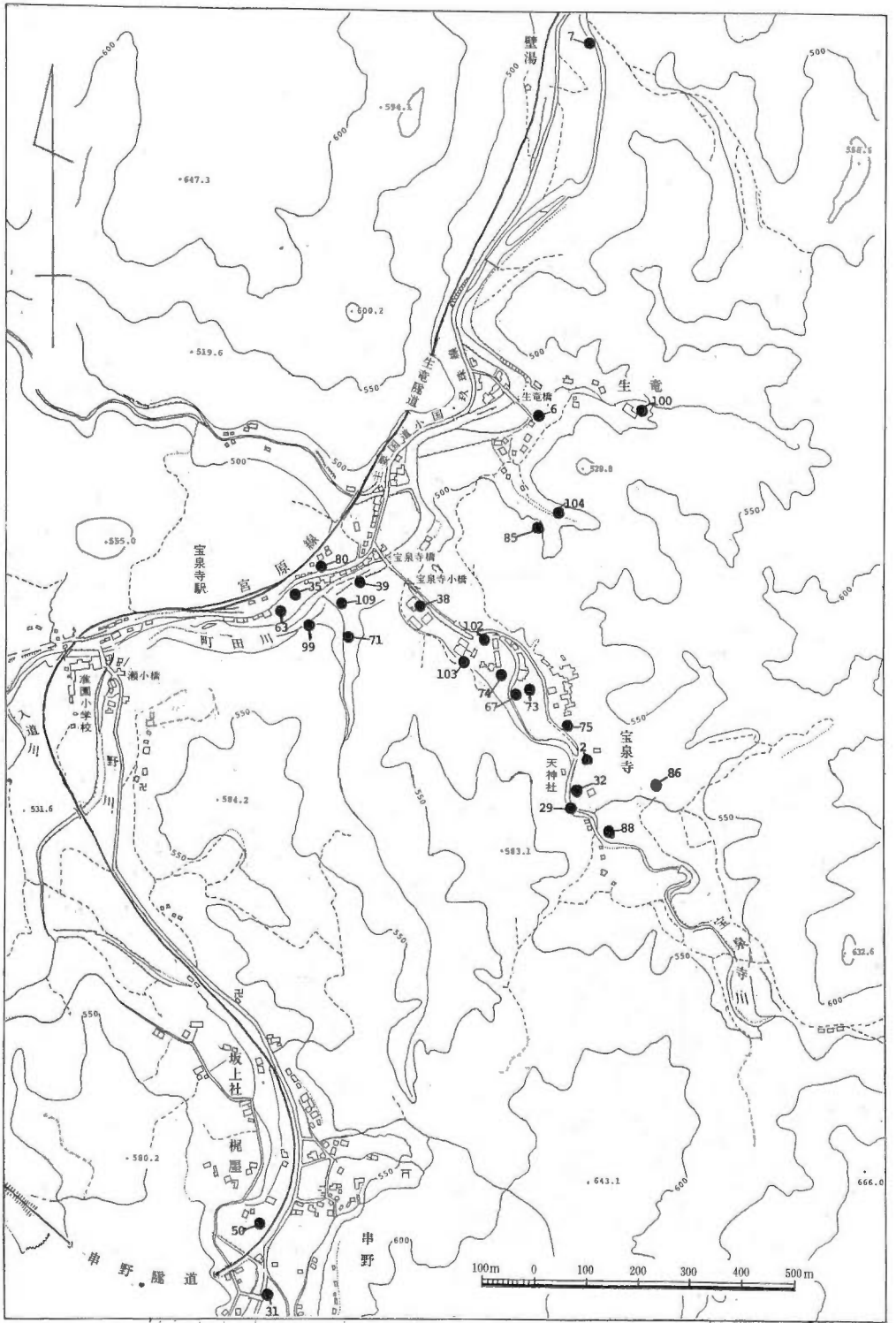
FREQUENCY DATA OF ZN, CU, PB, AS AND H2S

ZN	N	F(%)	CU	N	F(%)
ND	134	96.4	ND	133	95.7
<0.500	5	3.6	<0.300	6	4.3
<5.000	0	0.	<3.000	0	0.
>5.000	0	0.	>3.000	0	0.
TOTAL	139	100.0	TOTAL	139	100.0
PB	N	F(%)	AS	N	F(%)
ND	134	96.4	ND	139	100.0
<0.100	4	2.9	<0.050	0	0.
<1.000	1	0.7	<0.500	0	0.
>1.000	0	0.	<5.000	0	0.
TOTAL	139	100.0	>5.000	0	0.
H2S	N	F(%)	TOTAL	139	100.0
ND	70	50.4			
< 1.000	41	29.5	N= NUMBER OF SAMPLES		
< 10.000	27	19.4	F= FREQUENCY (%)		
<100.000	1	0.7			
>100.000	0	0.			
TOTAL	139	100.0			

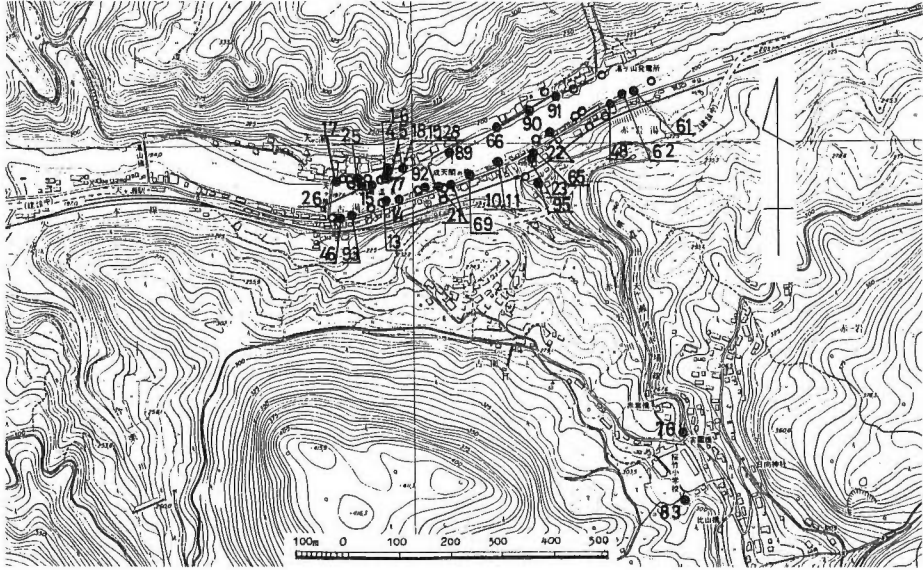
第 44-1 図 天ヶ瀬地域の温泉分布及び試料採取地（この地図は、国土地理院発行の 5 万分の 1 地形図「日田」及び「森」を使用したものである。）



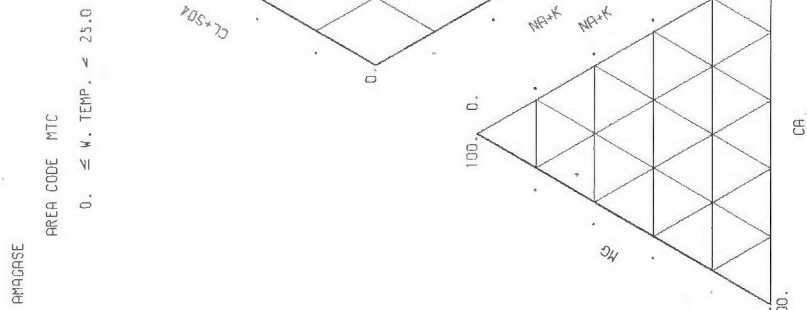
第44-2図 試料採取地(壁湯, 生竜, 宝泉寺, 串野温泉)



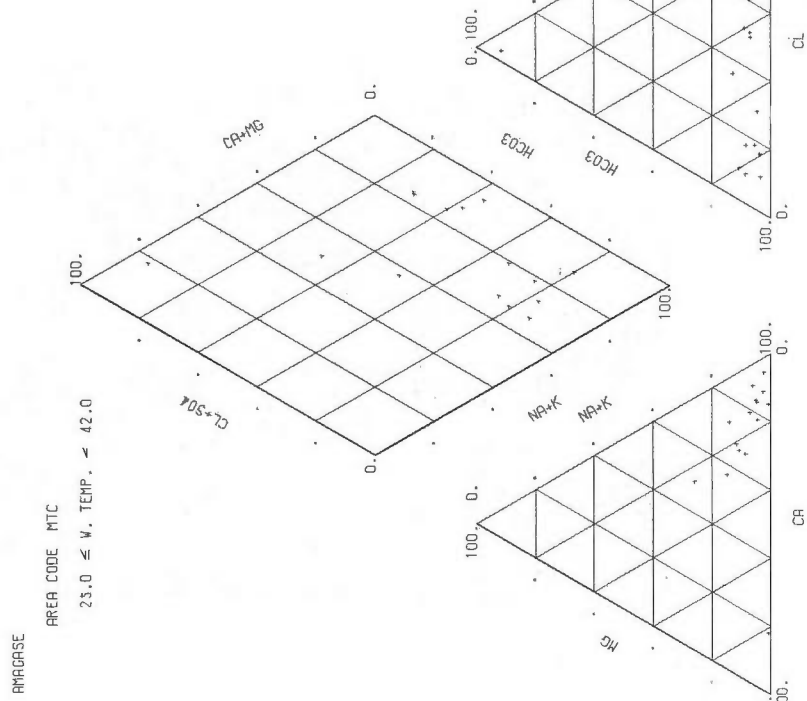
第 44-5 図 試料採取地 (天瀬温泉)



第44-6図 天ヶ瀬地域水質組成図 (その1) (水温25°C未満)



第44-6図 天ヶ瀬地域水質組成図 (その2) (水温25°C以上42°C未満)

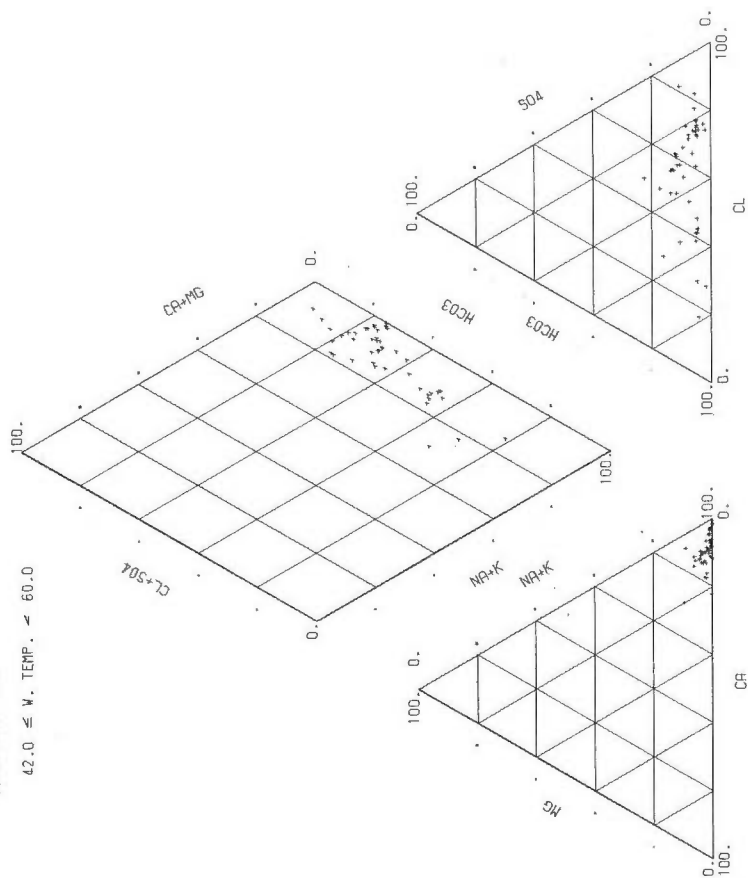


第44-6図 天ヶ瀬地域水質組成図(その3)(水温42℃以上60℃未満)

