Yukon Ground Temperature

Data Collection-

1966 to August 1981

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Abstract

This report presents subsurface temperature measurements recorded to the end of August 1981 in the Yukon Territory. These measurements were obtained by the Earth Physics Branch (EPB) in cooperation with the mining, petroleum, engineering and consulting industries, the Polar Continental Shelf Project of Energy, Mines and Resources, and the Department of Indian and Northern Affairs. Data from 14 shallow boreholes (0-10m), 28 intermediate depth holes (10-125m) and 29 deep holes (greater than 125m) have been compiled and presented as tables of temperature logs at each borehole and as graphs of temperature variation with depth. Maps showing mean ground surface temperatures, mean ground temperature gradients, permafrost occurrences and thickness have been prepared from the data. Mean annual ground surface temperatures approximated by extrapolation from the ground temperature profiles range from -9.7° to 3.8°C. Geothermal gradients, calculated from the data at the deep holes, range from 20 to 42 mKm^{-1}. A map showing permafrost distribution indicates sites where permafrost was encountered and includes, whenever possible, the permafrost thickness determined from the borehole data. Permafrost occurs sporadically and at attitudes above 1500m in the south and continuously with a thickness of up to 200m in the north.

Résumé

Ce rapport présente les données de température souterraine recueillies au Territoire du Yukon depuis 1966. Ces mesures ont été obtenues par la Direction de la physique du globe en collaboration avec l'industrie minière et pétrolière, les ingénieurs-conseil, l'Etude du plateau continentale polaire du Ministère de l'Energie, des mines et des ressources, et le Ministère des Affaires indiennes et du nord. Les données de 14 forages peu profonds (0 - 10 m), 28 forages de profondeur intermédiaire (10 - 125 m) et 29 forages profonds (plus de 125 m) ont été rassemblées et présentées sous forme de tableaux des diagraphies de la température et de graphiques de la température en fonction de la profondeur. Des cartes indiquant la température moyenne annuelle à la surface, les gradients moyens de la température souterraine et les déterminations de l'épaisseur du pergélisol ont aussi été préparées. La température moyenne annuelle à la surface, obtenue par extrapolation du profil de la température en fonction de la profondeur, varie entre -9.7 et 3.8°C. Les gradients géothermiques, calculés pour les forages profonds, sont de 20 à 42 mKm^{-1}. Une carte de la répartition du pergélisol indique les forages où le pergélisol a été rencontré et inclus lorsque possible l'épaisseur déterminée d'après les diagraphies de la température. Dans le sud le pergélisol est parsemé et se trouve aussi à des altitudes supérieures à 1500 m. Au nord, son étendue est continue avec une épaisseur atteignant 200 m.

1. Introduction

The object of this report is to make widely available some of the base ground temperature data necessary in the assessment and solution of problems that may occur in northern development. This report complements the Canadian Geothermal Data Collection of all deep (>125m) temperature data north of 60° (see Judge et al, 1981 for the most recent volume of the collection). This report provides all ground temperature measurements publically available in the Yukon including those obtained from holes shallower than 125m. The authors would greatly appreciate receiving additional data that users of this collection might have and wish to include in the compilation. The intent is to systematically publish similar volumes for other northern regions over the next several years.

Deep temperature measurements are recorded in the Yukon as part of an ongoing study by the EPB of terrestrial heat flow in the Canadian Cordillera. In addition to yielding information on geothermal temperature gradients and terrestrial heat flow, these measurements are relevant to studies of the distribution, stability, thickness and temperature of permafrost. Shallow and intermediate borehole temperature measurements in the Yukon are also important in delineating permafrost occurrences and useful to the study of the shallow ground thermal regime. Information on the active layer, the amplitude and the depth of penetration of the annual temperature wave, permafrost temperatures, their proximity to 0°C, and evidence for short-term climatic change may be obtained from these shallow holes.

Figures 1, 1a and 1b show the location of all sites of ground temperature information reported in the collection. The data have been divided into shallow holes from 0-10m deep, intermediate holes 10-125m deep

and deep holes, greater than 125m. Table 1 lists all the boreholes at each site and gives the EPB file number, coordinates, elevation, maximum depth logged and measurement technique. Sites listed at the end of the table that have no EPB file number are referred to by their initials on the location map.

2. Data Acquisition and Accuracy

Temperature measurements have been obtained in a variety of boreholes drilled by mining, petroleum, and engineering consulting companies. The methods of preservation of drillholes for temperature measurement, data acquisition and accuracy have been described elsewhere (Judge, 1973 and 1974; Taylor and Judge, 1974). The technique of temperature measurement, either a single thermistor probe lowered incrementally down a borehole or a multithermistor cable installed in the borehole, is indicated in Table 1 and in the individual borehole data tables in Appendix 1. Thermistors used in the single thermistor probes are in general accurate to 0.01°C; those used in the manufacture of multithermistor cables, to 0.2°C.

Temperatures measured shortly after the completion of drilling are disturbed by the drilling process; usually the deeper the hole, the longer the drilling time, the greater the disturbance and the longer the time necessary for its dissipation. In permafrost terrains this dissipation time can be increased (by several years in deep boreholes) due to latent heat effects associated with freezeback of the borehole. By taking many logs while the disturbance dissipates, a calculation of equilibrium temperatures may be made, rather than waiting until the hole returns to equilibrium before running a temperature log. The problem of the drilling disturbance and the method of calculation of equilibrium temperatures are discussed by Taylor and Judge (1974). Equilibrium temperature calculations are not included in this data report.

3. Data

Appendix 1 contains tables of measured temperatures and the dates of the measurements for each borehole. The format of presentation is that of the Canadian Geothermal Data Collection. The tables are presented in order of EPB file number. Each table is headed by the EPB number, the abbreviated borehole name, the borehole coordinates and its elevation. A summary of temperature-depth logs, each log headed by the date of measurement, follows. Depths are given to the nearest 0.1m and temperatures, to the nearest 0.01°C. The tables include additional information on the boreholes such as their official name, present status and history, lithology and site description.

Appendix 2 presents graphs of the logs of temperature versus depth for each borehole. These have been divided into the shallow, intermediate and deep holes. Within each group the graphs are arranged in order of their EPB file number. When a simplified geologic section appears on the graphs, the abbreviations used are the following:

ARG	argillite
BR	breccia
CL	clay
GR	gravel
HRF	hornfels
MDST	mudstone
PB	pebbles
QDP	quartz diorite porphyry
QED	quartz eye diorite
QMP	quartz monzonite prophyry
QTE	quartzite
SD	sand
SGI	seggregated ice
SH	shale
SI	silt
SLT	siltstone
SS	sandstone
W	organics
/,-	and, with or e.g. SI-CL: silty clay

4. Ground Temperatures and Ground Temperature Gradients

Mean annual ground surface temperatures approximated by extrapolation from the ground temperature profiles are indicated in Figure 2. Where there are several boreholes with different extrapolated surface temperatures a range is given for the site. Mean annual surface temperatures determined at the sites vary from -9.7 to 3.8°C. Ground temperature gradients have been calculated, at the deep holes, using the deeper portion of the temperature versus depth profile. Figure 3 maps these mean ground temperature gradients and gives the depth interval over which the calculations were made. The geothermal gradients are in general low, ranging from 20 to 42 mKm^{-1}.

The ground temperature gradients are useful in delineating areas of geothermal energy potential. Several thermal springs exists in central and southern Yukon (Brandon, 1965; Crandall and Sadlier-Brown, 1976). Potential future uses of geothermal energy seem to be in the field of space and process heat. The communities of Whitehorse and Mayo already use low grade geothermal energy in the form of warm groundwater in their municipal water systems, to reduce fuel consumption needed to prevent freezing in the winter. The Takhini hot springs 20 km north of Whitehorse are used for recreational purposes. An EPB continuous temperature logger is at present monitoring the fluctuations in the Takhini spring waters by taking readings every four hours, as a first step in studying the local hydrology.

5. Permafrost Distribution and Thickness

Figure 4 is a map showing all sites where permafrost was encountered and indicates wherever possible its thickness. In shallow holes an extrapolation to determine the permafrost thickness is often not possible and the number reported is the depth to which negative temperatures were encountered. At the

intermediate and deep sites the thickness reported has been determined either by interpolation or extrapolation from the ground temperature profile. The map also points out sites(*) where frozen ground was encountered but no ground temperature data, and hence permafrost thicknesses, are available. At these sites temperature logs could not be obtained as the fluid filling the borehole had frozen, plugging the hole. Figures reported on the map for these sites are the depth at which frozen material was encountered, thus a minimum permafrost thickness. A '+' indicates that the total thickness could not be determined and it is probably greater than the figures reported.

More than 95% of the Yukon Territory lies within the permafrost zone (Fig. 4). The permafrost grades roughly from continuous, north of 67°N, through discontinuous to sporadic generally south of 64°N. A comprehensive report on permafrost investigations in the Southern Yukon (south of 65°) was compiled by Brown (1967). Burgess et al. (1979) summarize Brown's report and briefly discuss ground temperature measurements and climate. The thermal regime of the nearby Mackenzie Valley has been described by Judge (1973 and 1975) who compiled information on air and ground temperatures, active layer thickness, snow cover, depth to zero annual amplitude and permafrost thickness.

These latter investigations have revealed a general increase in surface temperature of a few degrees over the last century believed reflected in active thermokarst topography in the southern Mackenzie Valley. Active thermokarst features in the Takhini Valley north of Whitehorse have been noted by Klassen et al. (1978) and Klassen (1979). Kershaw and Gill (1979) have reported thermal degradation of peat plateaux and palsas occurring during the last 35 years in the MacMillan Pass area at 1350m a.s.l. Studies in the Mackenzie Valley also suggested that air and ground temperatures may now be dropping and this has been verified by Mackay (1976) in the reactivation of ice wedges along the Arctic coast. No geomorphic evidence has been reported

for the Yukon although analysis of climatic records for an Alaska composite indicates a 1K drop in mean air temperature from 1940 to 1960. At Barrow along the Alaska Arctic coast this has been followed by a cooler period; whereas at Fairbanks, in the interior, an increased warming has been felt since the 1962 low (Brown and Andrews, 1980). Analysis of ground temperature profiles in the Ogotoruk Valley, northwestern Alaska (Lachenbruch et al., 1966) has revealed that active climatic change has been in progress throughout the last century, increasing the mean ground-surface temperature on the order of 2°C. Similar events were detected from ground temperature profiles at Point Barrow and at Cape Simpson.

In areas of marginal permafrost, determining long term climatic trends becomes important as small changes in ground temperature can drastically change the properties and hence the behaviour of soils. The implication of these changes for northern development are discussed by Judge (1975), and by Van Everdingen (1979) who presents the potential interactions between pipelines and northern terrain.

6. Summary

1. Temperature results from 15 shallow boreholes of depths to 10m, 27 boreholes of intermediate depth 10 to 125m and 29 boreholes greater than 125m in depth have been compiled to give a preliminary picture of the thermal regime in the Yukon and neighbouring areas.
2. Mean annual ground temperatures range from -9.7°C along the Arctic coast to +3.8°C in the southern and eastern Yukon. Local variability is typically in the order of 2 to 4K. Mean annual air temperatures in contrast range from -11.6°C along the Arctic coast (Judge, 1973) to -0.8°C at Whitehorse in the south, (Environment Canada).

Comparison of mean annual ground temperatures with mean annual air temperatures from nearby weather stations at 7 locations reveals that the ground temperatures are from 1.3 to 7.1°C warmer.

3. Subsurface temperature gradients observed at 12 sites across the region vary from 20 to 42 mKm^{-1} through widely differing lithologies. In general typical subsurface temperatures at a depth of 1 Km should range from 20 to 35°C in most of the Yukon, the higher gradients in the north being compensated by lower mean ground temperatures.
4. Permafrost is widespread throughout the Yukon occurring sporadically and at altitudes above 1500m in the south and continuously with a thickness of up to 200m in the north.
5. Both geothermal and geomorphic evidence exists of recent changes of ground temperature by as much as several degrees in response to changes of air temperature.

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References

Brandon, L.V. 1965. Groundwater Hydrology and Water Supply in the District of Mackenzie, Yukon Territory and adjoining parts of British Columbia. Geol. Surv. Can., Paper 64-39.

Brown, J. and Andrews, J.T. 1980. Influence of short-term climatic fluctuations on permafrost terrain. Unpublished Manuscript submitted to the American Association for the Advancement of Science.

Brown, R.J.E., 1967. Permafrost Investigations in British Columbia and Yukon Territory. NRC-DBR, Techn. Paper No. 253, 55p.

Burgess, M., Allen, V. and Judge, A. 1979. Shallow Borehole Temperature Profiles in Permafrost Terrains, Dempster and Alaska Highways, 1978. Internal Report 79-10, Geothermal Service of Canada, Earth Physics Branch, EMR.

Crandall, J.T. and Sadlier-Brown, T.L. 1976. Data on Geothermal Areas, Cordilleran Yukon, Northwest Territories and Adjacent British Columbia, Canada. Earth Physics Branch Open File Number 78-1, EMR, 80p.

Environment Canada. Atmospheric Environment Service. Temperature and Precipitation 1941-1970- The North - Y.T. and N.W.T.

Judge, A.S. 1973. Thermal regime of the Mackenzie Valley. Environmental Social Committee Northern Pipeline Report 73-38, D.I.N.A., 177p.

Judge, A.S. 1974. Geothermal measurements in northern Canada, p. 301-311 in Proceed. Symp. Geology of Arctic Canada, G.A.C. -C.S.P.G. Saskatoon.

Judge, A.S. 1975. Geothermal studies in the Mackenzie Valley by the Earth Physics Branch. Geothermal Service of Canada Series, No. 2, 12p.

Judge, A.S., Taylor, A.E., Burgess, M. and Allen, V.S. 1981. Canadian Geothermal Data Collection - Northern Wells 1978-1980. Geothermal Series Number 12, Earth Physics Branch, EMR, 190p.

Kershaw, G.P. and Gill,s D. 1979. Growth and decay of palsas and peat plateaux in the MacMillan Pass - Tsichu River area, Northwest Territories, Canada. Can. J. Earth Sci., 16, 1362-1374.

Klassen, R.W. 1979. Thermokarst terrain near Whitehorse - Yukon Territory. Scientific and Technical Notes in Current Research, Part A, Geol. Surv. Can., Paper 79-1A, 385-388.

Klassen, R.W., Thorsteinsson, E., and Hughes, O.L. 1978. Surficial geology and terrain evaluation, southern Yukon; in Current Research, Part A; Geol. Surv. Can., Paper 78-1A, p. 465.

Lachenbruch, A.H., Greene, G.W. and Marshall, B.V. 1966. Permafrost and Geothermal Regimes. Chapter 10 in Environment of the Cape Thomson Region, Alaska. U.S. Atomic Energy Commission, p. 149-164.

MacKay, J.R. 1976. Ice wedges as indicators of recent climate change, western Arctic coast. in Report of Activities, Part A: Geol. Surv. Can., Paper 76-1A, 233-234.

Pui, N.K. and Lucente, R.F. 1975. Freezeback temperature measurements for 1974. Imperial Oil Limited, Production Dept., Production Research and Technical Service Laboratory, Calgary, Alberta. IPRT-28ME-75.

Taylor, A.E. and Judge, A.S. 1974. Canadian Geothermal Data Collection -Northern Wells, 1955 to February 1974. Geothermal Series Number 1, Earth Physics Branch, EMR, 171p.

van Everdingen, R.O. 1979. Potential interactions between pipelines and terrain in a northern environment. National Hydrology Research Institute. Inland Waters Directorate. Technical Bulletin No. 114.

TABLE 1: Sites included in report

EPB File No.	Site Name	Lat.(N)	Long.(W)	Elev. (m)	Zmax (m)	Technique
62	North Cath B-62	66 11.2	138 41.6	535	792.5	M
89	Beaver House Creek H-13	68 22.3	135 33.0	68	1305.4	S
112	Clinton Creek -1	64 26.3	140 44.5	557	152.4	M
112	Clinton Creek -2	64 26.4	140 44.5	557	10.7	M
112	Clinton Creek -3	64 26.4	140 44.4	476	13.7	M
112	Clinton Creek -4	64 26.5	140 44.2	506	Horiz.	M
122	Whitehorse Copper -1	60 37.4	135 3.2	870	485.4	S
122	Whitehorse Copper -2	60 45.1	135 7.9	825	220.4	S
122	Whitehorse Copper -3	60 45.0	135 11.0	885	387.8	S
139	Logtung -1	60 0.5	131 36.0	1477	153.6	S
139	Logtung -2	60 0.5	131 36.4	1575	218.8	S
139	Logtung -3	60 0.6	131 36.2	1567	196.1	S
139	Logtung -4	60 0.7	131 36.3	1522	186.8	S
188	Ruby Creek -1	59 42.7	133 24.8	1559	335.3	S
188	Ruby Creek -2	59 42.8	133 24.1	1453	289.6	S
188	Ruby Creek -3	59 42.7	133 24.3	1475	39.6	S
188	Ruby Creek -4	59 42.8	133 24.2	1475	42.7	S
205	Kay Point -1	69 15.0	138 21.7	60	60.0	M
205	Kay Point -2	69 15.1	138 19.9	60	60.0	M
205	Kay Point -3	69 17.5	138 23.2	10	30.2	S

EPB File No.	Site Name	Lat.(N)	Long.(W)	Elev. (m)	Zmax (m)	Technique
205	Kay Point -4	69 16.4	138 21.2	30	21.0	S
205	Kay Point -5	69 16.1	138 24.4	5	30.8	S
205	Kay Point -6	69 13.6	138 25.6	5	30.8	S
205	Kay Point -7	69 12.8	138 23.1	5	14.9	S
205	Kay Point -8	69 11.8	138 20.2	5	17.4	S
205	Kay Point -9	69 14.0	138 24.5	5	30.2	S
205	Kay Point -10	69 15.2	138 30.2	0	30.5	S
226	Alcan Foothills -1	62 31.6	140 56.9	686	6.2	S
226	Alcan Foothills -2	62 17.5	140 46.1	747	7.4	S
226	Alcan Foothills -3	61 35.6	139 27.1	747	6.0	S
226	Alcan Foothills -4	61 26.7	139 14.0	820	8.5	S
226	Alcan Foothills -5	61 16.1	138 50.3	823	9.0	S
226	Alcan Foothills -6	61 14.4	138 46.8	845	9.0	S
226	Alcan Foothills -7	61 42.9	139 50.3	780	3.0	S
226	Alcan Foothills -8	61 42.8	139 50.1	780	7.3	S
226	Alcan Foothills -9	61 40.5	139 43.7	716	4.9	S
226	Alcan Foothills -10	61 30.4	139 19.4	777	8.5	S
226	Alcan Foothills -11	61 14.9	138 47.7	823	4.6	S
226	Alcan Foothills -12	60 54.9	137 52.3	840	8.8	S
226	Alcan Foothills -13	60 50.9	136 59.2	698	7.3	S
226	Alcan Foothills -14	60 48.9	136 41.9	750	6.1	S
231	Foothills CS -1	60 48.8	137 25.7	671	28.4	M
231	Foothills CS -2	60 47.8	135 56.7	686	28.1	M

EPB File No.	Site Name		Lat.(N)	Long.(W)	Elev. (m)	Zmax (m)	Technique
231	Foothills CS	-3	61 35.0	134 37.5	686	18.5	M
232	Monenco	-1	62 0.9	136 49.0	576	27.4	M
232	Monenco	-2	62 17.5	136 14.5	578	27.4	M
232	Monenco	-3	62 20.3	136 22.6	547	18.3	M
276	Ulu	A-35	68 44.0	135 52.9	3	167.6	S
289	Red Mountain	-1	60 59.6	133 45.3	1500	524.0	S
289	Red Mountain	-2	60 59.6	133 44.7	1436	312.2	S
289	Red Mountain	-3	60 59.6	133 44.8	1502	365.9	S
289	Red Mountain	-4	60 59.6	133 44.7	1414	624.2	S
289	Red Mountain	-5	60 59.5	133 44.8	1605	91.1	S
289	Red Mountain	-6	60 59.6	133 44.7	1454	65.5	S
289	Red Mountain	-7	60 59.6	133 45.2	1517	478.8	S
289	Red Mountain	-8	60 59.6	133 44.9	1514	447.9	S
290	Howards Pass	-1	62 34.0	129 32.5	1497	523.0	S
290	Howards Pass	-2	62 27.0	129 24.0	1631	193.2	S
296	MacMillan Pass	-1	63 8.9	130 15.2	1193	149.4	S
296	MacMillan Pass	-2	63 9.0	130 15.6	1276	145.8	S
296	MacMillan Pass	-3	63 9.1	130 15.8	1293	188.2	S
296	MacMillan Pass	-4	63 8.9	130 15.0	1168	187.9	S
296	MacMillan Pass	-5	63 8.9	130 15.8	1277	173.0	S
296	MacMillan Pass	-6	63 9.3	130 16.2	1284	45.5	S
296	MacMillan Pass	-7	63 8.7	130 15.9	1202	33.5	S
296	MacMillan Pass	-8	63 8.8	130 14.8	1156	19.4	S
297	Otter Creek	-1	60 20.9	127 23.8	915	86.8	S
297	Otter Creek	-2	60 21.2	127 23.8	910	192.2	S
297	Otter Creek	-3	60 21.3	127 23.8	942	270.8	S

Sites without EPB file numbers:

B.R. Blow River	68 46.3	137 27.2	125	594.5	M
F.L. Finlayson Lake	61 46.7	131 3.3	838	18.0	S

Notes

1) Zmax: refers to maximum depth logged

2) technique: S refers to single thermistor probe

M refers to multithermistor cables

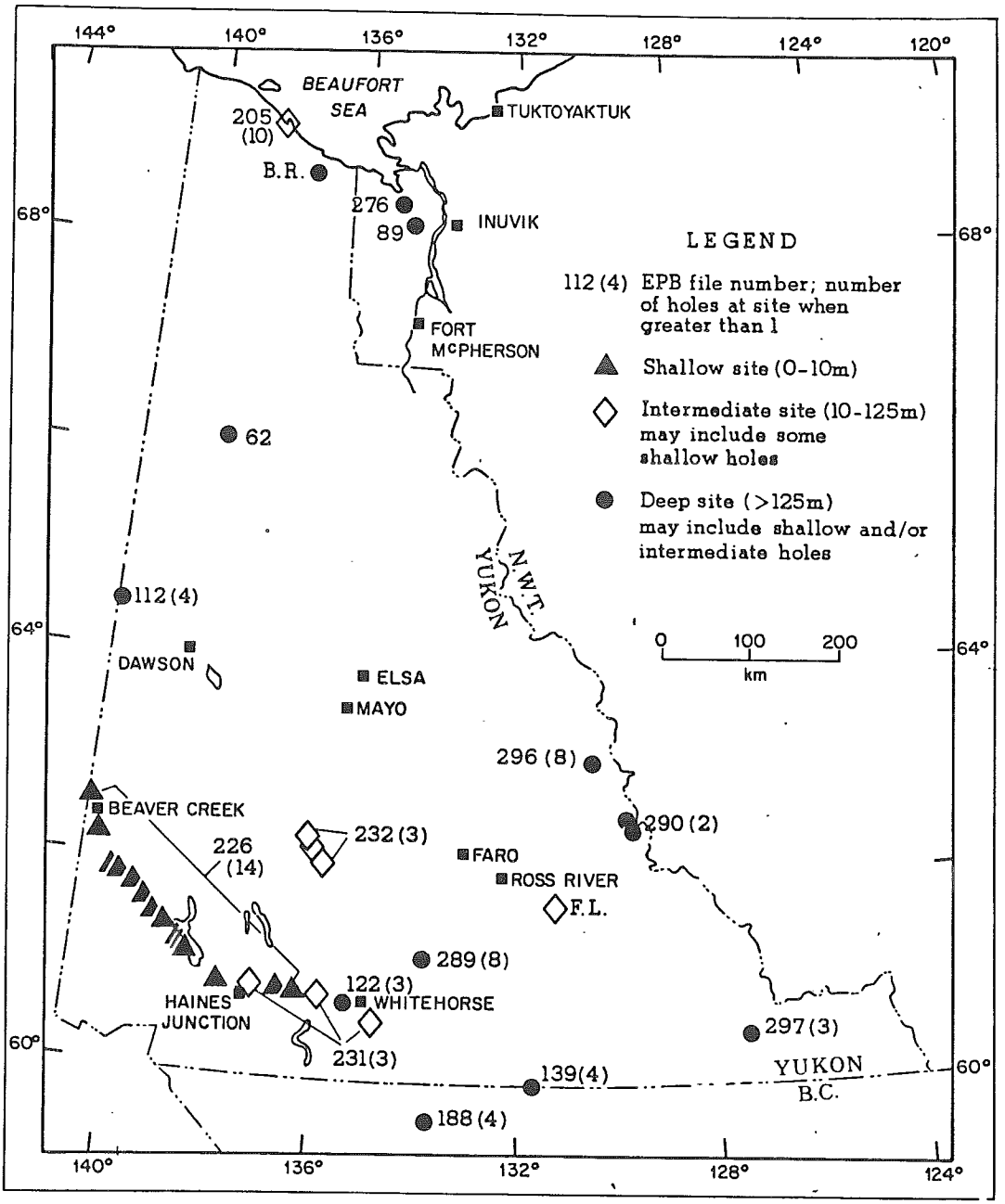


Figure 1. Site locations. Numbers refer to EPB file numbers. Initials refer to sites without a file number. Symbols indicate depth of boreholes at site.

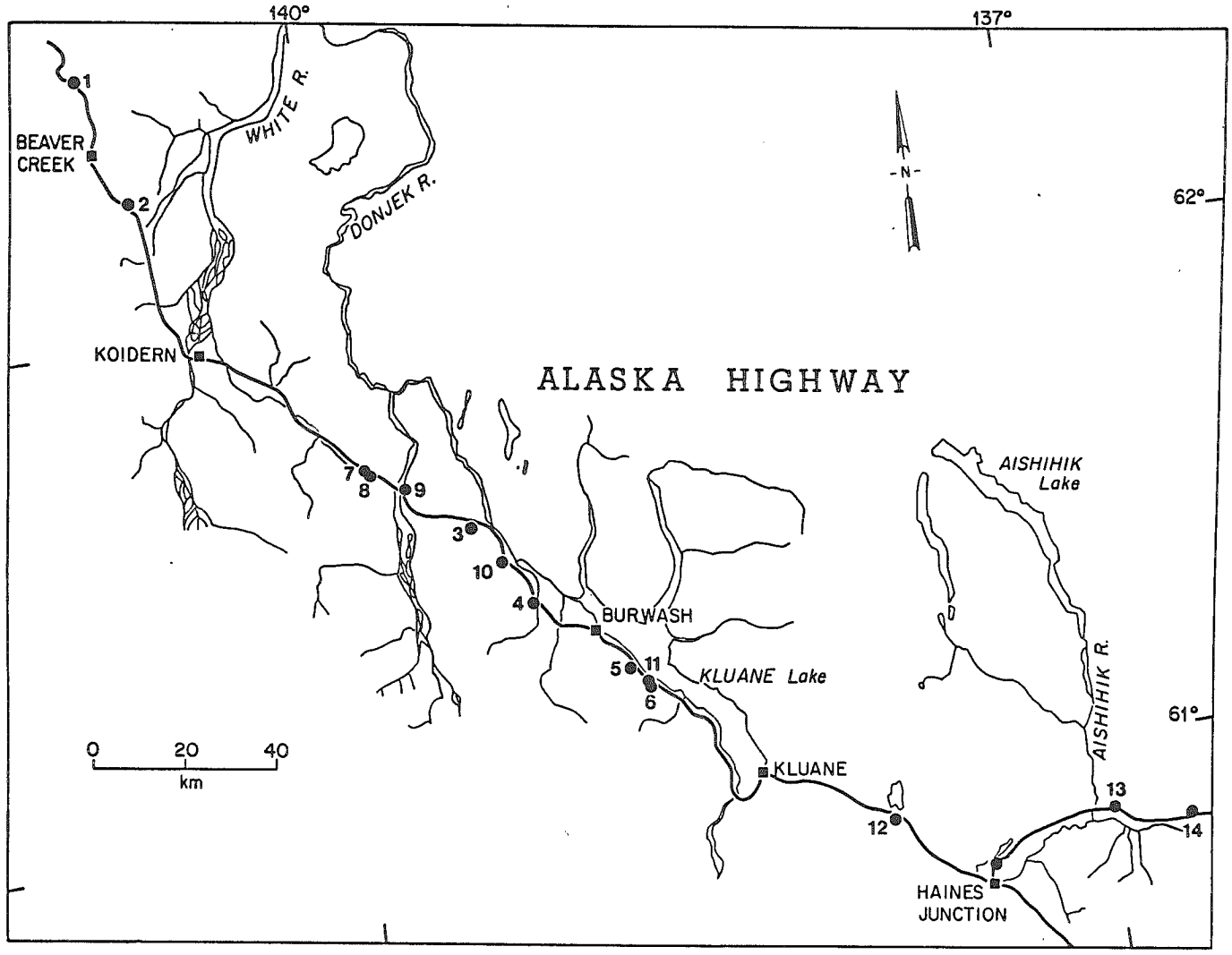


Figure 1a. Detailed location map of Alcan-Foothills sites (EPB file 226).

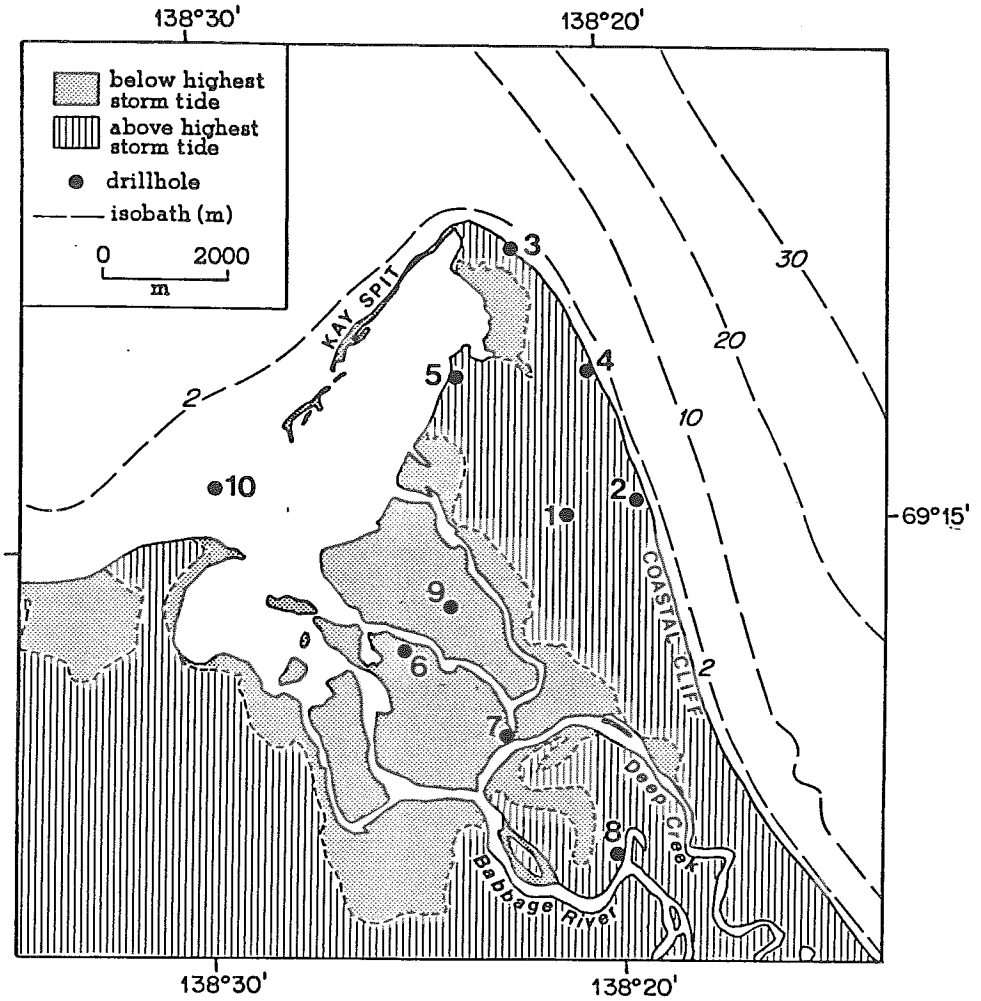


Figure 1b. Detailed location map of Kay Point boreholes (EPB file 205).

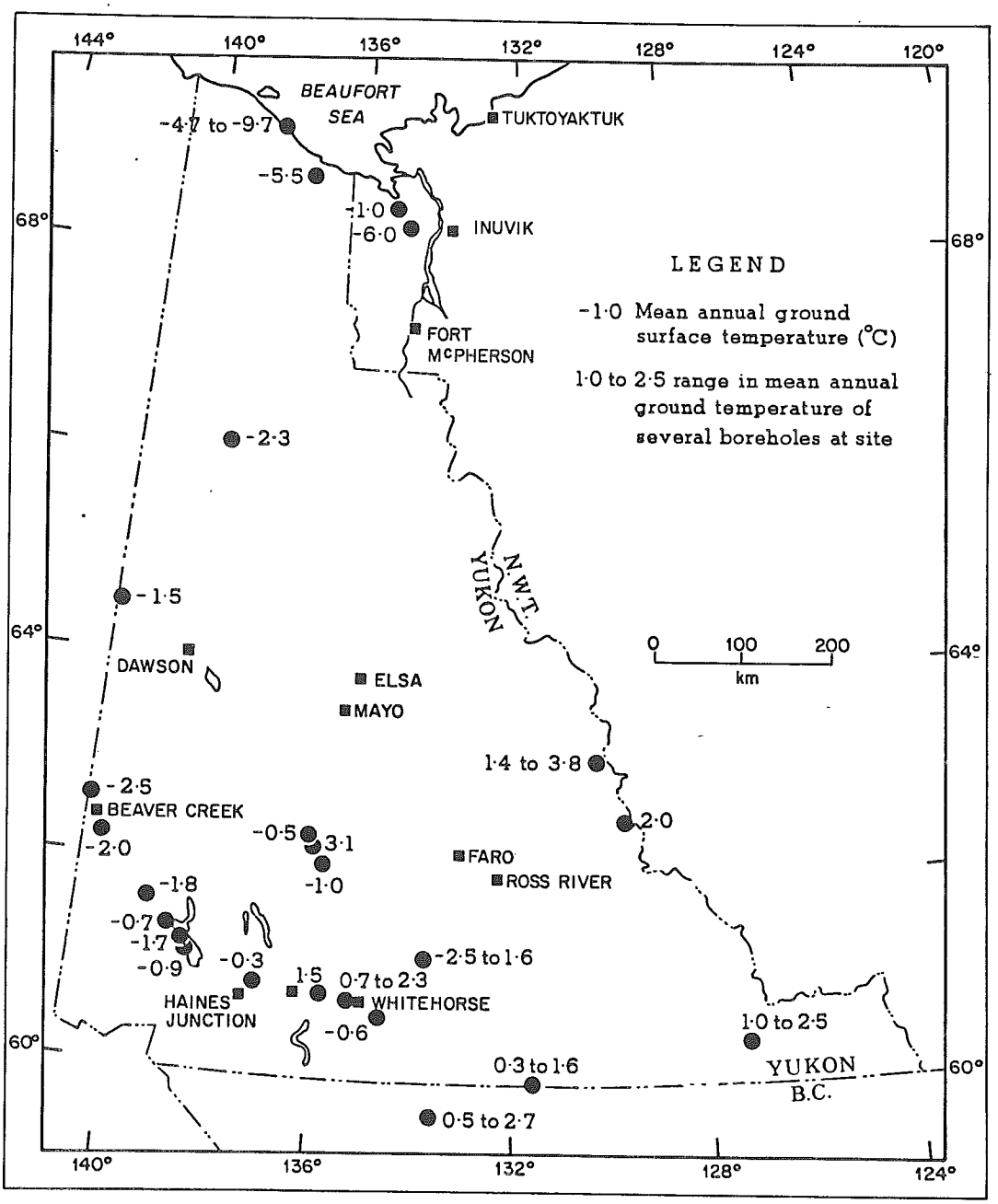


Figure 2. Mean ground surface temperatures (°C). The temperature at Blow River is based on a return to equilibrium calculation.

