ASSESSMENT REPORT

INDUCED POLARIZATION AND DIAMOND DRILLING

Heath #1, #2, #3, #15, #17, #14, #21, #22, #23
#24, #25, #26, #27 CLAIMS

OMINECA MINING DIVISION

NTS 93N/6

Latitude 55° 20'N
Longitude 125° 10'W

OWNER: INDATA RESOURCES LTD.

OPERATOR: TECK EXPLORATIONS LTD.

by

J.R. Toohey (Teck Exploration Ltd.)
P. Donkersloot (Teck Exploration Ltd.)
P. Cartwright (Pacific Geophysical Ltd.)
M. Cormier (Pacific Geophysical Ltd.)

DECEMBER 13, 1991

SUMMARY

The Heath property, is located in the Nation Lakes area at the southern end of the Omineca Mountains, 215 kilometres northwest of Prince George, B.C. It includes 177 claim units covering an area of 44 square kilometres on the southwest flank of Mt. Nation. Copper mineralization was discovered in 1968 and the property was explored as a porphyry Cu target by Amax, Senate Mining and Exploration, and Nation Lake Mines between 1968 and 1973. Soil sampling by the vendor in 1988 returned Au analyses up to 1035 ppb and interest in the property was renewed.

In 1989 and 1990 Teck collected 6431 soil samples, completed 86 line kilometres of ground magnetics and VLF-EM and 9.2 line kilometres of IP, carried out a 1600 linear metre excavator trenching program, and drilled 2 winky holes (121.92 metres). An additional 70.2 line kilometres of IP were completed in 1991 followed by 968.96 metres of helicopter supported diamond drilling.

The claims are situated on the western edge of **Quesnellia**, flanking the **Pinchi fault**. They are underlain by island arc volcanics of the **Takla Group** (U. Trias. - L. Jur.) and comagmatic intrusive rocks of the **Hogem batholith**. A number of porphyry Cu-Au deposits occur in this area of the southern Hogem batholith, including the **Mt. Milligan, Chuchi, Col and Camp** properties. The Pinchi fault is the locus of significant precious- and base-metals mineralization as at the nearby **Lustdust** and **Indata** properties.

Diorite of the Hogem batholith is the dominant lithology mapped on the property. It is characterized by pervasive propylitic and potassic alteration and local carbonatization. Limited hand-trenching carried out in 1968 had exposed magnetite-chalcopyrite fissure veins (assaying up to 8.30% Cu over 3.1 metres and 0.040 opt Au over 3.7 metres) and stockworks and disseminations of galena, sphalerite, chalcopyrite and tetrahedrite (with grab samples assaying up to 0.76% Cu, 0. 145 opt Au, 41.40 opt Ag, 6.48% Zn and 4.16% Pb).

The IP survey completed in 1991 identified several broad high-chargeability anomalies coincident with magnetic and Cu soil anomalies. The subsequent ten hole drill program, designed to test these coincident anomalies, failed to intersect economically important grades and thicknesses of porphyry Cu-Au mineralization.

The soil geochemistry and IP effect in many areas remain unexplained by the results returned to date and several targets have not been adequately tested. A program of geochemical anomaly follow-up is recommended to locate and characterize bedrock metal sources prior to further drilling.

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INTRODUCTION

Teck Exploration Ltd. held the Heath property under option from August, 1989 to August, 1991. This report describes exploration work carried out by Teck between June 1 and August 15, 1991, including:

70.2 line-kilometres of pole-dipole time domain IP and resistivity surveys, and
968.96 metres of diamond drilling.