AREA CASE

AREA CODE MTC

42.0 ≤ W. TEMP. < 60.0

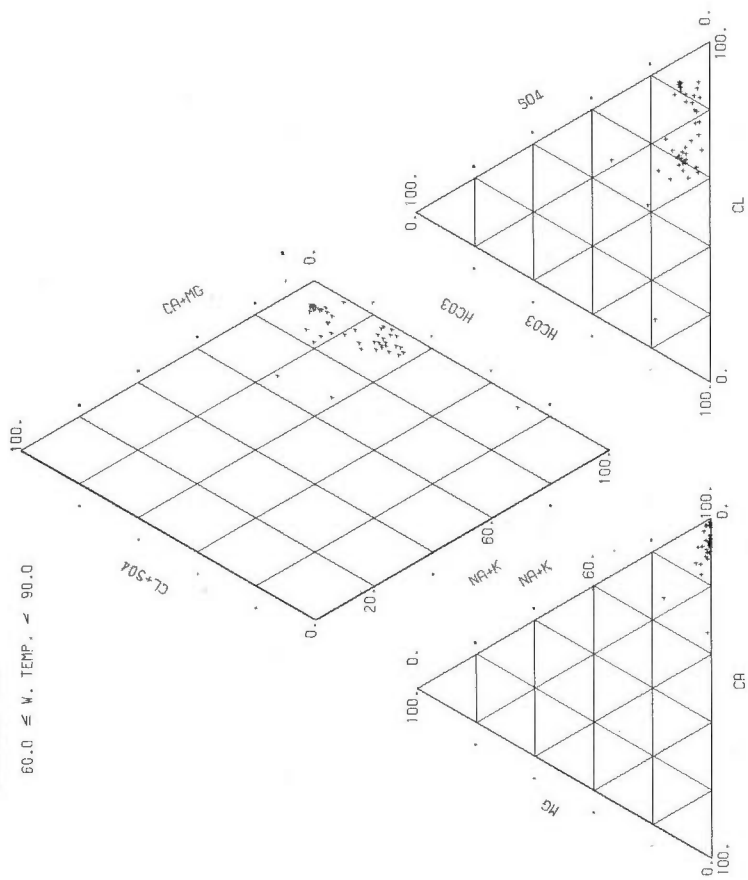


第44-6図 天ヶ瀬地域水質組成図(その4)(水温60℃以上90℃未満)

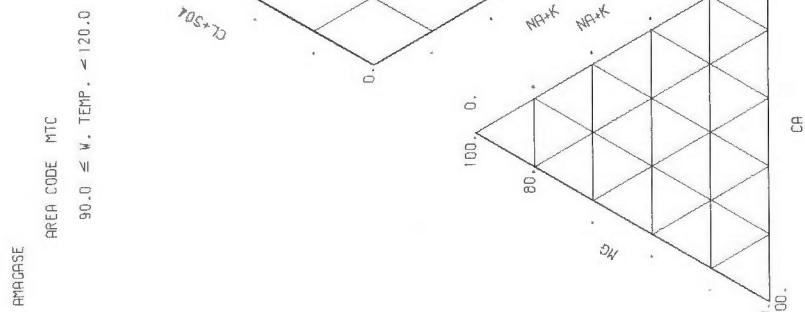
AREA CASE

AREA CODE MTC

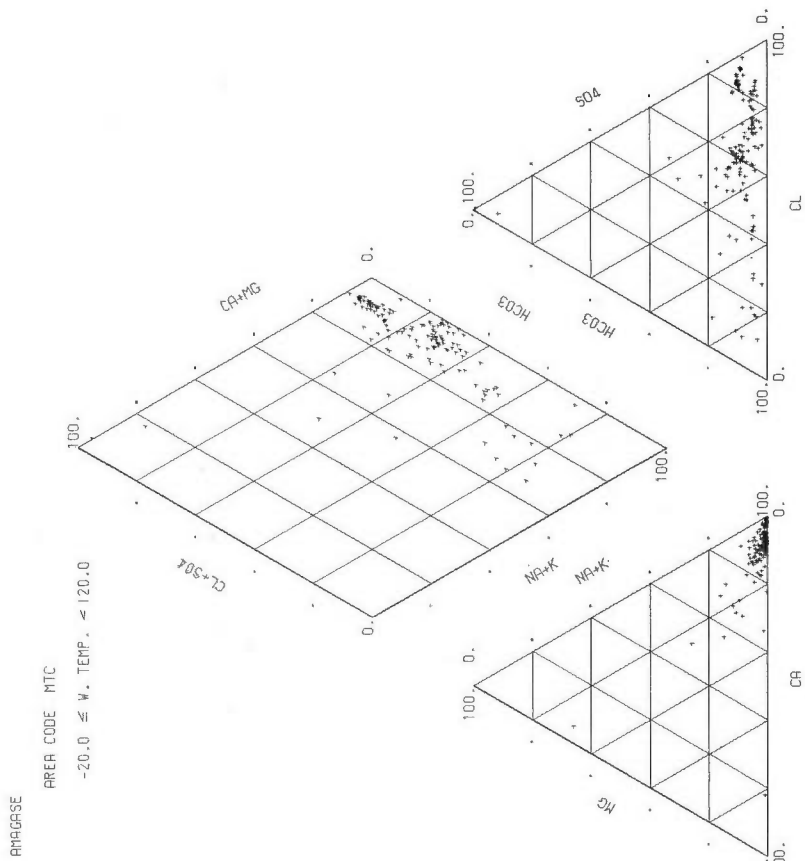
60.0 ≤ W. TEMP. < 90.0



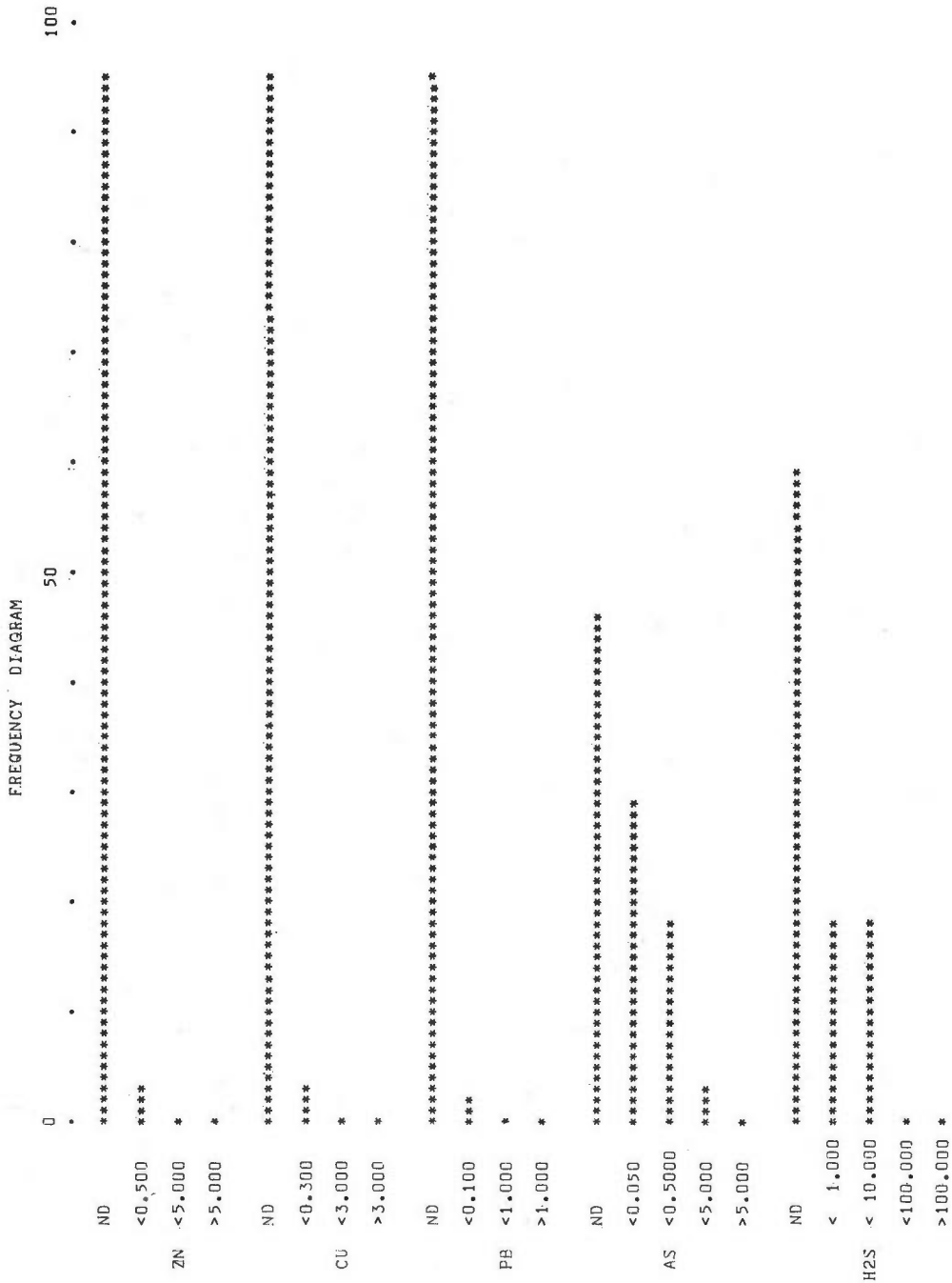
第44-6図 天ヶ瀬地域水質組成図(その5)(水温90℃以上120℃未満)



第44-6図 天ヶ瀬地域水質組成図(その6)(全試料)