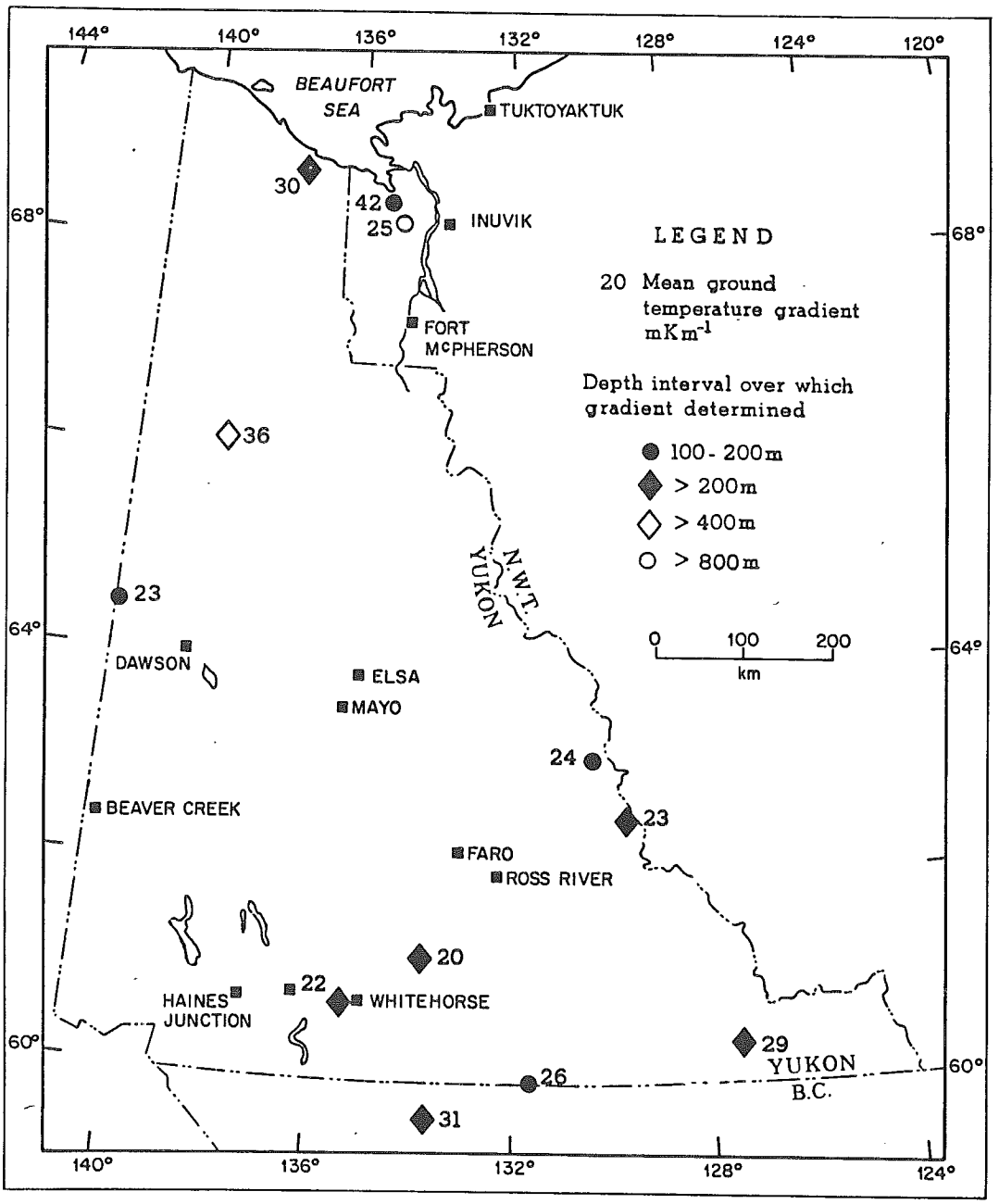


Figure 3. Mean ground temperature gradients (mKm^{-1}) and depth intervals these represent.

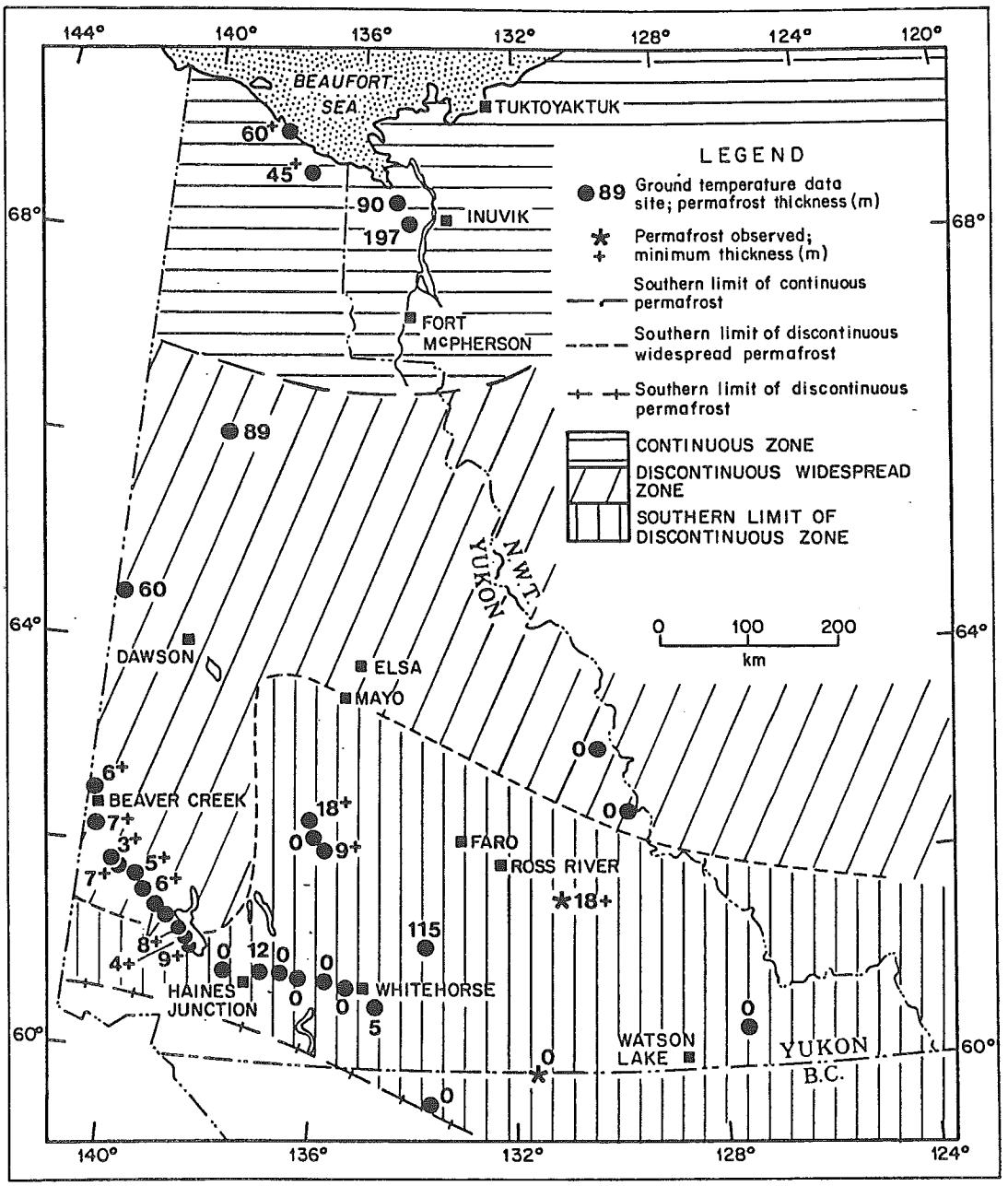


Figure 4. Permafrost boundaries in the Yukon, permafrost occurrences and thicknesses at sites in the report.

APPENDIX I

EARTH PHYSICS BRANCH NO.
62 NORTH CATH B-62
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

66 DEGREES 11.2 MINUTES NORTH
138 DEGREES 41.6 MINUTES WEST

66 DEGRES 11.2 MINUTES NORD
138 DEGRES 41.6 MINUTES OUEST

ELEVATION 535 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 66 7 16	DATE 67 7 15	DATE 69 7 26	DATE 70 7 15
Z(M)	T(C)	T(C)	T(C)	T(C)
15.2	-2.15	-2.25	-2.12	-2.07
61.0	-.79	-1.08	-1.28	-1.31
106.7	1.22	1.09	.89	.93
152.4	3.62	3.48	3.35	3.31
198.1	5.70	5.54	5.32	5.31
243.8	8.25	8.38	8.01	7.98
289.6	10.78	10.70	10.54	10.51
335.3	12.90	12.72	12.70	12.66
381.0	14.83	14.76	14.65	14.63
426.7	16.32	16.24	16.18	16.19
472.4	17.91	17.78	17.64	17.64
518.2	19.55	19.57	19.49	19.51
563.9	20.91	20.89	20.84	20.84
609.6	22.60	22.62	22.58	22.57
655.3	24.20	24.23	24.20	24.20
701.0	25.91	25.95	25.94	25.92
746.3		27.79	27.76	27.72
792.5	29.25	29.25	29.23	29.22

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. LOGGING OF THIS HOLE IS COMPLETE AND IT HAS BEEN OFFICIALLY ABANDONED BY THE EARTH PHYSICS BRANCH.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. LE SONDAGE DE CE PUITS EST TERMINE ET LA DIRECTION DE LA PHYSIQUE DU GLOBE L'A OFFICIELLEMENT ABANDONNE.

SOCONY MOBIL WESTERN MINERALS N. CATH YT
-WELL SPUDDED 65 4 16
-DRILLING FOR 69 DAYS
-TOTAL DEPTH 2138 METRES
-WELL ABANDONED 65 6 25

SOCONY MOBIL WESTERN MINERALS N. CATH YT
-DEMARRAGE DU PUITS LE 65 4 16
-FORAGE PENDANT 69 JOURS
-PROFONDEUR TOTALE 2138 METRES
-ABANDON DU PUITS LE 65 6 25

EARTH PHYSICS BRANCH NO. 89 BEAVER HOUSE CREEK H-13

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 22.3 MINUTES NORTH
135 DEGREES 33.0 MINUTES WEST

68 DEGRES 22.3 MINUTES NORD
135 DEGRES 33.0 MINUTES OUEST

ELEVATION 68 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 71 8 10		DATE 72 7 26		DATE 73 6 22		DATE 74 8 19	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
16.0	-2.72	15.2	-5.21	14.8	-5.72	13.4	-6.31
46.8	-2.69	25.3	-4.86	29.7	-5.26	28.3	-5.60
93.0	-2.01	40.2	-4.70	44.7	-5.06	58.2	-5.10
108.1	-1.42	55.8	-4.56	59.5	-4.87	88.1	-4.48
123.1	-.67	70.7	-4.36	74.4	-4.60	118.0	-3.27
154.3	.82	86.3	-3.96	89.6	-4.30	148.1	-1.95
184.7	2.16	101.2	-3.58	104.2	-3.79	177.7	-.39
200.4	2.85	116.7	-2.96	119.1	-3.22	207.6	.88
231.2	4.25	131.4	-2.20	134.0	-2.39	237.1	2.29
260.7	5.75	147.2	-1.39	149.1	-1.67	267.0	3.85
291.0	6.85	161.8	-.68	164.0	-.96	296.9	5.18
306.3	7.43	177.7	.13	178.6	-.53	326.7	6.27
336.6	8.22	192.3	.68	193.5	.46	356.6	7.13
352.2	8.55	208.2	1.39	208.3	1.07	386.5	7.63
382.5	8.91	222.2	2.02	223.2	1.89	416.4	8.69
398.1	9.54	238.0	2.77	238.1	2.50	446.2	9.37
413.1	10.10	252.7	3.39	253.0	3.16	475.8	10.11
428.4	10.35	263.3	4.33	267.9	4.06	505.7	11.08
443.7	10.63	283.2	4.92	282.8	4.70	536.4	12.62
474.6	11.50	298.7	5.64	297.6	5.40		
489.6	11.84	312.7	6.16	312.5	5.95		
505.2	12.53	329.2	6.66	327.4	6.43		
520.2	13.41	343.5	7.15	342.3	6.92		
535.5	14.12	359.7	7.51	357.2	7.26		
566.4	15.49	374.3	7.73	372.0	7.51		
581.4	16.20	389.8	8.02	387.2	7.76		
612.3	17.59	404.5	8.61	401.8	8.25		
627.3	18.04	420.6	9.12	416.7	8.82		
642.9	18.43	436.2	9.43	431.6	9.19		
657.9	18.82	451.1	9.77	446.5	9.48		
673.5	19.43	466.0	10.14	461.3	9.85		
688.5	19.99	481.6	10.55	476.3	10.26		
703.8	20.80	496.2	10.96	491.1	10.60		
719.4	21.70	512.1	11.69	506.0	11.19		
734.4	22.64	526.7	12.45	520.9	11.95		
749.7	23.29	542.5	13.24	535.8	12.70		
765.0	23.53	556.6	13.90	550.6	13.45		
785.1	23.79	573.0	14.60	565.6	14.12		
800.5	24.29	587.0	15.32	580.4	14.81		
816.2	24.59	603.8	16.18	595.3	15.59		

847.3	25.26	634.3	17.25	625.1	16.79
862.7	25.54	650.7	17.68	640.0	17.26
877.8	25.82	665.4	18.11	654.8	17.63
892.9	26.13	680.0	18.62	669.7	18.10
908.2	26.40	697.1	19.36	684.6	18.69
923.9	26.66	710.2	20.04	699.5	19.39
939.9	26.94	726.9	21.18	714.4	20.23
954.7	27.27	740.4	22.00	729.3	21.20
970.1	27.62	757.4	22.73	744.1	22.11
985.5	28.39	769.3	22.97	759.0	22.66
1000.9	28.90	788.2	23.34	774.2	22.96
1016.6	29.19	800.4	23.72	788.8	23.27
1031.4	29.47	818.7	24.08	803.6	23.69
1046.8	29.72	831.2	24.36	818.5	23.99
1062.5	30.08	849.2	24.74	833.4	24.32
1077.9	30.37	861.7	25.00	848.3	24.63
1093.6	30.72	879.7	25.34	863.2	24.95
1108.7	31.08	910.4	25.94	878.1	25.21
1123.7	31.50	940.9	26.48	892.9	25.55
1131.5	31.83	971.4	27.41	907.8	25.82
1139.4	32.19	1001.9	28.48	922.7	26.07
1154.8	32.51	1032.4	29.07		
1169.9	32.81	1063.1	29.70		
1185.6	33.40	1093.9	30.43		
1200.7	34.06	1124.7	31.27		
1216.1	34.59	1155.5	32.30		
1231.8	35.13				
1247.2	35.61				
1262.3	36.02				
1277.7	36.37				
1293.1	36.76				
1305.4	37.04				

TEMPERATURE RESULTS ARE OBTAINED
FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS
ARE EXPECTED FOR THIS HOLE.

SHELL BEAVER HOUSE CREEK H-13
-WELL SPUDDED 70 11 23
-DRILLING FOR 124 DAYS
-TOTAL DEPTH 3748 METRES
-WELL ABANDONED 71 3 27

TEMPERATURES OBTENUES A PARTIR DE
SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES
SONDAGES DE LA TEMPERATURE DE CE PUITS.

SHELL BEAVER HOUSE CREEK H-13
-DEMARRAGE DU PUITS LE 70 11 23
-FORAGE PENDANT 124 JOURS
-PROFONDEUR TOTALE 3748 METRES
-ABANDON DU PUITS LE 71 3 27

EARTH PHYSICS BRANCH NO.
112 CLINTON CREEK -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

64 DEGREES 26.3 MINUTES NORTH
140 DEGREES 44.5 MINUTES WEST

64 DEGRES 26.3 MINUTES NORD
140 DEGRES 44.5 MINUTES OUEST

ELEVATION 557 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 73 12 20 T(C)	DATE 74 1 7 T(C)	DATE 74 1 24 T(C)	DATE 74 3 21 T(C)	DATE 74 3 27 T(C)
15.2	.10	0.00	0.00	-.10	-.10
30.5	.10	0.00	0.00	-.10	0.00
45.7	.10	0.00	0.00	-.10	-.10
61.0	.20	0.00	0.00	-.10	0.00
76.2	.30	.10	.10	0.00	.10
91.4	.70	.40	.20	.10	.10
106.7	.90	.70	.60	.50	.60
152.4	1.90	1.50	1.50	1.40	1.50

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

CASSIAR ASBESTOS BC-23
-DRILLED TO A TOTAL DEPTH OF 152 METRES

CASSIAR ASBESTOS BC-23
-FORE A UNE PROFONDEUR TOTALE 152 METRES

LITHOLOGY-UNCONTORTED GRAPHITIC ARGILLITE

EARTH PHYSICS BRANCH NO. 112 CLINTON CREEK -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

64 DEGREES 26.4 MINUTES NORTH
140 DEGREES 44.5 MINUTES WEST

64 DEGRES 26.4 MINUTES NORD
140 DEGRES 44.5 MINUTES OUEST

ELEVATION 557 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
74 3 27

Z(M)	T(C)
.0	-.10
1.5	-1.80
3.0	.10
4.6	.10
6.1	1.20
7.6	2.10
9.1	3.10
10.7	.20

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

CASSIAR ASBESTOS BC-63A
-DRILLED TO A TOTAL DEPTH OF 22 METRES

CASSIAR ASBESTOS BC-63A
-FORE A UNE PROFONDEUR TOTALE 22 METRES

LITHOLOGY-CONTORTED GRAPHITIC ARGILLITE

EARTH PHYSICS BRANCH NO. 112 CLINTON CREEK -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

64 DEGREES 26.4 MINUTES NORTH
140 DEGREES 44.4 MINUTES WEST

64 DEGRES 26.4 MINUTES NORD
140 DEGRES 44.4 MINUTES OUEST

ELEVATION 476 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 74 1 2 T(C)	DATE 74 1 7 T(C)
1.5	-9.50	-11.10
3.0	-8.10	-4.10
4.6	-.10	-1.10
6.1	.90	.10
7.6	.90	.10
9.1	1.00	.10
10.7	1.00	.10
12.2	1.00	.10
13.7	1.00	.10

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

CASSIAR ASBESTOS TC-2
-DRILLED TO A TOTAL DEPTH OF 15 METRES

CASSIAR ASBESTOS TC-2
-FORE A UNE PROFONDEUR TOTALE 15 METRES

EARTH PHYSICS BRANCH NO. 112 CLINTON CREEK -4
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

64 DEGREES 26.5 MINUTES NORTH
140 DEGREES 44.2 MINUTES WEST

64 DEGRES 26.5 MINUTES NORD
140 DEGRES 44.2 MINUTES OUEST

ELEVATION 506 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 74 2 4 T(C)	DATE 74 3 21 T(C)	DATE 74 3 27 T(C)
.0	-13.50	-2.90	
1.5	-20.20	-7.20	-5.80
3.0	-12.00	-9.40	-8.10
4.6	-6.00	-7.10	-7.00
6.1	-3.20	-5.20	-5.20
7.6	-1.90	-3.70	-3.70
9.1	-1.10	-2.10	-1.10
10.7	-.90	-1.50	-1.40
12.2	-1.00	-1.10	-1.00
13.7	-1.00	-1.10	-1.00

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

CASSIAR ASBESTOS HH-1
-DRILLED TO A TOTAL DEPTH OF 15 METRES

CASSIAR ASBESTOS HH-1
-FORE A UNE PROFONDEUR TOTALE 15 METRES

HORIZONTALLY DRILLED HOLE, AZIMUTH 315
LITHOLOGY-CONTORTED GRAPHITIC ARGILLITE

EARTH PHYSICS BRANCH NO. 122 WHITEHORSE COPPER -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 37.4 MINUTES NORTH
135 DEGREES 3.2 MINUTES WEST

60 DEGRES 37.4 MINUTES NORD
135 DEGRES 3.2 MINUTES OUEST

ELEVATION 870 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 7 15

Z(M)	T(C)
15.2	1.19
30.2	1.41
45.7	1.92
61.3	2.30
76.8	2.70
91.7	3.11
107.6	3.53
122.8	3.91
138.4	4.29
153.9	4.65
169.2	5.07
184.4	5.45
199.3	5.83
215.2	6.05
230.4	6.60
245.7	6.97
261.8	7.36
277.1	7.74
292.6	8.10
307.8	8.47
323.4	8.84
338.6	9.16
353.9	9.51
369.4	9.85
384.7	10.18
399.9	10.48
415.1	10.77
430.7	11.09
446.2	11.45
461.5	11.83
476.4	12.25

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

WHITEHORSE COPPER NS-4

WHITEHORSE COPPER NS-4

EARTH PHYSICS BRANCH NO.

DIRECTION DE LA PHYSIQUE DU GLOBE NO. 122 WHITEHORSE COPPER -2

****

60 DEGREES 45.1 MINUTES NORTH
135 DEGREES 7.9 MINUTES WEST

60 DEGRES 45.1 MINUTES NORD
135 DEGRES 7.9 MINUTES OUEST

ELEVATION 825 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 7 16

Z(M)	T(C)
29.4	2.81
44.2	3.05
58.6	3.28
73.6	3.55
88.3	3.83
102.7	4.11
118.0	4.43
132.2	4.74
147.2	5.09
161.6	5.42
176.7	5.78
191.4	6.13
205.8	6.45
212.9	6.64

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

WHITEHORSE COPPER KK-1

WHITEHORSE COPPER KK-1

HOLE INCLINED 75 DEGREES
DEPTHS HAVE BEEN CONVERTED TO VERTICAL

EARTH PHYSICS BRANCH NO. 122 WHITEHORSE COPPER -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 45.0 MINUTES NORTH
135 DEGREES 11.0 MINUTES WEST

60 DEGRES 45.0 MINUTES NORD
135 DEGRES 11.0 MINUTES OUEST

ELEVATION 885 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
77 11 2

Z(M)	T(C)
13.2	4.51
26.4	1.83
39.6	1.95
52.8	2.18
66.3	2.42
79.2	2.63
92.7	2.86
105.9	3.19
119.1	3.39
132.0	3.65
145.2	3.89
158.6	4.16
171.8	4.42
184.8	4.69
198.0	4.97
211.2	5.24
224.4	5.52
237.6	5.81
251.0	6.09
264.0	6.37
277.4	6.65
290.6	6.94
303.6	7.24
316.7	7.50
329.9	7.77
335.8	7.89

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

WHITEHORSE COPPER WE-73

WHITEHORSE COPPER WE-73

HOLE DIRECTIONALLY DRILLED
DEPTHS HAVE BEEN CONVERTED TO VERTICAL

EARTH PHYSICS BRANCH NO.
139 LOGTUNG -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .5 MINUTES NORTH
131 DEGREES 36.0 MINUTES WEST

60 DEGRES .5 MINUTES NORD
131 DEGRES 36.0 MINUTES OUEST

ELEVATION 1477 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
15.7	2.37
23.7	2.35
30.5	2.37
38.8	2.38
46.2	2.39
53.9	2.51
61.9	3.05
69.6	3.44
76.7	3.63
85.0	3.85
92.4	4.06
100.1	4.28
108.1	4.52
116.1	4.74
122.9	4.90
130.6	5.08
138.6	5.28
146.6	5.54
153.6	5.73

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-77-12
-WELL SPUDDED 77 9 27
-DRILLING FOR 7 DAYS
-TOTAL DEPTH 167 METRES
-DRILLING STOPPED 77 10 3

AMAX LOGTUNG LT-77-12
-DEMARRAGE DU PUITS LE 77 9 27
-FORAGE PENDANT 7 JOURS
-PROFONDEUR TOTALE 167 METRES
-FORAGE ARRETE LE 77 10 3

WATER FLOWING IN TOP OF HOLE

ECOULEMENT D'EAU DANS LA PARTIE SUPERIEURE DU FORAGE

EARTH PHYSICS BRANCH NO.
139 LOGTUNG -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .5 MINUTES NORTH
131 DEGREES 36.4 MINUTES WEST

60 DEGRES .5 MINUTES NORD
131 DEGRES 36.4 MINUTES OUEST

ELEVATION 1575 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
60.4	1.21
75.5	1.46
90.2	1.69
107.5	1.81
120.7	2.51
138.2	2.88
150.6	3.24
166.3	3.62
184.4	3.96
195.9	4.32
211.3	4.72
218.8	4.95

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-17
-WELL SPUDDED 78 7 9
-DRILLING FOR 7 DAYS
-TOTAL DEPTH 260 METRES
-DRILLING STOPPED 78 7 15

AMAX LOGTUNG LT-78-17
-DEMARRAGE DU PUITS LE 78 7 9
-FORAGE PENDANT 7 JOURS
-PROFONDEUR TOTALE 260 METRES
-FORAGE ARRETE LE 78 7 15

EARTH PHYSICS BRANCH NO.
139 LOGTUNG -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .6 MINUTES NORTH
131 DEGREES 36.2 MINUTES WEST

60 DEGRES .6 MINUTES NORD
131 DEGRES 36.2 MINUTES OUEST

ELEVATION 1567 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
29.9	1.00
45.0	1.07
60.4	1.42
75.5	1.81
90.2	2.25
105.9	2.59
120.7	2.92
135.5	3.26
150.9	3.63
166.2	4.02
181.3	4.42
196.1	4.82

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-19
-WELL SPUDDED 78 7 21
-DRILLING FOR 8 DAYS
-TOTAL DEPTH 240 METRES
-DRILLING STOPPED 78 7 28

AMAX LOGTUNG LT-78-19
-DEMARRAGE DU PUITS LE 78 7 21
-FORAGE PENDANT 8 JOURS
-PROFONDEUR TOTALE 240 METRES
-FORAGE ARRETE LE 78 7 28

EARTH PHYSICS BRANCH NO. 139 LOGTUNG -4

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES .7 MINUTES NORTH
131 DEGREES 36.3 MINUTES WEST

60 DEGRES .7 MINUTES NORD
131 DEGRES 36.3 MINUTES OUEST

ELEVATION 1522 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 15

Z(M)	T(C)
22.6	.93
29.9	.98
37.7	1.06
45.3	1.13
52.5	1.21
60.1	1.32
67.9	1.48
75.8	1.62
83.3	1.77
90.2	2.12
97.8	2.39
105.9	2.61
113.1	2.79
120.3	2.99
128.4	3.23
135.5	3.43
143.1	3.63
150.2	3.84
158.0	4.07
165.5	4.27
173.0	4.50
180.5	4.73
186.8	4.96

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMAX LOGTUNG LT-78-20
-WELL SPUDDED 78 7 27
-DRILLING FOR 14 DAYS
-TOTAL DEPTH 209 METRES
-DRILLING STOPPED 78 8 9

AMAX LOGTUNG LT-78-20
-DEMARRAGE DU PUITS LE 78 7 27
-FORAGE PENDANT 14 JOURS
-PROFONDEUR TOTALE 209 METRES
-FORAGE ARRETE LE 78 8 9

EARTH PHYSICS BRANCH NO. 188 RUBY CREEK -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

59 DEGREES 42.7 MINUTES NORTH
133 DEGREES 24.8 MINUTES WEST

59 DEGRES 42.7 MINUTES NORD
133 DEGRES 24.8 MINUTES OUEST

ELEVATION 1559 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
73 8 31

Z(M)	T(C)
15.2	1.15
30.5	.87
45.7	1.07
61.0	1.37
76.2	1.75
91.4	2.12
106.7	2.52
121.9	2.92
137.2	3.34
152.4	3.77
167.6	4.20
182.9	4.64
198.1	5.05
213.4	5.44
228.6	5.92
243.8	6.39
259.1	6.86
274.3	7.33
289.6	7.84
304.8	8.37
320.0	8.84
335.3	9.27

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

ADANAC PROPERTY BOREHOLE 8N 16W

ADANAC PROPERTY BOREHOLE 8N 16W

LITHOLOGY - COARSE ALASKITE TO 575M
FINE ALASKITE TO BOTTOM HOLE

EARTH PHYSICS BRANCH NO.
188 RUBY CREEK -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

59 DEGREES 42.8 MINUTES NORTH
133 DEGREES 24.1 MINUTES WEST

59 DEGRES 42.8 MINUTES NORD
133 DEGRES 24.1 MINUTES OUEST

ELEVATION 1453 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
73 8 31

Z(M)	T(C)
15.2	2.25
30.5	3.18
45.7	3.45
61.0	3.68
76.2	4.02
91.4	4.38
106.7	4.70
121.9	5.08
137.2	5.39
152.4	5.76
167.6	6.16
182.9	6.61
198.1	7.07
213.4	7.51
228.6	7.97
243.8	8.43
259.1	8.90
274.3	9.35
289.6	9.80

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

ADANAC PROPERTY BOREHOLE ON 8E

ADANAC PROPERTY BOREHOLE ON 8E

LITHOLOGY - FINE ALASKITE

EARTH PHYSICS BRANCH NO. 188 RUBY CREEK -3

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

59 DEGREES 42.7 MINUTES NORTH
133 DEGREES 24.3 MINUTES WEST

59 DEGRES 42.7 MINUTES NORD
133 DEGRES 24.3 MINUTES OUEST

ELEVATION 1475 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
73 8 30

Z(M)	T(C)
15.2	2.30
30.5	2.52
39.6	2.88

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

ADANAC PROPERTY BOREHOLE 1N 1W

ADANAC PROPERTY BOREHOLE 1N 1W

LITHOLOGY - FINE ALASKITE

EARTH PHYSICS BRANCH NO.
188 RUBY CREEK -4
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

59 DEGREES 42.7 MINUTES NORTH
133 DEGREES 24.3 MINUTES WEST

59 DEGRES 42.7 MINUTES NORD
133 DEGRES 24.3 MINUTES OUEST

ELEVATION 1475 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
73 8 31

Z(M)	T(C)
15.2	1.33
30.5	1.48
42.7	2.48

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

ADANAC PROPERTY BOREHOLE 2N 2E

ADANAC PROPERTY BOREHOLE 2N 2E

LITHOLOGY - COARSE ALASKITE

EARTH PHYSICS BRANCH NO. 205 KAY POINT -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 15.0 MINUTES NORTH
138 DEGREES 21.7 MINUTES WEST

69 DEGRES 15.0 MINUTES NORD
138 DEGRES 21.7 MINUTES OUEST

ELEVATION 60 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 74 6 5 T(C)	DATE 74 7 3 T(C)	DATE 75 7 13 T(C)	DATE 75 8 18 T(C)	DATE 76 4 2 T(C)
.5	-11.41	-7.95	-7.60	-5.26	-16.61
1.5	-12.13	-9.36	-9.03	-6.73	-14.55
3.0	-11.55	-10.28	-9.99	-8.28	-13.08
6.0	-9.19	-9.47	-9.45	-9.22	-9.06
9.0	-8.51	-8.59	-8.78	-8.84	-8.75
12.0	-8.46	-8.46	-8.59	-8.59	-8.65
15.0	-8.55	-8.55	-8.62	-8.62	-8.67
18.0	-8.57	-8.57	-8.62	-8.62	-8.67
21.0	-8.51	-8.52	-8.54	-8.55	-8.58
24.0	-8.51	-8.52	-8.54	-8.54	-8.56
27.0	-8.54	-8.55	-8.57	-8.57	-8.59
30.0	-8.63	-8.63	-8.65	-8.65	-8.67
33.0	-8.57	-8.59	-8.60	-8.57	-8.61
36.0	-8.60	-8.60	-8.62	-8.61	-8.63
39.0	-8.67	-8.67	-8.68	-8.67	-8.71
42.0	-8.62	-8.63	-8.63	-8.62	-8.66
45.0	-8.62	-8.62	-8.63	-8.60	-8.64
48.0	-8.68	-8.68	-8.70	-8.67	-8.71
51.0	-8.67	-8.68	-8.68	-8.65	-8.68
54.0	-8.65	-8.67	-8.67	-8.65	-8.70
57.0	-8.70	-8.70	-8.70	-8.68	-8.72
60.0	-8.63	-8.65	-8.65	-8.63	-8.67

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 1-74
-DRILLED TO A TOTAL DEPTH OF 60 METRES

KAY POINT 1-74
-FORE A UNE PROFONDEUR TOTALE 60 METRES

DRILLED IN MARCH 1974(UNDISTURBED SITE)

EARTH PHYSICS BRANCH NO. 205 KAY POINT -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 15.1 MINUTES NORTH
138 DEGREES 19.9 MINUTES WEST

69 DEGRES 15.1 MINUTES NORD
138 DEGRES 19.9 MINUTES OUEST

ELEVATION 60 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 74 6 5	DATE 74 7 3	DATE 75 7 13	DATE 75 8 18	DATE 76 4 2	DATE 99 1 1
Z(M)	T(C)	T(C)	T(C)	T(C)	T(C)	T(C)
.5	-10.76	-9.65	-6.32	-4.37	-19.34	-6.41
1.5	-12.41	-9.00	-8.54	-6.50	-17.25	-8.65
3.0	-12.80	-10.78	-10.54	-8.79	-14.06	-10.72
6.0	-10.81	-10.82	-11.05	-10.47	-10.50	-11.25
9.0	-9.25	-9.53	-9.90	-9.96	-9.35	-10.13
12.0	-8.98	-9.03	-9.20	-9.27	-9.26	-9.37
15.0	-9.02	-9.00	-9.08	-9.08	-9.21	-9.21
18.0	-8.91	-8.91	-8.95	-8.92	-9.02	-9.04
21.0	-8.84	-8.86	-8.89	-8.87	-8.97	-8.97
24.0	-8.75	-8.76	-8.79	-8.78	-8.84	-8.85
27.0	-8.67	-8.67	-8.71	-8.68	-8.74	-8.76
30.0	-8.65	-8.63	-8.68	-8.65	-8.71	-8.73
33.0	-8.62	-8.52	-8.65	-8.63	-8.68	-8.71
36.0	-8.70	-8.70	-8.71	-8.70	-8.74	-8.76
39.0	-8.76	-8.76	-8.78	-8.76		-8.82
42.0	-8.63	-8.63	-8.65	-8.63	-8.66	-8.68
45.0	-8.63	-8.63	-8.65	-8.63	-8.67	-8.70
48.0	-8.65	-8.65	-8.67	-8.63	-8.67	-8.70
51.0	-8.67	-8.67	-8.70	-8.67		-8.73
54.0	-8.60	-8.60	-8.62	-8.60	-8.63	-8.65
57.0	-8.57	-8.57	-8.59	-8.57		-8.62
60.0	-8.60	-8.60	-8.62	-8.60	-8.62	-8.65

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 2-74
-DRILLED TO A TOTAL DEPTH OF 60 METRES

KAY POINT 2-74
-FORE A UNE PROFONDEUR TOTALE 60 METRES

DRILLED IN MARCH 1974(COASTAL CLIFF SITE)

EARTH PHYSICS BRANCH NO. 205 KAY POINT -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 17.5 MINUTES NORTH
138 DEGREES 23.2 MINUTES WEST

69 DEGRES 17.5 MINUTES NORD
138 DEGRES 23.2 MINUTES OUEST

ELEVATION 10 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 5 2

Z(M)	T(C)
4.6	-12.40
6.1	-12.36
9.1	-11.02
12.2	-9.92
15.2	-9.48
18.3	-9.12
21.3	-8.94
24.4	-8.84
27.4	-8.72
30.2	-8.66

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 1-76
-WELL SPUDDED 76 3 27
-DRILLED TO A TOTAL DEPTH OF 32 METRES

KAY POINT 1-76
-DEMARRAGE DU PUITS LE 76 3 27
-FORE A UNE PROFONDEUR TOTALE 32 METRES

POLYGONS FLANKING COASTLINE

EARTH PHYSICS BRANCH NO. 205 KAY POINT -4
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 16.4 MINUTES NORTH
138 DEGREES 21.2 MINUTES WEST

69 DEGRES 16.4 MINUTES NORD
138 DEGRES 21.2 MINUTES OUEST

ELEVATION 30 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 5 2

Z(M)	T(C)
6.1	-10.36
8.8	-9.82
12.2	-9.10
15.2	-8.82
18.3	-8.64
21.0	-8.54

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 2-76
-WELL SPUDDED 76 3 27
-DRILLED TO A TOTAL DEPTH OF 30 METRES

KAY POINT 2-76
-DEMARRAGE DU PUITS LE 76 3 27
-FORE A UNE PROFONDEUR TOTALE 30 METRES

HUMMOCK TUNDRA ABOVE MATURE AND ACTIVE MUDSLUMPS

EARTH PHYSICS BRANCH NO. 205 KAY POINT -5
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 16.1 MINUTES NORTH
138 DEGREES 24.4 MINUTES WEST

69 DEGRES 16.1 MINUTES NORD
138 DEGRES 24.4 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 5 2		DATE 76 7 12	
Z(M)	T(C)	Z(M)	T(C)
6.1	-11.30	6.1	-9.94
9.4	-10.01	7.6	-10.05
12.2	-8.92	9.1	-9.84
15.2	-8.68	10.7	-9.52
18.3	-8.47	12.2	-9.18
21.3	-8.27	13.7	-8.98
24.4	-8.07	14.9	-8.71
27.4	-8.01	18.3	-8.39
30.8	-7.94	21.3	-8.22
		24.7	-8.11
		27.7	-7.98
		29.9	-7.93

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 5-76
-WELL SPUDDED 76 3 31
-DRILLED TO A TOTAL DEPTH OF 32 METRES

KAY POINT 5-76
-DEMARRAGE DU PUITS LE 76 3 31
-FORE A UNE PROFONDEUR TOTALE 32 METRES

HUMMOCK TUNDRA ON CLIFF ABOVE ESTUARY

EARTH PHYSICS BRANCH NO. 205 KAY POINT -6

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 13.6 MINUTES NORTH
138 DEGREES 25.6 MINUTES WEST

69 DEGRES 13.6 MINUTES NORD
138 DEGRES 25.6 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 5 2

Z(M)	T(C)
6.4	-8.65
9.4	-7.90
12.5	-7.67
14.9	-7.49
18.0	-7.43
21.0	-7.35
24.1	-7.26
27.7	-7.23
30.8	-7.21

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 7-76
-WELL SPUDDED 76 4 1
-DRILLED TO A TOTAL DEPTH OF 32 METRES

KAY POINT 7-76
-DEMARRAGE DU PUITS LE 76 4 1
-FORE A UNE PROFONDEUR TOTALE 32 METRES

BABBAGE RIVER DELTA PLAIN

EARTH PHYSICS BRANCH NO. 205 KAY POINT -7
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 12.8 MINUTES NORTH
138 DEGREES 23.1 MINUTES WEST

69 DEGRES 12.8 MINUTES NORD
138 DEGRES 23.1 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 5 2

Z(M)	T(C)
6.1	-8.63
9.4	-7.90
12.2	-7.24
14.9	-7.24

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 8-76
-WELL SPUDDED 76 4 1
-DRILLED TO A TOTAL DEPTH OF 32 METRES

KAY POINT 8-76
-DEMARRAGE DU PUITS LE 76 4 1
-FORE A UNE PROFONDEUR TOTALE 32 METRES

BABBAGE RIVER DELTA PLAIN

EARTH PHYSICS BRANCH NO. 205 KAY POINT -8
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 11.8 MINUTES NORTH
138 DEGREES 20.2 MINUTES WEST

69 DEGRES 11.8 MINUTES NORD
138 DEGRES 20.2 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 7 12

Z(M)	T(C)
9.1	-6.01
10.7	-5.99
12.2	-5.60
13.7	-5.68
15.2	-5.56
16.5	-5.49
17.4	-5.31

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 9-76
-WELL SPUDDED 76 4 1
-DRILLED TO A TOTAL DEPTH OF 18 METRES

KAY POINT 9-76
-DEMARRAGE DU PUITS LE 76 4 1
-FORE A UNE PROFONDEUR TOTALE 18 METRES

BABBAGE RIVER DELTA. ALLUVIAL PLAIN ABOVE HIGH STORM TIDE LEVEL.