LOCATION AND ACCESS

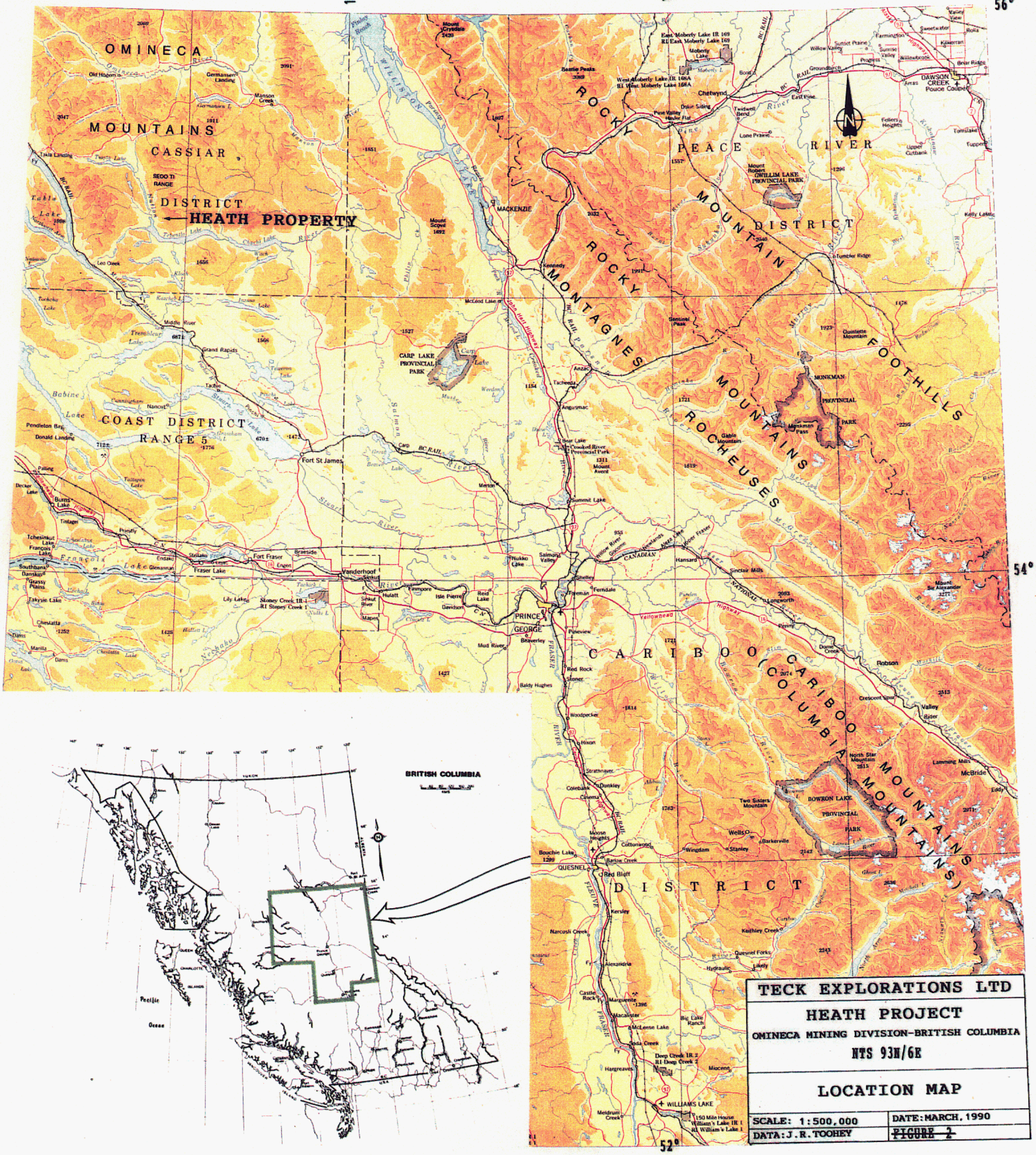
The Heath property, situated 105 kilometres northwest of Ft. St. James, covers the southwest flank of Mt. Nation near the west end of Tchentlo Lake (**Figure** 1). It is presently accessible only by floatplane or helicopter. The **Leo-Purvis forestry road**, a spur off the Leo Creek mainline extending north from Ft. St. James, ends at the west shore of Nation River within 500 metres of the western property boundary. The river may be fordable during periods of low run-off.

In 5 to 8 years the Ministry of Forests plans to construct a bridge over the Nation River and extend the present road southeastward in order to exploit merchantable timber on the southeast slopes of Mt. Nation.

PHYSIOGRAPHY AND GLACIAL HISTORY

The claims sit at the southern edge of the **Omineca Mountains.** The boundary between the Omineca Mountains and the adjacent **Nechako Plateau** lies just south of the property along the north shore of Tchentlo lake. At this physiographic boundary, south-southeastward directed Pleistocene valley glaciation, moving parallel to the upper Nation River valley, converged with the main body of the eastward advancing Cordilleran ice-sheet which covered all of the Nechako Plateau.