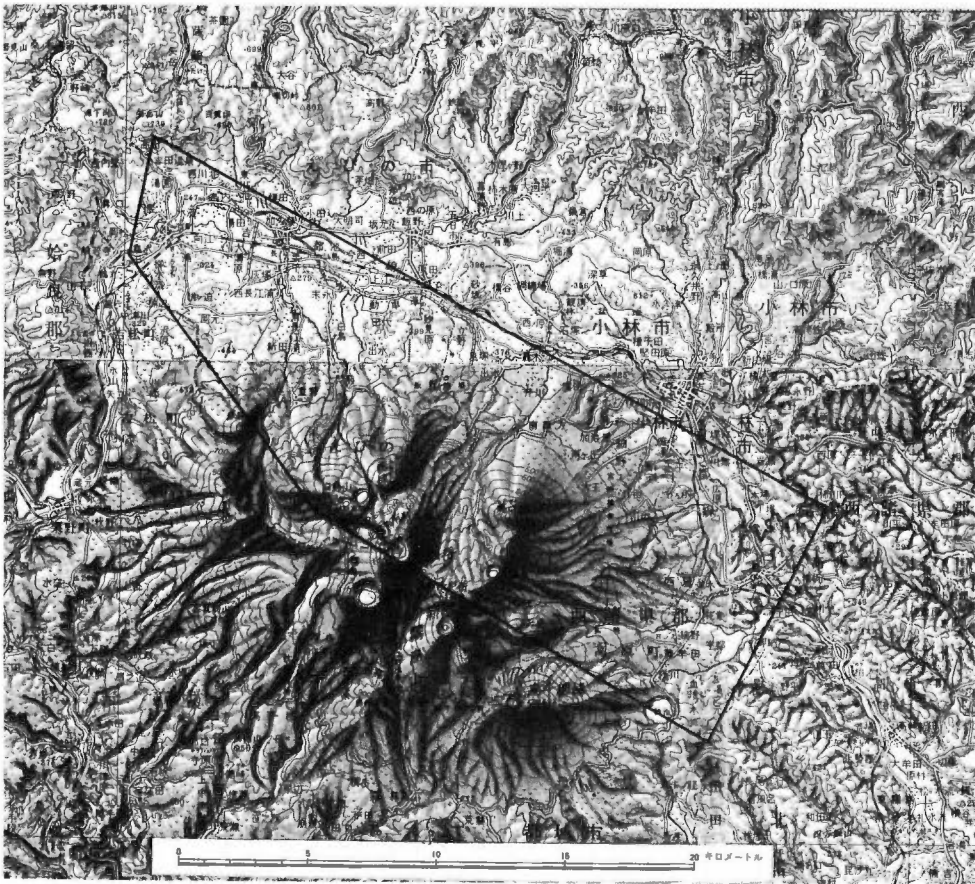
第44-7 図 天ヶ瀬地域特定成分含量の頻度分布図



45. 白鳥 Shiratori

位置	宮崎県小林市，同えびの市，同西諸県郡高原町
データ数	56
収集・整理	安藤 武・比留川 貴
協力	宮崎県環境保健部，同衛生研究所

調査位置図（この地図は、国土地理院発行の20万分の1地勢図「八代」、「鹿兒島」、「宮崎」を使用したものである）



第 45-1 表 白鳥地域試料一覽表

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
SRC-1	宮崎県えびの市向江605	京	町	真砂温泉1号	1951.11.20	17	宮衛研温 1	D=273m, Q=45.0l/m, F
"	"	"	"	黒松荘	1951.11.20	"	"	D=273m, Q=5.0l/m, F
"	"	"	"	松尾温泉	1951.11.20	"	"	D=236m, Q=4.7l/m, F
"	"	"	"	京町観光ホテル	1951.11.20	"	"	D=291m, Q=3.6l/m, F
"	"	"	"	春山旅館	1951.11.20	"	"	D=272m, Q=3.6l/m, F
"	"	"	"	真砂温泉2号	1953.2.2	"	"	D=346m, Q=47.0l/m, F
"	"	"	"	県営ホテル1号	1953.5.6	"	"	D=0m, Q=45.0l/m, F
"	"	"	"	橋瓜トメ	1953.7.9	"	"	D=490m, Q=12.0l/m, F
"	"	"	"	山鳥	1954.10.15	"	"	Q=23.4l/m
"	"	"	"	林野共済会	1955.2.26	"	"	Q=43.6l/m, F
"	"	"	"	玉泉館	(1955.3.17)	"	"	D=304m, Q=38.2l/m, F
"	"	"	"	原田温泉	(1956.1.20)	"	"	D=262m, Q=65.5l/m, P
"	"	"	"	月見温泉	(1956.1.8)	"	"	D=247m, Q=32.7l/m, F
"	"	"	"	観光温泉	1955.4.4	"	"	Q=450l/m
"	"	"	"	県営ホテル2号	1955.8.22	"	"	Q=400l/m
"	"	"	"	観光協会	1956.1.16	"	"	D=272m, P
"	"	"	"	黒松福子	1956.1.30	"	"	D=237m, Q=27.0l/m, F
"	"	"	"	本吉ミネ	1956.1.30	"	"	D=242m, Q=45.0l/m, F
"	"	"	"	山元栄一	(1957.7.9)	"	"	Q=54.0l/m
"	"	"	"	鹿の湯	(1957.7.9)	"	"	Q=40.0l/m
"	"	"	"	亀の湯	(1957.7.9)	"	"	P
"	"	"	"	岩崎清行	(1957.11.28)	"	"	D=164m, Q=45.5l/m, F
"	"	"	"	林野行共済	1958.7.30	"	"	Q=216l/m, F
"	"	"	"	永崎公	(1959.2.5)	"	"	Q=36.2l/m
"	"	"	"	湯之元温泉	1958.6.20	"	"	Q=45.0l/m, F
"	"	"	"	加藤ワカ	1958.7.28	"	"	Q=40.0l/m
"	"	"	"	宮崎交通	1959.6.23	"	"	Q=54.0l/m, F
"	"	"	"	山鹿温泉	1959.11.18	"	"	Q=30.0l/m, F
"	"	"	"	浜崎医院	1960.4.11	"	"	D=307m, Q=345m, F
"	"	"	"	月見温泉	1960.4.15	"	"	D=32m, Q=110l/m
"	"	"	"	亀の湯	1960.12.20	"	"	D=210m, Q=26.0l/m, F
"	"	"	"	湯の谷	1961.4.20	"	"	Q=86.4l/m
"	"	"	"	鹿の湯	1961.4.4	"	"	F
"	"	"	"	えびの露天風呂	1963.9.22	"	"	Q=120l/m
"	"	"	"	からくに荘	1963.11.5	"	"	Q=218l/m, F
"	"	"	"	湯浅弘	1964.7.2	"	"	"
"	"	"	"	高原事務所	1965.4.19	"	"	Q=139l/m, F
"	"	"	"	高原ホテル		"	"	"

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
SRC-38	宮崎県えびの市下水流1008	京町	ひさご	1965. 8. 19	17	宮衛研温53	D=250m, Q=46.0l/m, F	
"-39	" " " " " "	" "	大津末次郎	1965. 8. 28	"	"	D=360m, Q=15.9l/m, F	
"-40	" " " " " "	" "	渡辺医院	1966. 1. 13	"	"	D=251m, Q=31.0l/m, F	
"-41	" " " " " "	" "	藺田病院	1966. 8. 25	"	"	D=260m, Q=85.0l/m, F	
"-42	" " " " " "	" "	松尾旅館2号	1966. 9. 8	"	"	D=300m, Q=30.0l/m, F	
"-43	" " " " " "	" "	共立病院	1967. 4. 15	"	"	D=502m, Q=170l/m, F	
"-44	" " " " " "	" "	やたけ荘	1967. 7. 15	"	"	D=434m, Q=210l/m, F	
"-45	" " " " " "	" "	月見荘	1968. 1. 25	"	"	D=500m, Q=100l/m, F	
"-46	" " " " " "	" "	あけぼの荘	1968. 3. 9	"	"	D=315m, Q=56.0l/m, F	
"-47	" " " " " "	" "	国民宿舍	1968. 6. 4	"	"	●	
"-48	" " " " " "	えびの高原	西郷病院	1969. 5. 2	"	"	D=350m, Q=42.0l/m, F	
"-49	" " " " " "	京町	大王正定	1969. 2. 25	"	"	D=150m, Q=8.3l/m, F	
"-50	" " " " " "	蒲牟田	血捨の木温泉	1969. 8. 29	"	"	D=14m, P	
"-51	" " " " " "	京町	えびの荘	1969. 8. 1	"	"	D=362m, Q=47.0l/m, F	
"-52	" " " " " "	えびの高原	高原ホテル別館	1971. 5. 8	"	"	D=20m, P	
"-53	" " " " " "	" "	国民宿舍	1972. 5. 8	"	"	D=60m, Q=100l/m, ●	
"-54	" " " " " "	蒲牟田	血捨の木温泉	1972. 11. 14	"	"	D=305m, Q=2,000l/m, F	
"-55	" " " " " "	えびの高原	えびの高原荘	1973. 11. 19	"	"	D=41m, Q=40.0l/m, F	
"-56	" " " " " "	" "	高原ホテル	1974. 12. 3	"	"	F	

温泉名の()は文献41に記載されていないもの、依頼年月日の()は報告年月日、備考欄のDは深度(m)、Qは湧・揚水量(l/m)、Fは自噴、Pはポンプ揚水、●は噴気注水型温泉、D=0m……Fは自然湧出を示す。

第45-2表 白鳥地域水質一覽表

	SRC 1	SRC 2	SRC 3	SRC 4
NO	49.8	52.0	47.5	51.0
TEMP	322.000	404.500	334.200	335.500
TSM	7.50	7.45	7.45	7.20
PH(CFD)				
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	1.678	1.147	1.411	1.736
NA	40.091	48.910	40.916	45.105
NH4	0.051	0.026	0.077	0.077
CA	10.791	7.967	7.528	7.885
MG	0.612	0.551	0.407	0.675
FE	0.789	0.592	0.394	0.334
MN	0.006	0.004	0.006	0.001
ZN				
CU				
PB				
AL	0.642	0.792	0.272	0.407
CL				
BR	9.027	14.273	9.414	8.413
I				
F				
OH				
SO4	14.094	12.021	10.362	10.968
S2O3				
HCO3	117.882	124.568	109.232	125.391
C03				
SI02 (MG/KG) (MMOL/KG)				
H2O2	109.499	127.127	128.299	102.036
H3PO4				
HASO2	0.284	0.421	0.337	
C02				
H2S	7.920	9.000	7.000	9.200
RN (*F-10 CURIE/L)				
NA/K	4.250	4.460	4.020	4.600
CA/(HCO3+C03)	40.630	72.514	49.312	44.184
MG/CA	0.279	0.195	0.210	0.191
NA/CA	0.094	0.110	0.089	0.141
CL/(HCO3+C03)	3.239	5.352	4.738	4.987
CL/F	0.132	0.197	0.148	0.115
CL*100/(CL+S04+HCO3+C03)				
S04*100/(CL+S04+HCO3+C03)	10.267	14.943	11.691	9.415
(HCO3+C03)*100/(CL+S04+HCO3+C03)	11.831	9.288	9.497	9.059
(NA+K)*100/(NA+K+CA+MG)	77.901	75.769	78.812	81.527
CA*100/(NA+K+CA+MG)	75.215	83.017	81.612	81.720
MG*100/(NA+K+CA+MG)	22.666	15.301	16.882	16.025
(CL+S04)*100/(CL+S04+HCO3+C03)	2.120	1.682	1.503	2.256
(CL+S04)*100/(CL+S04+HCO3+C03)	22.099	24.231	21.188	18.473
(HCO3+C03)*100/(CL+S04+HCO3+C03)	77.901	75.769	78.812	81.527
(NA+K)*100/(NA+K+CA+MG)	75.215	83.017	81.612	81.720
(CA+MG)*100/(NA+K+CA+MG)	24.785	16.983	18.388	18.280

第45-2表 白鳥地域水質一覧表 (つづき)

	SRC 5	SRC 4	SRC 7	SRC 8
NO	43.8	50.2	61.0	
TEMP	314.600	320.000	1734.000	326.000
TSM	7.40	7.20	2.30	8.50
PH(FD)				
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	1.736	1.940	3.759	1.800
NA	43.035	48.086	5.272	0.135
NH4	0.064	0.080	46.379	83.794
CA	10.506	11.793	0.004	0.900
MG	0.500	2.535	86.765	1.144
FE	0.238	0.209	28.891	0.057
MN	0.001	0.320	24.151	0.415
ZN		0.380	2.300	0.080
CU				0.003
PB				
AL	0.503	3.822	107.899	1.907
CL	8.893	9.500	308.000	11.500
BR				0.324
I				
F				
OH				
SO4	14.666	19.011	586.419	0.990
S2O3			23.868	3.210
HC03	120.359	111.325		186.617
CO3				16.095
SI02 (MG/KG) (MMOL/KG)	107.896	115.610	107.040	108.610
HB02				1.808
H3PO4	0.933		5.380	
HSO2				
CO2	6.200	9.400		
H2S		2.060		
RN (*E-10 CURIE/L)	3.120	3.130	275.710	0.306
NA/K	42.156	42.151	14.960	79.164
CA/(HC03+CO3)	0.266	0.323		0.016
MG/CA	0.078	0.354	0.549	0.598
NA/CA	3.571	3.555	0.466	63.852
CL/(HC03+CO3)	0.127	0.147		0.090
CL/F				
CL*100/(CL+S04+HC03+CO3)	9.920	10.770		8.138
S04*100/(CL+S04+HC03+CO3)	12.074	15.906		1.677
(HC03+CO3)*100/(CL+S04+HC03+CO3)	78.006	73.324		90.185
(NA+K)*100/(NA+K+CA+MG)	77.219	72.874	24.295	97.588
CA*100/(NA+K+CA+MG)	21.124	20.027	48.870	1.509
MG*100/(NA+K+CA+MG)	1.658	7.099	26.835	0.903
(CL+S04)*100/(CL+S04+HC03+CO3)	21.994	26.676		9.815
(HC03+CO3)*100/(CL+S04+HC03+CO3)	78.006	73.324		90.185
(NA+K)*100/(NA+K+CA+MG)	77.219	72.874	24.295	97.588
(CA+MG)*100/(NA+K+CA+MG)	22.781	27.126	75.705	2.412

第45-2表 白鳥地域水質一覽表 (つづき)