EARTH PHYSICS BRANCH NO. 205 KAY POINT -9
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 14.0 MINUTES NORTH
138 DEGREES 24.5 MINUTES WEST

69 DEGRES 14.0 MINUTES NORD
138 DEGRES 24.5 MINUTES OUEST

ELEVATION 5 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 5 2		DATE 76 7 12	
Z(M)	T(C)	Z(M)	T(C)
12.2	-8.57	9.1	-4.76
15.2	-8.56	10.7	-4.82
18.3	-8.43	12.2	-4.99
21.6	-8.32	13.7	-5.09
24.7	-8.20	15.2	-7.95
27.7	-8.16	16.8	-8.33
30.2	-8.12	18.3	-8.34
		21.3	-8.27
		24.4	-8.20
		27.4	-8.13
		29.9	-8.09

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 11-76
-WELL SPUDDED 76 4 1
-DRILLED TO A TOTAL DEPTH OF 30 METRES

KAY POINT 11-76
-DEMARRAGE DU PUITS LE 76 4 1
-FORE A UNE PROFONDEUR TOTALE 30 METRES

BABBAGE RIVER DELTA

EARTH PHYSICS BRANCH NO. 205 KAY POINT -10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

69 DEGREES 15.2 MINUTES NORTH
138 DEGREES 30.2 MINUTES WEST

69 DEGRES 15.2 MINUTES NORD
138 DEGRES 30.2 MINUTES OUEST

ELEVATION 0 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
76 5 2

Z(M)	T(C)
3.0	-4.33
6.1	-3.89
9.1	-4.43
12.2	-4.64
15.2	-4.79
18.3	-4.90
21.3	-4.90
24.4	-5.03
27.4	-4.99
30.5	-5.01

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE

KAY POINT 15-76
-WELL SPUDDED 76 4 3
-DRILLED TO A TOTAL DEPTH OF 32 METRES

KAY POINT 15-76
-DEMARRAGE DU PUITS LE 76 4 3
-FORE A UNE PROFONDEUR TOTALE 32 METRES

SUBSEA DRILLHOLE BETWEEN NIAKOLIK AND SPIT ISLAND

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 31.6 MINUTES NORTH
140 DEGREES 56.9 MINUTES WEST

62 DEGRES 31.6 MINUTES NORD
140 DEGRES 56.9 MINUTES OUEST

ELEVATION 686 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 25		DATE 79 7 25	
Z(M)	T(C)	Z(M)	T(C)
.6	-1.72	1.6	-1.00
1.5	-1.22	2.1	-1.42
3.0	-1.46	2.6	-1.83
4.6	-2.10	3.1	-2.06
6.1	-2.48	3.6	-2.28
		4.1	-2.42
		4.6	-2.55
		5.1	-2.64
		5.6	-2.71
		6.1	-2.75
		6.2	-2.63

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPPENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-A-3
-WELL SPUDDED 78 8 9
-DRILLING FOR 1 DAYS
-TOTAL DEPTH 7 METRES
-DRILLING STOPPED 78 8 9

FOOTHILLS 78-A-3
-DEMARRAGE DU PUITS LE 78 8 9
-FORAGE PENDANT 1 JOURS
-PROFONDEUR TOTALE 7 METRES
-FORAGE ARRETE LE 78 8 9

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO.
226 ALCAN FOOTHILLS -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 17.5 MINUTES NORTH
140 DEGREES 46.1 MINUTES WEST

62 DEGRES 17.5 MINUTES NORD
140 DEGRES 46.1 MINUTES OUEST

ELEVATION 747 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 25		DATE 79 7 25	
Z(M)	T(C)	Z(M)	T(C)
1.5	-2.39	.8	-.20
3.0	-1.77	1.3	-.73
4.6	-1.63	1.8	-1.08
6.1	-1.79	2.3	-1.42
7.0	-1.88	2.8	-1.66
		3.3	-1.83
		3.8	-1.94
		4.3	-2.01
		4.8	-2.07
		5.3	-2.11
		5.8	-2.12
		6.3	-2.13
		6.8	-2.12
		7.3	-2.11
		7.4	-2.09

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-A-8
-WELL SPUDDED 78 8 5
-DRILLING FOR 1 DAYS
-TOTAL DEPTH 8 METRES
-DRILLING STOPPED 78 8 5

FOOTHILLS 78-A-8
-DEMARRAGE DU PUITS LE 78 8 5
-FORAGE PENDANT 1 JOURS
-PROFONDEUR TOTALE 8 METRES
-FORAGE ARRETE LE 78 8 5

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -3

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 35.6 MINUTES NORTH
139 DEGREES 27.1 MINUTES WEST

61 DEGRES 35.6 MINUTES NORD
139 DEGRES 27.1 MINUTES OUEST

ELEVATION 747 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 23		DATE 79 7 24	
Z(M)	T(C)	Z(M)	T(C)
.3	-2.04	.7	.71
1.5	-1.41	1.2	-.38
3.0	-1.45	1.7	-.95
4.6	-1.69	2.2	-1.20
5.5	-1.73	2.7	-1.71
		3.2	-1.85
		3.7	-1.97
		4.2	-2.03
		4.7	-2.07
		5.2	-2.07
		5.7	-2.07
		6.0	-2.07

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-B-28
-WELL SPUDDED 78 8 14
-DRILLING FOR 1 DAYS
-TOTAL DEPTH 8 METRES
-DRILLING STOPPED 78 8 14

FOOTHILLS 78-B-28
-DEMARRAGE DU PUITS LE 78 8 14
-FORAGE PENDANT 1 JOURS
-PROFONDEUR TOTALE 8 METRES
-FORAGE ARRETE LE 78 8 14

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -4

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 26.7 MINUTES NORTH
139 DEGREES 14.0 MINUTES WEST

61 DEGRES 26.7 MINUTES NORD
139 DEGRES 14.0 MINUTES OUEST

ELEVATION 820 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 26		DATE 79 7 26	
Z(M)	T(C)	Z(M)	T(C)
1.5	-.35	1.2	.43
3.0	-.60	1.7	-.52
4.6	-.74	2.2	-.65
6.1	-.76	2.7	-.71
7.6	-.74	3.2	-.76
7.9	-.72	3.7	-.78
		4.2	-.79
		4.7	-.79
		5.2	-.79
		5.7	-.77
		6.2	-.76
		6.7	-.75
		7.2	-.73
		7.7	-.73
		8.2	-.59
		8.5	-.22

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-A-55
-WELL SPUDDED 78 8 16
-DRILLING FOR 1 DAYS
-TOTAL DEPTH 9 METRES
-DRILLING STOPPED 78 8 16

FOOTHILLS 78-A-55
-DEMARRAGE DU PUITS LE 78 8 16
-FORAGE PENDANT 1 JOURS
-PROFONDEUR TOTALE 9 METRES
-FORAGE ARRETE LE 78 8 16

ENLARGED CLEARING AT OLD PIPELINE

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -5

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 16.1 MINUTES NORTH
138 DEGREES 50.3 MINUTES WEST

61 DEGRES 16.1 MINUTES NORD
138 DEGRES 50.3 MINUTES OUEST

ELEVATION 823 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 22		DATE 79 7 26	
Z(M)	T(C)	Z(M)	T(C)
1.5	-1.32	1.0	-.09
3.0	-1.23	1.5	-.56
4.6	-1.43	2.0	-.88
6.1	-1.57	2.5	-1.13
7.3	-1.63	3.0	-1.33
		3.5	-1.51
		4.0	-1.62
		4.5	-1.69
		5.0	-1.77
		5.5	-1.80
		6.0	-1.82
		6.5	-1.82
		7.0	-1.82
		7.5	-1.82
		8.0	-1.82
		8.5	-1.80
		9.0	-1.61

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-A-62
- -WELL SPUDDED 78 8 19
- -DRILLING FOR 1 DAYS
- -TOTAL DEPTH 9 METRES
- -DRILLING STOPPED 78 8 19

FOOTHILLS 78-A-62
- -DEMARRAGE DU PUITS LE 78 8 19
- -FORAGE PENDANT 1 JOURS
- -PROFONDEUR TOTALE 9 METRES
- -FORAGE ARRETE LE 78 8 19

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO.
226 ALCAN FOOTHILLS -6
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

51 DEGREES 14.4 MINUTES NORTH
138 DEGREES 46.8 MINUTES WEST

61 DEGRES 14.4 MINUTES NORD
138 DEGRES 46.8 MINUTES OUEST

ELEVATION 845 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 78 11 22		DATE 79 7 26	
Z(M)	T(C)	Z(M)	T(C)
1.5	-1.53	4.1	-.65
3.0	-1.16	4.6	-.78
4.6	-.93	5.1	-.83
6.1	-.89	5.6	-.88
7.6	-.86	6.1	-.91
8.2	-.71	6.6	-.83
		7.1	-.92
		7.6	-.83
		8.1	-.81
		8.6	-.80
		9.0	-.77

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 78-A-64
-WELL SPUDDED 78 8 20
-DRILLING FOR 1 DAYS
-TOTAL DEPTH 9 METRES
-DRILLING STOPPED 78 8 20

FOOTHILLS 78-A-64
-DEMARRAGE DU PUITS LE 78 8 20
-FORAGE PENDANT 1 JOURS
-PROFONDEUR TOTALE 9 METRES
-FORAGE ARRETE LE 78 8 20

SITE HAD BEEN CLEARED IN PAST

EARTH PHYSICS BRANCH NO.
226 ALCAN FOOTHILLS -7
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 42.9 MINUTES NORTH
139 DEGREES 50.3 MINUTES WEST

61 DEGRES 42.9 MINUTES NORD
139 DEGRES 50.3 MINUTES OUEST

ELEVATION 780 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 23

Z(M)	T(C)
1.5	-1.46
3.0	-.90

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-39
-DRILLED TO A TOTAL DEPTH OF 3 METRES

FOOTHILLS 78-A-39
-FORE A UNE PROFONDEUR TOTALE 3 METRES

DRILLED IN AUGUST 1978
SITE HAD BEEN CLEARED IN PAST

EARTH PHYSICS BRANCH NO.
226 ALCAN FOOTHILLS -8
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 42.8 MINUTES NORTH
139 DEGREES 50.1 MINUTES WEST

61 DEGRES 42.8 MINUTES NORD
139 DEGRES 50.1 MINUTES OUEST

ELEVATION 780 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 23

Z(M)	T(C)
1.5	-.51
3.0	-.61
4.6	-.61
6.1	-.98
7.3	-1.47

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-40
-DRILLED TO A TOTAL DEPTH OF 7 METRES

FOOTHILLS 78-A-40
-FORE A UNE PROFONDEUR TOTALE 7 METRES

DRILLED IN AUGUST 1978
TOP 3 READINGS IN AIR
SITE HAD BEEN CLEARED IN PAST

EARTH PHYSICS BRANCH NO.
226 ALCAN FOOTHILLS -9
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 40.5 MINUTES NORTH
139 DEGREES 43.7 MINUTES WEST

61 DEGRES 40.5 MINUTES NORD
139 DEGRES 43.7 MINUTES OUEST

ELEVATION 716 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 23

Z(M)	T(C)
1.5	-1.74
3.0	-1.23
4.6	-1.02
4.9	-1.02

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-8-25
-DRILLED TO A TOTAL DEPTH OF 5 METRES

FOOTHILLS 78-8-25
-FORE A UNE PROFONDEUR TOTALE 5 METRES

DRILLED IN AUGUST 1978
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -10

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 30.4 MINUTES NORTH
139 DEGREES 19.4 MINUTES WEST

61 DEGRES 30.4 MINUTES NORD
139 DEGRES 19.4 MINUTES OUEST

ELEVATION 777 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 23

Z(M)	T(C)
1.5	-.89
3.0	-.89
5.5	-2.65
7.3	-2.27
8.5	-1.91

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-51
-DRILLED TO A TOTAL DEPTH OF 9 METRES

FOOTHILLS 78-A-51
-FORE A UNE PROFONDEUR TOTALE 9 METRES

DRILLED IN AUGUST 1978
TOP 2 READINGS IN AIR
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -11

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 14.9 MINUTES NORTH
138 DEGREES 47.7 MINUTES WEST

61 DEGRES 14.9 MINUTES NORD
138 DEGRES 47.7 MINUTES OUEST

ELEVATION 823 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 22

Z(M)	T(C)
.3	-.77
1.5	-.23
3.0	-.59
4.0	-1.43
4.6	-1.51

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-63
-DRILLED TO A TOTAL DEPTH OF 5 METRES

FOOTHILLS 78-A-63
-FORE A UNE PROFONDEUR TOTALE 5 METRES

DRILLED IN AUGUST 1978
TOP 3 READINGS IN AIR
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -12

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 54.9 MINUTES NORTH
137 DEGREES 52.3 MINUTES WEST

60 DEGRES 54.9 MINUTES NORD
137 DEGRES 52.3 MINUTES OUEST

ELEVATION 840 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 26

Z(M)	T(C)
1.5	.23
3.0	.15
4.6	.17
6.1	.15
7.6	.16
8.8	.01

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-71
-DRILLED TO A TOTAL DEPTH OF 9 METRES

FOOTHILLS 78-A-71
-FORE A UNE PROFONDEUR TOTALE 9 METRES

DRILLED IN AUGUST 1978
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -13
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 50.9 MINUTES NORTH
136 DEGREES 59.2 MINUTES WEST

60 DEGRES 50.9 MINUTES NORD
136 DEGRES 59.2 MINUTES OUEST

ELEVATION 698 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 26

Z(M)	T(C)
1.8	1.24
3.0	1.53
4.6	1.52
6.1	1.51
7.3	-.12

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-B-43
-DRILLED TO A TOTAL DEPTH OF 8 METRES

FOOTHILLS 78-B-43
-FORE A UNE PROFONDEUR TOTALE 8 METRES

DRILLED IN AUGUST 1978
HOLE IS AIR FILLED
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 226 ALCAN FOOTHILLS -14

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 48.9 MINUTES NORTH
136 DEGREES 41.9 MINUTES WEST

60 DEGRES 48.9 MINUTES NORD
136 DEGRES 41.9 MINUTES OUEST

ELEVATION 750 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
78 11 21

Z(M)	T(C)
1.5	.95
3.0	1.99
4.6	1.34
6.1	1.25

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

FOOTHILLS 78-A-75
-DRILLED TO A TOTAL DEPTH OF 6 METRES

FOOTHILLS 78-A-75
-FORE A UNE PROFONDEUR TOTALE 6 METRES

DRILLED IN AUGUST 1978
HOLE IS AIR FILLED
SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 231 FOOTHILLS CS -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 48.8 MINUTES NORTH
137 DEGREES 25.7 MINUTES WEST

60 DEGRES 48.8 MINUTES NORD
137 DEGRES 25.7 MINUTES OUEST

ELEVATION 671 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 79 10 26	DATE 80 2 1	DATE 80 4 28	DATE 80 8 7	DATE 81 7 30
Z(M)	T(C)	T(C)	T(C)	T(C)	T(C)
.9	.02	-.33	-.67	2.73	2.72
2.5	-.30	-.27	-.32	-.42	.67
4.0	-.59	-.43	-.37	-.50	-.39
5.5	-.62	-.45	-.37	-.40	-.42
7.0	-.48	-.39	-.32	-.29	-.22
8.6	-.15	-.22	-.24	-.34	
10.1	-.09	-.15	-.17	-.14	-.11
11.6	.13	.05	-.03	-.04	
13.1	.20	.17	.16	.17	.18
14.7	.40	.33	.20	-.06	.03
16.2	.43	.26	-.10	-.80	
17.7	.61	.56	.44	-.02	
19.2	.61	.56	.53	.48	.31
20.8	.76	.63	.37	-.20	
22.3	.74	.66	.61	.57	.49
23.8	.87	.73	.54	.02	
25.3	.99	.95	.83	.63	.11
26.9	1.10	.99	.85	.33	
28.4	1.17	1.13	1.09	.96	.23

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 79-CS4, PINE LAKE
-WELL SPUDDED 79 8 1
-DRILLING FOR 3 DAYS
-TOTAL DEPTH 30 METRES
-DRILLING STOPPED 79 8 3

FOOTHILLS 79-CS4, PINE LAKE
-DEMARRAGE DU PUITS LE 79 8 1
-FORAGE PENDANT 3 JOURS
-PROFONDEUR TOTALE 30 METRES
-FORAGE ARRETE LE 79 8 3

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO.

231 FOOTHILLS CS -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 47.8 MINUTES NORTH
135 DEGREES 56.7 MINUTES WEST

60 DEGRES 47.8 MINUTES NORD
135 DEGRES 56.7 MINUTES OUEST

ELEVATION 686 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 79 10 26 T(C)	DATE 80 2 1 T(C)	DATE 80 4 28 T(C)	DATE 80 8 7 T(C)	DATE 81 7 30 T(C)
.6				9.21	
2.2	4.81	.60	-.77	3.07	1.54
3.7	3.30	1.26	-1.39	-2.74	-3.50
5.2	1.46	1.47	1.42	1.24	1.20
6.7	1.58	1.93	1.87	1.59	1.59
8.3				1.14	.87
9.8	1.47	1.43	1.39		
11.3	1.53	1.51	1.54	1.59	1.62
12.8	1.57	1.41	1.31	1.29	1.29
14.4	1.60	1.48	1.39	1.28	.78
15.9	1.55	1.52	1.51	1.50	1.45
17.4				1.32	.88
18.9	1.62	1.41	1.18	1.13	.87
20.5				1.26	
22.0	1.70	1.68	1.68	1.64	1.53
23.5				1.64	1.25
25.0	1.67	1.49	1.32	1.09	
26.6				1.77	1.63
28.1	1.87	1.85	1.84	1.83	1.80

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 79-CS-5, TAKHINI RIVER
-WELL SPUDDED 79 8 8
-DRILLING FOR 2 DAYS
-TOTAL DEPTH 30 METRES
-DRILLING STOPPED 79 8 9

FOOTHILLS 79-CS-5, TAKHINI RIVER
-DEMARRAGE DU PUITS LE 79 8 8
-FORAGE PENDANT 2 JOURS
-PROFONDEUR TOTALE 30 METRES
-FORAGE ARRETE LE 79 8 9

SITE IS A NATURAL CLEARING

EARTH PHYSICS BRANCH NO.

231 FOOTHILLS CS -3

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 35.0 MINUTES NORTH
134 DEGREES 37.5 MINUTES WEST

61 DEGRES 35.0 MINUTES NORD
134 DEGRES 37.5 MINUTES OUEST

ELEVATION 686 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 79 10 26	DATE 80 2 1	DATE 80 4 28	DATE 80 8 7	DATE 81 2 14	DATE 81 8 2
Z(M)	T(C)	T(C)	T(C)	T(C)	T(C)	T(C)
.2	.02	-.35	-.78	-.10	-1.49	1.77
1.8	-.16	-.17	-.18	-.17	-.07	1.09
3.3	-.14	-.23	-.32	-.41	-.27	-.17
4.8	-.01	-.07	-.14	-.20	-.32	-.35
6.3	.05	.04	.04		.20	.12
7.9	.17	.14	.14	.14	.07	.20
9.4	.30	.20	.15	.13	.15	.10
10.9	.37	.27	.15	.01	.02	-.10
12.4	.53	.50	.50	.50	.44	.53
14.0	.68	.64	.63	.63	.56	.65
15.5	.80	.74	.72	.72	.69	.68
17.0	.95	.93	.92	.93	.83	.94
18.5	1.03	.99	.96	.93	.89	.70

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

FOOTHILLS 79-CS-6, MARSH LAKE
-WELL SPUDDED 79 8 12
-DRILLING FOR 3 DAYS
-TOTAL DEPTH 22 METRES
-DRILLING STOPPED 79 8 14

FOOTHILLS 79-CS-6, MARSH LAKE
-DEMARRAGE DU PUITS LE 79 8 12
-FORAGE PENDANT 3 JOURS
-PROFONDEUR TOTALE 22 METRES
-FORAGE ARRETE LE 79 8 14

SITE WAS CLEARED FOR DRILLING

EARTH PHYSICS BRANCH NO. 232 MONENCO -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES .9 MINUTES NORTH
136 DEGREES 49.0 MINUTES WEST

62 DEGRES .9 MINUTES NORD
136 DEGRES 49.0 MINUTES OUEST

ELEVATION 576 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 79 11 6	DATE 80 8 13	DATE 81 8 12
Z(M)	T(C)	T(C)	T(C)
1.5	1.17	5.57	5.56
3.0	.74	1.19	1.66
6.1	.09	-.30	-.66
9.1	.35	-.09	
12.2	.55	.43	.49
15.2	.68	.38	-.17
18.3	.69	.41	.25
21.3	.91	.79	.73
24.4	1.07	-.41	
27.4	1.25	1.08	.85

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

MONENCO E-79-2, EAGLE'S NEST BLUFF
-WELL SPUDDED 79 7 29
-DRILLING FOR 4 DAYS
-TOTAL DEPTH 55 METRES
-DRILLING STOPPED 79 8 2

MONENCO E-79-2, EAGLE'S NEST BLUFF
-DEMARRAGE DU PUITS LE 79 7 29
-FORAGE PENDANT 4 JOURS
-PROFONDEUR TOTALE 55 METRES
-FORAGE ARRETE LE 79 8 2

EARTH PHYSICS BRANCH NO.
232 MONENCO -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 17.5 MINUTES NORTH
136 DEGREES 14.5 MINUTES WEST

62 DEGRES 17.5 MINUTES NORD
136 DEGRES 14.5 MINUTES OUEST

ELEVATION 578 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 80 8 12	DATE 79 11 11	DATE 81 8 12
Z(M)	T(C)	T(C)	T(C)
1.5	9.91	3.73	9.03
3.0	6.71	5.73	1.53
6.1	2.69	3.86	2.77
9.1	3.06	3.14	3.19
12.2	2.89	3.21	
15.2	3.39	3.39	3.22
18.3		3.53	
21.3	3.52	3.69	3.41
24.4	3.15	3.82	
27.4	3.80	3.94	3.76

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

MONENCO T-79-1, TATCHUN RIVER SITE
-WELL SPUDDED 79 8 16
-DRILLING FOR 2 DAYS
-TOTAL DEPTH 37 METRES
-DRILLING STOPPED 79 8 18

MONENCO T-79-1, TATCHUN RIVER SITE
-DEMARRAGE DU PUITS LE 79 8 16
-FORAGE PENDANT 2 JOURS
-PROFONDEUR TOTALE 37 METRES
-FORAGE ARRETE LE 79 8 18

EARTH PHYSICS BRANCH NO.

232 MONENCO -3

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 20.3 MINUTES NORTH
136 DEGREES 22.6 MINUTES WEST

62 DEGRES 20.3 MINUTES NORD
136 DEGRES 22.6 MINUTES OUEST

ELEVATION 547 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

Z(M)	DATE 80 8 12 T(C)	DATE 81 8 12 T(C)
3.0	-.33	.40
6.1	-.08	-.01
9.1	-.65	
12.2	-.17	-.90
15.2	-.50	-.74
18.3	.17	-.82

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

MONENCO R-79-18 RINK RAPIDS
-WELL SPUDDED 79 8 21
-DRILLING FOR 3 DAYS
-TOTAL DEPTH 32 METRES
-DRILLING STOPPED 79 8 23

MONENCO R-79-18 RINK RAPIDS
-DEMARRAGE DU PUITS LE 79 8 21
-FORAGE PENDANT 3 JOURS
-PROFONDEUR TOTALE 32 METRES
-FORAGE ARRETE LE 79 8 23

EARTH PHYSICS BRANCH NO. 276 ULU A-35

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 44.0 MINUTES NORTH
135 DEGREES 52.9 MINUTES WEST

68 DEGRES 44.0 MINUTES NORD
135 DEGRES 52.9 MINUTES OUEST

ELEVATION 3 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 76 10 18		DATE 77 3 19		DATE 78 4 13		DATE 78 7 21	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.2	3.10	30.8	-3.21	15.5	-.61	15.5	-.80
30.5	4.01	61.0	.90	30.5	-.35	30.5	-.48
60.7	6.72	91.4	3.34	45.7	-.27	45.7	-.39
91.4	8.86	121.9	5.09	61.3	.01	61.3	-.13
121.6	10.58	152.4	6.28	75.9	.34	76.2	-.15
152.4	11.33			91.4	1.47	91.7	1.38
				107.0	2.29	106.7	2.17
				121.9	3.10	121.9	2.90
				137.2	3.61	137.5	3.42
				152.4	4.41	152.7	4.33
				167.0	4.83	167.6	4.72

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

SHELL ULU A-35
-WELL SPUDDED 76 3 15
-DRILLING FOR 189 DAYS
-TOTAL DEPTH 3920 METRES
-DRILLING STOPPED 76 9 20

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

SHELL ULU A-35
-DEMARRAGE DU PUITS LE 76 3 15
-FORAGE PENDANT 189 JOURS
-PROFONDEUR TOTALE 3920 METRES
-FORAGE ARRETE LE 76 9 20

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 45.3 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 45.3 MINUTES OUEST

ELEVATION 1500 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 79 7 29		DATE 80 8 11		DATE 81 8 1	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
39.0	1.39	45.7	1.27	15.5	5.09
58.0	1.51	61.0	1.35	31.2	3.45
78.0	1.67	76.2	1.50	46.4	1.25
95.0	1.82	91.1	1.64	61.8	1.35
111.0	2.03	106.3	1.83	77.2	1.50
126.0	2.24	122.2	2.02	93.0	1.64
138.0	2.50	137.1	2.29	108.1	1.84
152.0	2.87	152.6	2.80	123.5	2.02
169.0	3.27	159.9	2.95	139.3	2.24
184.0	3.55	167.5	3.10	154.4	2.74
199.0	3.85	175.1	3.24	170.1	3.11
216.0	4.17	182.7	3.37	185.1	3.55
229.0	4.43	190.4	3.54	203.7	3.71
245.0	4.74	198.3	3.70	215.6	4.00
259.0	5.04	206.1	3.85	230.9	4.30
275.0	5.34	213.0	3.98	245.9	4.61
289.0	5.66	220.8	4.14	261.4	4.92
306.0	5.96	228.4	4.29	276.4	5.23
320.0	6.24	235.3	4.43	291.9	5.54
331.0	6.48	243.1	4.59	307.2	5.83
348.0	6.85	251.3	4.75	322.1	6.14
363.0	7.12	258.2	4.89	336.7	6.46
376.0	7.41	265.7	5.05	351.4	6.76
391.0	7.72	273.5	5.22	366.0	7.06
405.0	8.01	280.8	5.37	380.2	7.35
420.0	8.31	288.3	5.50	394.7	7.64
434.0	8.60	296.1	5.68	409.0	7.94
448.0	8.88	303.3	5.82	423.5	8.26
461.0	9.16	311.2	5.97	438.3	8.55
475.0	9.43	318.4	6.12	451.9	8.84
488.0	9.72	325.1	6.28		
502.0	9.98	332.0	6.41		
516.0	10.08	339.8	6.57		
524.0	10.25	346.6	6.72		
		353.8	6.86		
		361.0	7.01		
		368.1	7.14		
		375.6	7.31		
		382.7	7.46		

396.8	7.76
403.9	7.92
411.1	8.07
418.2	8.22
425.1	8.37
432.3	8.52
440.0	8.67
446.5	8.81
453.7	8.94
460.0	9.08
466.5	9.22
473.2	9.28
480.5	9.34

TEMPERATURE RESULTS ARE OBTAINED
FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS
ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-79-6
-WELL SPUDDED 79 6 10
-DRILLING FOR 19 DAYS
-TOTAL DEPTH 618 METRES
-DRILLING STOPPED 79 6 28

WELL DIRECTIONALLY DRILLED. DEPTHS IN
TABLES HAVE BEEN CONVERTED TO VERTICAL.

TEMPERATURES OBTENUES A PARTIR DE
SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES
SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-79-6
-DEMARRAGE DU PUITS LE 79 6 10
-FORAGE PENDANT 19 JOURS
-PROFONDEUR TOTALE 618 METRES
-FORAGE ARRETE LE 79 6 28

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES
TABLES ONT ETE RAMENEES A LA
VERTICALE.

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.7 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1436 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 10		DATE 80 8 11		DATE 81 7 31	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.6	1.53	22.9	1.52	16.1	1.78
30.2	1.64	30.8	1.65	30.9	1.51
46.0	1.89	38.1	1.76	46.7	1.60
61.3	2.11	45.4	1.87	61.8	1.82
76.2	2.34	53.4	1.99	77.3	2.20
91.5	2.60	60.7	2.10	92.7	2.47
107.0	2.86	68.6	2.21	108.5	2.73
121.9	3.06	76.2	2.34	123.7	2.97
137.2	3.31	83.8	2.46	139.4	3.23
152.4	3.56	91.8	2.60	154.6	3.48
167.7	3.83	99.4	2.82	170.0	3.76
182.9	4.10	107.0	2.86	185.8	4.04
198.2	4.38	114.3	2.94	200.9	4.32
213.1	4.66	121.9	3.06	216.1	4.60
228.6	4.95	129.6	3.19	231.7	4.90
243.9	5.24	136.9	3.30	247.0	5.19
259.1	5.55	144.8	3.43	263.1	5.51
274.1	5.86	152.1	3.55	278.2	5.83
289.3	6.17	160.0	3.68	294.0	6.15
304.5	6.47	167.7	3.82	309.1	6.46
		175.3	3.96		
		182.9	4.10		
		190.5	4.24		
		197.8	4.37		
		205.8	4.52		
		213.4	4.66		
		221.3	4.80		
		228.3	4.94		
		236.0	5.08		
		243.6	5.23		
		251.2	5.38		
		259.4	5.55		
		267.0	5.71		
		274.7	5.86		
		282.0	6.02		
		289.6	6.17		
		297.5	6.33		
		304.8	6.47		
		312.2	6.61		

FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS
ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-80-16A
-WELL SPUDDED 80 5 27
-DRILLING FOR 22 DAYS
-TOTAL DEPTH 501 METRES
-DRILLING STOPPED 80 6 15

SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES
SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-16A
-DEMARRAGE DU PUITS LE 80 5 27
-FORAGE PENDANT 22 JOURS
-PROFONDEUR TOTALE 501 METRES
-FORAGE ARRETE LE 80 6 15

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -3

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.8 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.8 MINUTES OUEST

ELEVATION 1502 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 10		DATE 81 8 1	
Z(M)	T(C)	Z(M)	T(C)
91.8	1.95	23.5	3.65
107.0	2.18	30.9	3.21
122.0	2.84	38.6	2.90
137.5	2.70	47.3	2.56
152.4	2.89	61.8	2.30
167.4	3.15	69.6	2.15
182.6	3.67	77.0	2.08
197.9	4.08	85.3	1.04
213.4	4.03	92.7	1.16
228.4	4.28	100.8	1.30
243.6	4.58	108.2	1.45
258.8	4.92	115.9	1.62
274.1	5.13	123.3	1.78
289.6	5.45	131.0	1.92
304.9	5.74		
320.1	6.03		
335.4	6.32		
350.6	6.63		
365.9	6.93		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-17A
-WELL SPUDDED 80 6 6
-DRILLING FOR 57 DAYS
-TOTAL DEPTH 1059 METRES
-DRILLING STOPPED 80 8 1

AMOCO RED MOUNTAIN RMY-80-17A
-DEMARRAGE DU PUITS LE 80 6 6
-FORAGE PENDANT 57 JOURS
-PROFONDEUR TOTALE 1059 METRES
-FORAGE ARRETE LE 80 8 1

1981 LOG DISTURBED BY WATER FLOW FROM NEARBY DRILLING.

SONDAGE DE 1981 PERTURBE PAR ECOULEMENT D,EAU DU FORAGE D UN PUITS VOISIN.