On the till planes to the south of the property, drumlin-like ridges and parallel grooves identified in air photographs indicate a glacial transport direction to the ENE. Ice



126°
124°
122°
120°
56°
54°
52°
OMINECA
MOUNTAINS
CASSIAR
DISTRICT
HEATH PROPERTY
COAST DISTRICT
RANGE 5
ROCKY
MOUNTAIN
PEACE
RIVER
DISTRICT
ROCKY
MONTAGNES
ROCHEUSES
MOUNTAINS
FOOTHILLS
CARIBOO
CARIBOO (COLUMBIA MOUNTAINS)
DISTRICT
MACKENZIE
PRINCE GEORGE
QUESNEL
WILLIAMS LAKE
DAWSON CREEK
Fort St James
Vanderhoof
Burns Lake
CARP LAKE PROVINCIAL PARK
MONKMAN PROVINCIAL PARK
BOWRON LAKE PROVINCIAL PARK
BRITISH COLUMBIA
Pacific Ocean
TECK EXPLORATIONS LTD
HEATH PROJECT
OMINECA MINING DIVISION-BRITISH COLUMBIA
NTS 93N/6E
LOCATION MAP
SCALE: 1:500,000
DATE: MARCH, 1990
DATA: J.R. TOOHEY
FIGURE 2

FIGURE 1

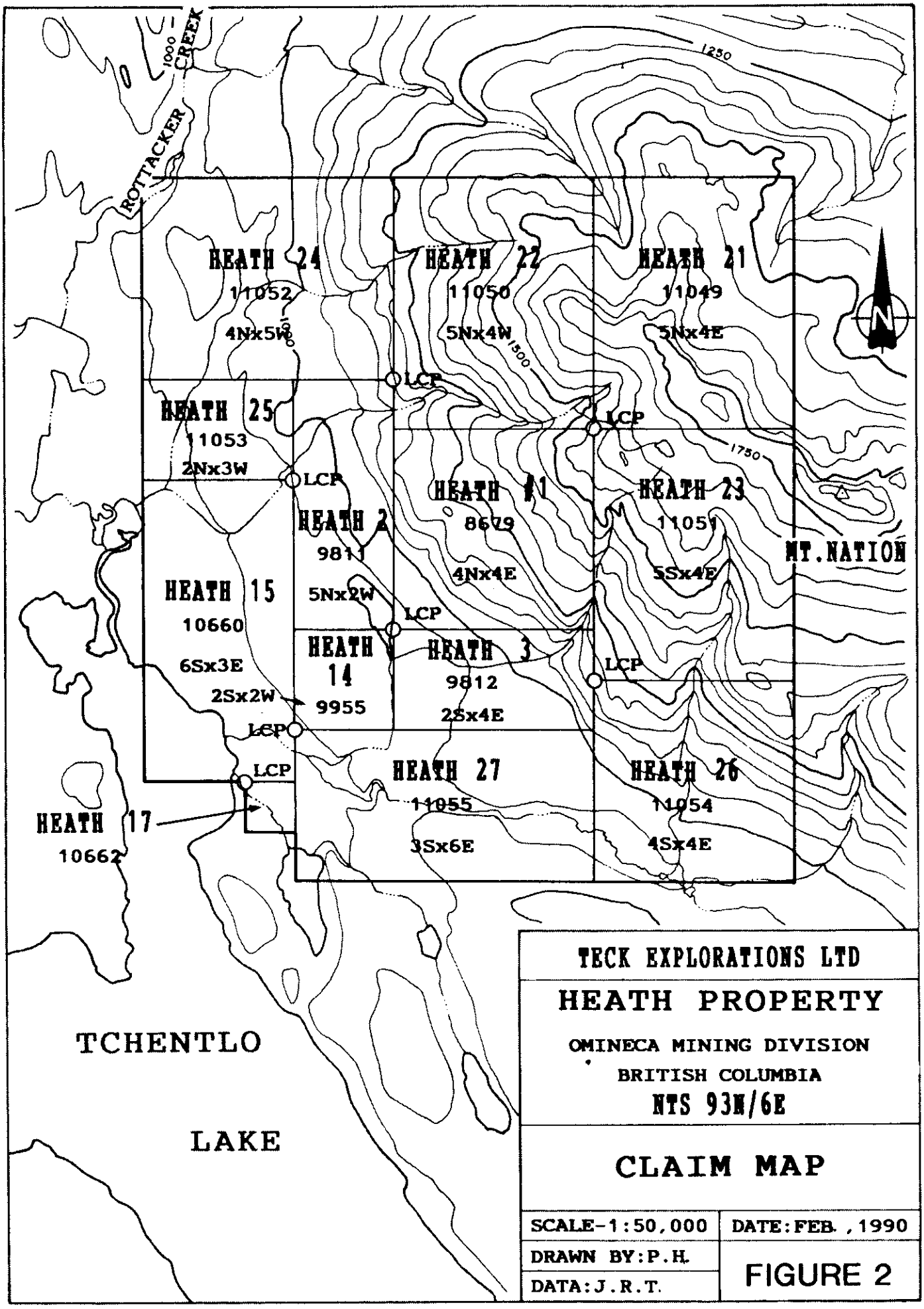
covered all of the property during the Pleistocene and advanced in directions which rotate from SSE at the north end of the claims to SE at the south end.