NO	SRC 9	SRC 10	SRC 11	SRC 12
TEMP	45.0	46.2	53.0	45.7
TSM	465.400	320.000	395.000	342.000
PH(FD)	3.20	6.80	-	6.80
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)	0.131	0.130	2.884	0.074
K	1.955	0.050	52.891	2.253
NA	18.605	0.809	1.965	46.147
NH4	2.000	0.111	0.078	3.600
CA	11.886	0.593	1.930	8.434
MG	6.386	0.526	0.983	2.906
FE	13.994	0.501	0.400	0.728
MN	1.000	0.036	-	-
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	5.123	0.570	0.300	1.210
CL	11.000	0.310	11.500	11.000
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
SO4	126.441	2.633	19.917	15.802
S2O3	1.140	0.020	-	-
HCO3	-	-	110.168	145.357
CO3	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	200.818	3.344	154.722	130.781
HR02	-	-	-	-
H3PO4	-	-	-	-
HAS02	-	-	-	-
CO2	-	25.821	73.039	71.155
H2S	1.574	0.046	2.618	1.805
RN (*E-10 CURIE/L)	-	6.520	3.130	6.940
NA/K	16.183	30.269	31.187	34.831
CA/(HCO3+CO3)	-	0.295	0.053	0.171
MG/CA	0.886	0.220	0.840	0.568
NA/CA	1.365	3.880	23.890	4.770
CL/(HCO3+CO3)	-	0.128	0.174	0.127
CL/F	-	-	-	-
CL*100/(CL+SO4+HCO3+CO3)	-	10.094	12.731	10.262
SO4*100/(CL+SO4+HCO3+CO3)	-	13.399	16.306	10.890
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	-	76.507	70.963	78.848
(NA+K)*100/(NA+K+CA+MG)	43.445	76.664	93.056	75.780
CA*100/(NA+K+CA+MG)	29.986	19.125	3.774	15.444
MG*100/(NA+K+CA+MG)	26.568	4.211	3.170	8.776
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	-	22.999	28.377	20.756
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	-	77.001	71.623	79.244
(NA+K)*100/(NA+K+CA+MG)	43.445	76.664	93.056	75.780
(CA+MG)*100/(NA+K+CA+MG)	56.555	23.336	6.944	24.220

第45-2表 白鳥地域水質一覽表(つづき)

NO	SRC 13		SRC 14		SRC 15		SRC 16	
	TEMP	TSM	TEMP	TSM	TEMP	TSM	TEMP	TSM
PH(FD)	53.5	326.000	92.0	1941.000	87.0	98.000	50.0	407.000
PH(LB)	6.20	6.20	7.20	7.20	6.10	6.10	7.40	7.40
H (MG/KG)(MVAL/KG)								
K	1.588	0.041	5.474	0.140	0.176	0.005	1.673	0.043
NA	42.398	1.844	323.200	14.059	1.455	0.063	90.414	3.933
NH4	0.129	0.007	-	-	18.000	0.998	2.800	0.155
CA	8.576	0.428	78.760	3.930	4.002	0.200	4.930	0.246
MG	2.185	0.180	41.602	3.423	1.267	0.104	9.625	0.792
FE	0.410	0.015	0.420	0.015	0.699	0.025	0.280	0.010
MN	-	-	-	-	-	-	-	-
ZN	-	-	-	-	-	-	-	-
CU	-	-	-	-	-	-	-	-
PB	-	-	-	-	-	-	-	-
AL	0.530	0.059	10.476	1.165	1.111	0.124	0.318	0.035
CL	10.500	0.296	485.000	13.682	3.000	0.085	12.000	0.339
BR	-	-	-	-	-	-	-	-
I	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-
OH	-	-	-	-	-	-	-	-
S04	20.987	0.437	456.765	9.510	30.863	0.643	3.457	0.072
S203	-	-	-	-	-	-	-	-
HCO3	104.969	1.720	19.965	0.327	48.204	0.790	293.131	4.804
CO3	-	-	-	-	-	-	-	-
SI02 (MG/KG)(MMOL/KG)	151.714	2.526	353.432	5.885	28.503	0.475	94.408	1.572
HB02	-	-	15.190	0.347	-	-	-	-
H3PO4	-	-	-	-	-	-	-	-
HAS02	-	-	-	-	-	-	-	-
CO2	34.288	0.779	1.984	0.045	1.020	0.023	117.243	2.664
H2S	2.620	0.077	0.813	0.024	1.260	0.037	-	-
RN (*E-10 CURIE/L)	5.700	-	-	-	-	-	-	-
NA/K	45.403	100.405	14.059	91.903	14.059	0.051	3.220	15.987
CA/(HCO3+CO3)	0.249	12.205	0.522	0.317	0.522	0.107	0.070	-
MG/CA	0.420	0.871	3.577	0.107	0.317	0.107	-	-
NA/CA	4.310	39.905	58.192	5.578	42.350	1.380	6.491	1.380
CL/(HCO3+CO3)	0.166	1.361	40.447	52.072	52.072	92.128	79.296	15.797
CL/F	-	-	-	-	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	12.067	75.619	17.815	18.235	18.236	4.907	4.907	79.296
S04*100/(CL+S04+HCO3+CO3)	17.815	17.168	40.447	15.884	53.718	4.907	4.907	4.907
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	70.188	7.213	1.361	15.884	28.046	15.797	15.797	15.797
(NA+K)*100/(NA+K+CA+MG)	75.619	29.109	65.881	98.543	18.236	47.928	7.872	7.872
CA*100/(NA+K+CA+MG)	17.168	70.891	18.235	1.457	53.718	52.072	92.128	92.128
MG*100/(NA+K+CA+MG)	7.213	75.619	15.884	65.881	28.046	15.797	15.797	15.797
(CL+S04)*100/(CL+S04+HCO3+CO3)	29.109	75.619	98.543	79.296	47.928	7.872	7.872	7.872
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	70.891	24.381	1.457	65.881	52.072	92.128	92.128	92.128
(NA+K)*100/(NA+K+CA+MG)	75.619	75.619	65.881	79.296	18.236	4.907	4.907	4.907
(CA+MG)*100/(NA+K+CA+MG)	24.381	24.381	15.884	81.764	28.046	15.797	15.797	15.797

第45-2表 白鳥地域水質一覧表 (つづき)

	SRC 17	SRC 18	SRC 19	SRC 20
NO	47.0	47.5	42.5	48.0
TEMP	381.000	379.000	3825.000	3887.000
TSM	7.60	8.20	6.70	7.60
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	1.603	1.901	50.249	13.730
NA	50.826	57.868	877.416	1023.997
NH4	0.090	1.600	5.343	0.296
CA	7.576	2.859	155.900	179.390
MG	1.267	0.918	34.567	28.624
FE	0.040	0.020	1.110	2.693
MN	-	-	0.361	0.013
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.372	0.408	3.431	2.949
CL	10.000	10.000	538.000	646.000
BR	-	-	-	-
I	-	-	-	-
F	-	3.027	-	-
OH	-	15.802	565.195	677.946
SO4	20.410	0.425	0.329	14.115
S2O3	-	-	-	-
HC03	124.843	2.046	1.279	1716.436
CO3	-	12.422	1533.687	28.132
SI02 (MG/KG) (MMOL/KG)	123.811	198.812	50.605	67.606
HBO2	-	-	0.031	0.039
H3PO4	-	-	0.644	0.019
HASO2	-	-	-	-
CO2	10.254	0.233	262.000	539.387
H2S	-	2.449	-	3.204
RN (*E-10 CURIE/L)	-	2.900	-	-
NA/K	53.919	51.766	29.694	126.829
CA/(HC03+CO3)	0.185	0.084	0.309	0.318
MG/CA	0.276	0.530	0.366	0.263
NA/CA	5.848	17.645	4.906	4.976
CL/(HC03+CO3)	0.138	0.167	0.604	0.648
CL/F	-	-	-	-
CL*100/(CL+SO4+HC03+CO3)	10.246	12.243	29.141	30.136
SO*100/(CL+SO4+HC03+CO3)	15.434	14.278	22.594	23.342
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	74.320	73.479	48.265	46.522
(NA+K)*100/(NA+K+CA+MG)	82.361	92.162	78.785	79.881
CA*100/(NA+K+CA+MG)	13.826	5.124	15.535	15.927
MG*100/(NA+K+CA+MG)	3.813	2.713	5.680	4.191
(CL+SO4)*100/(CL+SO4+HC03+CO3)	25.680	26.521	51.735	53.478
(HC03+CO3)*100/(CL+SO4+HC03+CO3)	74.320	73.479	48.265	46.522
(NA+K)*100/(NA+K+CA+MG)	82.361	92.162	78.785	79.881
(CA+MG)*100/(NA+K+CA+MG)	17.639	7.838	21.215	20.119

第45-2表 白鳥地域水質一覽表 (つづき)

	SRC 21	SRC 22	SRC 23	SRC 24
NO	42.5	41.0	50.0	21.5
TEMP	445.000	7.60	426.000	1390.500
TSM	7.30	-	7.30	5.40
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	2.040	1.219	0.962	4.314
NA	53.415	26.699	36.480	140.154
NH4	0.013	0.026	0.001	0.400
CA	21.655	4.431	18.010	44.143
MG	10.985	2.775	6.948	39.327
FE	0.320	0.200	0.150	55.847
MN	-	-	-	-
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	1.767	10.642	4.437	25.449
CL	20.500	7.000	10.000	19.500
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	36.212	14.485	12.016	12.579
S203	-	-	-	-
HC03	193.671	139.963	197.790	915.249
CO3	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	117.911	1.963	75.407	29.463
HR02	-	-	-	-
H3PO4	-	-	-	-
HAS02	-	-	-	-
CO2	11.443	2.104	225.177	1732.400
H2S	1.635	1.445	6.909	39.360
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	44.527	37.246	64.486	55.248
CA/(HC03+CO3)	0.340	0.096	0.277	0.148
MG/CA	0.637	1.033	0.636	1.469
NA/CA	2.150	5.253	1.768	2.768
CL/(HC03+CO3)	0.182	0.086	0.087	0.037
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+CO3)	12.833	7.070	7.475	3.478
S04*100/(CL+S04+HC03+CO3)	16.730	10.797	6.629	1.657
(HC03+CO3)*100/(CL+S04+HC03+CO3)	70.437	82.132	85.897	94.865
(NA+K)*100/(NA+K+CA+MG)	54.486	72.628	52.288	53.298
CA*100/(NA+K+CA+MG)	24.782	13.465	29.160	18.914
MG*100/(NA+K+CA+MG)	20.732	13.907	18.552	27.788
(CL+S04)*100/(CL+S04+HC03+CO3)	29.563	17.868	14.103	5.135
(HC03+CO3)*100/(CL+S04+HC03+CO3)	70.437	82.132	85.897	94.865
(NA+K)*100/(NA+K+CA+MG)	54.486	72.628	52.288	53.298
(CA+MG)*100/(NA+K+CA+MG)	45.514	27.372	47.712	46.702

第45-2表 白鳥地域水質一覽表 (つづき)

	SRC 25	SRC 26	SRC 27	SRC 28
NO	20.3	85.0	47.0	50.0
TEMP	1069.000	96.000	285.000	709.400
TSM	6.40	5.30	7.70	6.90
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	2.859	0.899	1.352	14.000
NA	3.085	5.150	28.261	48.230
NH4	-	0.700	1.040	2.060
CA	71.072	9.850	4.805	27.730
MG	64.637	5.319	7.053	1.384
FE	12.000	2.964	0.580	0.940
MN	2.978	0.700	0.180	13.600
ZN	-	-	-	0.400
CU	-	-	-	-
PB	-	-	-	-
AL	52.936	0.060	1.111	8.130
CL	98.000	3.500	9.000	53.250
BR	-	-	-	-
I	-	-	-	-
F	-	-	-	-
OH	-	-	-	-
S04	137.029	23.520	19.338	68.350
S203	-	-	-	-
HCO3	602.825	18.910	96.264	204.290
CO3	-	-	-	-
SI02 (MG/KG) (MMOL/KG)	71.642	28.003	92.517	157.014
HR02	-	-	-	7.100
H3PO4	-	-	-	0.725
HAS02	-	-	-	-
CO2	30.134	7.040	14.867	560.730
H2S	-	9.905	1.696	4.430
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	1.835	9.742	35.547	5.858
CA/(HCO3+CO3)	0.359	1.586	0.152	0.413
MG/CA	1.500	0.496	2.421	0.679
NA/CA	0.038	0.456	5.127	1.516
CL/(HCO3+CO3)	0.280	0.319	0.161	0.449
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	17.839	10.991	11.363	23.945
S04*100/(CL+S04+HCO3+CO3)	18.409	54.509	18.020	22.683
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	63.753	34.500	70.617	53.372
(NA+K)*100/(NA+K+CA+MG)	2.285	25.144	60.647	51.388
CA*100/(NA+K+CA+MG)	39.089	50.030	11.505	28.951
MG*100/(NA+K+CA+MG)	58.626	24.827	27.849	19.662
(CL+S04)*100/(CL+S04+HCO3+CO3)	36.247	65.500	29.383	46.628
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	63.753	34.500	70.617	53.372
(NA+K)*100/(NA+K+CA+MG)	2.285	25.144	60.647	51.388
(CA+MG)*100/(NA+K+CA+MG)	97.715	74.856	39.353	48.612