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -4

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.7 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1414 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 9		DATE 80 8 11		DATE 81 7 31	
Z(M)	T(C)	Z(M)	T(C)	Z(M)	T(C)
15.6	1.94	15.2	2.00	15.5	1.40
30.5	2.13	30.5	2.16	23.5	1.46
45.7	2.17	45.7	2.19	31.2	1.60
61.0	2.33	61.0	2.33	39.3	1.79
76.2	2.45	76.2	2.43	46.4	1.88
91.2	3.33	91.2	3.29	54.1	1.99
106.4	3.79	106.4	3.74	61.8	2.10
122.0	3.63	114.0	3.62	69.6	2.19
136.9	3.93	122.0	3.61	77.6	2.32
152.7	3.96	129.6	3.68	85.0	2.46
167.7	4.27	137.2	3.89	93.0	2.64
182.6	4.52	145.1	3.85	100.5	2.81
198.5	4.85	152.1	3.93	108.5	2.93
213.4	5.17	160.1	4.10	115.9	3.04
228.7	5.44	167.4	4.25	123.3	3.15
243.9	5.75	175.3	4.40	131.4	3.28
259.5	6.06	182.6	4.52	139.4	3.43
274.1	6.37	190.6	4.66	147.1	3.56
289.6	6.67	198.2	4.80	154.8	3.71
304.5	6.98	206.1	4.96	162.6	3.86
320.1	7.31	213.1	5.12	170.0	3.99
335.0	7.62	221.0	5.28	177.7	4.14
350.6	7.99	228.7	5.41	185.1	4.29
365.5	8.31	236.3	5.55	193.5	4.45
381.3	8.60	243.9	5.75	200.9	4.59
396.2	8.91	251.5	5.89	208.9	4.75
411.1	9.26	259.1	6.00	216.7	4.89
426.3	9.57	266.8	6.15	223.8	5.04
441.9	9.92	274.1	6.35	231.8	5.20
457.1	10.25	282.3	6.46	240.1	5.35
472.3	10.57	289.6	6.64	247.8	5.50
487.5	10.91	297.6	6.78	255.2	5.65
502.7	11.22	304.9	6.96	263.0	5.81
518.2	11.59	312.8	7.11	271.0	5.96
533.1	11.92	319.7	7.28	278.4	6.11
548.3	12.26	327.7	7.44	286.2	6.28
563.8	12.60	335.1	7.60	293.9	6.44
578.4	12.93	343.3	7.77	301.9	6.61
594.0	13.25	350.6	7.94	309.4	6.75
609.2	13.58	358.2	8.04	317.4	6.93

373.5	8.44	332.6	7.23
380.8	8.55	340.3	7.41
389.0	8.74	348.1	7.57
396.3	8.86	355.8	7.73
403.9	9.03	363.5	7.88
411.5	9.21	371.2	8.04
419.4	9.42	379.2	8.22
426.7	9.55	386.3	8.36
434.7	9.73	394.6	8.54
441.7	9.86	402.0	8.69
449.9	10.05	409.8	8.86
456.6	10.21	418.1	9.04
465.1	10.38	424.9	9.20
472.1	10.50	433.2	9.37
480.0	10.67	440.7	9.54
487.5	10.89	448.4	9.70
495.1	11.01	456.4	9.87
502.4	11.19	463.4	10.05
510.3	11.38	471.1	10.21
517.9	11.56	478.8	10.38
525.5	11.73	486.5	10.55
533.4	11.90	494.2	10.71
540.7	12.08	501.9	10.88
548.3	12.23	509.6	11.06
555.9	12.40	517.6	11.23
563.5	12.57	525.3	11.41
571.1	12.73	532.9	11.58
579.0	12.91	540.4	11.75
586.7	13.07	548.2	11.92
594.3	13.21	555.8	12.10
601.6	13.38	563.6	12.27
609.2	13.53	571.3	12.44

TEMPERATURE RESULTS ARE OBTAINED
FROM SINGLE THERMISTOR LOGS.
FURTHER TEMPERATURE LOGS
ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-80-18
-WELL SPUDDED 80 6 7
-DRILLING FOR 44 DAYS
-TOTAL DEPTH 725 METRES
-DRILLING STOPPED 80 7 20

WATER FLOW AT SURFACE

TEMPERATURES OBTENUES A PARTIR DE
SONDAGES AVEC UN THERMISTOR UNIQUE.
ON PREVOIT ENTREPRENDRE D'AUTRES
SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-80-18
-DEMARRAGE DU PUITS LE 80 6 7
-FORAGE PENDANT 44 JOURS
-PROFONDEUR TOTALE 725 METRES
-FORAGE ARRETE LE 80 7 20

ECOULEMENT D%EAU A LA SURFACE

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -5

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.5 MINUTES NORTH
133 DEGREES 44.8 MINUTES WEST

60 DEGRES 59.5 MINUTES NORD
133 DEGRES 44.8 MINUTES OUEST

ELEVATION 1605 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 9

Z(M)	T(C)
30.8	-2.06
45.7	-1.95
61.0	-1.23
76.5	-1.11
91.1	-.75

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-79-7
-WELL SPUDDED 79 6 15
-DRILLING FOR 55 DAYS
-TOTAL DEPTH 997 METRES
-DRILLING STOPPED 79 8 8

AMOCO RED MOUNTAIN RMY-79-7
-DEMARRAGE DU PUITS LE 79 6 15
-FORAGE PENDANT 55 JOURS
-PROFONDEUR TOTALE 997 METRES
-FORAGE ARRETE LE 79 8 8

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -6

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.7 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.7 MINUTES OUEST

ELEVATION 1454 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 80 8 11		DATE 81 7 31	
Z(M)	T(C)	Z(M)	T(C)
30.5	1.49	15.8	1.84
45.4	1.65	23.5	1.49
61.0	1.85	32.2	1.53
65.5	1.93	38.7	1.58
		46.4	1.66
		54.1	1.76
		61.9	1.87

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-79-15
-WELL SPUDDED 79 10 18
-DRILLING FOR 13 DAYS
-TOTAL DEPTH 284 METRES
-DRILLING STOPPED 79 10 26

AMOCO RED MOUNTAIN RMY-79-15
-DEMARRAGE DU PUITS LE 79 10 18
-FORAGE PENDANT 13 JOURS
-PROFONDEUR TOTALE 284 METRES
-FORAGE ARRETE LE 79 10 26

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -7
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 45.2 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 45.2 MINUTES OUEST

ELEVATION 1517 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 1

Z(M)	T(C)
46.9	.26
62.1	.54
77.5	.85
92.4	1.24
110.0	1.45
123.6	1.69
139.0	1.96
154.4	2.27
169.6	2.57
185.3	2.92
201.1	3.23
215.9	3.61
231.6	3.85
247.1	4.11
262.3	4.41
278.0	4.72
293.4	5.05
309.2	5.37
324.3	5.69
340.1	5.98
355.5	6.30
370.3	6.62
386.1	6.95
401.5	7.25
417.0	7.57
432.4	7.88
447.9	8.18
463.3	8.54
478.8	8.85

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-81-22
-WELL SPUDDED 81 6 15
-DRILLING FOR 16 DAYS
-TOTAL DEPTH 550 METRES
-DRILLING STOPPED 81 6 30

AMOCO RED MOUNTAIN RMY-81-22
-DEMARRAGE DU PUITS LE 81 6 15
-FORAGE PENDANT 16 JOURS
-PROFONDEUR TOTALE 550 METRES
-FORAGE ARRETE LE 81 6 30

EARTH PHYSICS BRANCH NO. 289 RED MOUNTAIN -8
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 59.6 MINUTES NORTH
133 DEGREES 44.9 MINUTES WEST

60 DEGRES 59.6 MINUTES NORD
133 DEGRES 44.9 MINUTES OUEST

ELEVATION 1514 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 1

Z(M)	T(C)
30.9	.34
46.3	.02
61.8	.64
77.5	.87
93.0	1.14
108.1	1.41
123.6	1.66
138.7	1.95
154.7	2.28
170.5	2.59
185.0	2.93
201.1	3.23
216.2	3.54
231.6	3.86
247.1	4.15
262.9	4.48
278.3	5.08
308.9	5.45
324.6	5.75
339.5	6.09
354.9	6.40
370.3	6.72
386.1	7.08
401.5	7.33
416.7	7.66
432.4	7.98
447.9	8.30

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS. FURTHER TEMPERATURE LOGS ARE EXPECTED FOR THIS HOLE.

AMOCO RED MOUNTAIN RMY-81-23
-WELL SPUDDED 81 7 2
-DRILLING FOR 13 DAYS
-TOTAL DEPTH 558 METRES
-DRILLING STOPPED 81 7 14

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE. ON PREVOIT ENTREPRENDRE D'AUTRES SONDAGES DE LA TEMPERATURE DE CE PUITS.

AMOCO RED MOUNTAIN RMY-81-23
-DEMARRAGE DU PUITS LE 81 7 2
-FORAGE PENDANT 13 JOURS
-PROFONDEUR TOTALE 558 METRES
-FORAGE ARRETE LE 81 7 14

EARTH PHYSICS BRANCH NO.
290 HOWARDS PASS -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 34.0 MINUTES NORTH
129 DEGREES 32.5 MINUTES WEST

62 DEGRES 34.0 MINUTES NORD
129 DEGRES 32.5 MINUTES OUEST

ELEVATION 1497 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE 79 8 1		DATE 79 8 2	
Z(M)	T(C)	Z(M)	T(C)
26.0	2.09	16.0	2.24
45.0	2.21	30.0	2.15
75.0	2.63	45.0	2.24
91.0	2.84	61.0	2.43
104.0	3.07	75.0	2.68
132.0	3.49	89.0	2.90
161.0	3.89	104.0	3.11
189.0	4.38	118.0	3.32
218.0	4.95	132.0	3.54
246.0	5.64	146.0	3.76
274.0	6.28	161.0	3.96
303.0	6.92	175.0	4.19
331.0	7.72	189.0	4.44
359.0	8.38	203.0	4.71
387.0	9.17	218.0	5.01
415.0	9.71		
442.0	10.29		
470.0	10.91		
496.0	11.46		
523.0	12.78		

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

PLACER DEVELOPMENT HOWARDS PASS ANNIV CL
-WELL SPUDDED 79 6 15
-DRILLING FOR 16 DAYS
-TOTAL DEPTH 567 METRES
-DRILLING STOPPED 79 6 30

PLACER DEVELOPMENT HOWARDS PASS ANNIV CL
-DEMARRAGE DU PUITS LE 79 6 15
-FORAGE PENDANT 16 JOURS
-PROFONDEUR TOTALE 567 METRES
-FORAGE ARRETE LE 79 6 30

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 290 HOWARDS PASS -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

62 DEGREES 27.0 MINUTES NORTH
129 DEGREES 24.0 MINUTES WEST

62 DEGRES 27.0 MINUTES NORD
129 DEGRES 24.0 MINUTES OUEST

ELEVATION 1631 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 5

Z(M)	T(C)
46.4	1.23
54.1	1.22
62.1	1.31
69.6	1.55
77.3	1.49
84.7	1.50
92.7	1.51
100.8	1.55
108.2	1.56
115.9	1.62
123.6	1.66
131.7	1.68
138.8	1.71
146.5	1.73
154.8	1.74
162.6	1.77
170.0	1.77
177.7	1.80
185.1	1.95
193.2	2.12

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

PLACER DEVELOPMENT XY CLAIMS DDH 73

PLACER DEVELOPMENT XY CLAIMS DDH 73

NO WATER FLOW AT SURFACE

PAS D ECOULEMENT D EAU A LA SURFACE.

EARTH PHYSICS BRANCH NO. 296 MACMILLAN PASS -1

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 8.9 MINUTES NORTH
130 DEGREES 15.2 MINUTES WEST

63 DEGRES 8.9 MINUTES NORD
130 DEGRES 15.2 MINUTES OUEST

ELEVATION 1193 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
14.3	2.64
21.9	2.69
28.8	2.72
36.6	2.87
43.8	3.03
51.0	3.18
58.2	3.36
64.8	3.57
72.2	3.82
79.0	4.03
86.4	4.21
93.8	4.44
100.6	4.69
107.6	4.87
114.6	5.13
121.8	5.37
128.8	5.56
135.8	5.80
142.8	6.05
149.4	6.25

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 77-21
-WELL SPUDDED 77 8 31
-DRILLING FOR 8 DAYS
-TOTAL DEPTH 172 METRES
-DRILLING STOPPED 77 9 7

OGILVIE JOINT VENT., JASON 77-21
-DEMARRAGE DU PUITS LE 77 8 31
-FORAGE PENDANT 8 JOURS
-PROFONDEUR TOTALE 172 METRES
-FORAGE ARRETE LE 77 9 7

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
296 MACMILLAN PASS -2
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 9.0 MINUTES NORTH
130 DEGREES 15.6 MINUTES WEST

63 DEGRES 9.0 MINUTES NORD
130 DEGRES 15.6 MINUTES OUEST

ELEVATION 1276 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
22.3	2.01
29.7	1.86
37.2	1.87
44.6	1.91
51.6	1.98
59.5	2.08
68.3	2.21
74.2	2.29
81.1	2.40
88.7	2.53
95.7	2.66
103.2	2.79
110.5	2.91
117.7	3.04
124.3	3.18
131.8	3.31
139.0	3.46
145.8	3.60

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 77-22
-WELL SPUDDED 77 9 9
-DRILLING FOR 12 DAYS
-TOTAL DEPTH 264 METRES
-DRILLING STOPPED 77 9 20

OGILVIE JOINT VENT., JASON 77-22
-DEMARRAGE DU PUITS LE 77 9 9
-FORAGE PENDANT 12 JOURS
-PROFONDEUR TOTALE 264 METRES
-FORAGE ARRETE LE 77 9 20

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
296 MACMILLAN PASS -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 9.1 MINUTES NORTH
130 DEGREES 15.8 MINUTES WEST

63 DEGRES 9.1 MINUTES NORD
130 DEGRES 15.8 MINUTES OUEST

ELEVATION 1293 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
21.7	1.68
29.1	1.69
36.7	1.72
44.1	1.77
51.7	1.86
59.0	1.97
66.3	2.07
73.2	2.19
80.8	2.32
87.8	2.46
94.9	2.60
102.1	2.73
109.3	2.89
116.5	3.02
123.7	3.15
131.1	3.31
138.3	3.45
145.4	3.61
152.2	3.76
159.4	3.91
166.2	4.07
173.6	4.23
180.5	4.39
188.2	4.53

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 77-24
-WELL SPUDDED 77 9 26
-DRILLING FOR 11 DAYS
-TOTAL DEPTH 294 METRES
-DRILLING STOPPED 77 10 6

OGILVIE JOINT VENT., JASON 77-24
-DEMARRAGE DU PUITS LE 77 9 26
-FORAGE PENDANT 11 JOURS
-PROFONDEUR TOTALE 294 METRES
-FORAGE ARRETE LE 77 10 6

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 296 MACMILLAN PASS -4
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 8.9 MINUTES NORTH
130 DEGREES 15.0 MINUTES WEST

63 DEGRES 8.9 MINUTES NORD
130 DEGRES 15.0 MINUTES OUEST

ELEVATION 1168 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
14.9	4.25
22.3	4.51
29.9	4.73
37.0	4.93
44.3	5.17
51.6	5.58
58.7	5.77
66.3	6.05
73.8	6.27
80.8	6.45
88.1	6.81
95.4	6.95
102.6	7.12
110.1	7.37
117.1	7.61
124.2	7.79
131.4	7.97
138.6	8.12
145.8	8.36
152.8	8.57
159.7	8.74
167.0	8.87
174.0	9.02
181.3	9.19
187.9	9.35

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 77-26
-WELL SPUDDED 77 10 19
-DRILLING FOR 9 DAYS
-TOTAL DEPTH 283 METRES
-DRILLING STOPPED 77 10 27

OGILVIE JOINT VENT., JASON 77-26
-DEMARRAGE DU PUITS LE 77 10 19
-FORAGE PENDANT 9 JOURS
-PROFONDEUR TOTALE 283 METRES
-FORAGE ARRETE LE 77 10 27

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
296 MACMILLAN PASS -5
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 8.9 MINUTES NORTH
130 DEGREES 15.8 MINUTES WEST

63 DEGRES 8.9 MINUTES NORD
130 DEGRES 15.8 MINUTES OUEST

ELEVATION 1277 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
22.7	1.65
30.5	1.73
37.8	1.81
45.3	1.93
53.1	2.08
60.5	2.23
67.5	2.38
74.5	2.53
82.0	2.69
89.4	2.88
96.2	3.02
103.4	3.17
110.7	3.33
117.8	3.49
124.9	3.64
131.4	3.78
138.9	3.94
145.3	4.09
152.7	4.28
159.0	4.44
166.0	4.62
173.0	4.79

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 80-61
-WELL SPUDDED 80 8 9
-DRILLING FOR 10 DAYS
-TOTAL DEPTH 203 METRES
-DRILLING STOPPED 80 8 18

OGILVIE JOINT VENT., JASON 80-61
-DEMARRAGE DU PUITS LE 80 8 9
-FORAGE PENDANT 10 JOURS
-PROFONDEUR TOTALE 203 METRES
-FORAGE ARRETE LE 80 8 18

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 296 MACMILLAN PASS -6

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 9.3 MINUTES NORTH
130 DEGREES 16.2 MINUTES WEST

63 DEGRES 9.3 MINUTES NORD
130 DEGRES 16.2 MINUTES OUEST

ELEVATION 1284 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
19.4	1.76
26.2	1.80
32.7	1.87
38.9	2.01
45.4	2.14

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 79-49
-WELL SPUDDED 79 9 17
-DRILLING FOR 18 DAYS
-TOTAL DEPTH 282 METRES
-DRILLING STOPPED 79 10 4

OGILVIE JOINT VENT., JASON 79-49
-DEMARRAGE DU PUITS LE 79 9 17
-FORAGE PENDANT 18 JOURS
-PROFONDEUR TOTALE 282 METRES
-FORAGE ARRETE LE 79 10 4

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.

296 MACMILLAN PASS -7

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 8.7 MINUTES NORTH
130 DEGREES 15.9 MINUTES WEST

63 DEGRES 8.7 MINUTES NORD
130 DEGRES 15.9 MINUTES OUEST

ELEVATION 1202 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
13.7	2.34
20.3	2.39
26.8	2.45
33.5	2.64

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 79-51A
-WELL SPUDDED 77 10 8
-DRILLING FOR 13 DAYS
-TOTAL DEPTH 305 METRES
-DRILLING STOPPED 77 10 20

OGILVIE JOINT VENT., JASON 79-51A
-DEMARRAGE DU PUITS LE 77 10 8
-FORAGE PENDANT 13 JOURS
-PROFONDEUR TOTALE 305 METRES
-FORAGE ARRETE LE 77 10 20

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 296 MACMILLAN PASS -8

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

63 DEGREES 8.8 MINUTES NORTH
130 DEGREES 14.8 MINUTES WEST

63 DEGRES 8.8 MINUTES NORD
130 DEGRES 14.8 MINUTES OUEST

ELEVATION 1156 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 10

Z(M)	T(C)
12.6	3.72
19.4	3.86

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

OGILVIE JOINT VENT., JASON 79-28
-WELL SPUDDED 77 6 4
-DRILLING FOR 18 DAYS
-TOTAL DEPTH 367 METRES
-DRILLING STOPPED 77 6 21

OGILVIE JOINT VENT., JASON 79-28
-DEMARRAGE DU PUITS LE 77 6 4
-FORAGE PENDANT 18 JOURS
-PROFONDEUR TOTALE 367 METRES
-FORAGE ARRETE LE 77 6 21

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS. PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
297 OTTER CREEK -1
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 20.9 MINUTES NORTH
127 DEGREES 23.8 MINUTES WEST

60 DEGRES 20.9 MINUTES NORD
127 DEGRES 23.8 MINUTES OUEST

ELEVATION 915 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 8

Z(M)	T(C)
20.1	1.35
26.8	1.45
33.5	1.56
40.2	1.72
46.6	1.84
53.6	1.99
60.3	2.15
66.7	2.32
73.7	2.48
80.7	2.70
86.8	2.89

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

SULPETRO MINERALS MEL PROPERTY 78-1
-DRILLED TO A TOTAL DEPTH OF 215 METRES

SULPETRO MINERALS MEL PROPERTY 78-1
-FORE A UNE PROFONDEUR TOTALE 215 METRES

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO. 297 OTTER CREEK -2

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 21.2 MINUTES NORTH
127 DEGREES 23.8 MINUTES WEST

60 DEGRES 21.2 MINUTES NORD
127 DEGRES 23.8 MINUTES OUEST

ELEVATION 910 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 8

Z(M)	T(C)
15.5	2.62
23.5	2.87
30.6	2.97
39.0	3.08
46.1	3.23
54.0	3.44
62.3	3.63
69.7	3.85
77.4	4.06
84.8	4.25
92.8	4.47
100.1	4.68
108.1	4.89
115.7	5.09
123.1	5.32
130.8	5.54
138.5	5.76
146.1	5.99
154.1	6.20
161.5	6.43
169.2	6.65
176.6	6.88
184.9	7.14
192.2	7.37

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

SULPETRO MINERALS MEL PROPERTY 78-6

-DRILLED TO A TOTAL DEPTH OF 200 METRES

SULPETRO MINERALS MEL PROPERTY 78-6

-FORE A UNE PROFONDEUR TOTALE 200 METRES

WELL DIRECTIONALLY DRILLED. DEPTHS IN TABLES HAVE BEEN CONVERTED TO VERTICAL.

FORAGE OBLIQUE DU PUITS.
PROFONDEURS INDIQUEES DANS LES TABLES ONT ETE RAMENEES A LA VERTICALE.

EARTH PHYSICS BRANCH NO.
297 OTTER CREEK -3
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

60 DEGREES 21.3 MINUTES NORTH
127 DEGREES 23.8 MINUTES WEST

60 DEGRES 21.3 MINUTES NORD
127 DEGRES 23.8 MINUTES OUEST

ELEVATION 942 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
81 8 8

Z(M)	T(C)
30.9	2.14
38.6	2.32
46.4	2.45
54.4	2.62
62.1	2.77
69.6	3.00
77.6	3.24
85.0	3.45
93.0	3.69
100.5	3.89
107.9	4.09
115.6	4.30
123.6	4.50
131.4	4.71
139.1	4.91
147.1	5.11
154.5	5.31
162.3	5.50
170.0	5.70
178.0	5.92
185.7	6.11
193.2	6.31
201.2	6.53
208.6	6.73
216.3	6.94
224.4	7.17
232.1	7.41
240.2	7.65
247.3	7.87
254.7	8.10
262.4	8.32
270.8	8.53

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

SULPETRO MINERALS MEL PROPERTY 79-3
-DRILLED TO A TOTAL DEPTH OF 307 METRES
-DRILLING STOPPED 79 2 29

SULPETRO MINERALS MEL PROPERTY 79-3
-FORE A UNE PROFONDEUR TOTALE 307 METRES
-FORAGE ARRETE LE 79 2 29

EARTH PHYSICS BRANCH NO. 0 BLOW RIVER
DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

68 DEGREES 46.3 MINUTES NORTH
137 DEGREES 27.2 MINUTES WEST

68 DEGRES 46.3 MINUTES NORD
137 DEGRES 27.2 MINUTES OUEST

ELEVATION 125 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

	DATE 70 9 14	DATE 70 9 15	DATE 70 9 17	DATE 70 9 22	DATE 70 10 10	DATE 70 12 12
Z(M)	T(C)	T(C)	T(C)	T(C)	T(C)	T(C)
0.0	2.78	16.94	6.67	-5.56	-.83	
15.2	9.72	14.17	12.22	7.78	1.67	-.28
30.5	12.94	16.11	12.94	8.33	3.33	0.00
45.7	13.61	12.50	10.97	8.06	3.50	.17
61.0	14.72	12.94	11.39	8.61	4.44	.39
76.2	15.28	13.61	11.83	9.17	4.72	1.28
91.4	15.56	13.89	12.50	9.44	5.00	1.39
106.7	16.83	15.56	13.61	10.67	5.67	2.06
121.9	15.83	14.44	12.50	9.44	5.28	2.22
137.2	16.94	15.72	14.00	10.83	5.83	2.50
167.6	16.94	15.50	13.89	10.50	6.00	2.56
198.1	17.17	15.83	14.17	11.11	6.67	3.06
228.6	17.78	16.39	14.44	11.67	7.22	3.61
259.1	19.33	18.28	16.78	13.50	8.89	
289.6	20.89	19.83	18.33	15.28	10.28	5.56
320.0	19.33	17.56	16.28	13.61	9.67	5.56
350.5	19.72	18.00	17.06	13.89	9.94	6.67
381.0	21.39	19.44	18.06	15.22	11.11	7.22
396.2	22.50	21.67	19.94	17.22	12.50	8.44
411.5	23.28	22.22	20.78	17.89	13.33	8.89
442.0	23.61	22.56	21.11	18.33	13.89	10.72
457.2	24.44	23.06	21.67	18.89	14.44	10.83
472.4	24.44	23.33	22.22	19.33	15.00	11.11
487.7	24.44	23.61	22.22	19.44	15.00	11.33
502.9	24.94	24.00	22.50	20.00	15.28	11.67
518.2	25.11	24.28	23.06	20.44	16.11	12.22
533.4	25.50	24.56	23.44	20.67	16.22	12.50
548.6	25.56	25.00	23.83	21.17	16.89	13.33
563.9	26.11	25.50	24.39	22.06	17.50	13.44
594.4	25.83	25.00	23.89	21.67	17.67	14.94

TEMPERATURE RESULTS ARE OBTAINED FROM A MULTITHERMISTOR CABLE.
LOGGING OF THIS HOLE IS COMPLETE.

IOE BLOW RIVER YT E-47
-WELL SPUDDED 70 5 8
-DRILLING FOR 127 DAYS
-TOTAL DEPTH 4271 METRES
-DRILLING STOPPED 70 9 12

TEMPERATURES OBTENUES A PARTIR D'UN CABLE A THERMISTORS MULTIPLES.
LE SONDAGE DE CE PUITS EST TERMINE.

IOE BLOW RIVER YT E-47
-DEMARRAGE DU PUITS LE 70 5 8
-FORAGE PENDANT 127 JOURS
-PROFONDEUR TOTALE 4271 METRES
-FORAGE ARRETE LE 70 9 12

DATA FROM PUI AND LUCENTE(1975)
TEMPERATURE OBSERVATION WELL
MULTITHERMISTOR CABLE FAILURE

EARTH PHYSICS BRANCH NO.

FINLAYSON LAKE

DIRECTION DE LA PHYSIQUE DU GLOBE NO.

****

61 DEGREES 46.7 MINUTES NORTH
131 DEGREES 3.3 MINUTES WEST

61 DEGRES 46.7 MINUTES NORD
131 DEGRES 3.3 MINUTES OUEST

ELEVATION 825 METRES

SUMMARY OF DEPTH-TEMPERATURE LOGS

DIAGRAPHIES DONNANT LA TEMPERATURE EN FONCTION DE LA PROFONDEUR

DATE
80 8 18

Z(M)	T(C)
18.0	-.22

TEMPERATURE RESULTS ARE OBTAINED FROM SINGLE THERMISTOR LOGS.
LOGGING OF THIS HOLE IS COMPLETE.

TEMPERATURES OBTENUES A PARTIR DE SONDAGES AVEC UN THERMISTOR UNIQUE.
LE SONDAGE DE CE PUITS EST TERMINE.

KERR ADDISON PELLY CLAIMS KP 78-1

-TOTAL DEPTH 84 METRES

KERR ADDISON PELLY CLAIMS KP 78-1

-PROFONDEUR TOTALE 84 METRES

VERTICAL HOLE DRILLED IN 1978
AIR FILLED TO 18M WHERE FROZEN PLUG ENCOUNTERED. ICE ON PROBE TIP

Appendix 2

Graphs of temperature versus depth

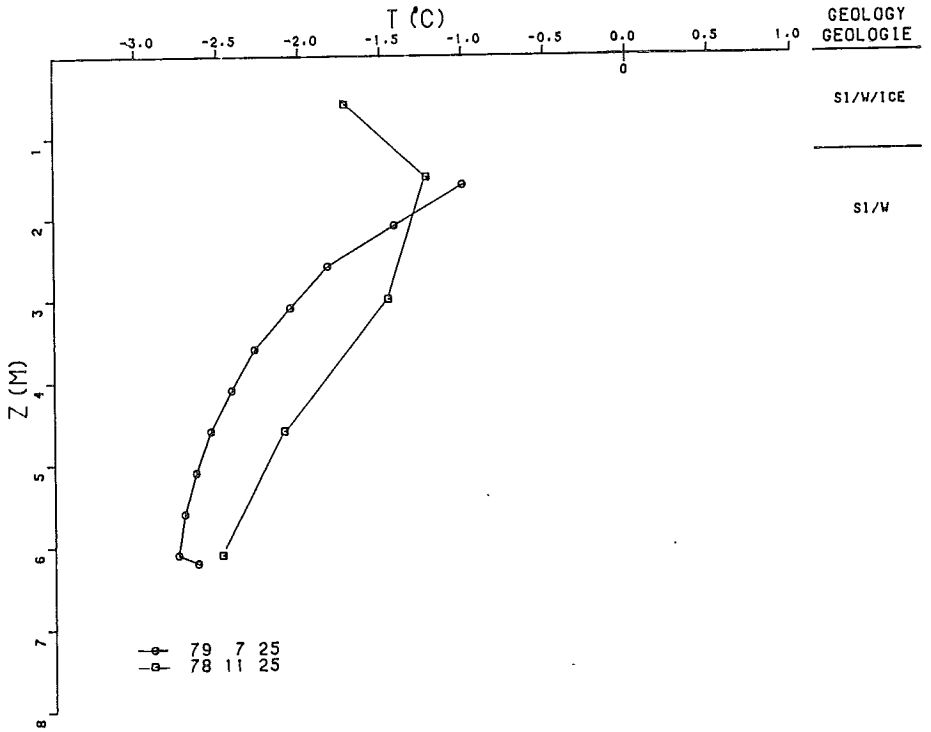
for each borehole

Appendix 2

Section i) Shallow boreholes
(0-10m)