TOPOGRAPHY AND VEGETATION

Elevations range from 870 metres at the Tchentlo Lake to 1830 metres on the ridge crests of Mt. Nation. The lower valley slopes are gentle and forested with open jackpine and poplar. Relief is more rugged and slopes considerably steeper at intermediate elevations (950 to 1400 metres). These areas are forested with denser stands of spruce, balsam and alder. South-facing slopes near the ridge crests are rounded and more gentle than slopes at intermediate elevations but the north-facing ridge-crest slopes are steep and rugged. Alpine grasses and stunted shrubs vegetate the higher elevations.

CLAIMS STATUS AND OWNERSHIP

The property consists of the 13 contiguous **HEATH** claims comprising a total of **177 units (Figure 2)**. **Table 1** lists their status and ownership. HEATH claims numbered 1,2,3,14,15 and 17 were staked by Colin Campbell of Courtenay, B.C. Ownership of this group was transferred by Mr. Campbell to Indata Resources Ltd. in 1989. The HEATH claims numbered 21 through 27 and were staked on behalf of Teck Corporation by Mr. Campbell in September of 1989.



TECK EXPLORATIONS LTD

HEATH PROPERTY

OMINECA MINING DIVISION

BRITISH COLUMBIA

NTS 93N/6E

CLAIM MAP

SCALE-1:50,000	DATE: FEB., 1990
DRAWN BY: P.H.	FIGURE 2
DATA: J.R.T.	

TABLE 1 - CLAIMS STATUS

Claim Name	Record Number	Ownership	Number of Units	Expiry Date
HEATH #1	8679	Indata Resources	16	August 13, 1999
HEATH #2	9811	"	10	September 17, 2000
HEATH #3	9812	"	8	September 17, 2000
HEATH #14	9955	"	4	October 20, 1997
HEATH #15	10660	"	18	June 15, 1999
HEATH #17	10662	"	1	June 14, 2000
HEATH #21	11049	Teck Corporation	20	August 27, 2000
HEATH #22	11050	"	20	August 28, 2000
HEATH #23	11051	"	20	August 28, 2000
HEATH #24	11052	"	20	September 1, 2000
HEATH #25	11053	"	6	September 1, 2000
HEATH #26	11054	"	16	September 1, 1999
HEATH #27	11055	"	18	August 30, 1999

EXPLORATION HISTORY

Colin Campbell has held claims covering the core of the Heath property since 1968 when he discovered copper mineralization during stream sediment anomaly follow-up. Mr. Campbell excavated several hand-trenches exposing magnetite-chalcopyrite fissure veins with intensely-altered wallrock zones carrying important values in Pb, Zn, Ag, Au and Cu.

In the spring of 1969, **Amax Exploration** conducted a reconnaissance soil geochemical survey over an area near the centre of the property. The pulps were analysed for copper and molybdenum. This survey outlined a 2,000 metre by 2,400 metre zone of anomalous Cu defined by analyses exceeding 200 ppm.

In October of 1969, the property was optioned to **Senate Mining and Exploration Ltd.** who carried out geologic mapping and a ground magnetometer survey. It was returned to Mr. Campbell in 1972 and optioned that same year to **Nation Lake Mines Ltd.**

In 1973, **McPhar Geophysics** was contracted by Nation Lake Mines to carry out a frequency domain induced polarization survey over the Amax soil grid. Seven linear anomalies were identified and a broad anomalous zone measuring 300 metres by 600 metres was outlined. A three-hole drill program was recommended, but the option was dropped.

No exploration work was done between 1973 and August of 1988 at which time Mr. Campbell tested the Au geochemical response on two small detailed soil grids in areas of known mineralization. The samples returned analyses ranging up to 1,035 ppb Au, 100 ppm Ag and 32,000 ppm Cu.

In 1989, Teck completed 86 line kilometres of ground magnetics and VLF-EM on a 9 square kilometre grid in the centre of the property and collected 4,152 soil samples. Teck's 1990 program consisted of 1.6 linear kilometres of excavator trenching, 9.2 line kilometres of IP surveys, 121.92 metres of diamond drilling and collection of 2279 soil samples.

INDUCED POLARIZATION SURVEY

i) Survey Specifications

The Induced Polarization (IP) and resistivity survey took place during the period June 2-27, 1991 under the direction of Grant D. Lockhart, geophysicist. A total of 70.2 line kilometers of IP / resistivity data was acquired.