第45-2表 白鳥地域水質一覽表 (つづき)

	SRC 33	SRC 34	SRC 35	SRC 36
NO				
TEMP	42.3	49.3	28.5	51.8
TSM	4833.000	5404.000	16221.000	55.000
PH(FD)	1.60	2.00	6.50	4.30
PH(LB)				
H (MG/KG) (MVAL/KG)				
K	25.200	10.080	41.500	0.050
K	56.440	33.200	233.200	1.998
NA	85.330	75.800	0.510	4.497
NH4	1.400	0.340	0.019	
CA	28.370	1.416	132.930	3.497
MG	8.960	64.240	147.490	6.096
FE	77.070	2.760	0.060	0.502
MN	5.000	0.182	3.000	0.089
ZN				0.003
CU				
PB				
AL	412.630	237.970	7.910	
CL	1766.820	658.650	142.710	10.270
BR				
I				
F				
OH				
SO4	2334.828	1384.310	174.080	14.408
S2O3				
HC03	1.858	2464.662	43.965	
CO3			1422.970	23.322
SI02 (MG/KG) (MMOL/KG)				
H002	51.389	218.289	87.509	5.996
H3PO4	0.043	3.590	31.853	0.727
HAS02		1.126	0.931	0.010
CO2	0.072	0.001		
H2S	0.770	0.023	332.220	7.548
RN (*E-10 CURIE/L)				0.034
NA/K	2.571	3.883	9.556	3.828
CA/(HC03+CO3)			0.284	
MG/CA	0.521	0.727	1.830	2.875
NA/CA	2.622	0.453	1.529	1.121
CL/(HC03+CO3)			0.173	
CL/F				
CL*100/(CL+SO4+HC03+CO3)			12.998	
SO4*100/(CL+SO4+HC03+CO3)			11.702	
(HC03+CO3)*100/(CL+SO4+HC03+CO3)			75.300	
(NA+K)*100/(NA+K+CA+MG)	70.542	24.817	37.383	26.735
CA*100/(NA+K+CA+MG)	19.370	43.544	22.128	18.908
MG*100/(NA+K+CA+MG)	10.088	31.639	40.489	54.337
(CL+SO4)*100/(CL+SO4+HC03+CO3)			24.700	
(HC03+CO3)*100/(CL+SO4+HC03+CO3)			75.300	
(NA+K)*100/(NA+K+CA+MG)	70.542	24.817	37.383	26.735
(CA+MG)*100/(NA+K+CA+MG)	29.458	75.183	62.617	73.265

第45-2表 白鳥地域水質一覽表 (つづき)

	SRC 41	SRC 42	SRC 43	SRC 44
NO	57.0	49.5	65.8	68.0
TEMP	396.400	317.800	355.000	6354.000
PH(F/D)	7.50	7.80	7.80	7.38
PH(LB)				
H (MG/KG)(MVAL/KG)				
K	6.507	4.806	76.870	123.600
NA	78.490	56.470	1058.000	1226.000
NH4	0.901	0.851	0.167	3.210
CA	14.500	4.886	85.570	281.700
MG	3.212	1.264	55.440	187.400
FE	0.801	0.160	0.599	3.281
MN	0.040	0.080	0.003	0.150
ZN				
CU				
PB				
AL	0.010	0.030	2.399	2.695
CL	15.920	6.156	430.100	713.700
BR	0.133	0.050	0.272	0.040
I			0.267	0.406
F				
OH				
S04	18.950	4.945	1011.000	1440.000
S203				
HCO3	204.500	145.100	1443.000	2189.000
CO3	0.360	0.410	0.598	1.680
SI02 (MG/KG)(MMOL/KG)				
HB02	113.500	129.633	72.254	35.295
H3PO4	1.420	0.684	74.285	113.078
HAS02	0.704	0.705	0.205	0.461
CO2	15.730	5.580	1.346	1.705
H2S	0.794	0.556	55.540	5.024
			0.392	
RN (*E-10 CURIE/L)				
NA/K	20.513	19.981	23.408	16.549
CA/(HCO3+CO3)	0.215	0.102	0.180	0.391
MG/CA	0.365	0.427	1.068	1.097
NA/CA	4.719	10.075	10.778	3.723
CL/(HCO3+CO3)	0.134	0.073	0.513	0.560
CL/F				
CL*100/(CL+S04+HCO3+CO3)	10.674	6.508	21.341	23.397
S04*100/(CL+S04+HCO3+CO3)	9.377	3.858	37.024	34.843
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	79.949	89.634	41.635	41.760
(NA+K)*100/(NA+K+CA+MG)	78.377	88.113	84.456	65.710
CA*100/(NA+K+CA+MG)	15.837	8.329	7.515	16.551
MG*100/(NA+K+CA+MG)	5.785	3.559	8.029	17.958
(CL+S04)*100/(CL+S04+HCO3+CO3)	20.051	10.366	58.365	58.240
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	79.949	89.634	41.635	41.760
(NA+K)*100/(NA+K+CA+MG)	78.377	88.113	84.456	65.710
(CA+MG)*100/(NA+K+CA+MG)	21.623	11.887	15.544	34.290

第45-2表 白鳥地域水質一覽表 (つづき)

	SRC 45	SRC 46	SRC 47	SRC 48
NO	73.0	57.0	70.0	47.9
TEMP	6272.000	375.500	1387.000	348.400
TSM	7.34	7.44	5.67	7.40
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	96.700	6.009	91.070	7.350
NA	1465.000	72.610	170.100	66.090
NH4	0.085	0.005	0.387	0.022
CA	209.800	10.469	104.100	5.367
MG	158.400	13.035	33.560	1.800
FE	1.974	0.071	9.322	0.200
MN	1.097	0.040	4.374	0.200
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.827	2.799	0.292	0.060
CL	698.500	19.705	547.500	8.141
BR	0.336	0.004	0.328	0.004
I	0.419	0.003	-	0.089
F	-	-	-	-
OH	-	-	-	-
SO4	1469.000	30.585	76.770	12.110
S2O3	2102.000	34.452	14.310	0.252
CO3	2.580	0.086	24.170	175.500
SI02 (MG/KG) (MMOL/KG)	46.264	117.595	75.470	52.470
HBO2	3.397	2.840	212.744	1.776
H3PO4	0.343	0.004	-	1.126
HASO2	2.082	0.019	0.006	0.005
CO2	232.500	18.850	127.900	16.880
H2S	-	0.887	3.889	0.487
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	25.757	20.549	3.176	15.291
CA/(HC03+C03)	0.303	0.114	13.113	0.093
MG/CA	1.245	0.486	0.532	0.553
NA/CA	6.087	7.980	1.424	10.735
CL/(HC03+C03)	0.571	0.136	38.988	0.080
CL/F	-	-	-	-
CL*100/(CL+S04+HC03+C03)	23.229	10.943	88.563	6.849
S04*100/(CL+S04+HC03+C03)	36.055	8.424	9.165	7.504
(HC03+C03)*100/(CL+S04+HC03+C03)	40.716	80.633	2.272	85.646
(NA+K)*100/(NA+K+CA+MG)	73.798	84.923	55.012	88.044
CA*100/(NA+K+CA+MG)	11.671	10.148	29.373	7.698
MG*100/(NA+K+CA+MG)	14.531	4.929	15.616	4.258
(CL+S04)*100/(CL+S04+HC03+C03)	59.284	19.367	97.728	14.354
(HC03+C03)*100/(CL+S04+HC03+C03)	40.716	80.633	2.272	85.646
(NA+K)*100/(NA+K+CA+MG)	73.798	84.923	55.012	88.044
(CA+MG)*100/(NA+K+CA+MG)	26.202	15.077	44.988	11.956

第45-2表 白鳥地域水質一覽表(つづき)

	SRC 49	SRC 50	SRC 51	SRC 52
NO	50.0	20.8	43.5	70.0
TEMP	981.800	1025.000	449.900	1474.000
TSM	7.80	5.61	8.12	7.50
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG) (MVAL/KG)				
K	14.770	8.360	5.138	67.550
NA	178.300	54.070	76.120	99.570
NH4	25.790	0.774	2.581	1.604
CA	2.803	80.900	4.037	170.300
MG	3.874	32.360	3.045	43.190
FE	0.480	67.320	2.173	0.233
MN	-	0.373	0.723	0.100
ZN	-	-	-	-
CU	-	-	-	-
PB	-	-	-	-
AL	0.034	2.691	0.057	0.082
CL	14.080	8.451	10.570	94.210
BR	0.216	-	-	0.040
I	0.102	-	-	-
F	-	-	-	-
OH	-	-	0.024	0.001
SO4	0.168	0.987	7.584	355.800
S2O3	-	-	209.900	414.800
HCO3	531.600	644.500	1.614	0.774
CO3	1.962	-	98.910	172.558
STO2 (MG/KG) (MMOL/KG)	154.995	93.553	1.588	1.054
HB02	-	2.660	0.061	0.461
H3PO4	4.753	-	0.934	0.010
HASO2	1.380	0.009	0.047	0.000
CO2	20.450	1355.000	3.864	0.030
H2S	0.108	-	0.988	31.910
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	20.529	10.999	25.194	2.507
CA/(HCO3+CO3)	0.016	0.382	0.044	1.245
MG/CA	2.279	0.660	1.178	0.418
NA/CA	55.452	0.583	21.783	0.510
CL/(HCO3+CO3)	0.045	0.023	0.085	0.389
CL/F	-	-	-	-
CL*100/(CL+S04+HCO3+CO3)	4.327	2.203	7.544	15.739
S04*100/(CL+S04+HCO3+CO3)	0.038	0.190	4.000	43.846
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	95.635	97.607	88.456	40.415
(NA+K)*100/(NA+K+CA+MG)	94.662	27.692	91.227	33.455
CA*100/(NA+K+CA+MG)	1.628	43.568	4.029	46.921
MG*100/(NA+K+CA+MG)	3.710	28.739	4.744	19.624
(CL+S04)*100/(CL+S04+HCO3+CO3)	4.365	2.393	11.544	59.585
(HCO3+CO3)*100/(CL+S04+HCO3+CO3)	95.635	97.607	88.456	40.415
(NA+K)*100/(NA+K+CA+MG)	94.662	27.692	91.227	33.455
(CA+MG)*100/(NA+K+CA+MG)	5.338	72.308	8.773	66.545

第45-2表 白鳥地域水質一覽表 (つづき)