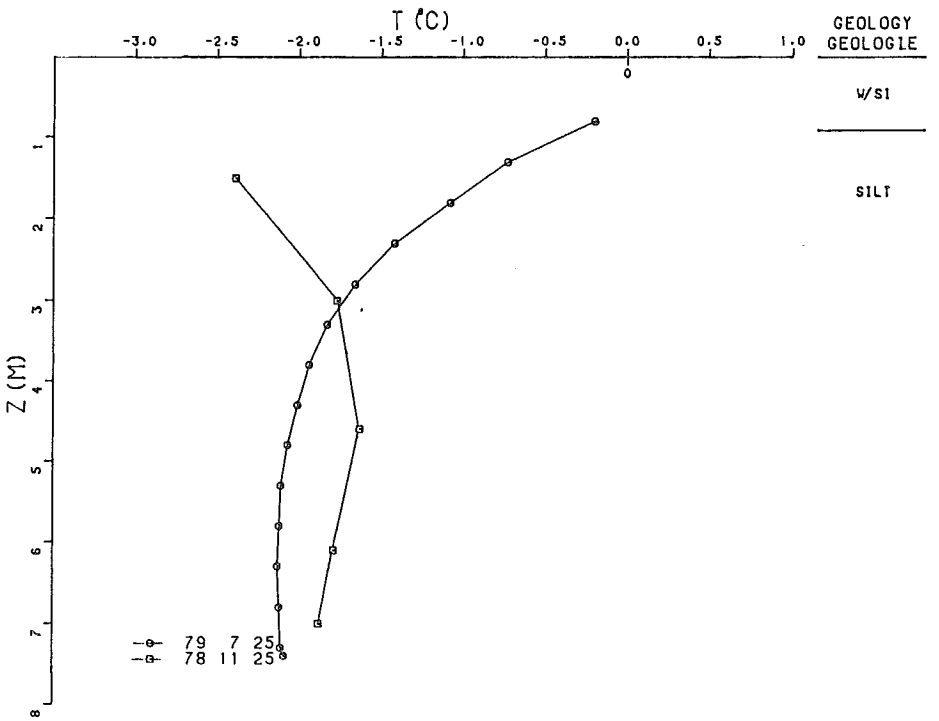
226 ALCAN FOOTHILLS -1

62° 31.6' N 140° 56.9' W/O



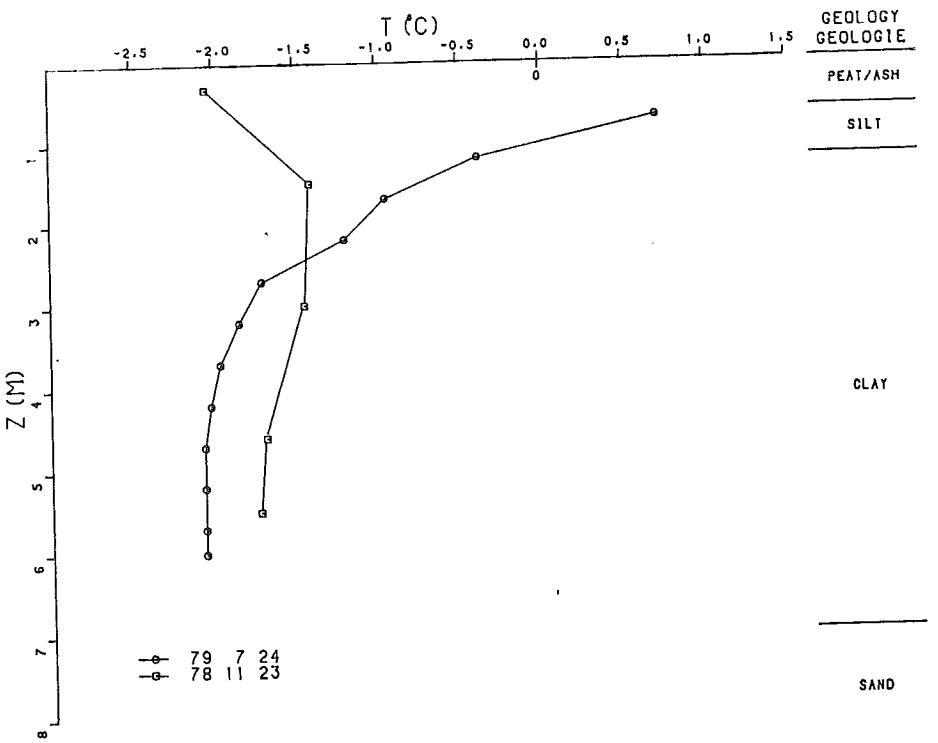
226 ALCAN FOOTHILLS -2

62° 17.5' N 140° 46.1' W/O



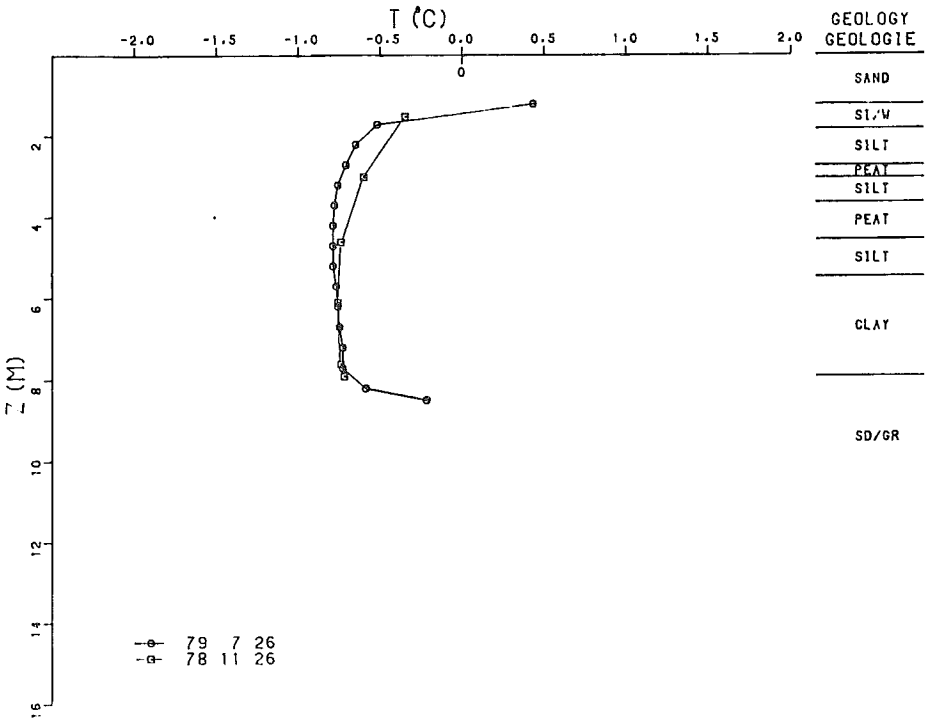
226 ALCAN FOOTHILLS -3

61° 35.6' N 139° 27.1' W/O



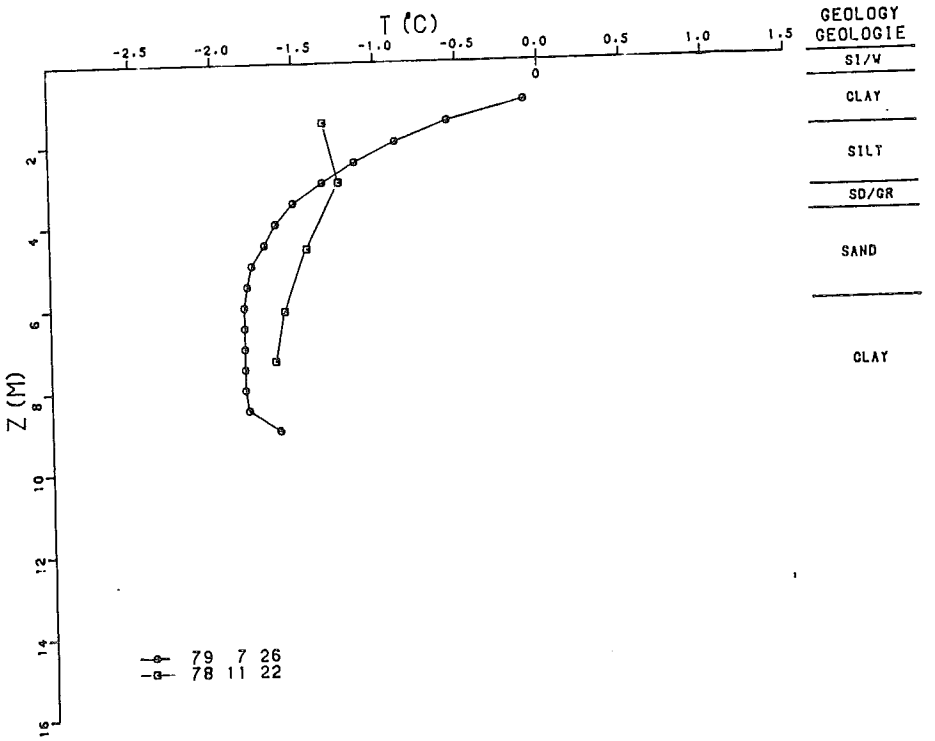
226 ALCAN FOOTHILLS -4

61° 26.7' N 139° 14.0' W/O



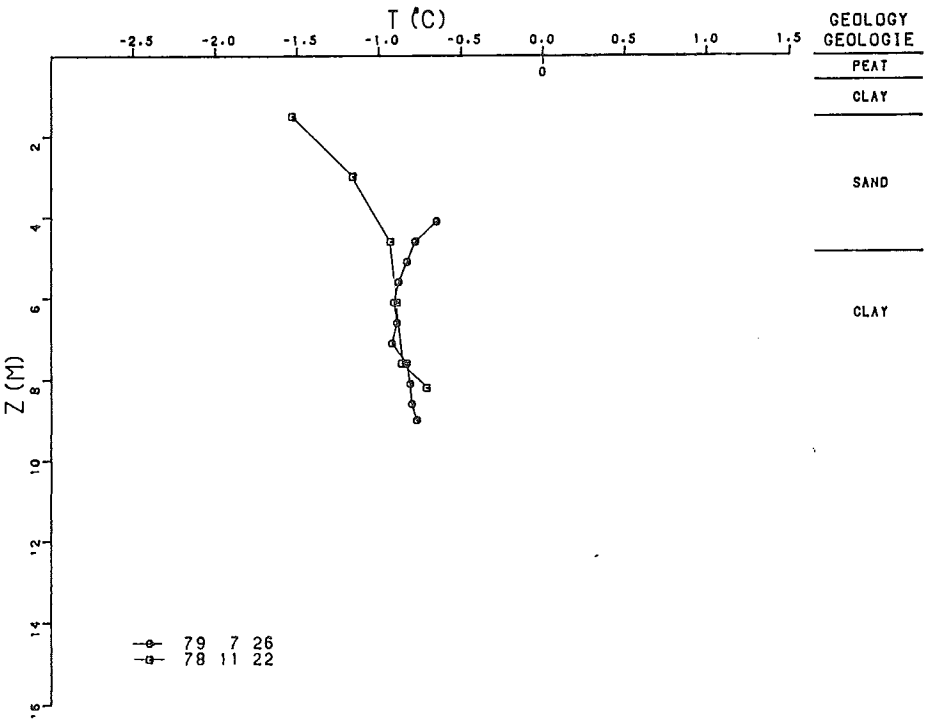
226 ALCAN FOOTHILLS -5

61° 16.1' N 138° 50.3' W/O



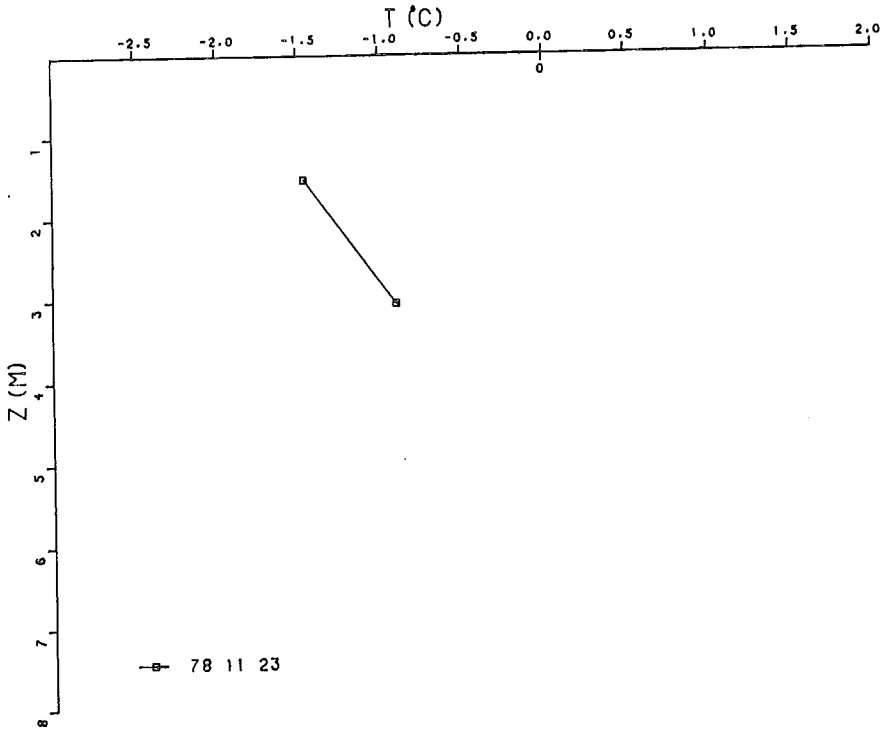
226 ALCAN FOOTHILLS -6

61° 14.4' N 138° 46.8' W/O



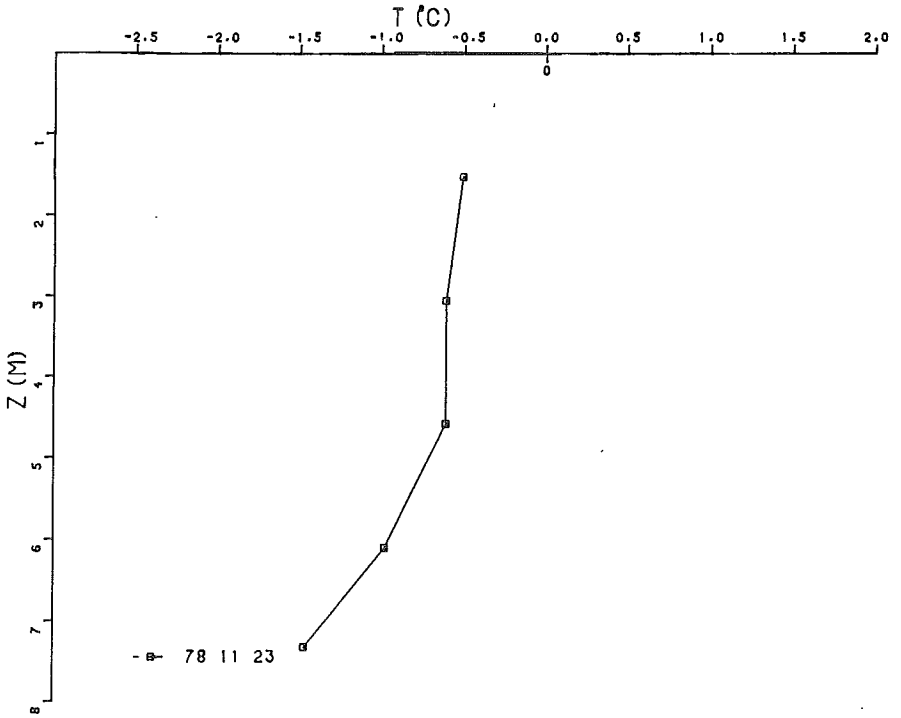
226 ALCAN FOOTHILLS -7

61° 42.9' N 139° 50.3' W/O



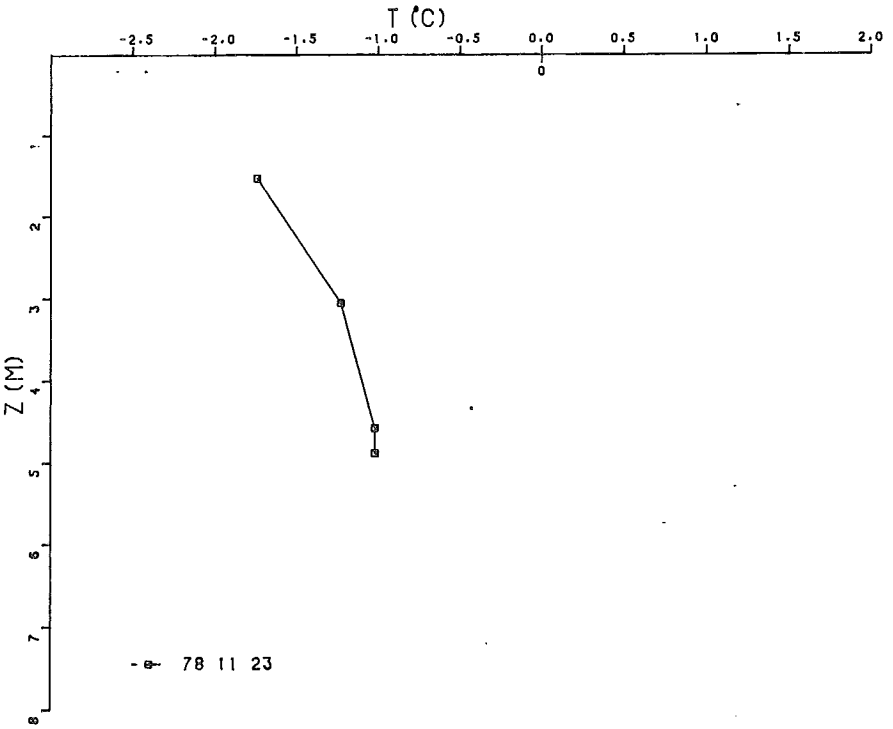
226 ALCAN FOOTHILLS -8

61° 42.8' N 139° 50.1' W/O



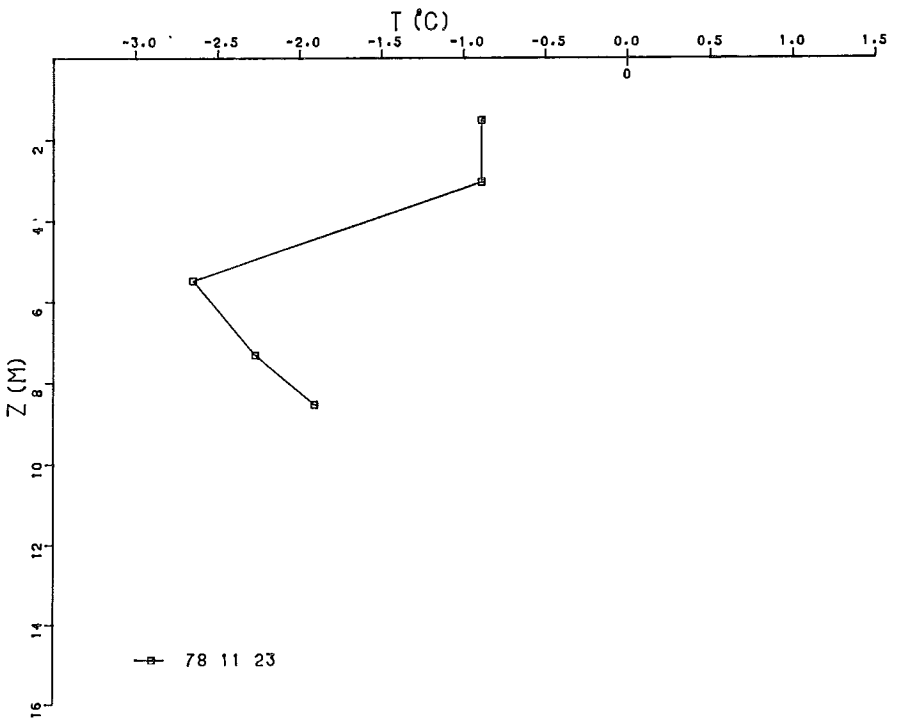
226 ALCAN FOOTHILLS -9

61° 40.5' N 139° 43.7' W,0



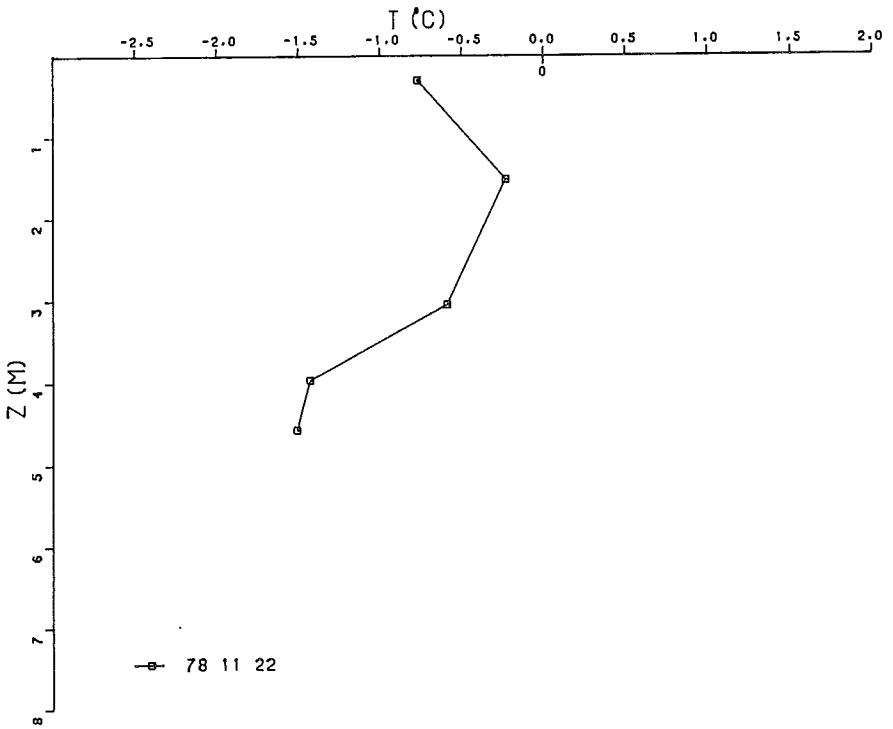
226 ALCAN FOOTHILLS -10

61° 30.4' N 139° 19.4' W/0



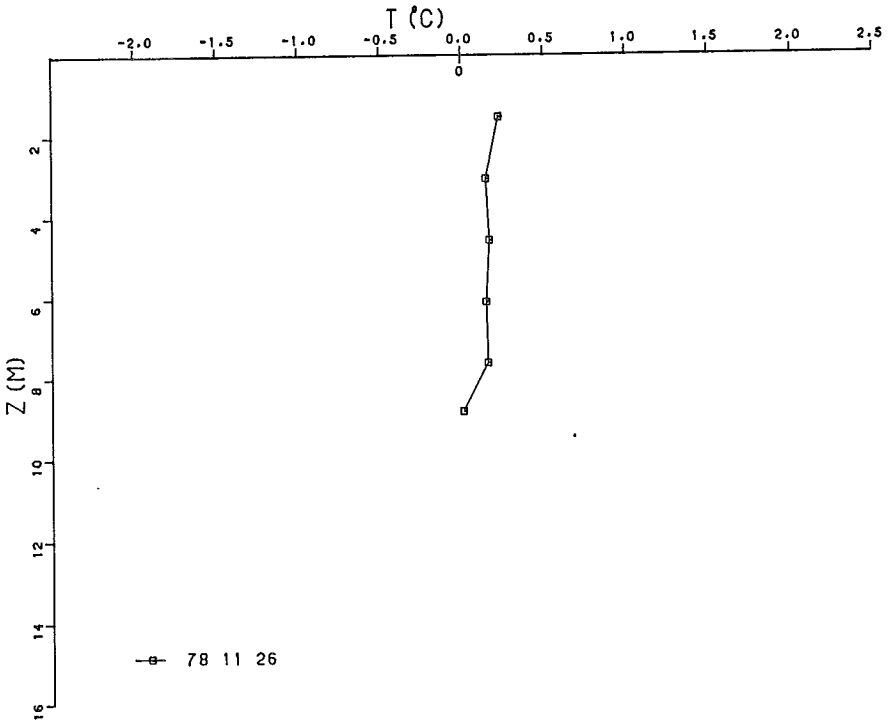
226 ALCAN FOOTHILLS -11

61° 14.9' N 138° 47.7' W/O



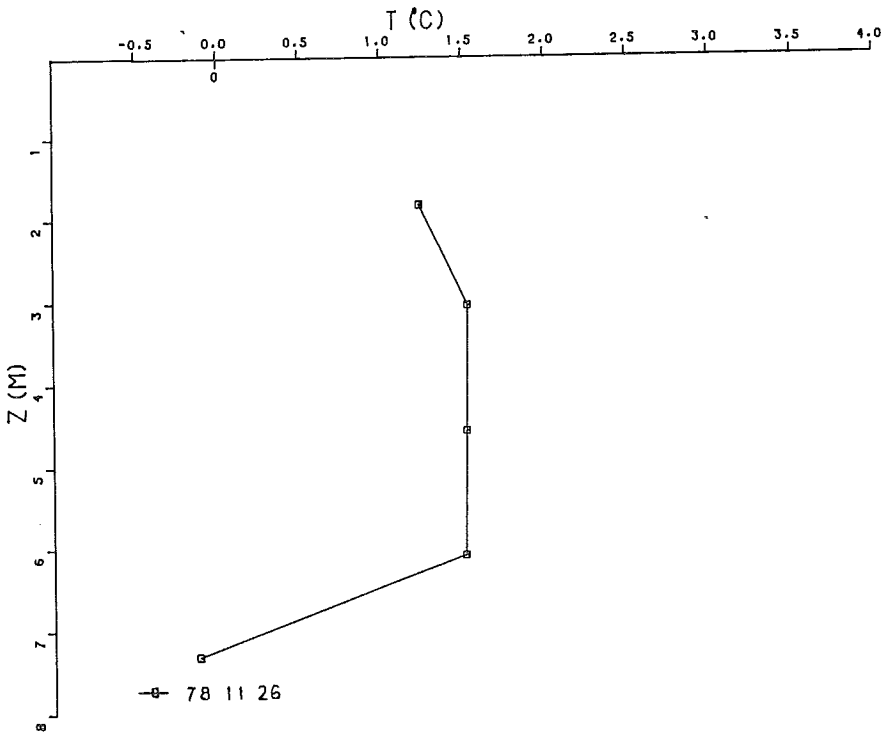
226 ALCAN FOOTHILLS -12

60° 54.9' N 137° 52.3' W/O



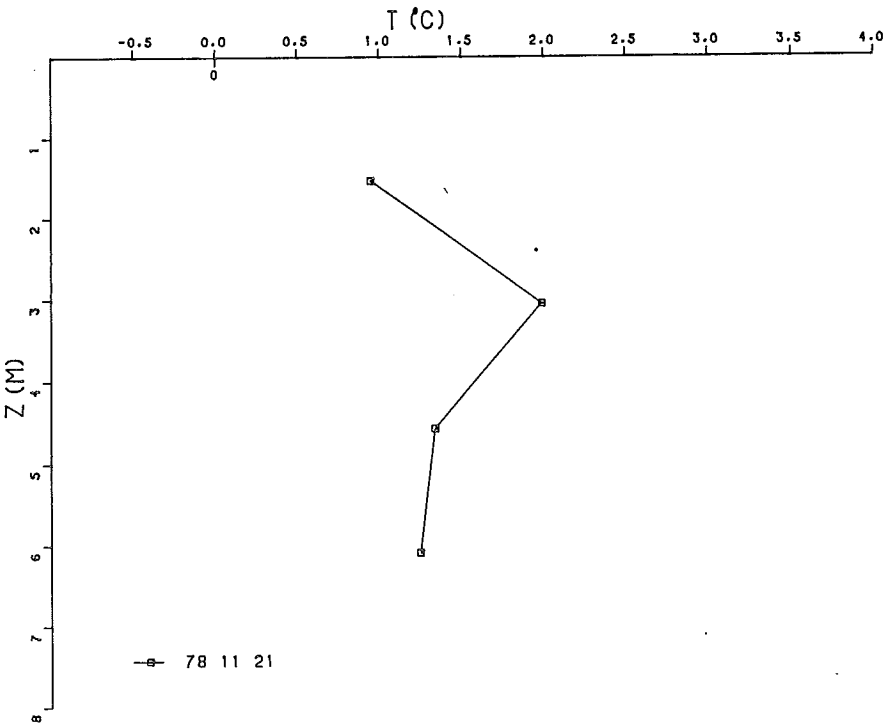
226 ALCAN FOOTHILLS -13

60° 50.9' N 136° 59.2' W/O



226 ALCAN FOOTHILLS -14

60° 48.9' N 136° 41.9' W/O

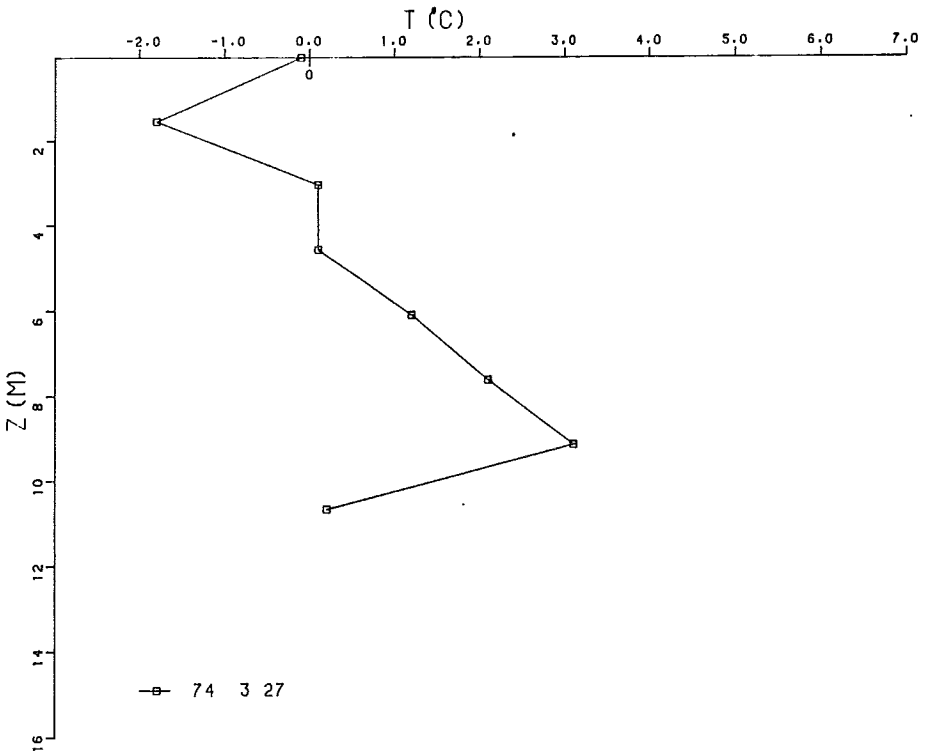


Appendix 2

Section ii) Intermediate boreholes (10-125m).