The surveys were carried out using the pole - dipole array with an inter-electrode spacing of 50 meters. In addition, portions of two lines (Lines 6300N and 4900N) were also tested using a 12.5 meter dipole size. The moving current electrode was located to the east of the potential electrode pair. Four dipole separations (n=1-4) were recorded during the 1991 survey, while in the 1990 work (the data from which is included in this report), five separations were measured. In the case of the 12.5 meter work, the four separations recorded were n=3-6.

ii) Instrument Specifications

The 1991 IP / resistivity measurements were made using an EDA Model IP-6 six channel time domain receiver set to "mode 2" whereby a delay time (TD = 120 milliseconds) is followed by 10 measurement windows of equal width (td = 90 milliseconds), yielding a total integration time of 900 milliseconds. It should be noted that the 1990 survey data (9.25 km) used "mode 3" (TD = 80 msec; td = 80,80,80,80, 160,160,160,320,320,320). These earlier results have been re-calibrated and converted to their "mode 2" equivalent. The signal used to make the measurements was provided by a Phoenix Model IPT-1 transmitter producing a 2 second on / 2 second off square wave of alternating polarities powered by a 2.0 kilowatt motor generator set. IP effects were recorded as chargeability in milliseconds while apparent resistivity values were normalized in units of ohm-meters.

iii) Data Presentation

The IP / resistivity results are shown on the following data plots in pseudo-section format:

Line	Electrode Interval	Reading Interval	Total Coverage
7800N	50 meters	5000E - 6550E	1550 meters
7600N	50 meters	4950E - 6650E	1700 meters
7400N	50 meters	5000E - 6850E	1850 meters
7200N	50 meters	5000E - 7400E	2400 meters
7000N	50 meters	4900E - 7400E	2500 meters
6800N	50 meters	5200E - 7500E	2300 meters
6600N	50 meters	3500E - 6500E	3000 meters
6500N	50 meters	3500E - 6500E	3000 meters
6400N	50 meters	3500E - 6500E	3000 meters
6300N	50 meters	3500E - 6500E	3000 meters
6300N	12.5 meters	4000E - 4700E	700 meters
6200N	50 meters	3500E - 6500E	3000 meters
6100N	50 meters	3500E - 6500E	3000 meters
6000N	50 meters	3500E - 6500E	3000 meters
5900N	50 meters	3500E - 6500E	3000 meters
5800N	50 meters	3500E - 6500E	3000 meters
5700N	50 meters	3500E - 6500E	3000 meters
5600N	50 meters	3500E - 6500E	3000 meters
5500N (1990)	50 meters	5000E - 6500E	1500 meters
5500N	50 meters	3500E - 5000E	1500 meters
5400N (1990)	50 meters	5000E - 6500E	1500 meters
5400N	50 meters	3850E - 5000E	1150 meters
5300N (1990)	50 meters	5000E - 6500E	1500 meters
5300N	50 meters	3900E - 5000E	1100 meters
5200N (1990)	50 meters	5000E - 6500E	1500 meters
5200N	50 meters	4000E - 5000E	1000 meters
5100N (1990)	50 meters	5000E - 6500E	1500 meters
5100N	50 meters	4000E - 5000E	1000 meters
5000N	50 meters	3950E - 6500E	2550 meters
4900N	50 meters	4000E - 6500E	2500 meters
4900N	12.5 meters	4400E - 5400E	1000 meters
4800N	50 meters	4000E - 6500E	2500 meters
4700N (1990)	50 meters	4500E - 6250E	1750 meters
4500N	50 meters	3950E - 6500E	2550 meters
4300N	50 meters	3950E - 6500E	2550 meters
4200N	50 meters	3950E - 5000E	1050 meters
4100N	50 meters	3900E - 6500E	2600 meters
4000N	50 meters	3850E - 5000E	1150 meters

Also included with report is a contoured, 1:5000 scale plan map (PLAN MHTHIP) presentation of the 10-point Fraser-filtered chargeability values which includes the IP interpretation and drillhole locations. The Fraser filter involves calculating an average

value for each dipole separation using one n=1 value, two n=2 values, three n=3 values and four n=4 values. These intermediate results are then further averaged to yield one number which can be contoured in plan view. The strong, moderate and weak IP anomalies are indicated by bars in the manner shown on the plan map legend as well as on the pseudo-sections. These bars represent the surface projection of the anomalous zones interpreted from the transmitter and receiver locations when the anomalous values were measured. The contoured, 10-point Fraser-filtered resistivity data are illustrated on the 1:5000 scale plan map labelled PLAN MHTHRES.

iv) Discussion of Results

Nine separate zones of anomalous IP effects have been outlined by the surveys carried out over the Heath Project's Lisa Lake grid. These features are illustrated on the map labelled PLAN: MHTHIP and included with report. The reader is referred to this map for the following zone - by - zone discussion.