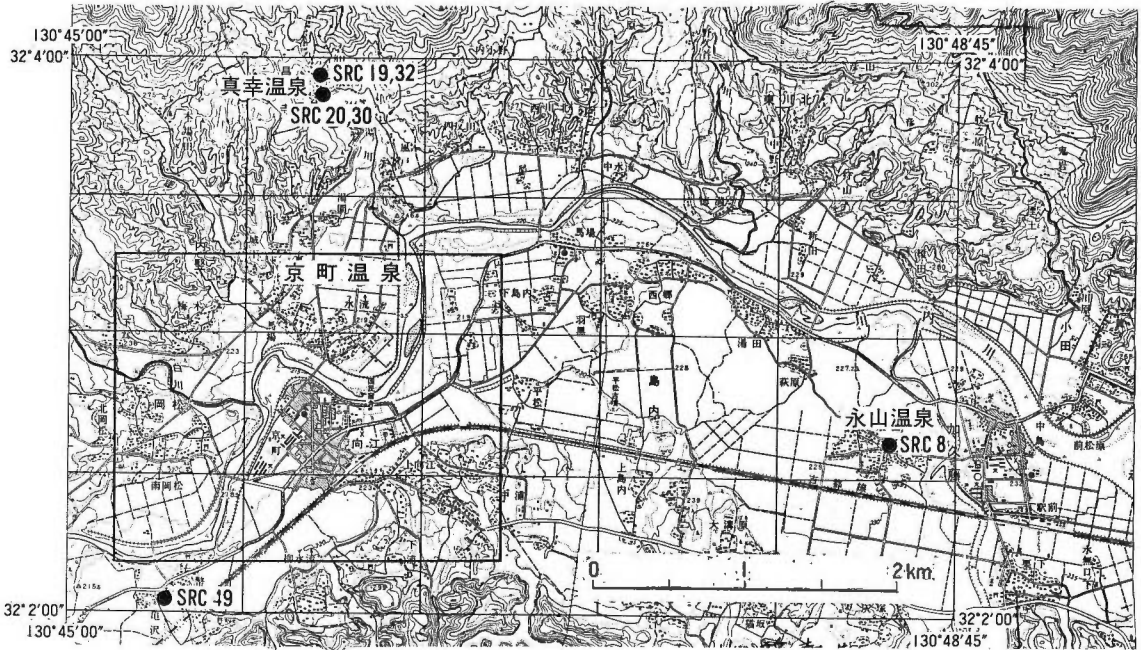
	SRC 53	SRC 54	SRC 55	SRC 56
NO	52.7	29.2	98.0	43.4
TEMP	369.100	4591.000	4520.000	2077.000
TSM	4.20	6.70	5.60	1.90
PH(FD)	-	-	-	-
PH(LB)	-	-	-	-
H (MG/KG)(MVAL/KG)				
K	23.890	0.611	248.500	13.100
NA	44.070	1.917	434.100	18.720
NH4	0.593	0.033	3.856	64.800
CA	33.650	1.679	526.900	0.017
MG	12.070	0.993	237.200	99.770
FE	1.406	0.050	5.630	4.979
MN	2.005	0.075	21.440	58.520
ZN	-	-	0.006	31.300
CU	-	-	0.000	0.202
PB	-	-	0.292	0.780
AL	1.437	0.160	0.032	0.357
CL	141.300	3.986	1984.000	18.883
BR	0.152	0.002	7.416	0.017
I	-	-	-	26.292
F	-	-	-	19.519
OH	-	-	-	0.202
SO4	79.323	1.652	624.548	4.816
S2O3	1.056	0.017	13.580	1.121
HC03	-	-	0.223	0.013
CO3	-	-	-	-
ST02 (MG/KG)(MMOL/KG)	21.433	0.357	287.180	4.402
HR02	-	-	42.439	0.968
H3PO4	0.177	0.002	0.108	0.001
HAS02	0.009	0.000	0.007	0.000
CO2	162.300	3.687	81.550	0.009
H2S	5.596	1.684	0.444	0.0
RN (*E-10 CURIE/L)	-	-	-	-
NA/K	3.137	36.473	2.971	5.887
CA/(HCO3+CO3)	97.016	0.196	118.127	-
MG/CA	0.592	1.945	0.742	0.967
NA/CA	1.142	3.133	0.718	0.566
CL/(HC03+CO3)	230.304	0.024	250.946	-
CL/F	-	-	-	-
CL*100/(CL+SO4+HCO3+CO3)	70.489	2.352	80.884	-
SO4*100/(CL+SO4+HCO3+CO3)	29.205	0.103	18.794	-
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	0.306	97.545	0.322	-
(NA+K)*100/(NA+K+CA+MG)	48.613	52.226	35.524	25.189
CA*100/(NA+K+CA+MG)	32.288	16.223	37.005	38.028
MG*100/(NA+K+CA+MG)	19.099	31.550	27.472	36.783
(CL+SO4)*100/(CL+SO4+HCO3+CO3)	99.694	2.455	99.678	-
(HCO3+CO3)*100/(CL+SO4+HCO3+CO3)	0.306	97.545	0.322	-
(NA+K)*100/(NA+K+CA+MG)	48.613	52.226	35.524	25.189
(CA+MG)*100/(NA+K+CA+MG)	51.387	47.774	64.476	74.811

第 45-3 表 白鳥地域特定成分含量の頻度分布表

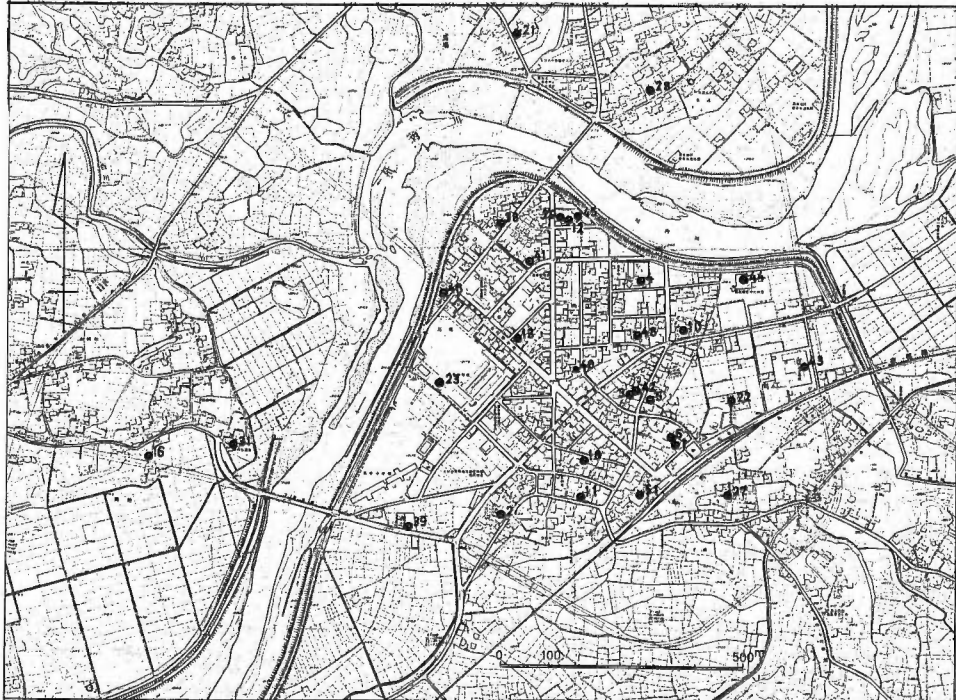
FREQUENCY DATA OF ZN , CU , PB , AS AND H2S

ZN		CU		PB		AS		H2S			
Category	N	F(%)	Category	N	F(%)	Category	N	F(%)	Category	N	F(%)
ND	56	100.0	ND	55	98.2	ND	39	69.6	< 1.000	14	25.0
<0.500	0	0.0	<0.300	1	1.8	<0.100	0	0.0	< 10.000	18	32.1
<5.000	0	0.0	<3.000	0	0.0	<1.000	0	0.0	< 100.000	22	39.3
>5.000	0	0.0	>3.000	0	0.0	>1.000	0	0.0	<100.000	1	1.8
TOTAL	56	100.0	TOTAL	56	100.0	TOTAL	56	100.0	>100.000	1	1.8
									TOTAL	56	100.0

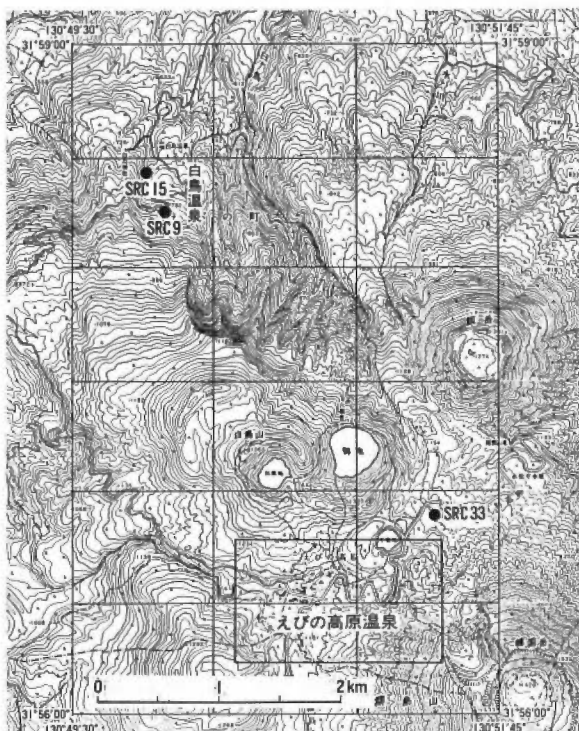
第45-1図 白鳥地域北西部の温泉分布及び試料採取地
 (この地図は、国土地理院発行の2万5千分の1地形図「加久藤」を使用したものである。)



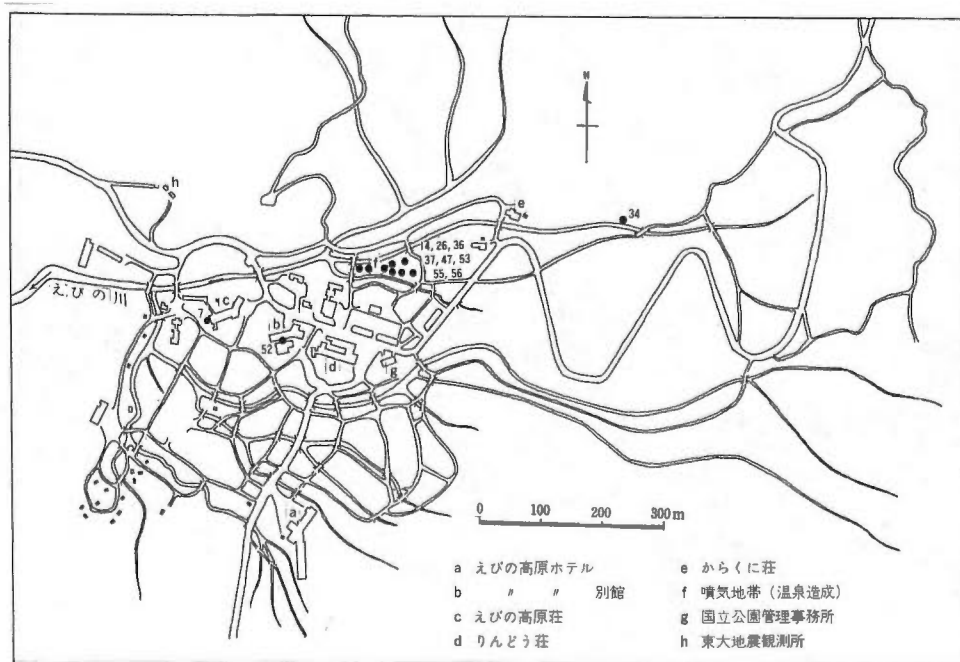
第45-2図 試料採取地(京町温泉)



第 45-3 図 白鳥地域中央部の温泉分布及び試料採取地
 (この地図は、国土地理院発行の2万5千分の1地形図「韓国岳」を使用したものである。)