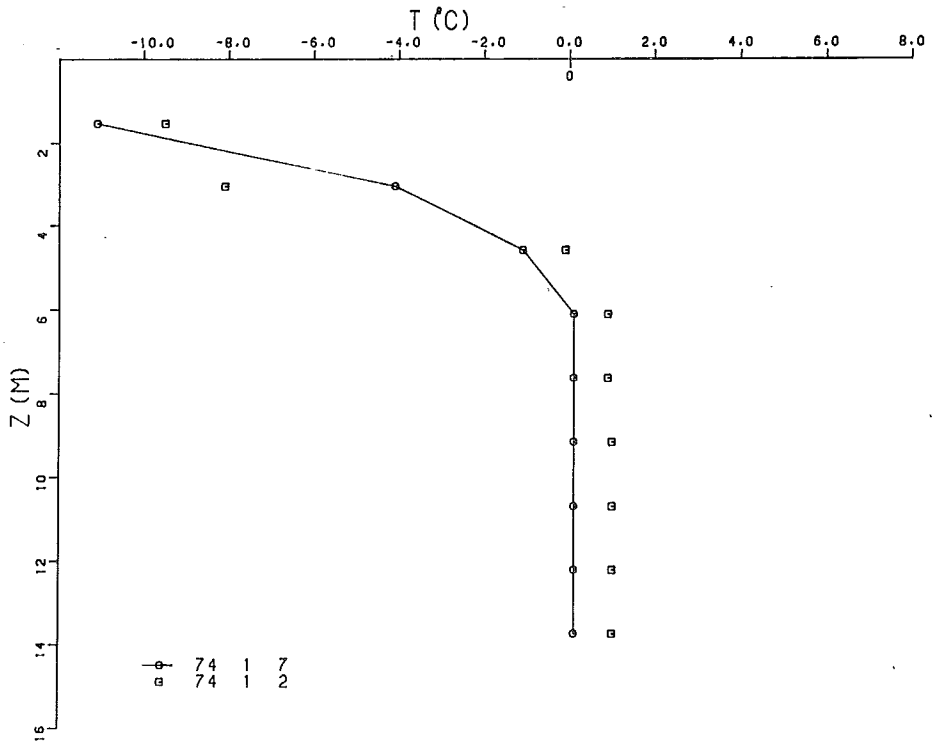
112 CLINTON CREEK -2

64° 26.4' N 140° 44.5' W/O



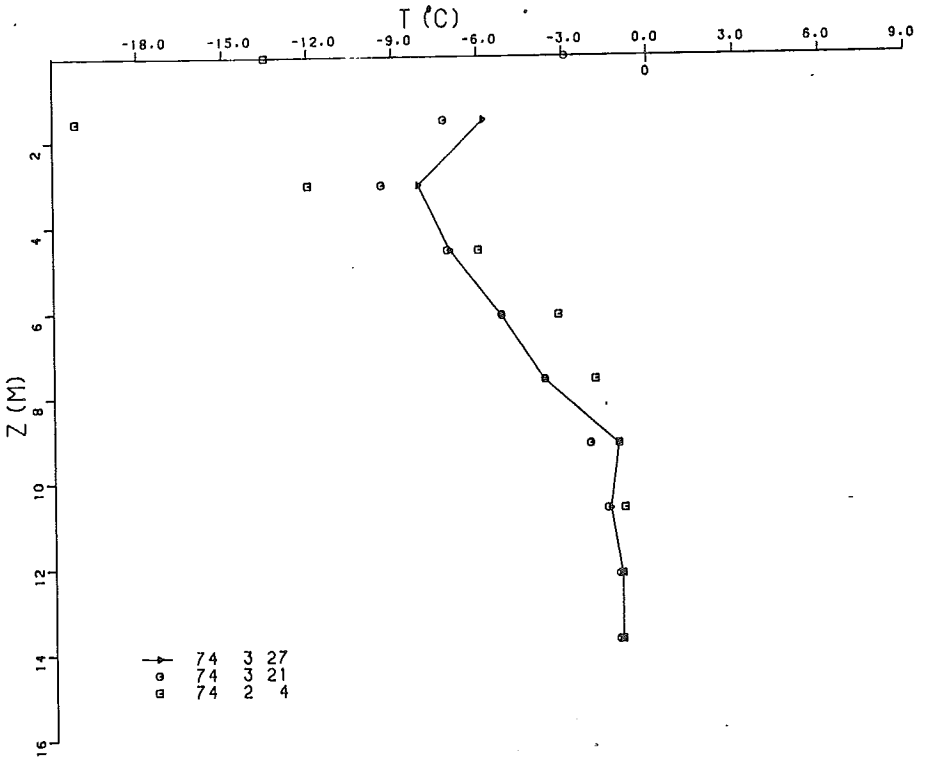
112 CLINTON CREEK -3

64° 26.4' N 140° 44.4' W/O



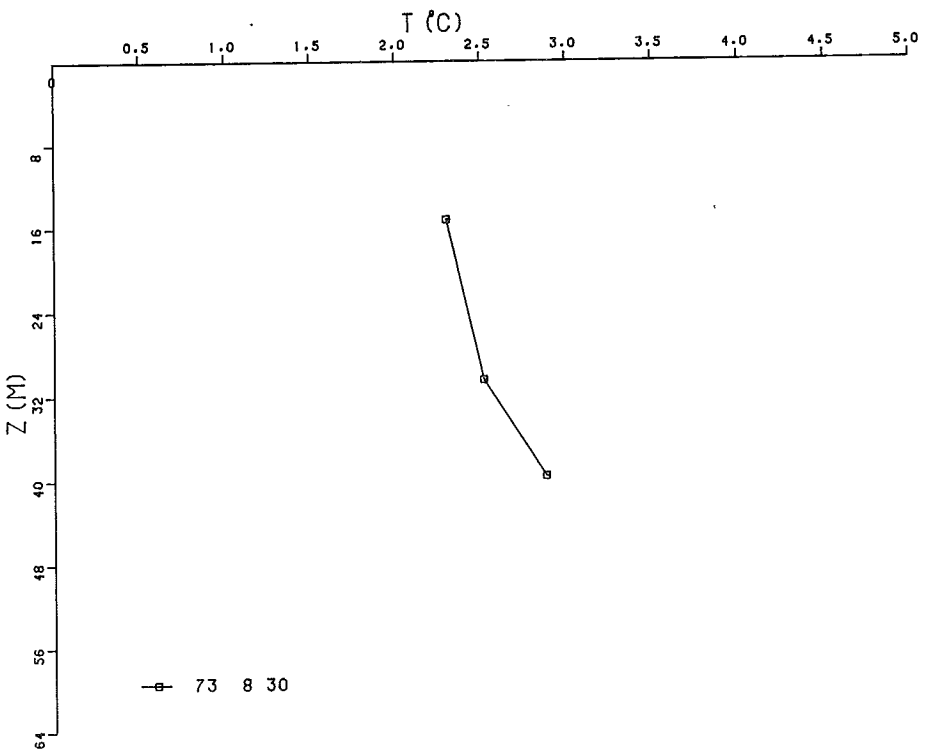
112 CLINTON CREEK -4

64° 26.5' N 140° 44.2' W/O



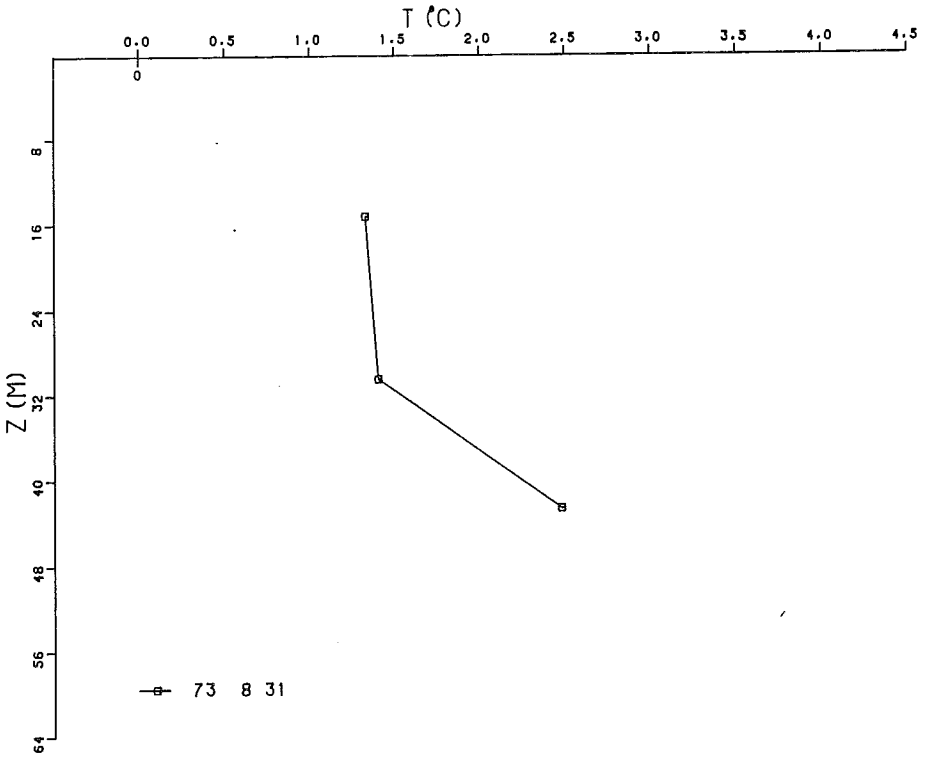
188 RUBY CREEK -3

59° 42.7' N 133° 24.3' W/O



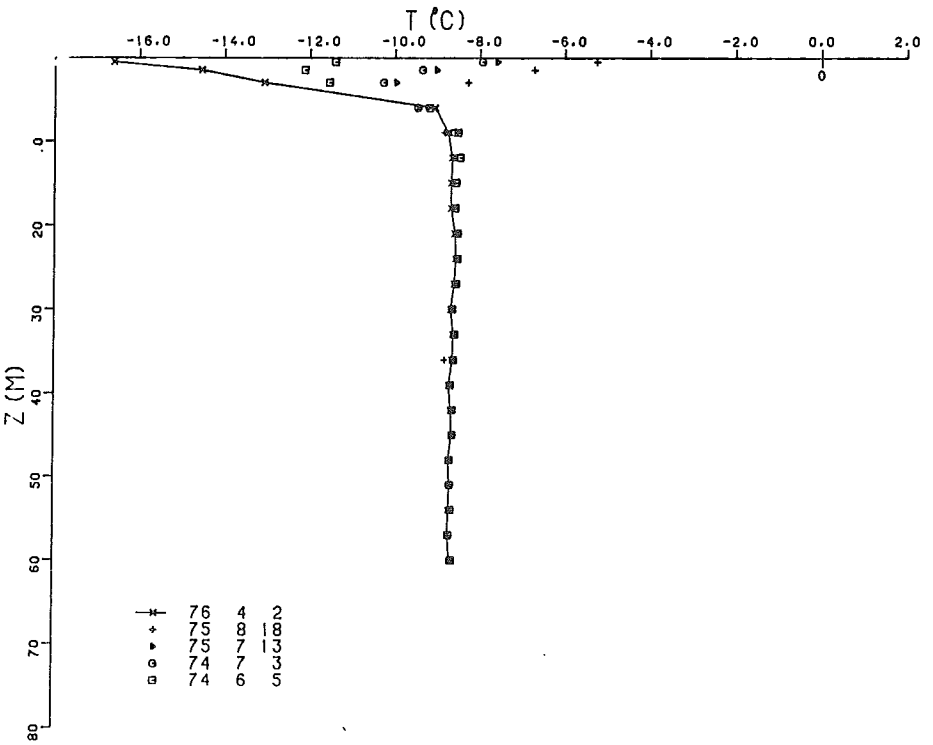
188 RUBY CREEK -4

59° 42.7' N 133° 24.3' W/O



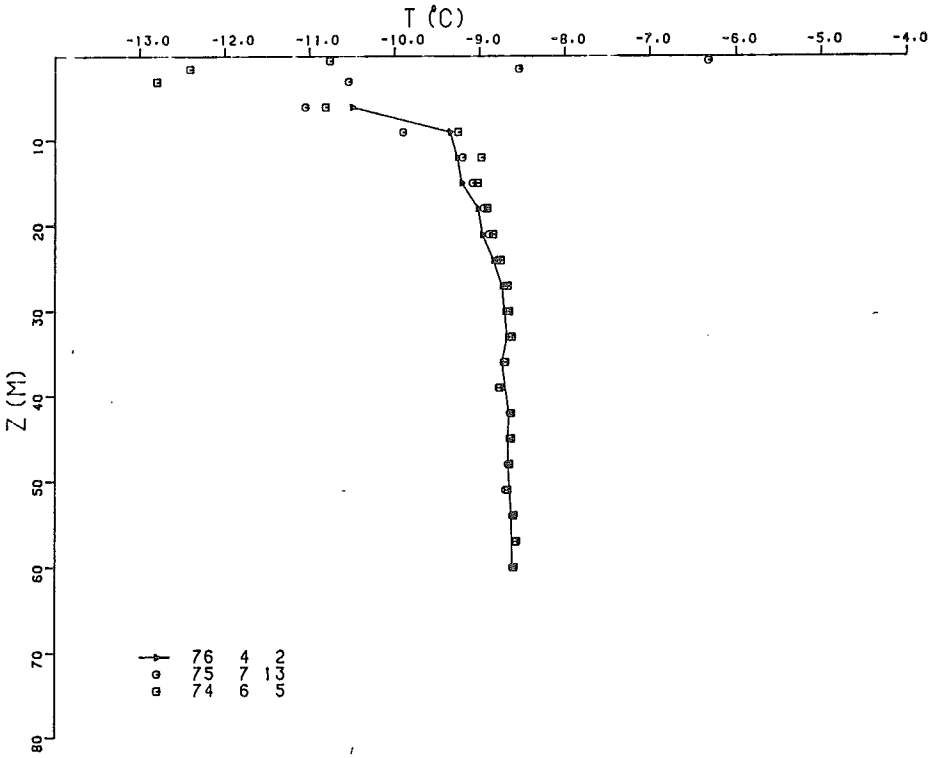
205 KAY POINT -1

69° 15.0' N 138° 21.7' W/O



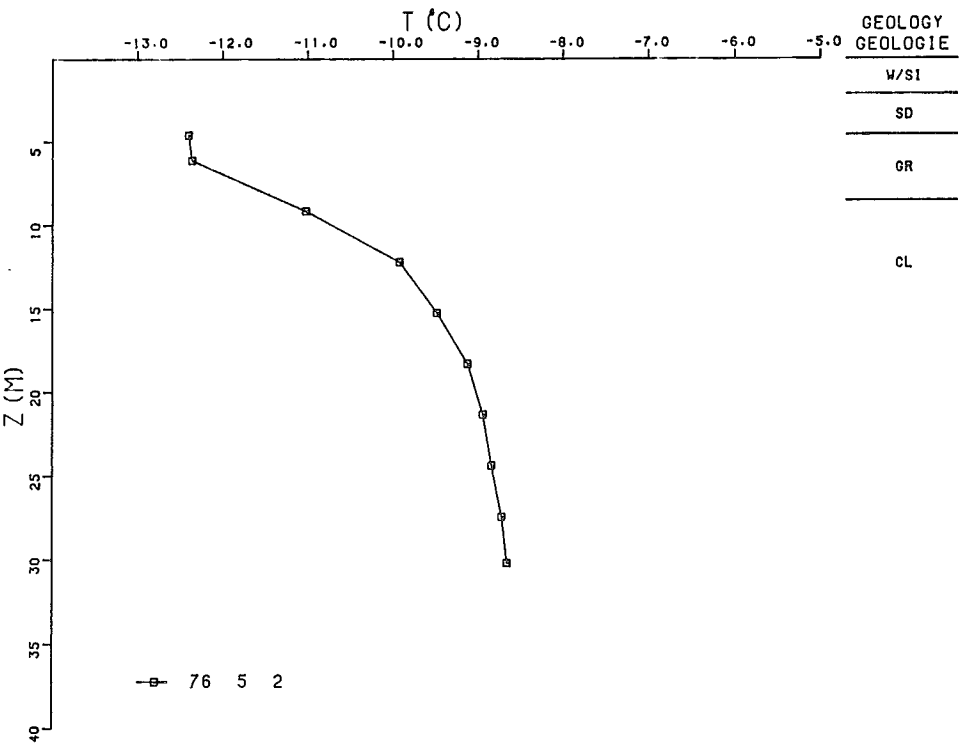
205 KAY POINT -2

69° 15.1' N 138° 19.9' W/O



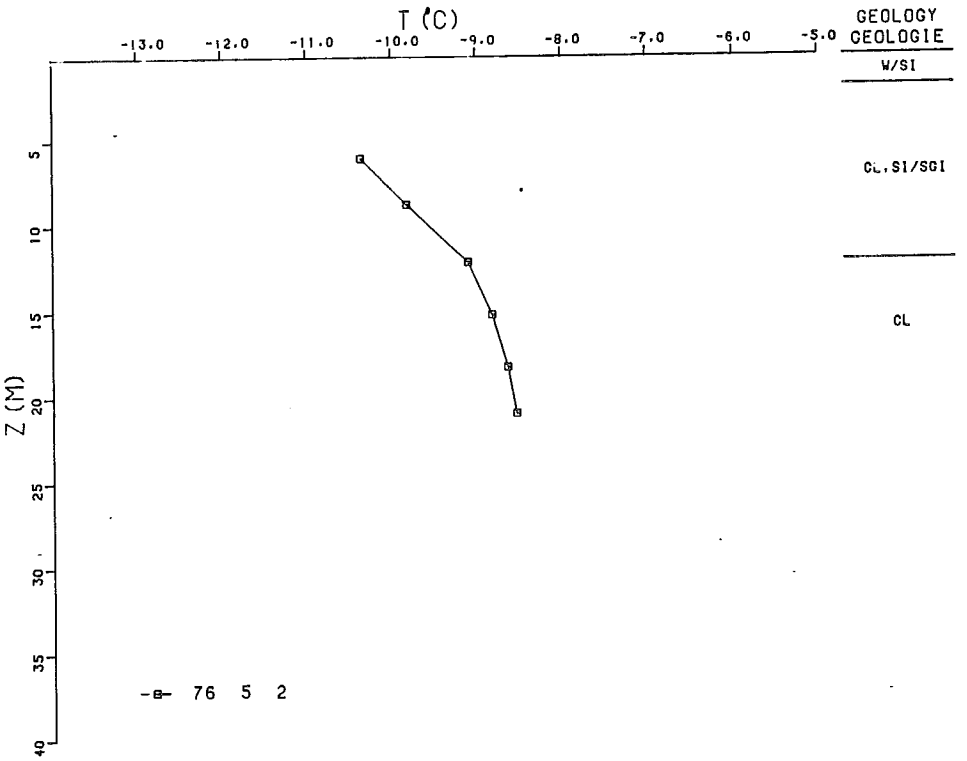
205 KAY POINT -3

69° 17.5' N 138° 23.2' W/O



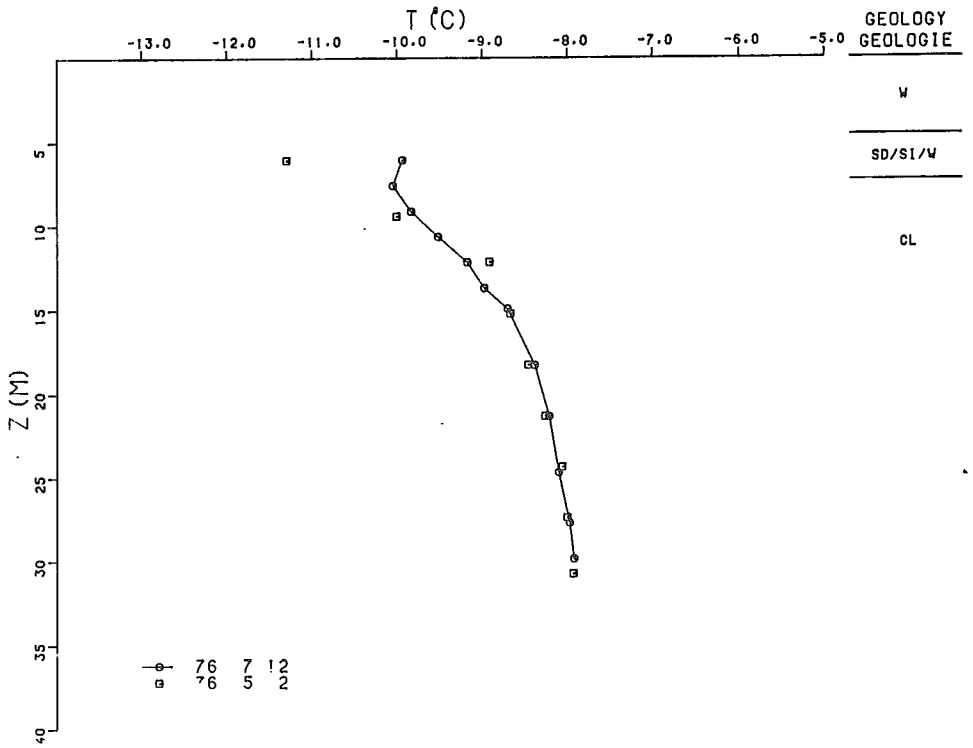
205 KAY POINT -4

69° 16.4' N 138° 21.2' W/O



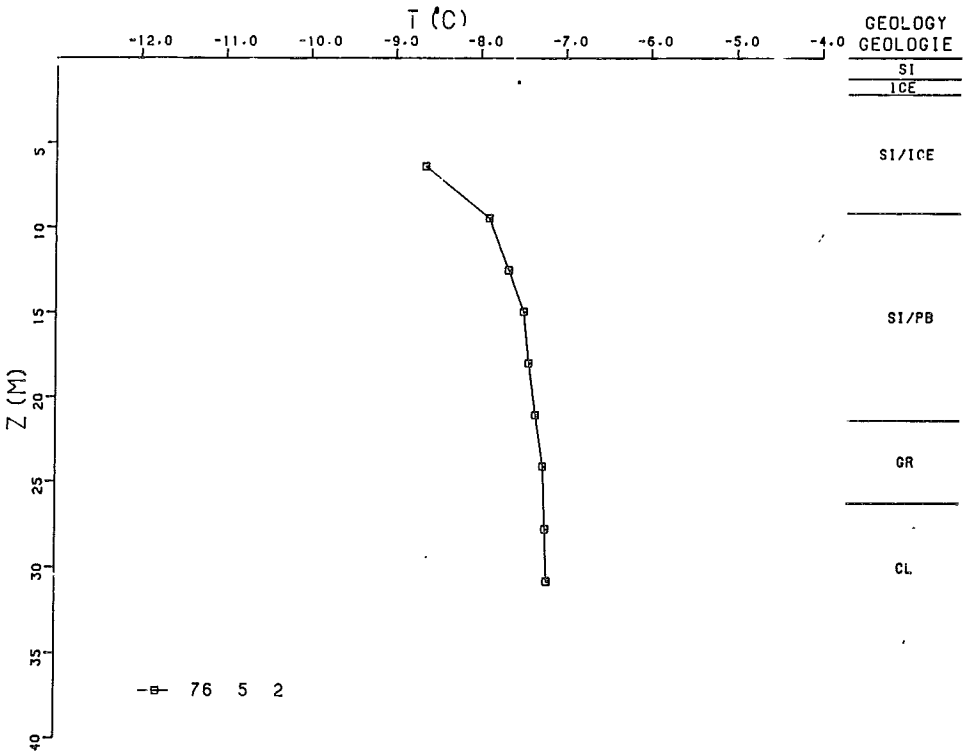
205 KAY POINT -5

69° 16.1' N 138° 24.4' W/O



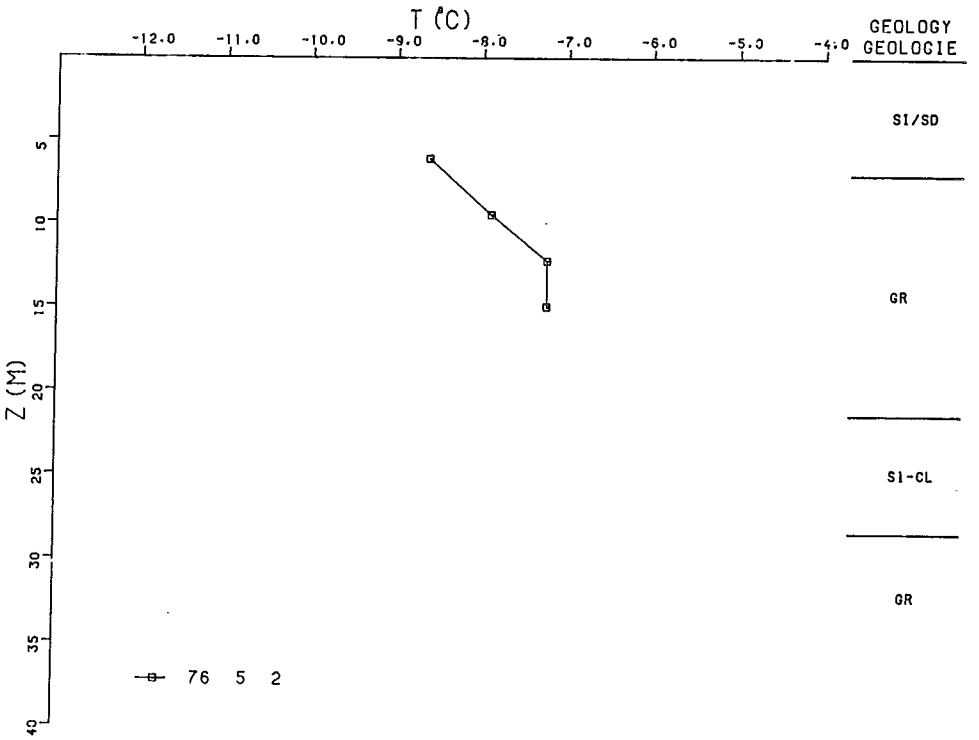
205 KAY POINT -6

69° 13.6' N 138° 25.6' W/O



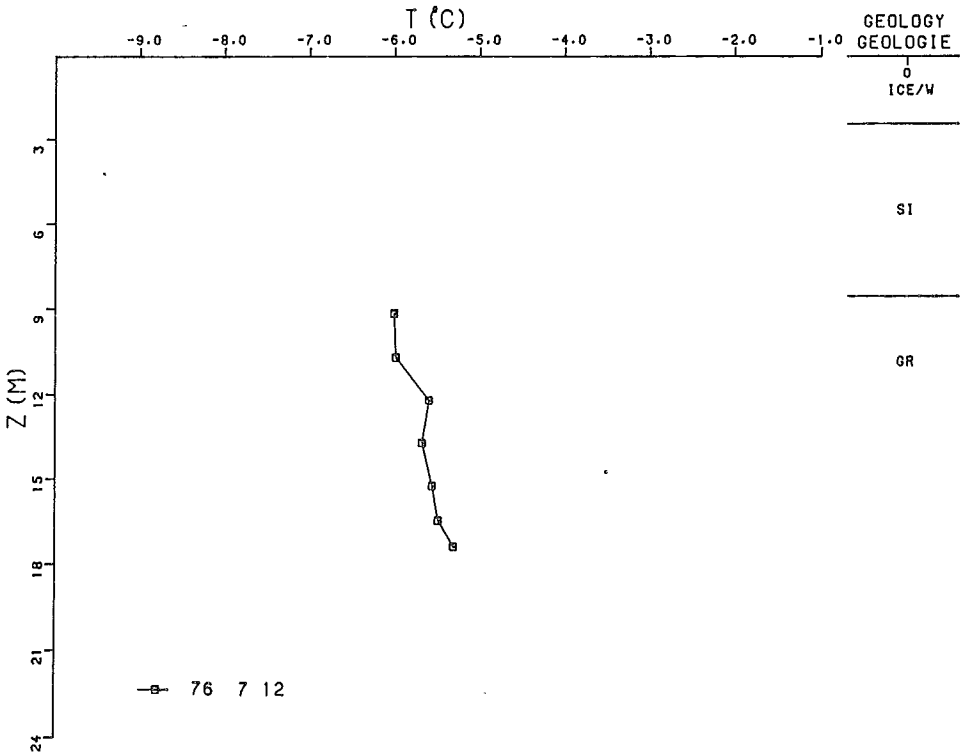
205 KAY POINT -7

69° 12.8' N 138° 23.1' W/O



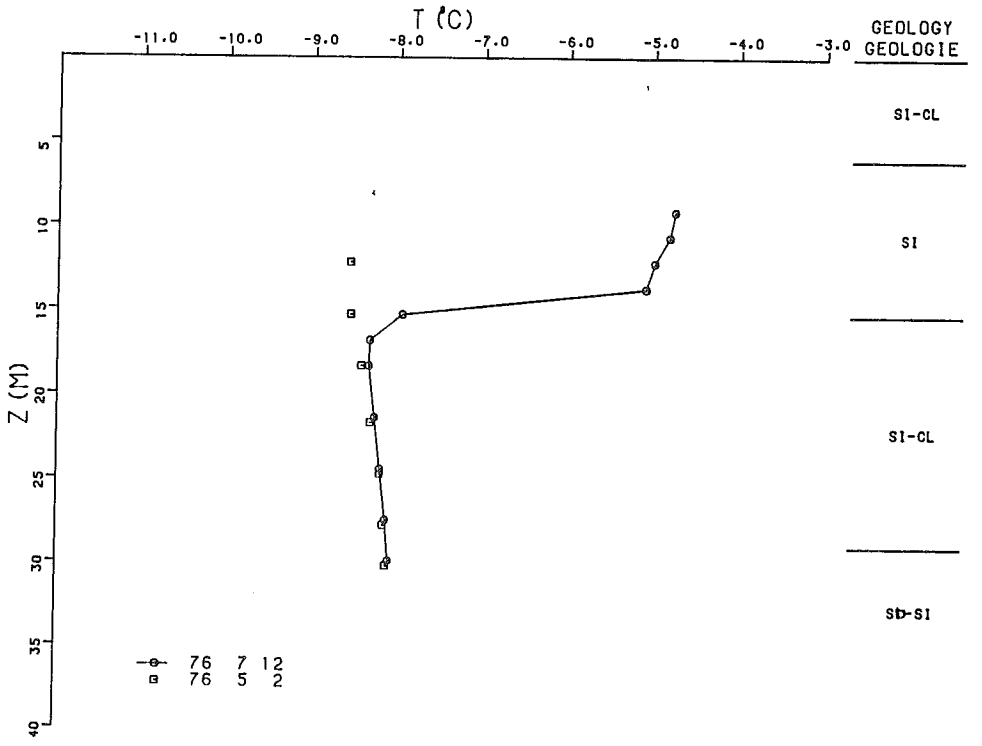
205 KAY POINT -8

69° 11.8' N 138° 20.2' W/O



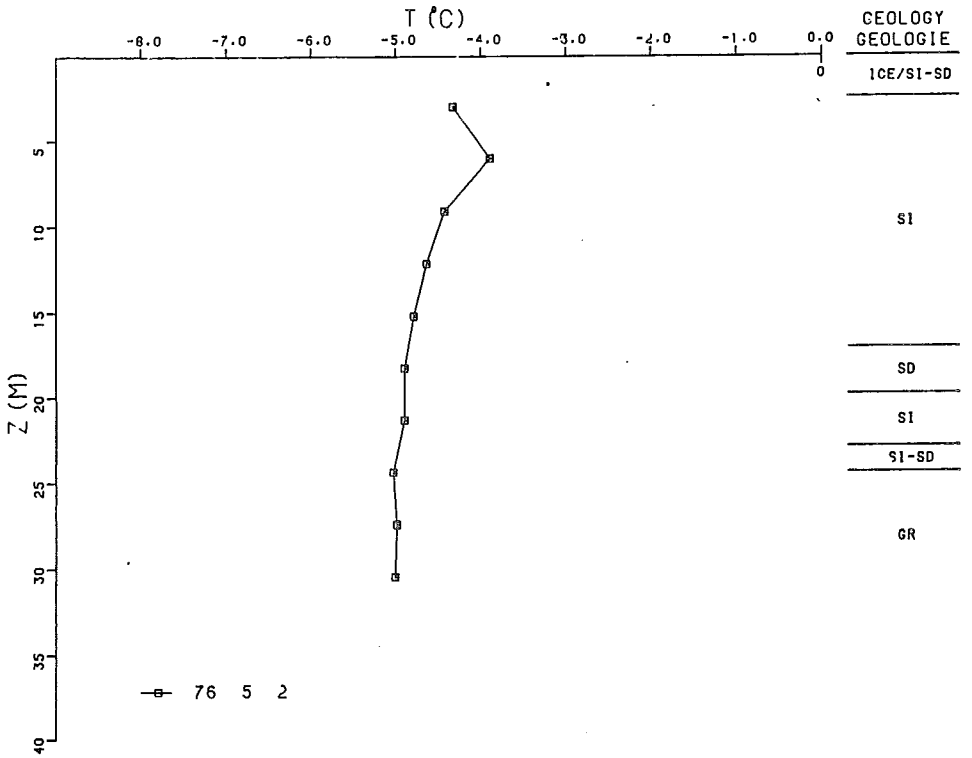