Zone A

Located at the far northeast corner of the Lisa Lake grid, Zone A exhibits moderate magnitude chargeabilities accompanied by high (3000 ohm-m) apparent resistivity values. The source of the anomalous readings is thought to be within one dipole length (50 meters) of surface. The northern and eastern borders of the zone remain undefined. As well, it is noted that Zone A has not been tested by the present drilling program.

Zone B

Also situated in the northeast part of the geophysical grid, Zone B is a long, narrow, tabular feature which varies between 100 meters and 350 meters in width. Typified by moderate strength chargeability readings and elevated (2000 ohm-m) resistivity values, the zone's northern and southern boundaries remain open. Depth to the top of the polarizable source is estimated to be within 50 meters. This zone has not been drill tested.

Zone C

Zone C is a large scale feature whiich dominates the eastern half of the geophysical grid. The dimensions of the zone are in excess of 1250 meters wide (E-W) and 2800 meters long (N-S). Generally speaking, Zone C expresses itself in terms of anomalous IP effects, the magnitudes of which vary from weak to strong. The strong anomalies form four distinct high chargeability pockets within the confines of the main zone. Approximate centers for these increased chargeability "sub-zones" are as follows: **a)** 6000E, 6700N **b)** 5600E, 6200N and **d)** 6125E, 4950N.

As part of the 1991 drill program, the periphery of one of these higher magnitude features has been tested. Drill hole 91-H-8 was drilled at the western edge of area **a)**, mentioned above, intersecting magnetite, pyrite and chalcopyrite. Other drill holes emplaced within the confines of Zone C include 91-H-9 and 91-H-6. The former of the two holes is reported to have encountered sparse amounts of sulphides, while the latter intersected minor disseminated magnetite.

The borders of Zone C remain undefined both to the north and to the east.

Zone D

Zone D is a small zone located in the central part of the grid. It is characterized by weakly to moderately anomalous IP effects accompanied by high (2000 - 3000 ohm-m) resistivity readings. Depth to the top of the polarizable material responsible for the anomalous readings is felt to be well within 50 meters. The zone has not been drilled as of this report date.

Zone E

The narrowest (approximately 75 meters wide) of the zones interpreted to be present, Zone E lies very close to the eastern edge of the much larger Zone H. It is estimated that depth of burial for the material responsible for the moderately to strongly anomalous chargeabilities and high (2000 - 3000 ohm-m) resistivity values is well within one dipole length (50 meters). At present, Zone E has not yet been explored by drilling.

Zone F

Zone F is found in the south - central portion of the Lisa Lake grid and exhibits moderately anomalous chargeabilities. Apparent resistivity values are on the order of 1500 - 1800 ohm-m. As is the case with many of the smaller zones interpreted from the data, the polarizable source is felt to be within 50 meters of surface and has not been drill tested.

Zone G

This zone, situated in the south - central part of the grid, displays moderate to strong (on Line 4700N) magnitude IP effects without a strong resistivity correlation. Depth of burial is thought to be well within 50 meters of surface. Diamond drill hole 91-H-1 (drilled in 1991) has tested this zone and returned intermittent intervals containing disseminated chalcopyrite and lesser amounts of pyrite.

Zone H

Zone H is a widespread feature which covers a substantial portion of the grid west of the baseline. As with Zone C, anomalous chargeability responses ranging from weak to strong constitute Zone H. For Zone H, the "sub-zones" of strong IP effect are centered at **a)** 4300E, 6350N and **b)** 5050E, 4900N.

During the 1991 drill program, area **a)** was tested by drill hole 91-H-10 which reportedly intersected several intervals of minor amounts of visible pyrite and chalcopyrite. The strong IP response measured in this area, however, would tend to indicate that larger amounts of polarizable material could be present -- perhaps at a level not discernable by hand lens. More thoroughly tested by the present drilling was the sub-zone **b)** mentioned above. Drill holes 91-H-2, 91-H-3, 91-H-4 and 91-H-5 all encountered significant amounts of both magnetite and sulphides (primarily pyrite and, to lesser degree, chalcopyrite).

The borders of this large zone remain undefined to the north, west and south.