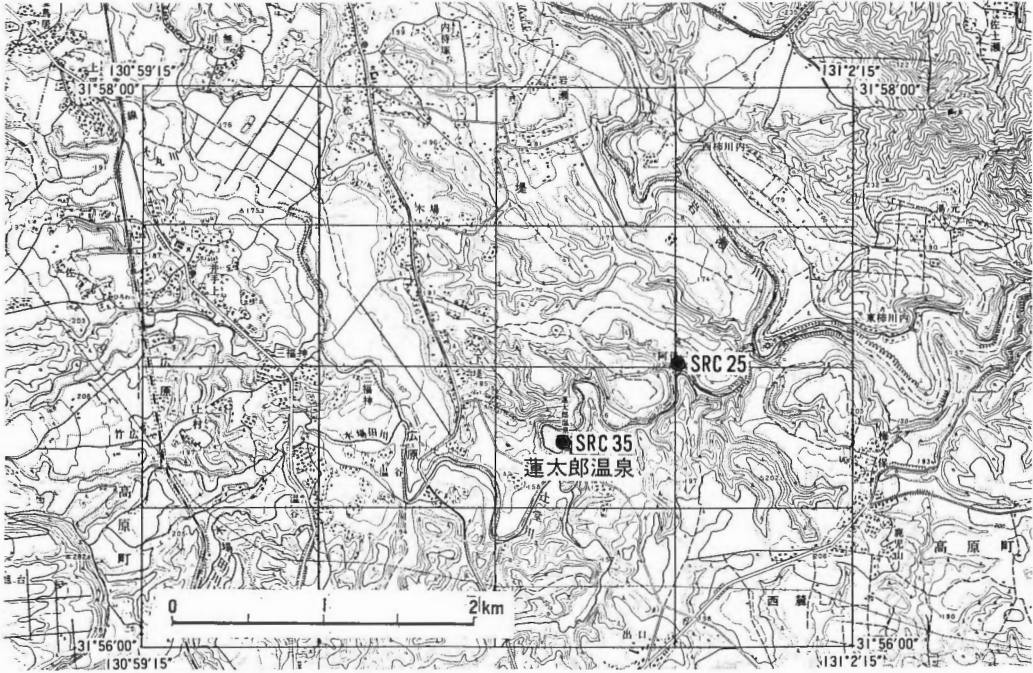


第 45-4 図 試料採取地 (えびの高原温泉)



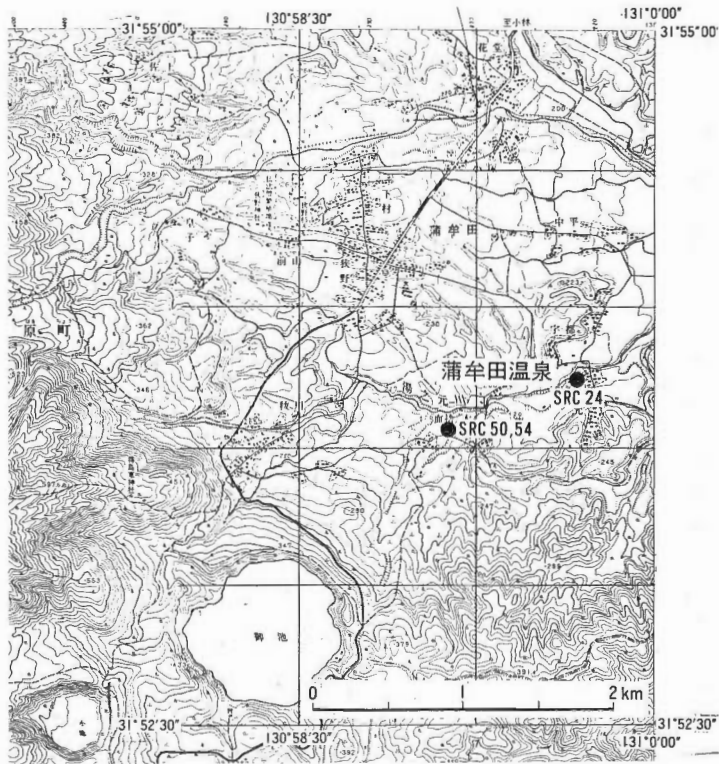
第 45-5 図 試料採取地 (阿母ヶ平, 蓮太郎温泉)

(この地図は、国土地理院発行の2万5千分の1地形図「日向小林」,「高原」を使用したものである。)



第 45-6 図 試料採取地 (蒲牟田温泉)

(この地図は、国土地理院発行の2万5千分の1地形図「高千穂峰」を使用したものである。)

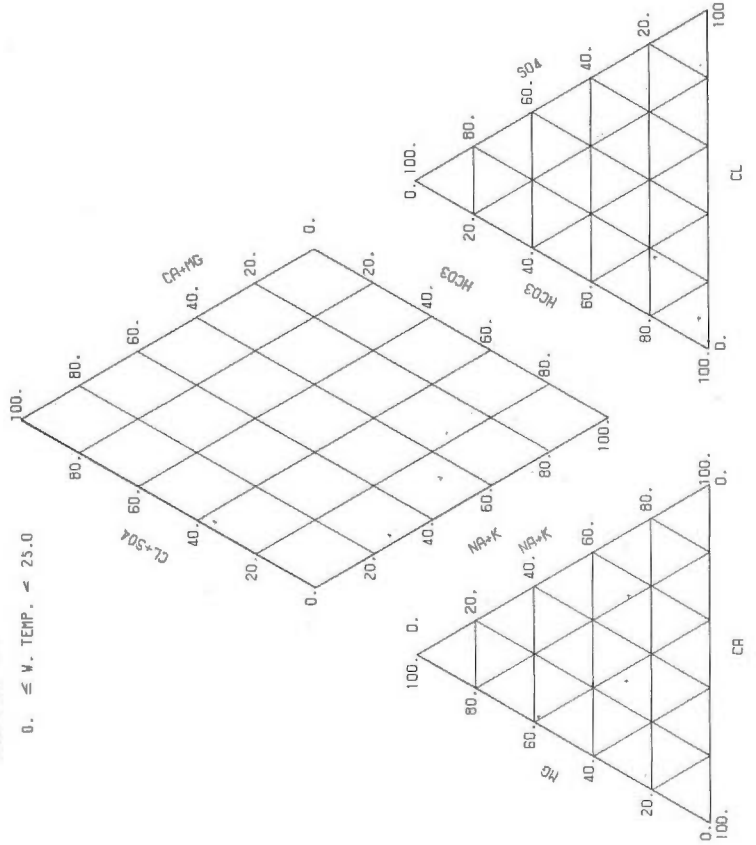


第 45-7 図 白鳥地域水質組成図 (その 1) (水温25℃未満)

SHIRATORI

AREA CODE SRC

0. ≦ W. TEMP. < 25.0

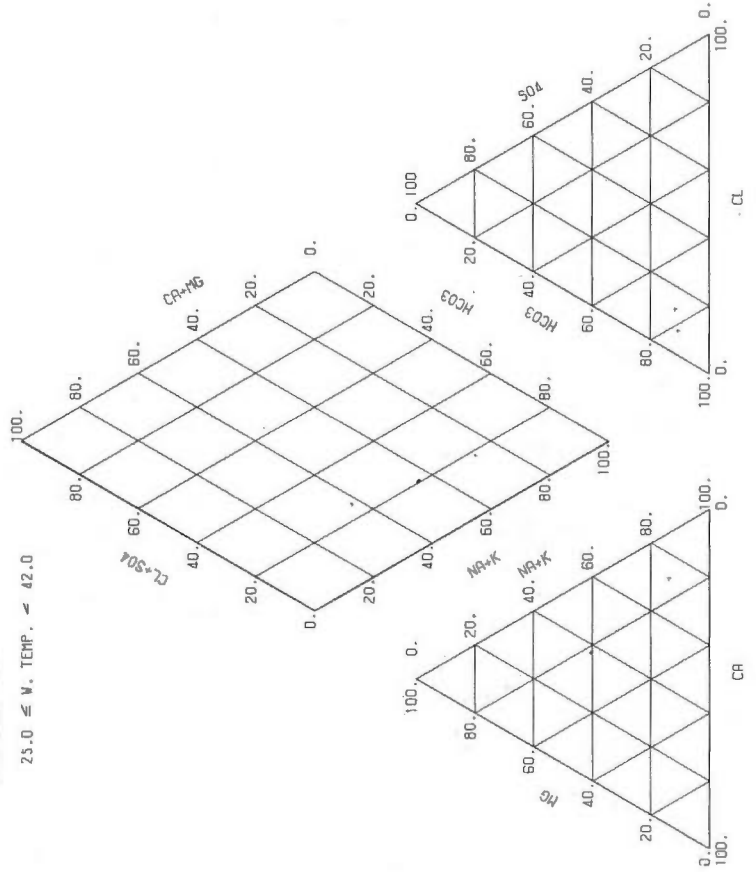


第 45-7 図 白鳥地域水質組成図 (その 2) (水温25℃以上42℃未満)

SHIRATORI

AREA CODE SRC

25.0 ≦ W. TEMP. < 42.0

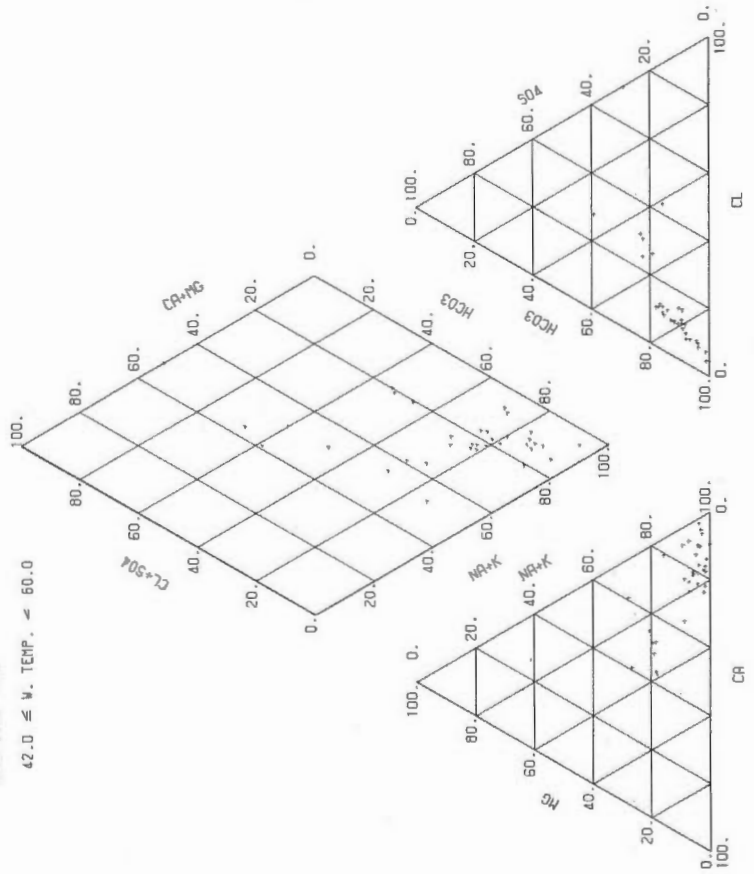


第45-7図 白鳥地域水質組成図 (その3) (水温42℃以上60℃未満)

SHIRATORI

AREA CODE SRC

42.0 ≤ W. TEMP. < 60.0

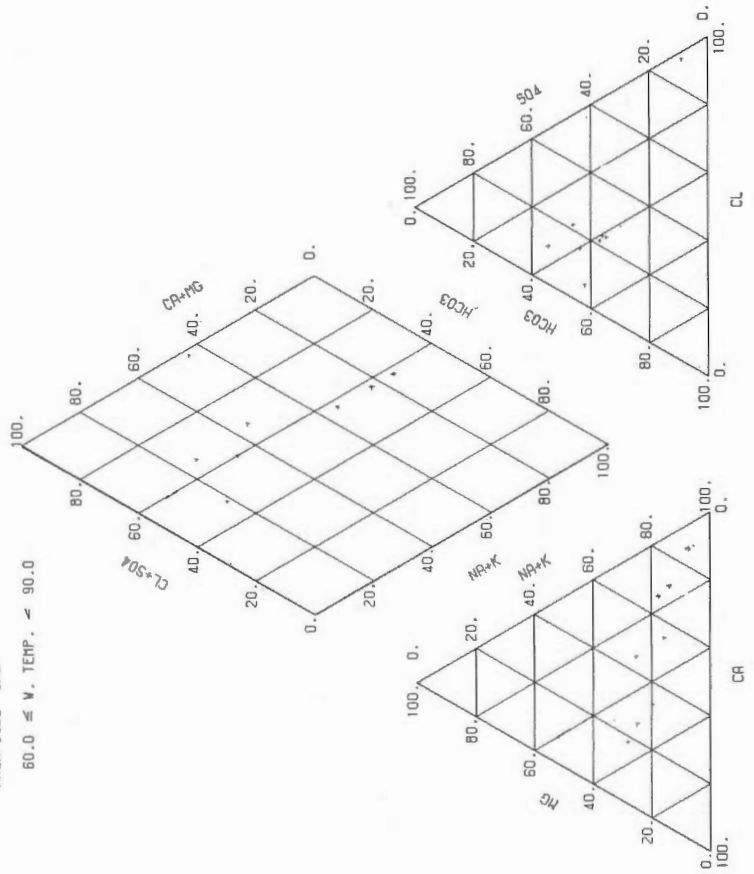


第45-7図 白鳥地域水質組成図 (その4) (水温60℃以上90℃未満)