205 KAY POINT -9

69° 14.0' N 138° 24.5' W/O



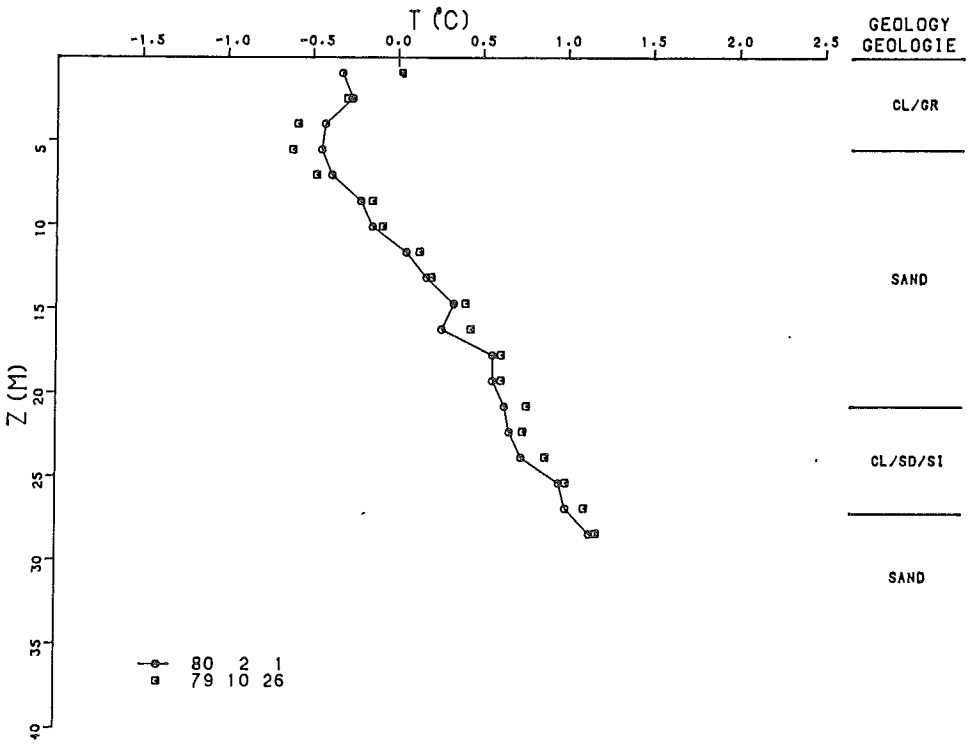
205 KAY POINT -10

69° 15.2' N 138° 30.2' W/O



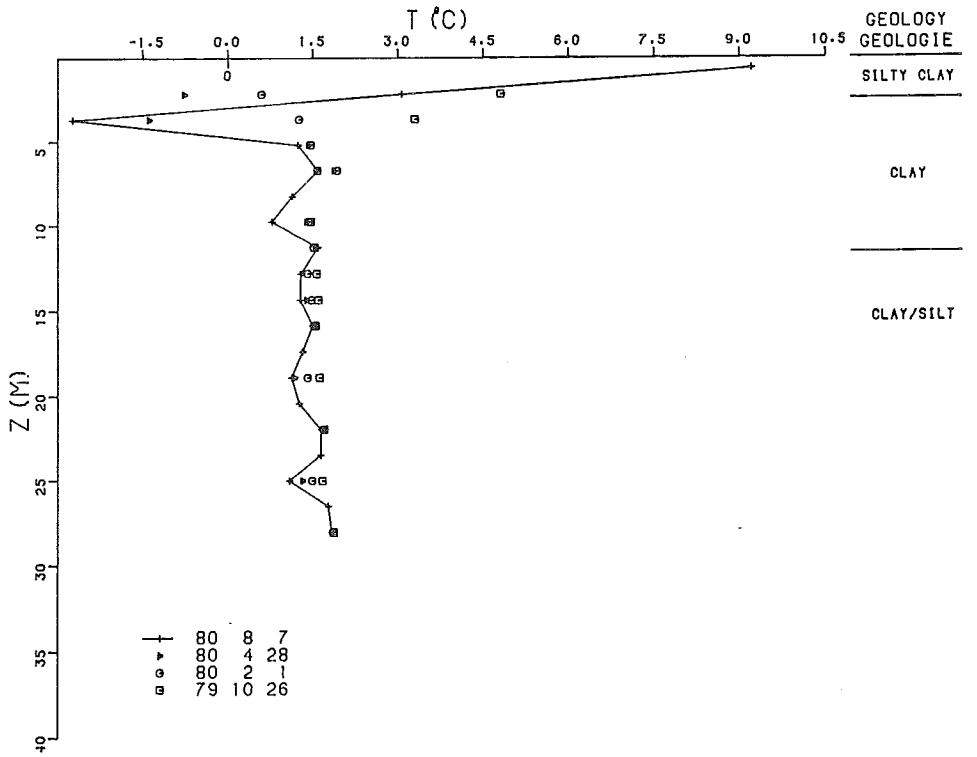
231 FOOTHILLS CS -1

60° 48.8' N 137° 25.7' W/O



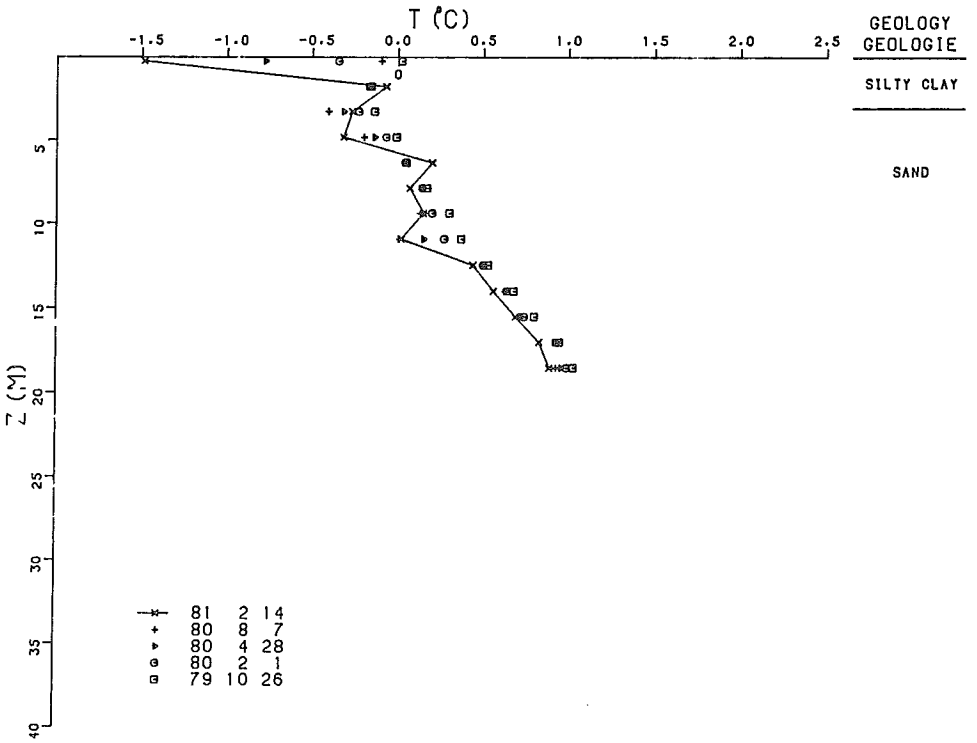
231 FOOTHILLS CS -2

60° 47.8' N 135° 56.7' W/O



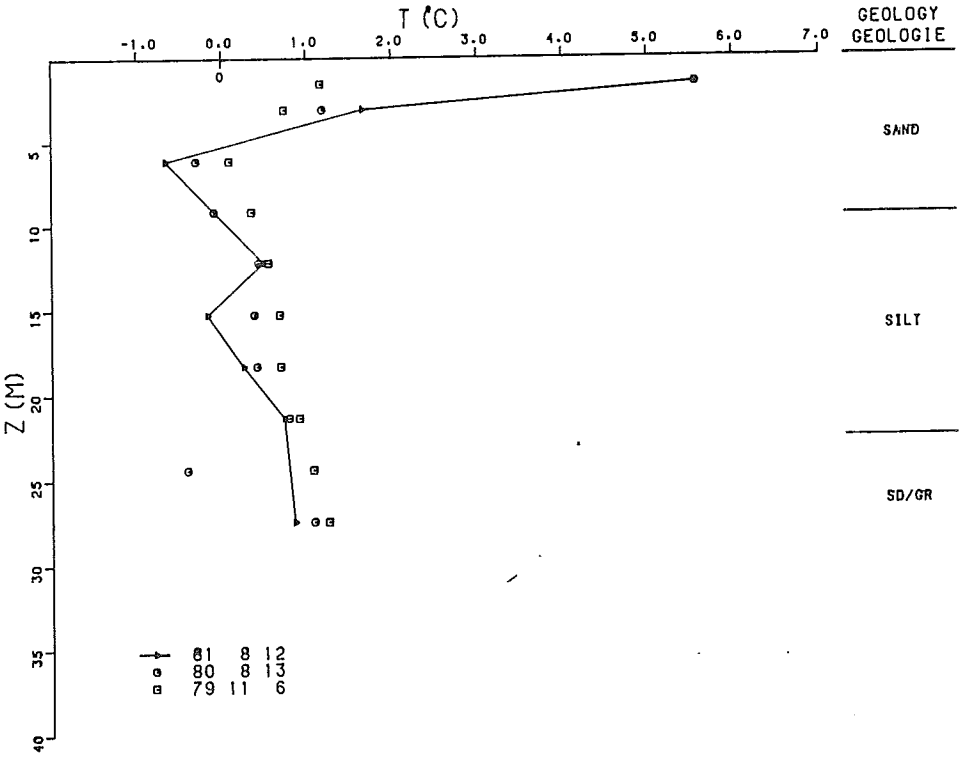
231 FOOTHILLS CS -3

61° 35.0' N 134° 37.5' W/O



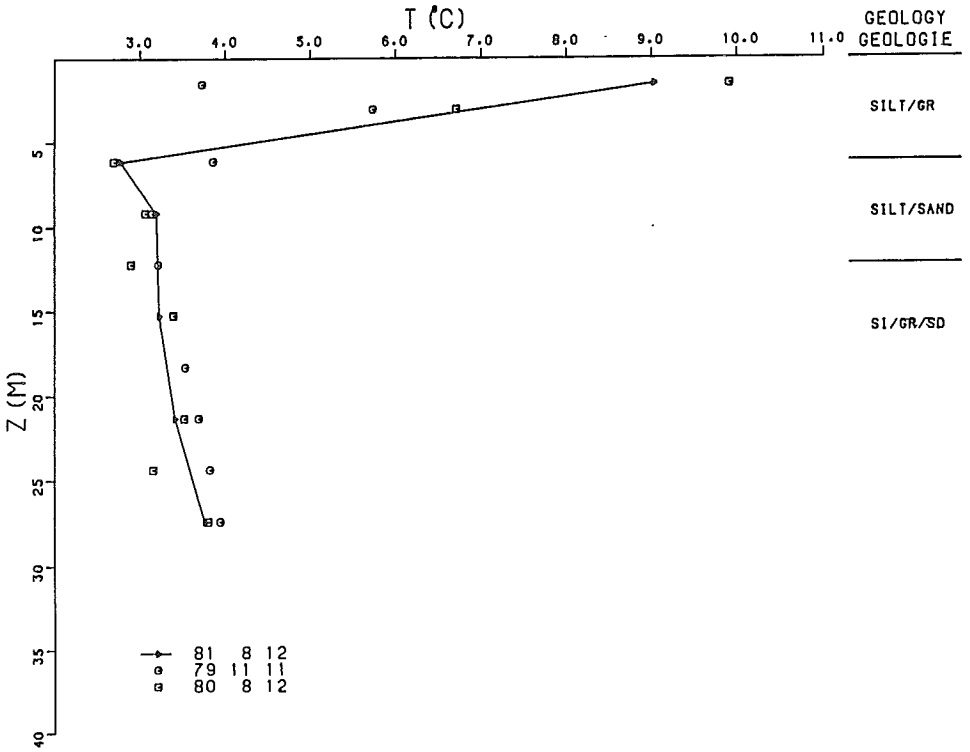
232 MONENCO -1

62° .9' N 136° 49.0' W/O



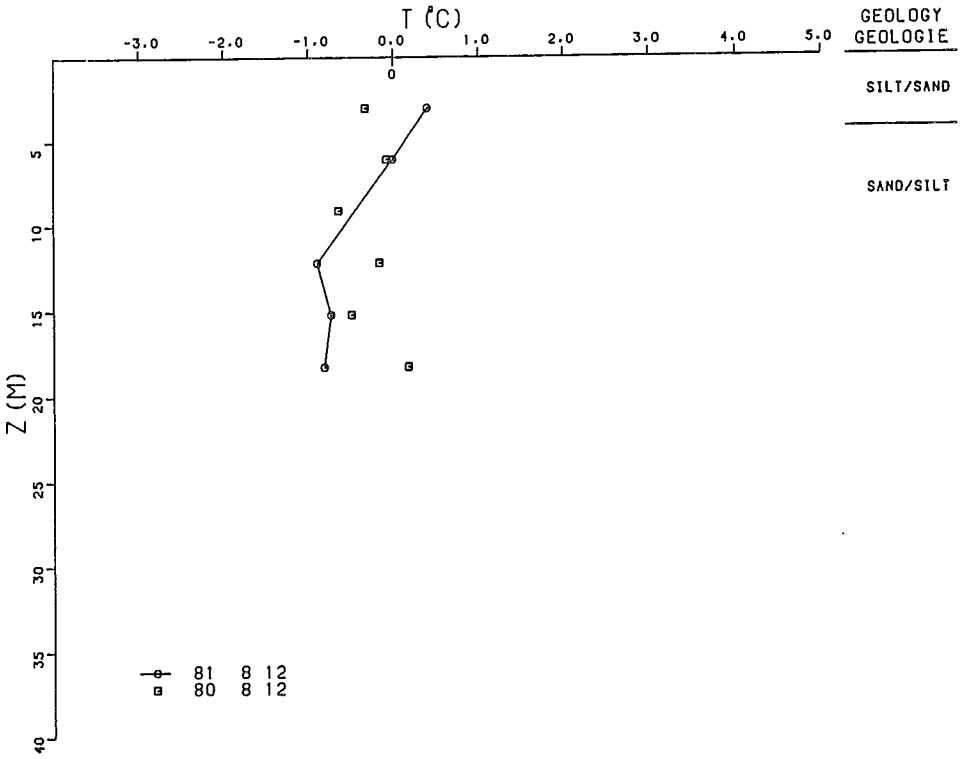
232 MONENCO -2

62° 17.5' N 136° 14.5' W/O



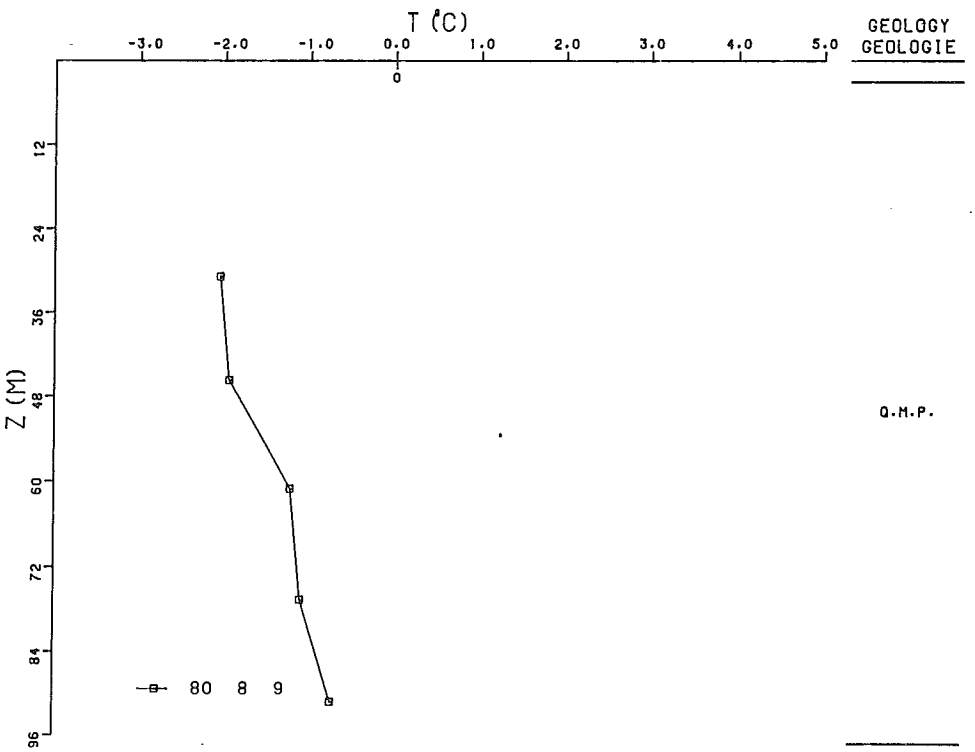
232 MONENCO -3

62° 20.3' N 136° 22.6' W/O



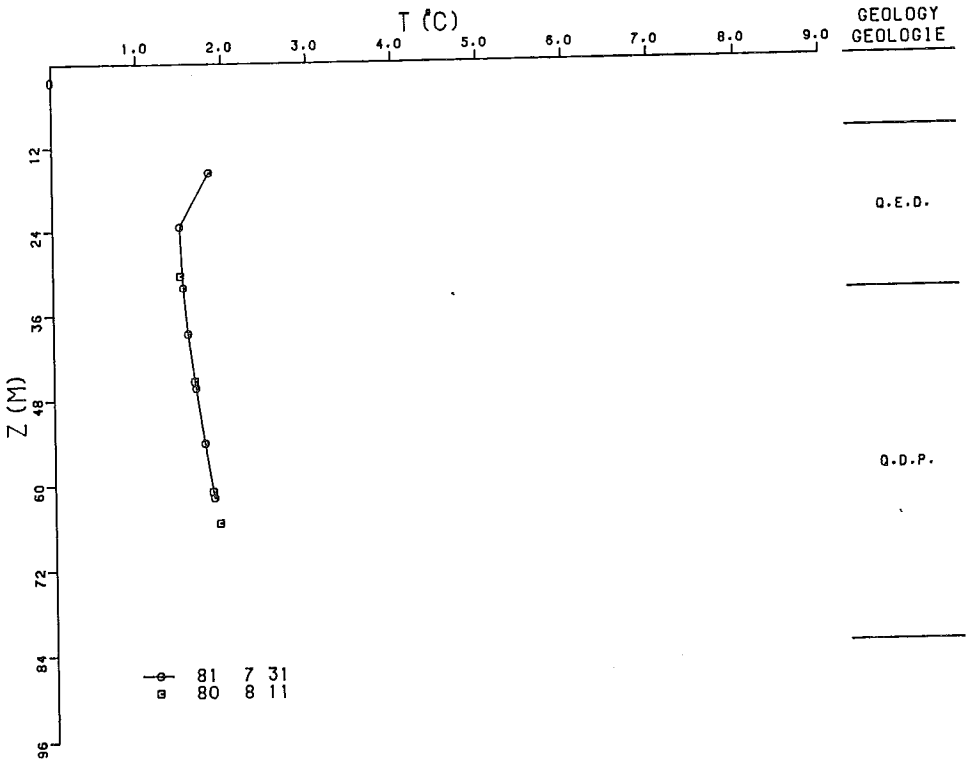
289 RED MOUNTAIN -5

60° 59.5' N 133° 44.8' W/O



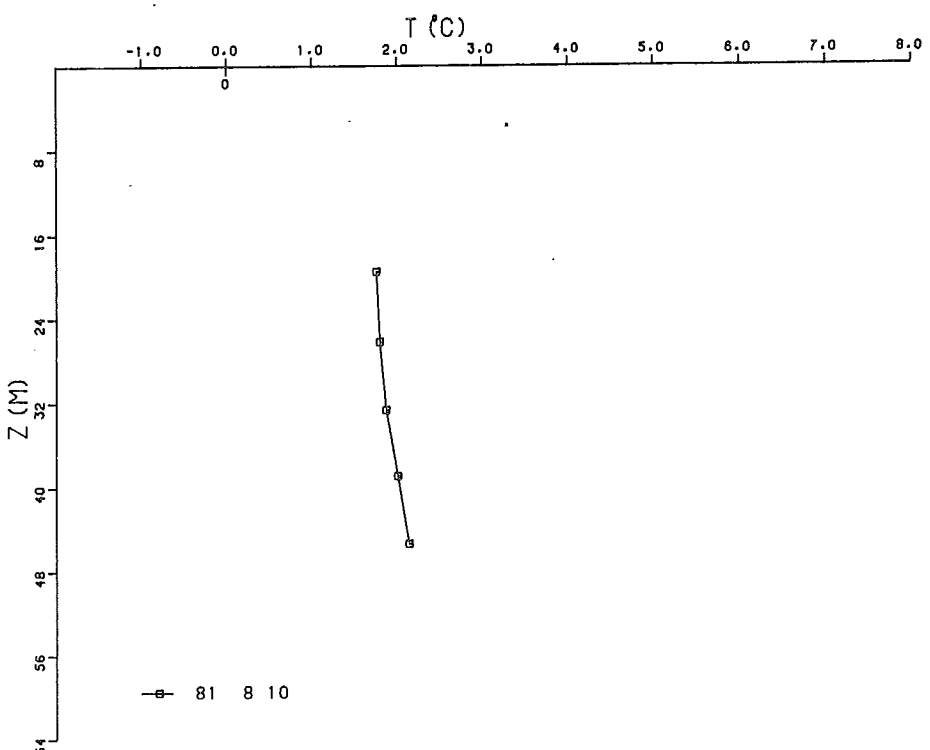
289 RED MOUNTAIN -6

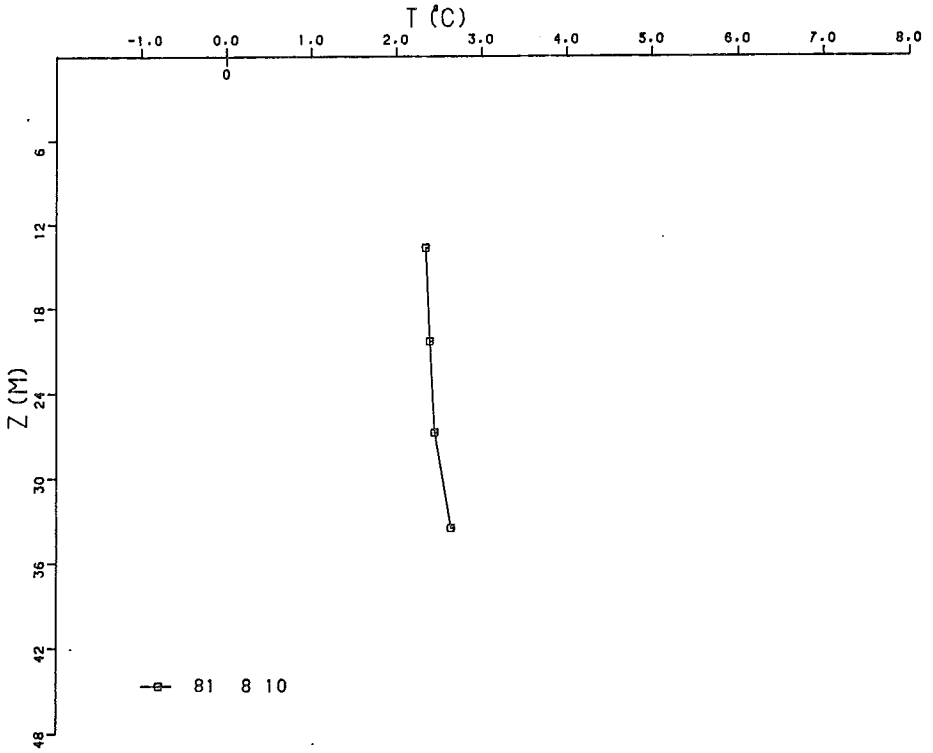
60° 59.6' N 133° 44.7' W/O



296 MACMILLAN PASS -6

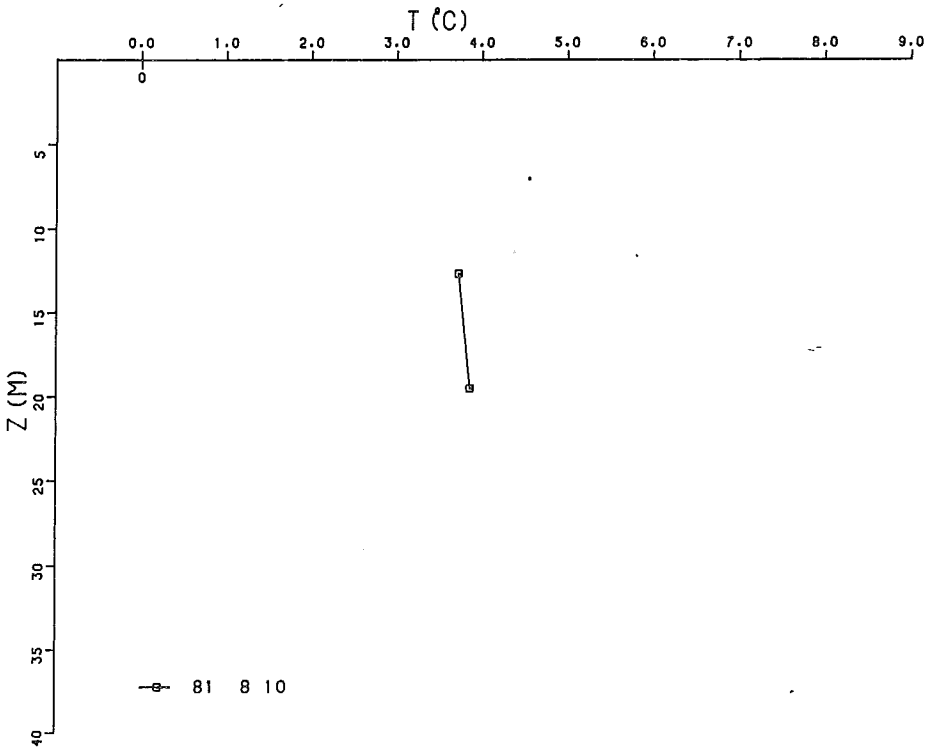
63° 9.3' N 130° 16.2' W/O





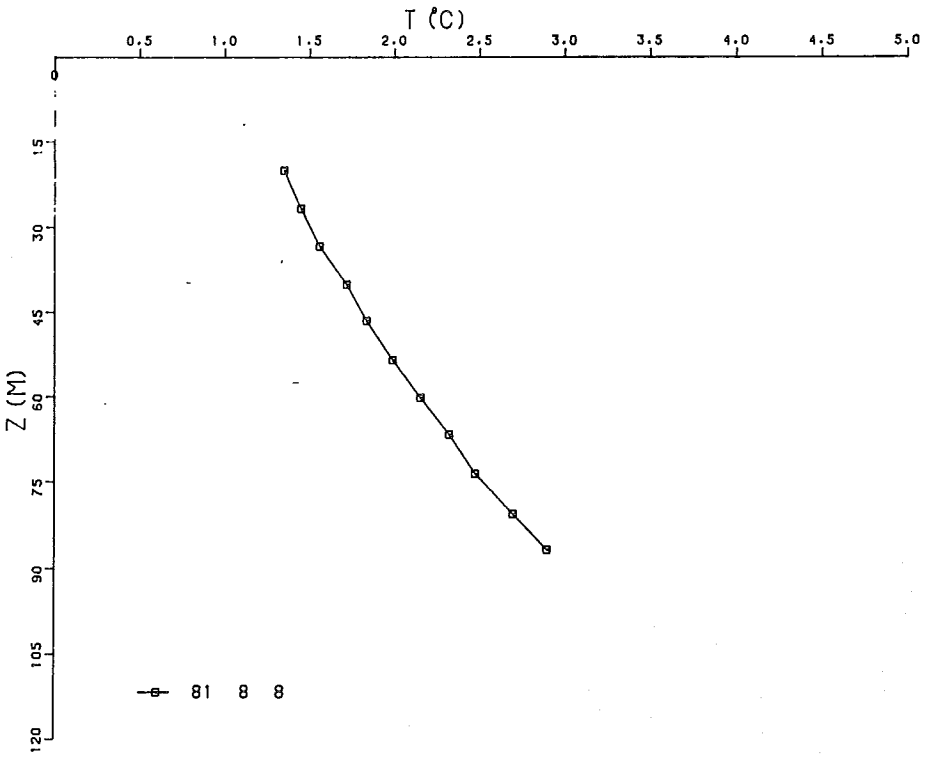
296 MACMILLAN PASS -8

63° 8.8' N 130° 14.8' W/O



297 OTTER CREEK -1

60° 20.9' N 127° 23.8' W/O

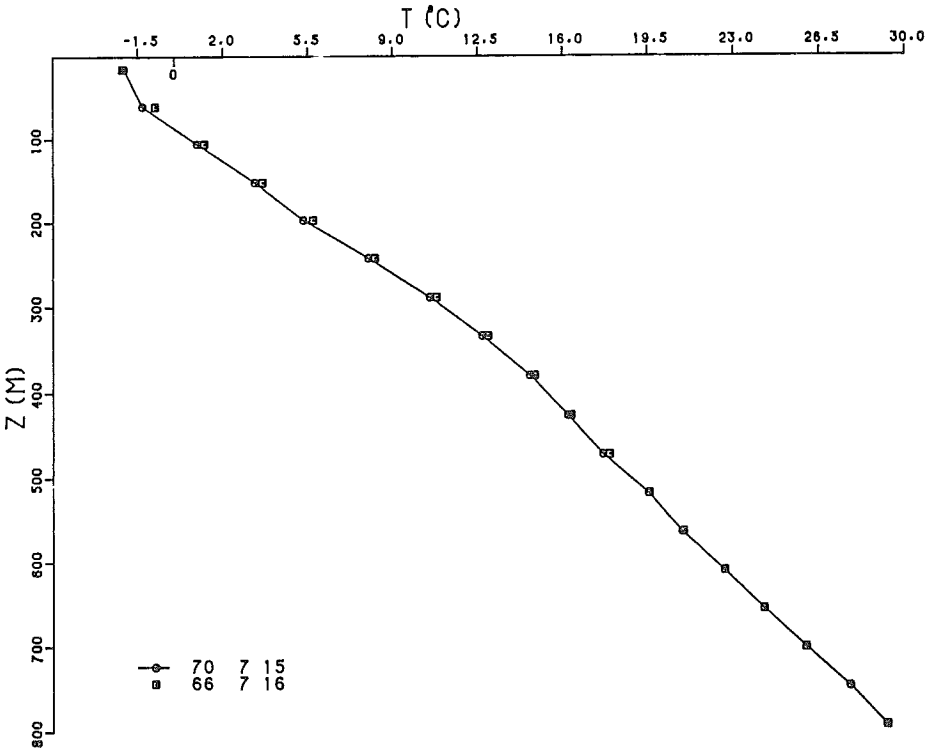


Appendix 2

Section iii) Deep boreholes
(125m)