Zone I

Weak to moderate magnitude chargeabilities and low apparent resistivities (100 - 200 ohm-m) characterize this zone which is located at the extreme southwest corner of the grid. The low resistivities are probably due to a larger than usual thickness of overburden cover. Depth of burial appears to be on the order of 50 meters at the south end of the zone and somewhat less than that at the north end. A diamond drill hole (91-H-7), located at Station 4250E on Line 4100N was abandoned in overburden at a depth of approximately 35 meters. Zone I remains open to both the south and the west.

v) Conclusions

The Induced Polarization (IP) and resistivity survey carried out on the Heath Project (Lisa Lake grid) has detected two large zones and seven smaller zones of anomalous IP effects, all of which could be caused by metallic sulphide mineralization. Generally, the depths to the tops of the polarizable bodies responsible for the anomalies is estimated to be within 50 meters of surface.

At this time, the possible contribution to the measured chargeabilities by the magnetite which is known to occur in the area is unclear. In some of the holes drilled as part of the 1991 drill program, abundant magnetite was encountered when testing strong IP anomalies. These same holes, however, also returned the best sulphide intersections. As well, it is the authors' understanding that ground magnetic survey data on the grid indicates strong magnetic anomalies in areas where the IP measurements are considered non-anomalous. More information concerning the possible magnetite component of the measured IP effects could be gathered. This work could take the form of determining the IP/resistivity/magnetic susceptibility of selected core samples prior to assaying for Fe, S, Cu.

Zone C is the largest single zone outlined by the present survey. The 1991 drill program included three holes which have tested several of its constituent anomalies, but have not yielded encouraging results from an economic point of view.

Zone H is the second large zone discussed in this report. Two "sub-zones" of strong IP response have been evaluated by five drill holes in the 1991 program, none of which returned economic grades of copper mineralization.

A third zone of interest is that which is identified as Zone B. It exhibits a consistent and distinct chargeability signature, probably due to a polarizable, tabular source. The zone gets wider and stronger at its southern end. Both the northern and southern borders of Zone B are undefined at this time.

Zones A,D,E,F,G and I are all significantly smaller than the three zones mentioned above, although the borders of Zones A and I are still open. None of these six features have been drill tested, with the exception of Zone G, where non-economic assays resulted.

vi) Personnel

The personnel utilized during the data acquisition stage of the 1991 geophysical program are listed below:

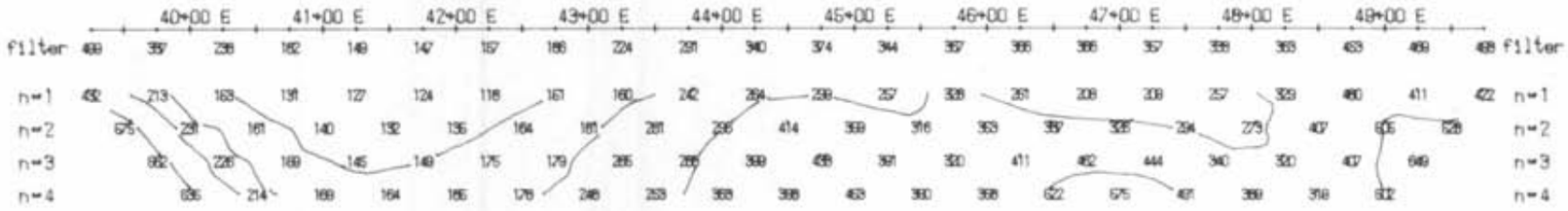
Name	Occupation	Address	Date
G. Lockhart	Geophysicist	Pacific Geophysical 212-744 West Hastings Vancouver, B.C.	June 2-27, 1991
H. Zurloff	Technician	"	June 2-4, 1991 June 7-27, 1991
D. Sinclair	Helper	"	June 2-27, 1991
B. Page	Helper	"	June 2-27, 1991
S. Milia	Helper	"	June 2-27, 1991
S. Fleming	Helper	"	June 2-27, 1991

PACIFIC GEOPHYSICAL LIMITED

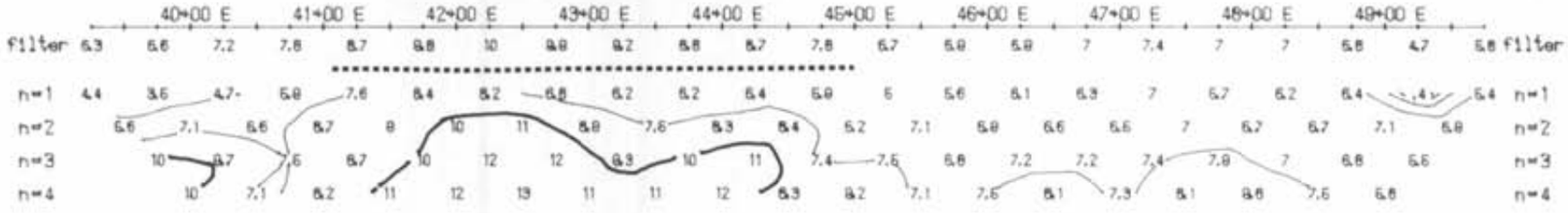
Paul A. Cartwright, P.Geoph.