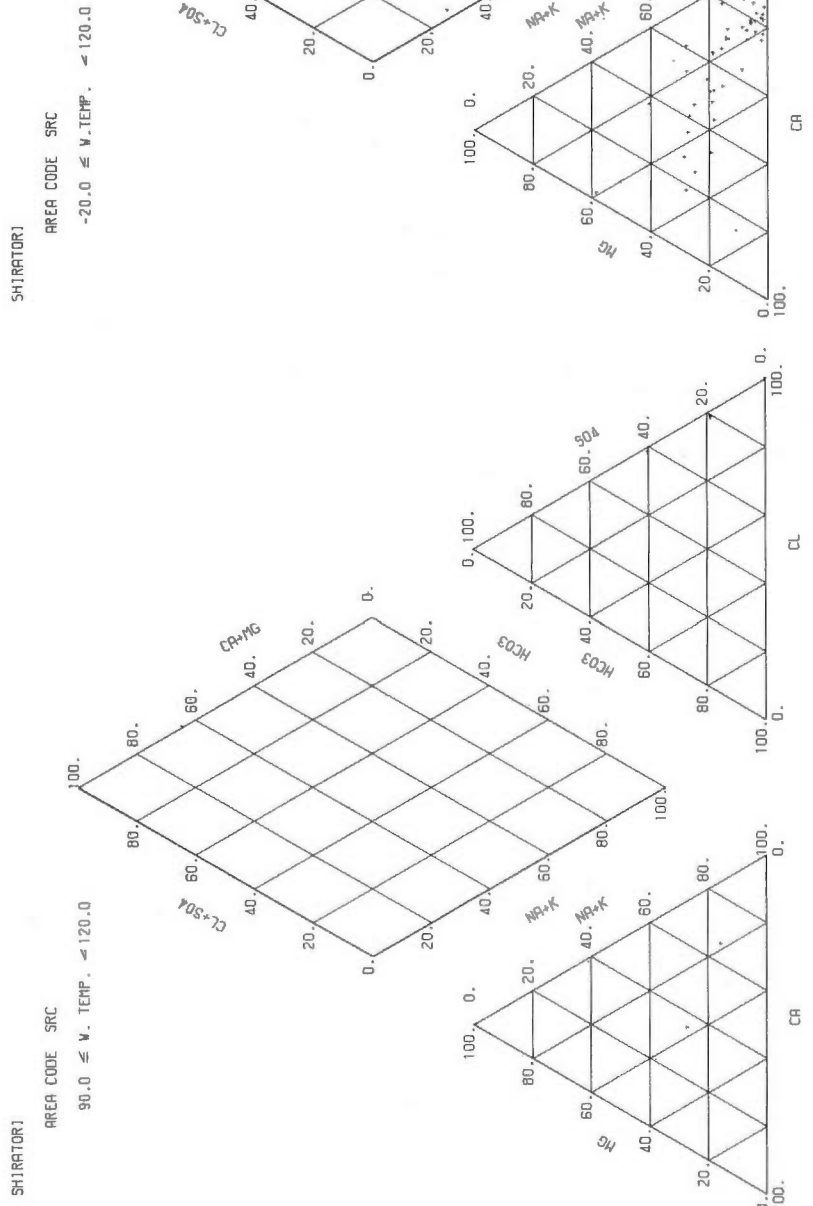
SHIRATORI

AREA CODE SRC

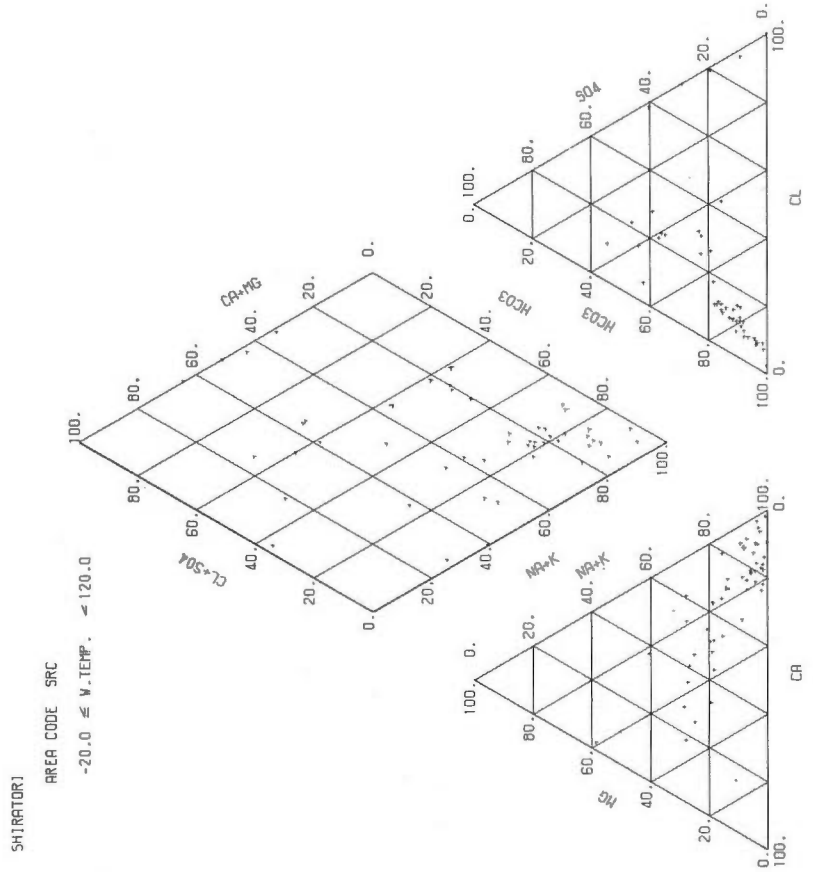
60.0 ≤ W. TEMP. < 90.0



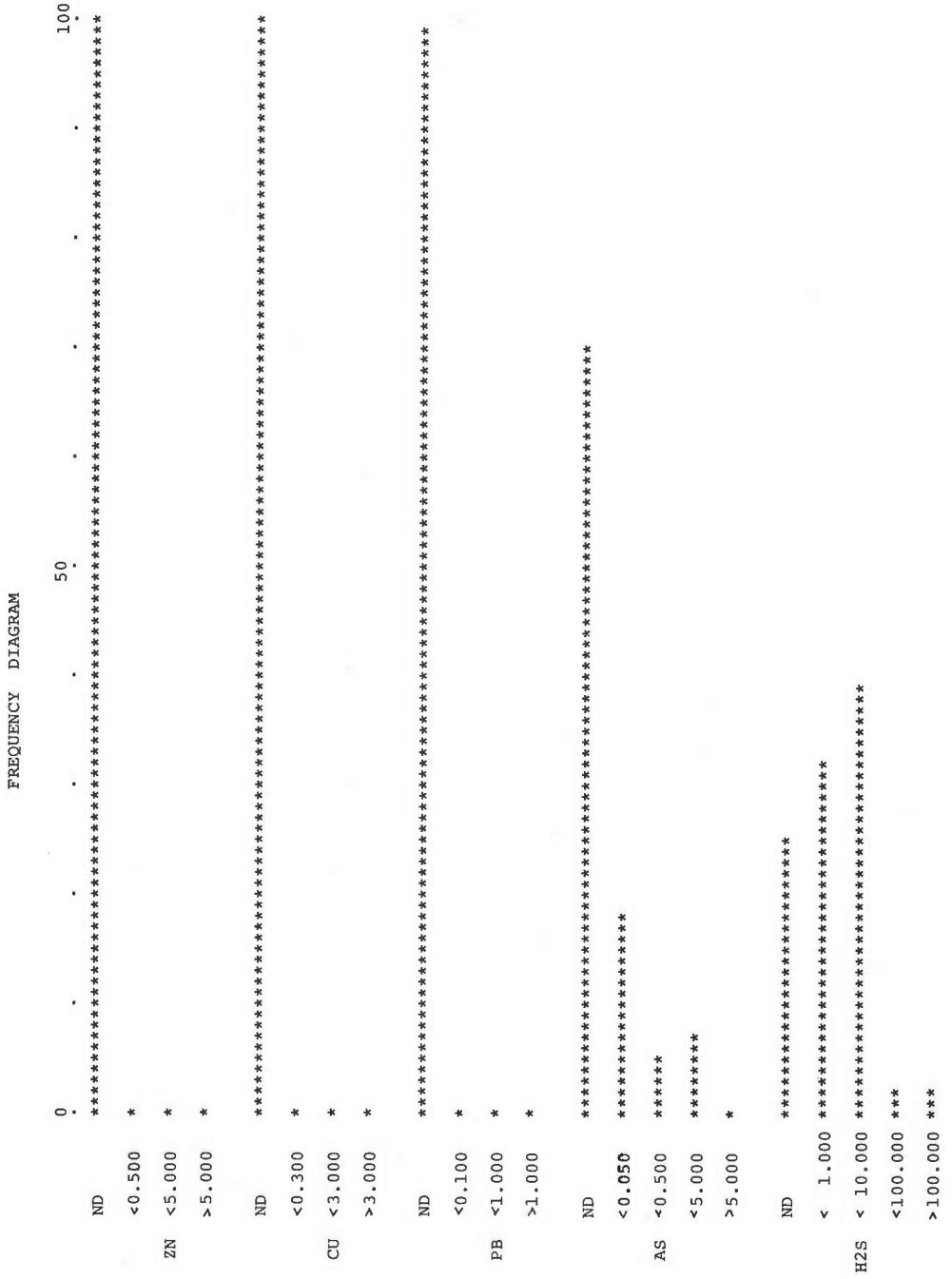
第 45-7 図 白鳥地域水質組成図 (その 5) (水温90℃以上120℃未満)



第 45-7 図 白鳥地域水質組成図 (その 6) (全試料)



第 45-8 図 白鳥地域特定成分含量の頻度分布図



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。

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 - 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
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日本の主要地熱地域の熱水の化学組成, その2

比留川 貴・安藤直行・角 清愛

地質調査所報告, no. 262, p. 1~404 1981

illus., 171 tab. 260

HIRUKAWA, T.

ANDO, N.

SUMI, K.

前報に引き続き、わが国主要地熱地域15地域に分布する熱水の化学組成資料894種について整理・再計算して編集した。記載されたデータは水温、TSM, 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 及び Rn の31項目である。また、上記数値の中から貯留層の温度推定に有効とされている当量比 Na/K, Ca/(HCO₃+CO₃), Mg/Ca, Na/Ca, Cl/(HCO₃+CO₃) 及び Cl/F の6種を求めた。更に、主要陰・陽イオンの三角図及び菱型図作成のための計算と作図を行った。

550.4 : 543.3 : 551.234 : 553.78

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Hiroshi ISOMI

CHEMICAL COMPOSITION OF THE THERMAL
WATERS FROM FIFTEEN MAIN
JAPANESE GEOTHERMAL FIELDS

Part 2

Edited by

Takashi HIRUKAWA, Naoyuki ANDO and Kiyoshi SUMI

GEOLOGICAL SURVEY OF JAPAN

Higashi 1-chōme, Yatabe-machi, Tsukuba-gun, Ibaraki-ken, 305 Japan

1981

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