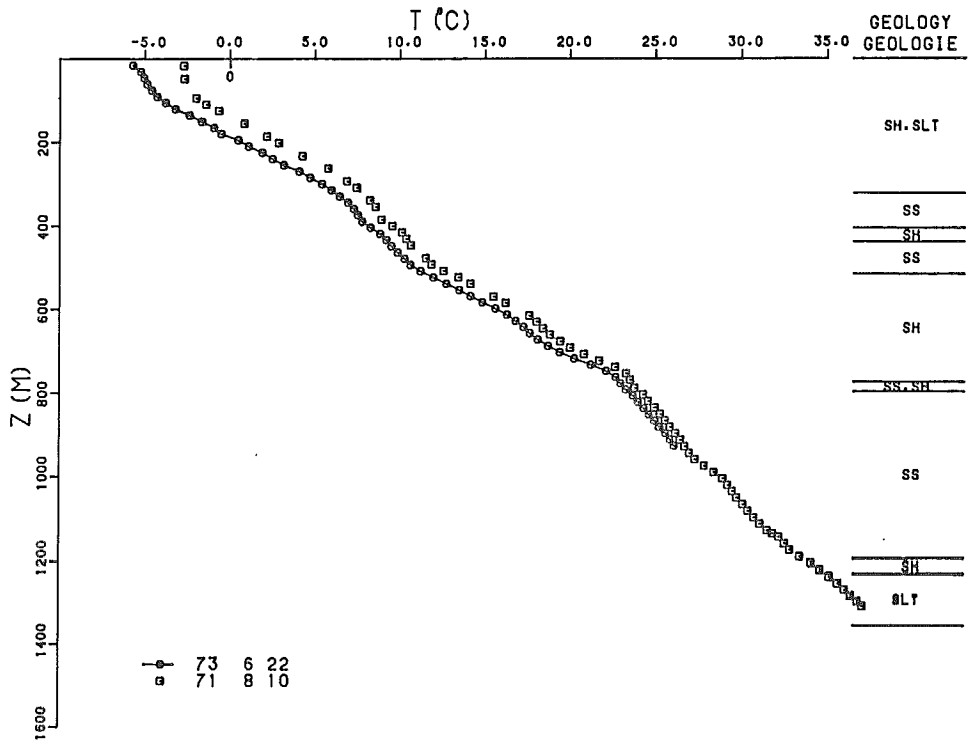
62 NORTH CATH B-62

66° 11.2' N 138° 41.6' W/O



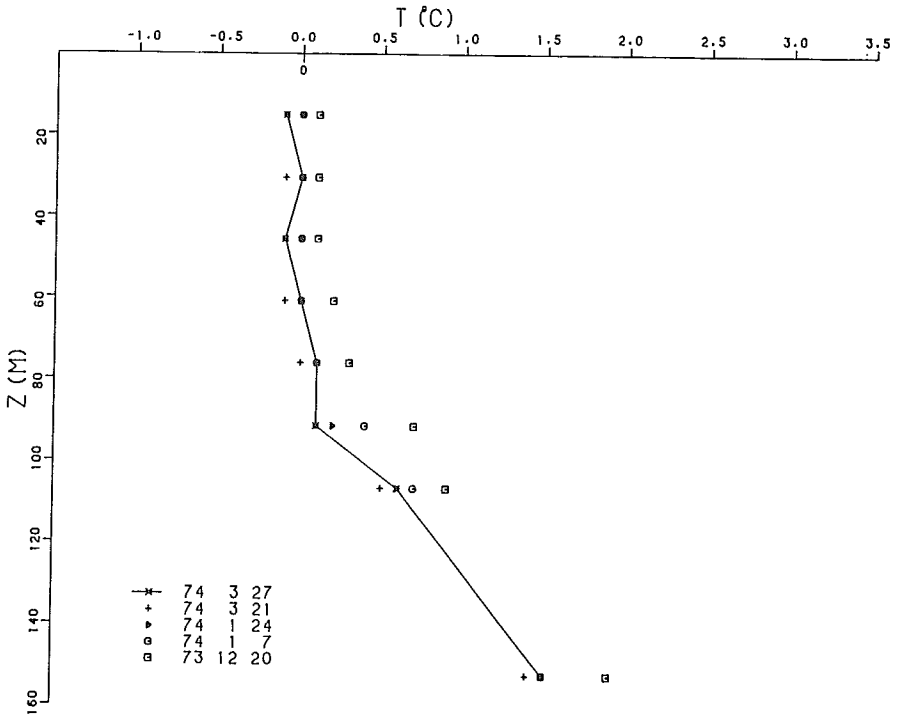
89 BEAVER HOUSE CREEK H-13

68° 22.3' N 135° 33.0' W/O



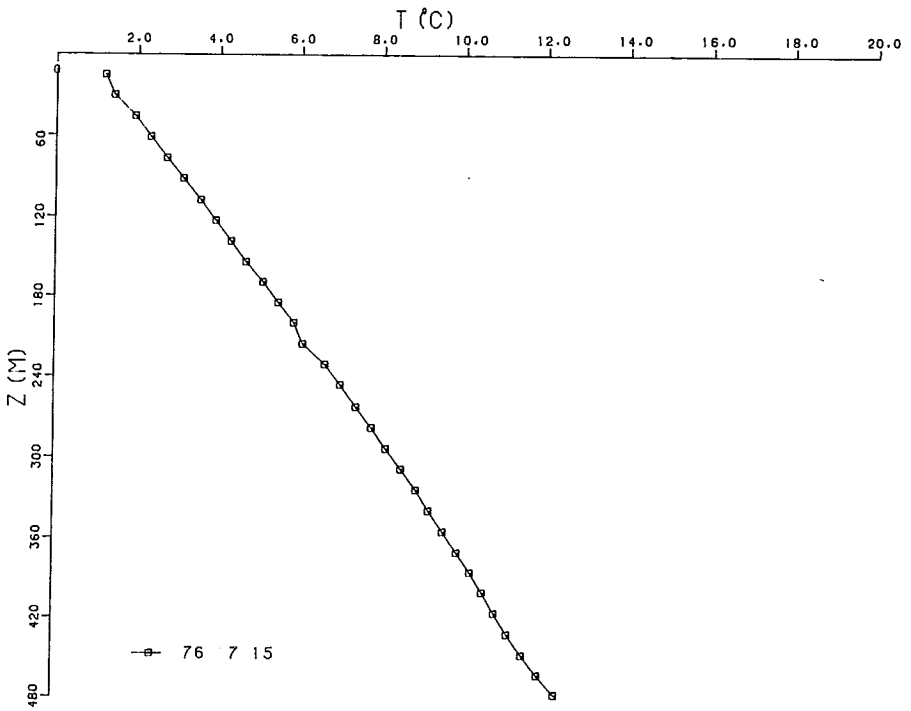
112 CLINTON CREEK -1

64° 26.3' N 140° 44.5' W/O



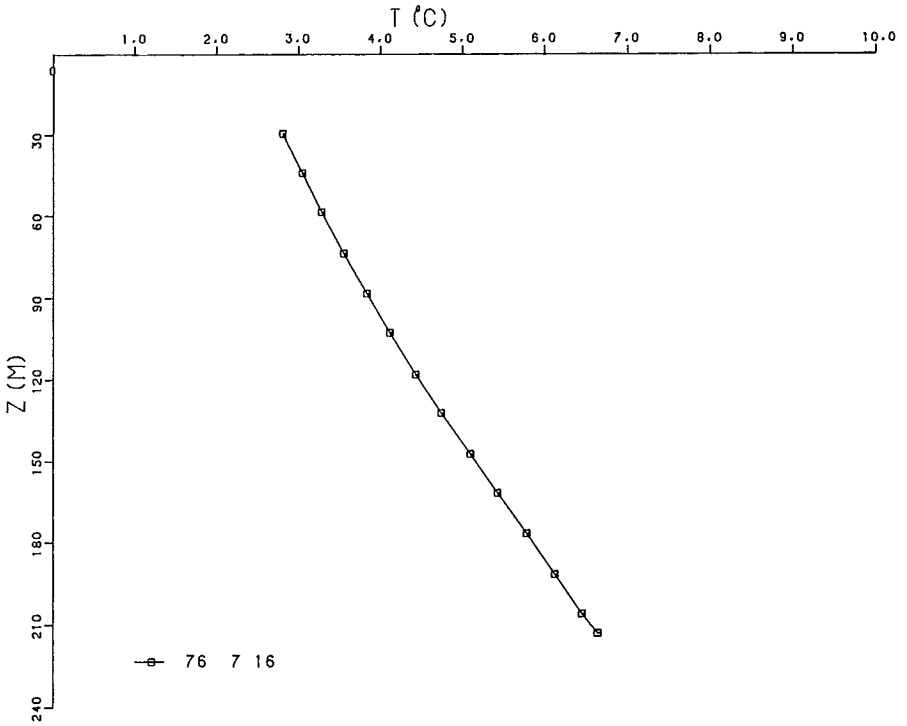
122 WHITEHORSE COPPER -1

60° 37.4' N 135° 3.2' W/O



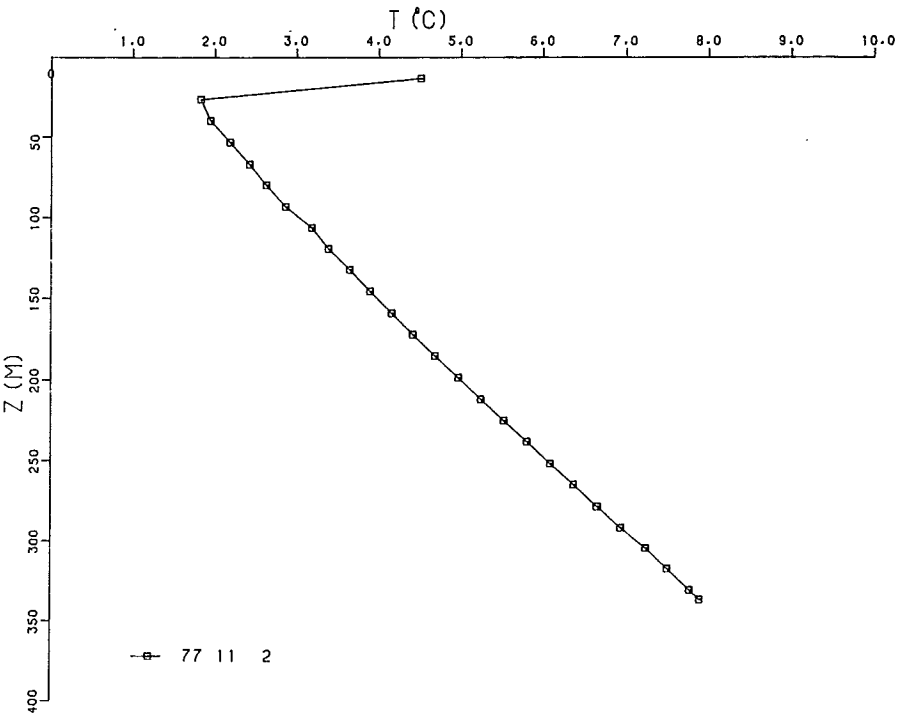
122 WHITEHORSE COPPER -2

60° 45.1' N 135° 7.9' W/O



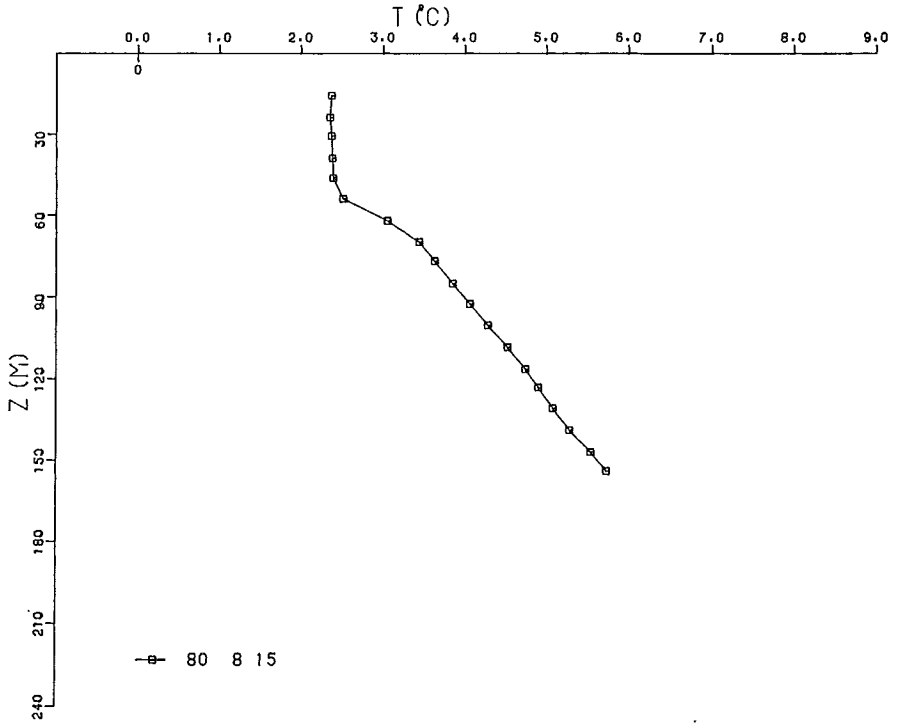
122 WHITEHORSE COPPER -3

60° 45.0' N 135° 11.0' W/O



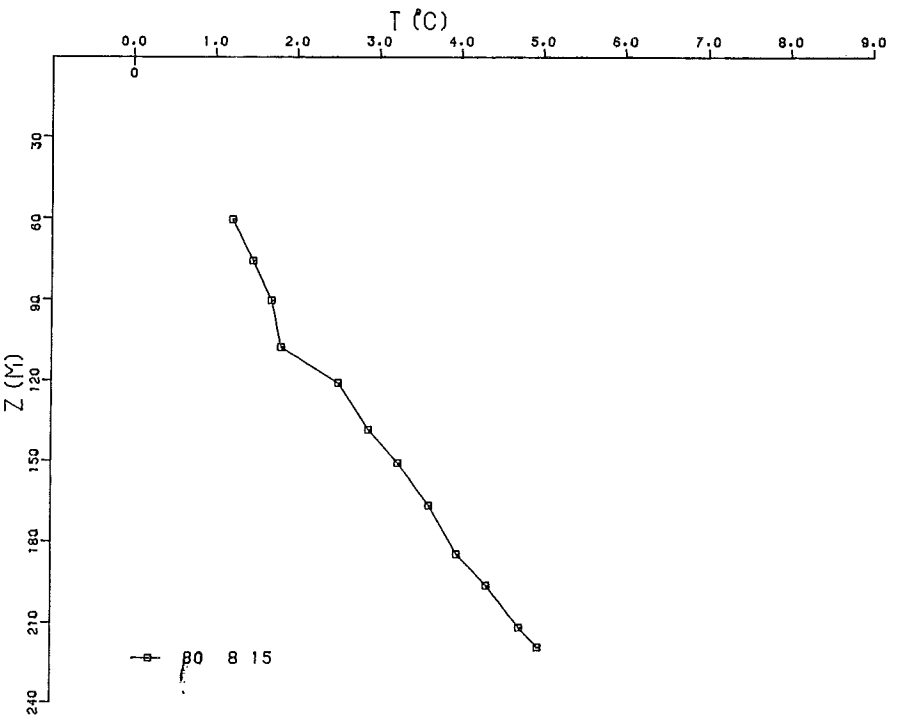
139 LOGTUNG -1

60° .5' N 131° 36.0' W/O



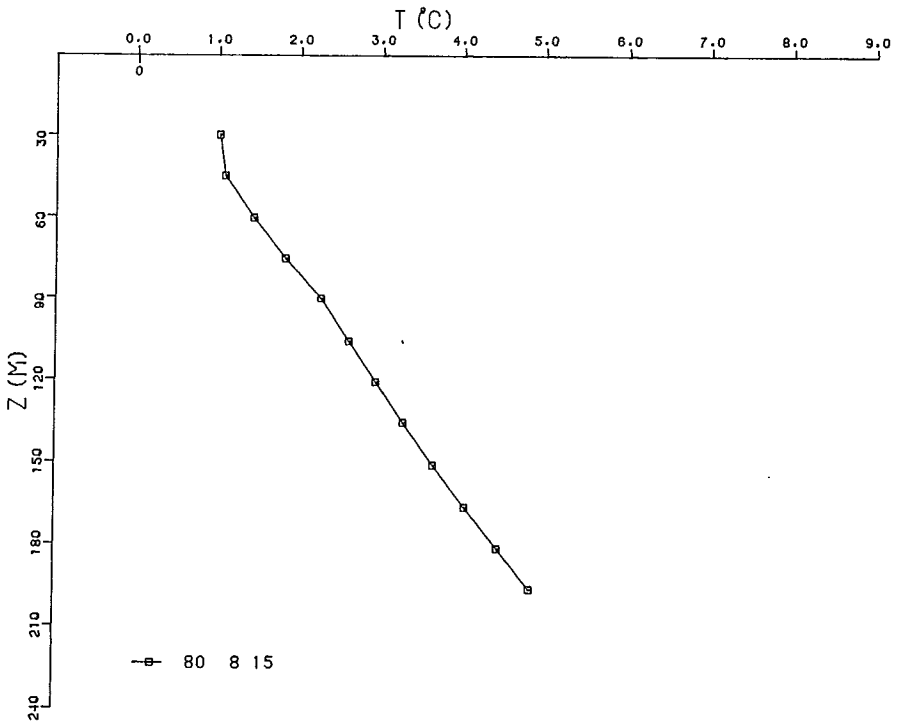
139 LOGTUNG -2

60° .5' N 131° 36.4' W/O



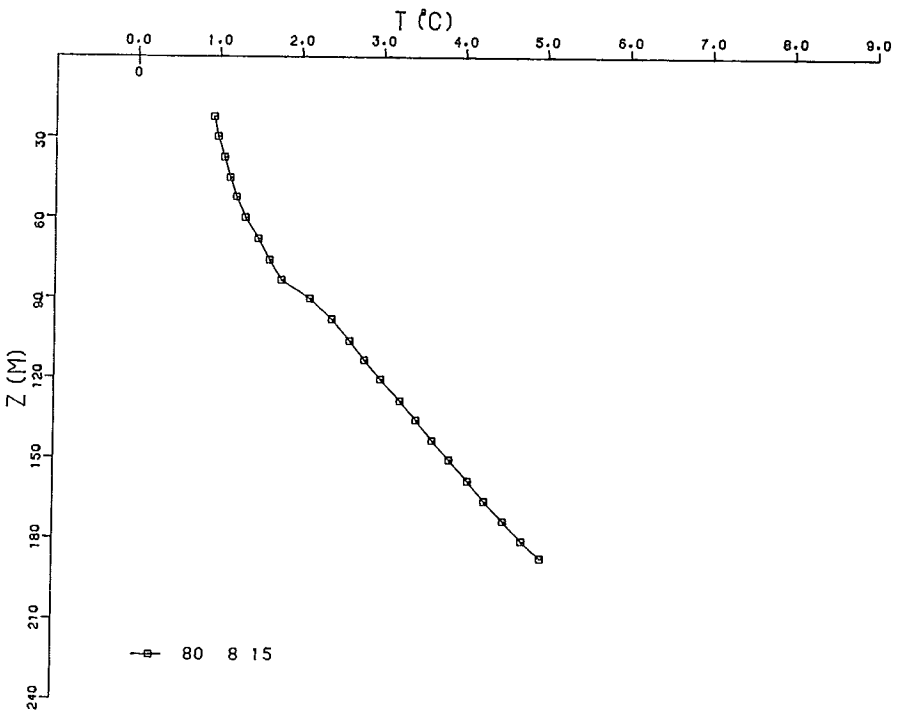
139 LOGTUNG -3

60° .6' N 131° 36.2' W/O

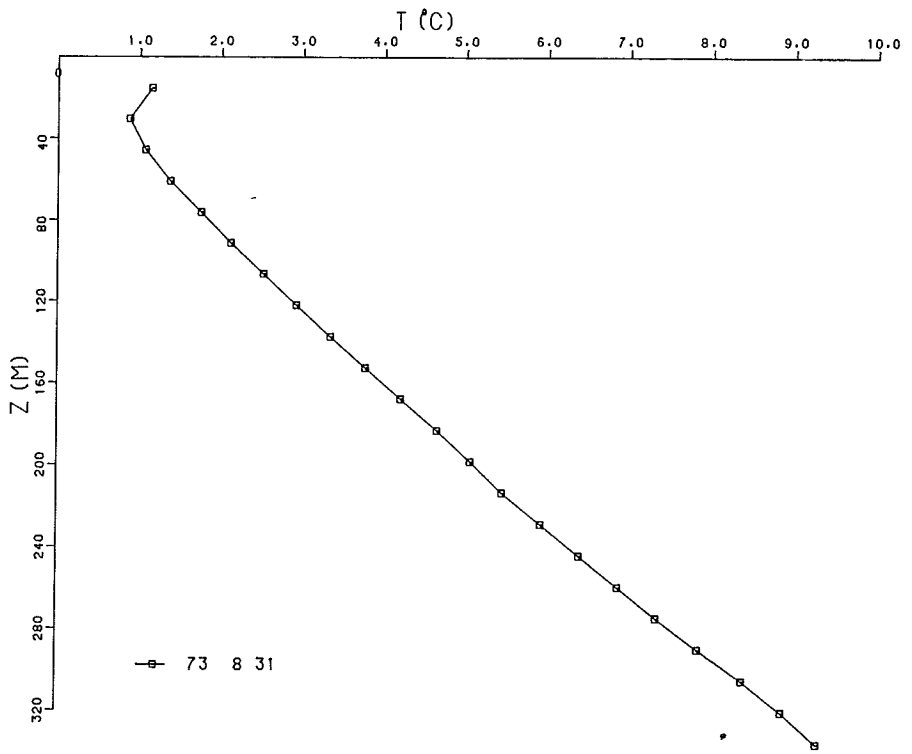


139 LOGTUNG -4

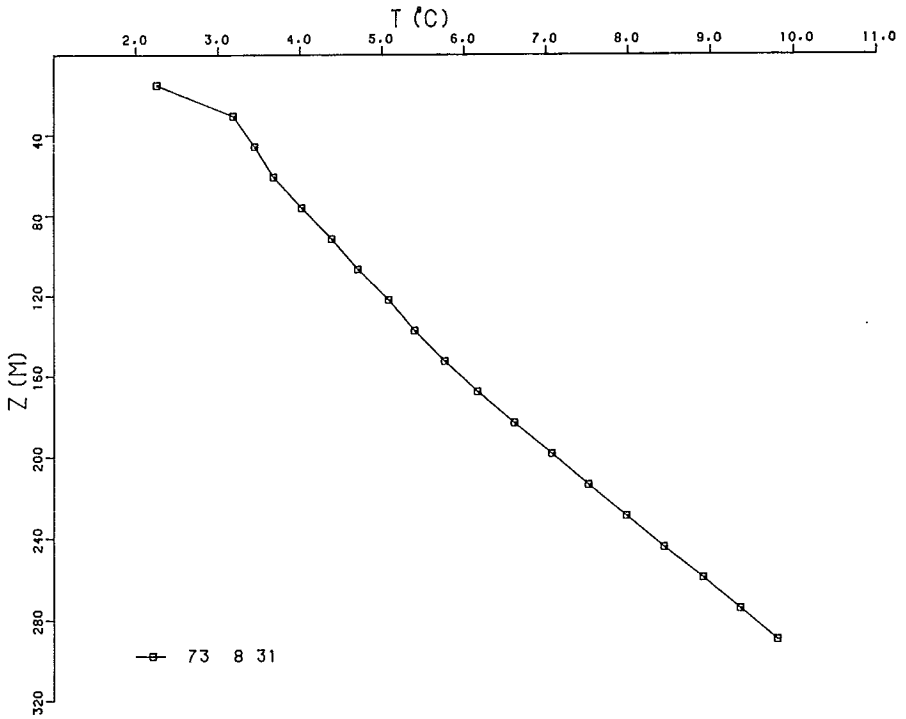
60° .7' N 131° 36.3' W/O



188 RUBY CREEK -1
59° 42.7' N 133° 24.8' W/O

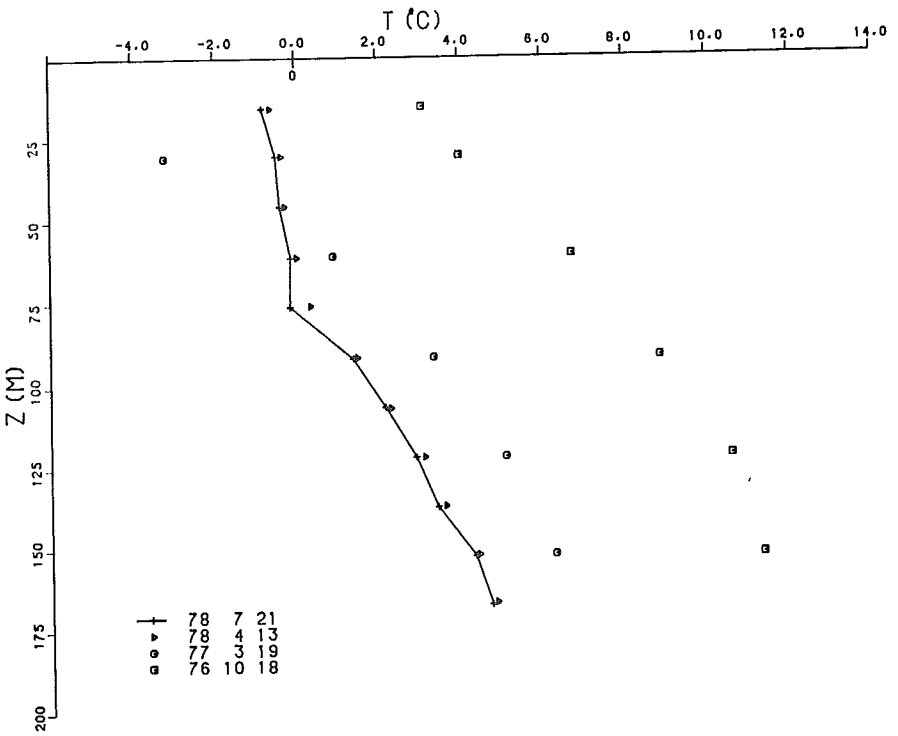


188 RUBY CREEK -2
59° 42.8' N 133° 24.1' W/O



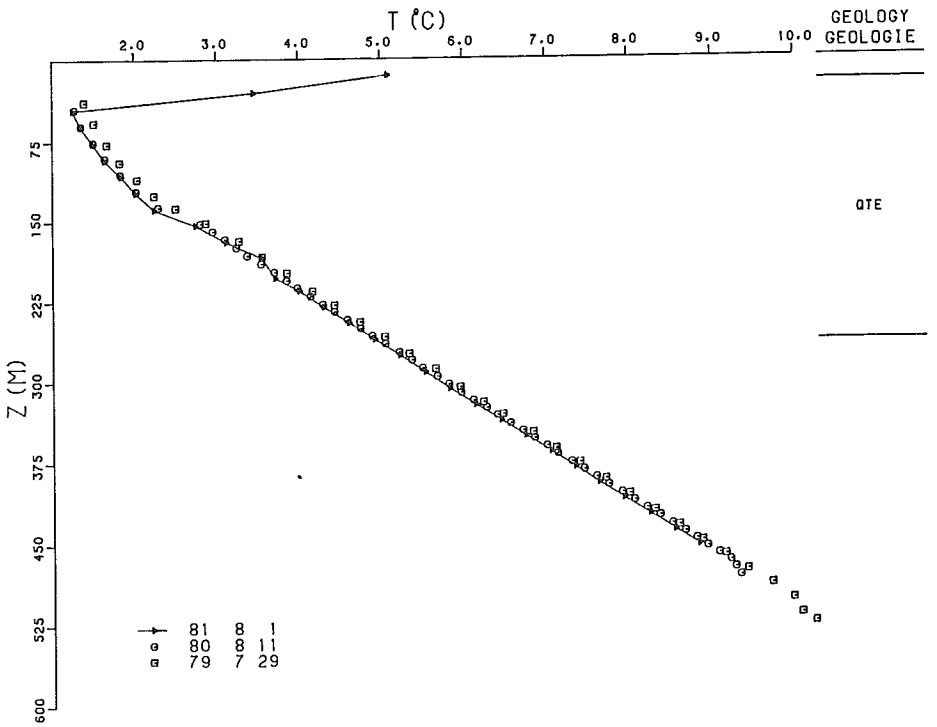
276 ULU A-35

68° 44.0' N 135° 52.9' W/O



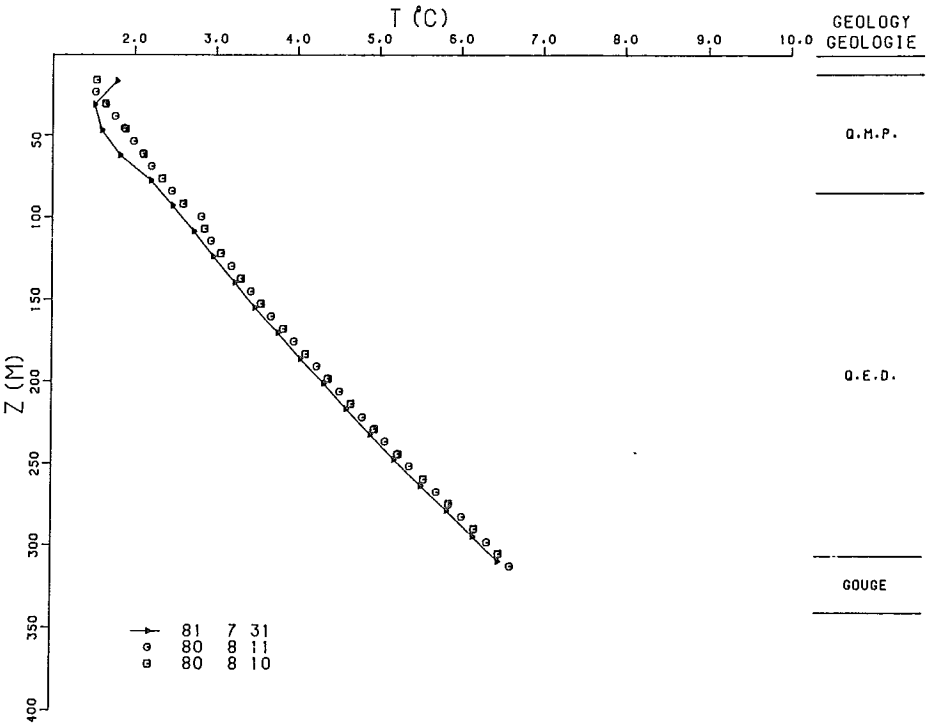
289 RED MOUNTAIN -1

60° 59.6' N 133° 45.3' W/O



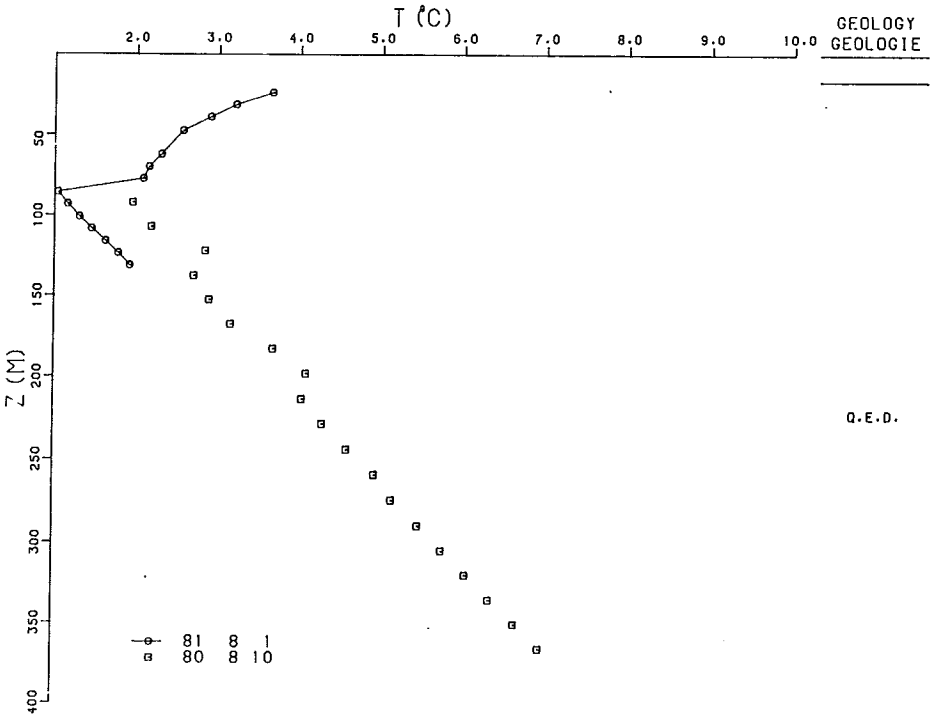
289 RED MOUNTAIN -2

60° 59.6' N 133° 44.7' W/O



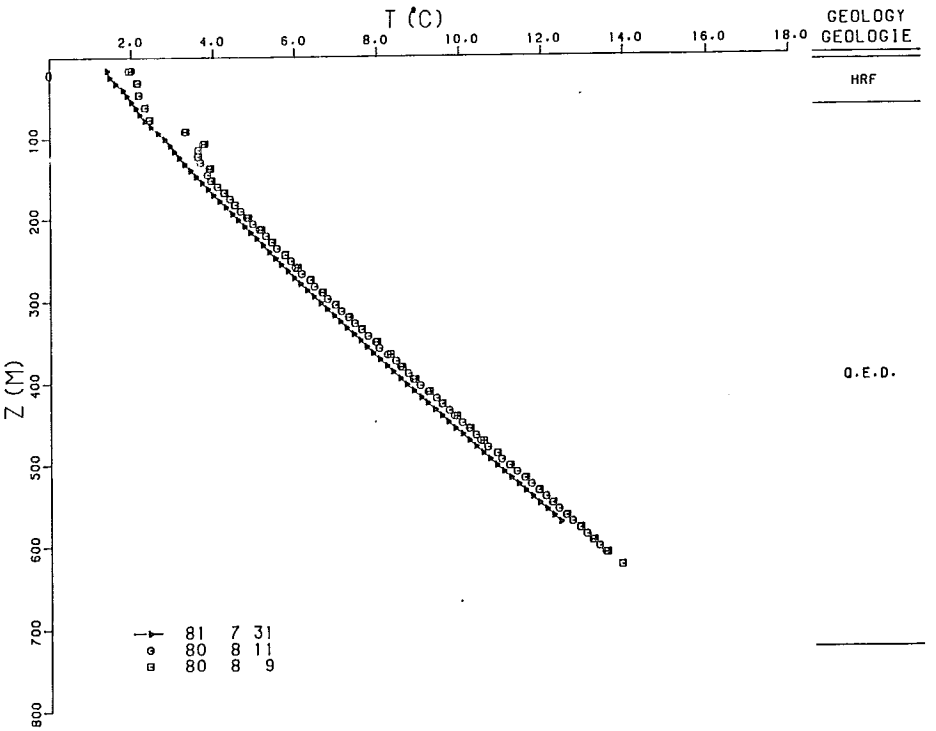
289 RED MOUNTAIN -3

60° 59.6' N 133° 44.8' W/O



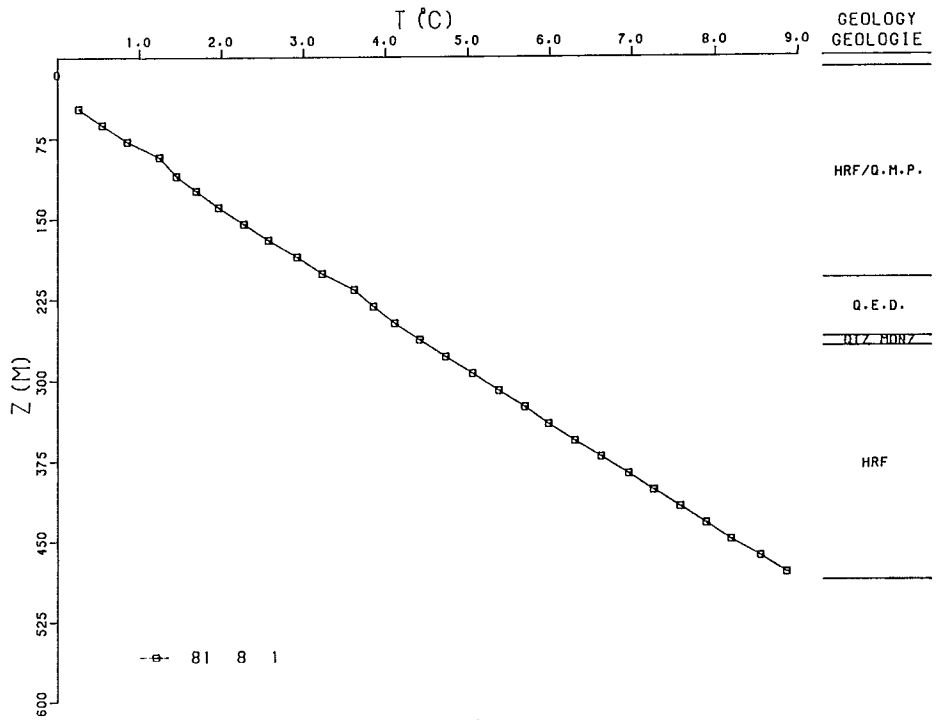
289 RED MOUNTAIN -4

60° 59.6' N 133° 44.7' W/O



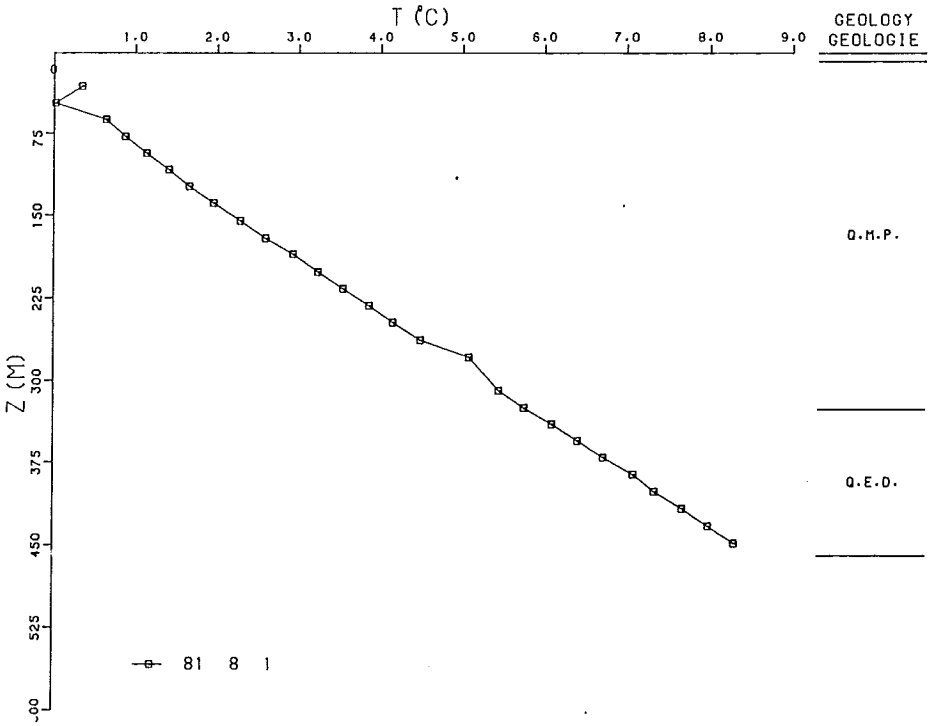
289 RED MOUNTAIN -7

60° 59.6' N 133° 45.2' W/O



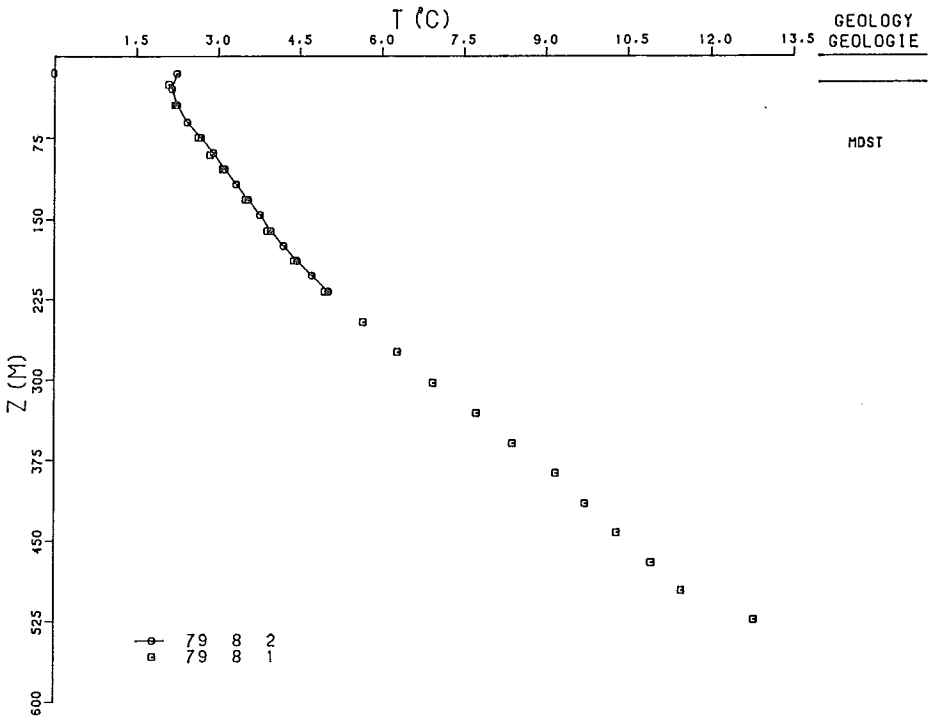
289 RED MOUNTAIN -8

60° 59.6' N 133° 44.9' W/O



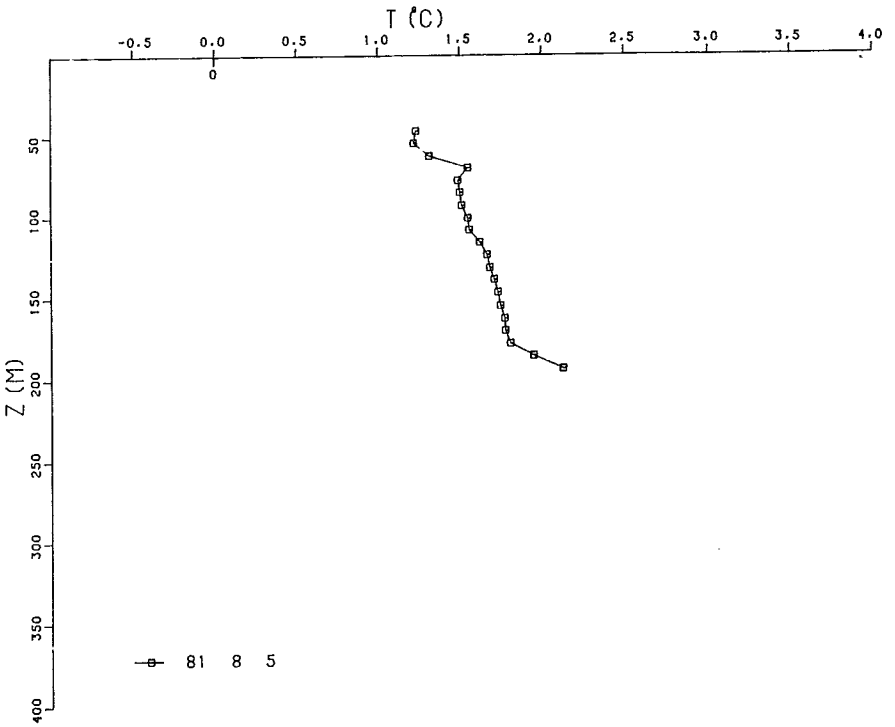
290 HOWARDS PASS -1

62° 34.0' N 129° 32.5' W/O



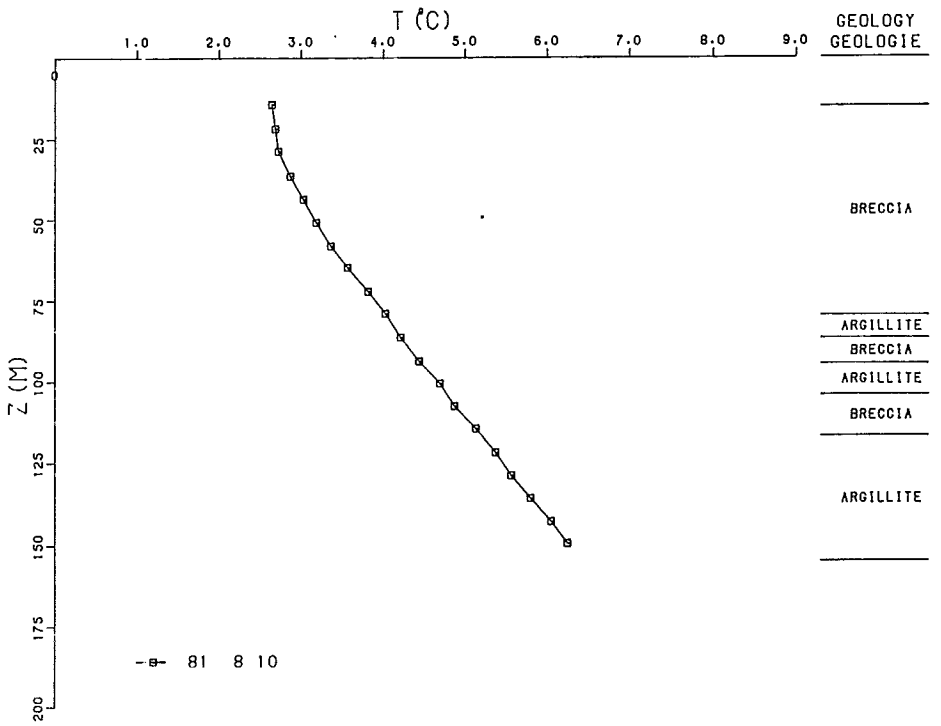
290 HOWARDS PASS -2

62° 27.0' N 129° 24.0' W/O

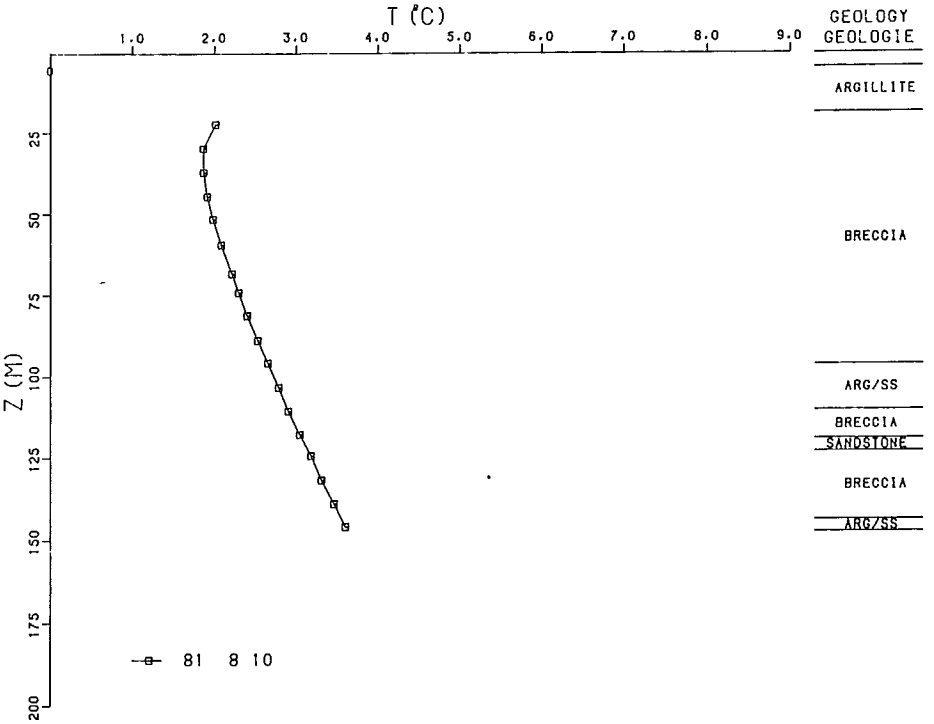


296 MACMILLAN PASS -1

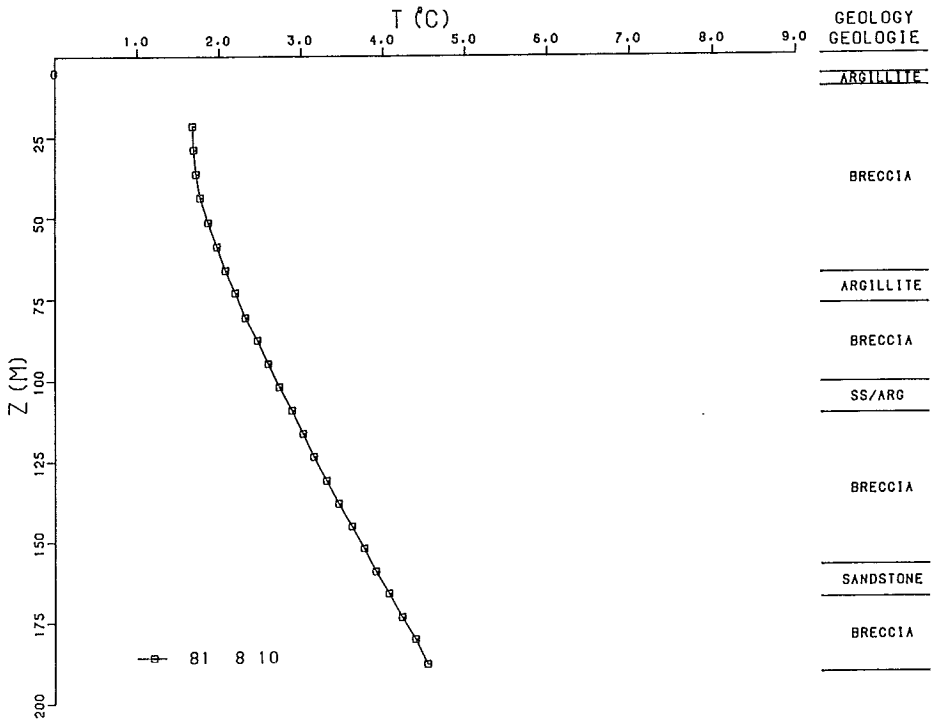
63° 8.9' N 130° 15.2' W/O



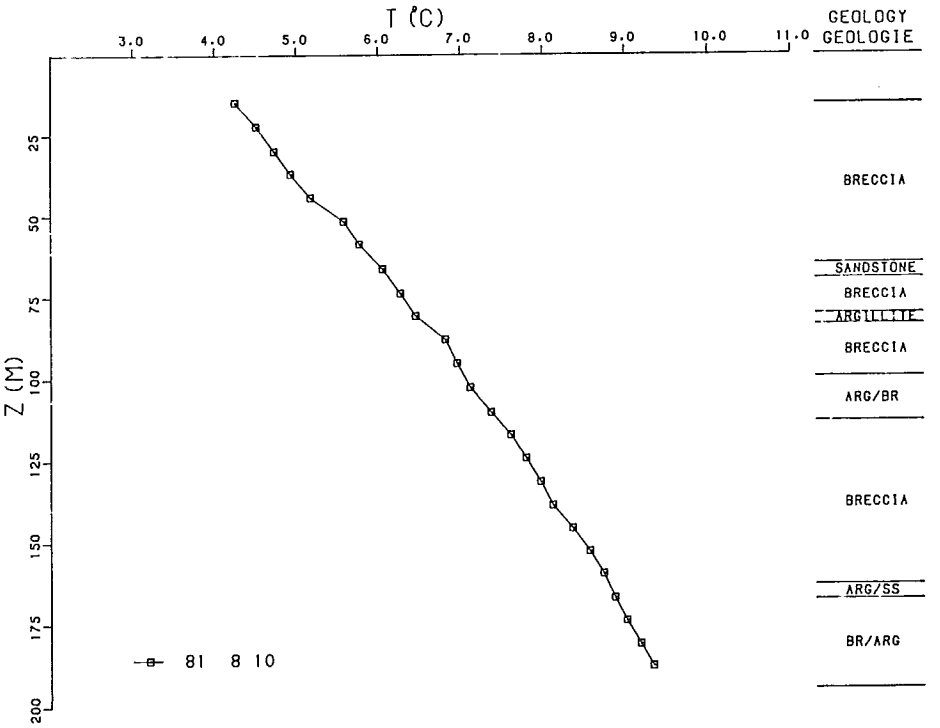
296 MACMILLAN PASS -2
63° 9.0' N 130° 15.6' W/O



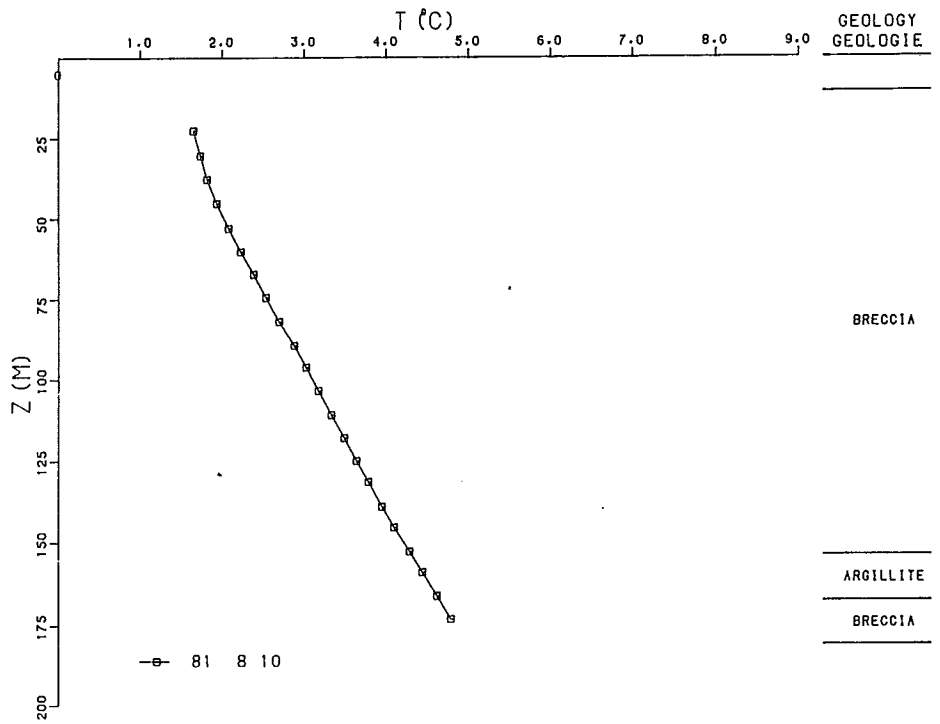
296 MACMILLAN PASS -3
63° 9.1' N 130° 15.8' W/O



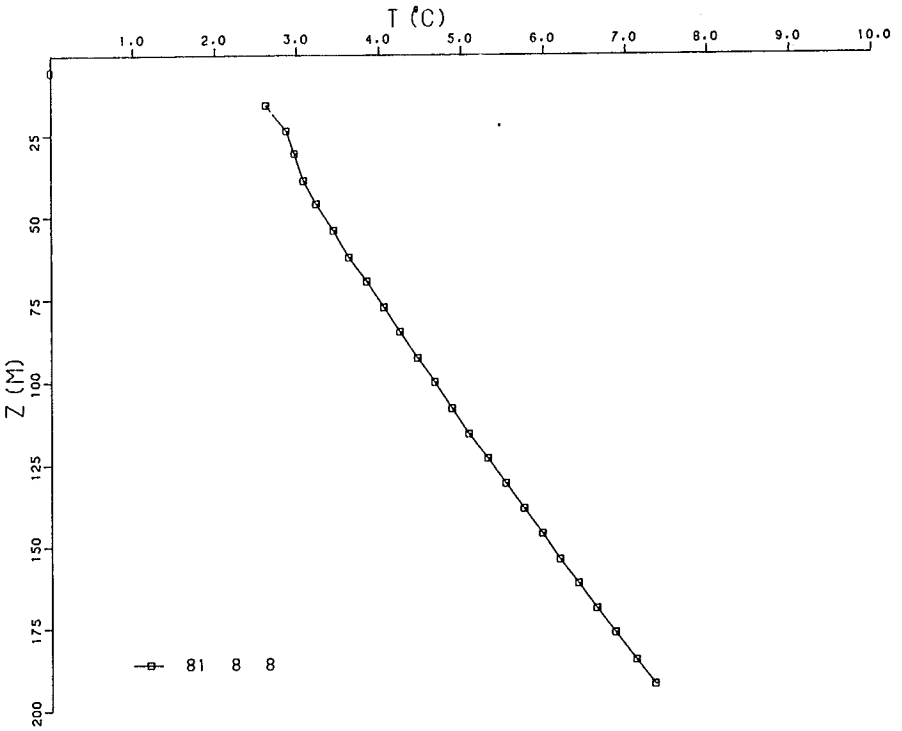
296 MACMILLAN PASS -4
63° 8.9' N 130° 15.0' W/0



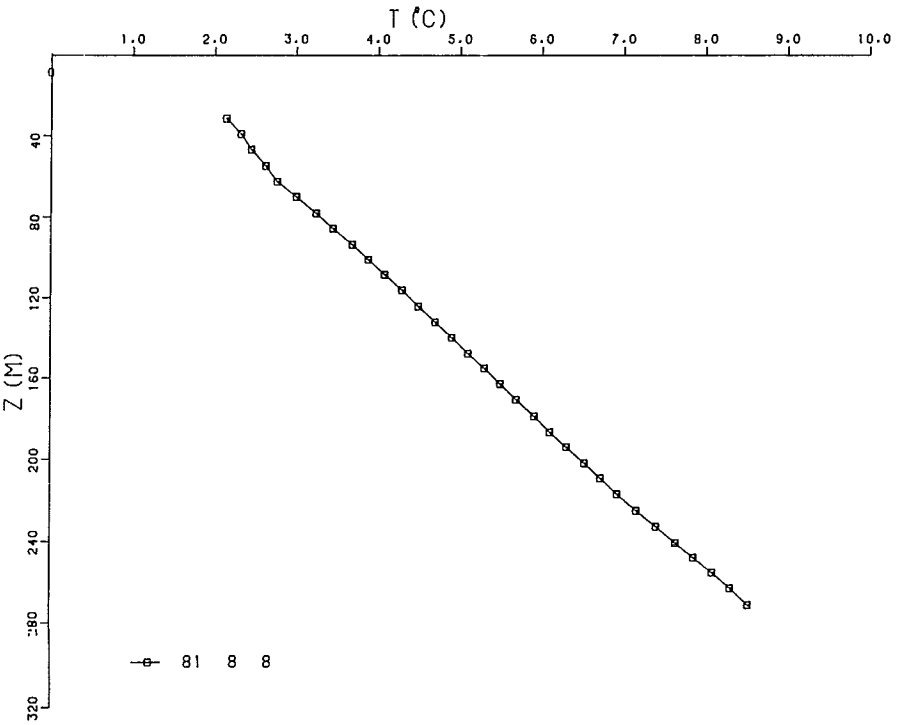
296 MACMILLAN PASS -5
63° 8.9' N 130° 15.8' W/0



297 OTTER CREEK -2
60° 21.2' N 127° 23.8' W/O



297 OTTER CREEK 3
60° 21.3' N 127° 23.8' W/O



0 BLOW RIVER

68° 46.3' N 137° 27.2' W/0