Michael J. Cormier, B.Sc.

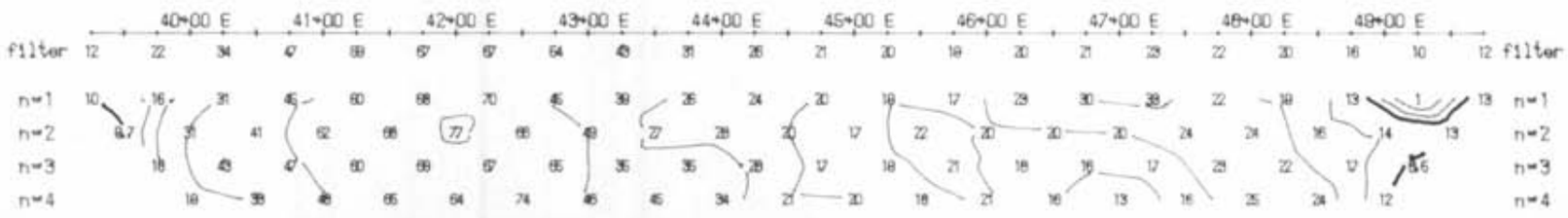
Dated: December 13, 1991.



RESISTIVITY
(ohm.m)



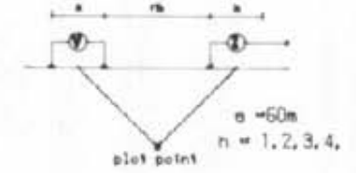
OBS. CHARGEABILITY
(msec)



METAL FACTOR
(1p/rho * 1000)

Line 4000 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

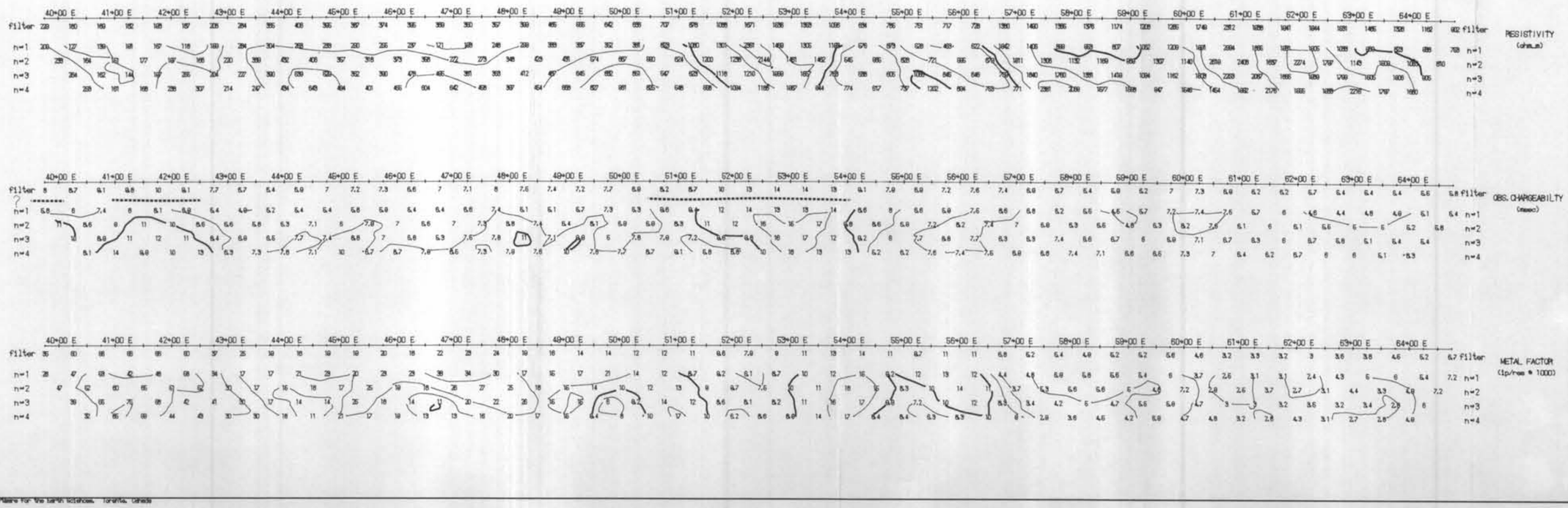
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

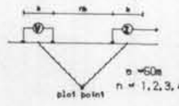
Pacific Geophysical

A.R. 21448



Line 4100 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
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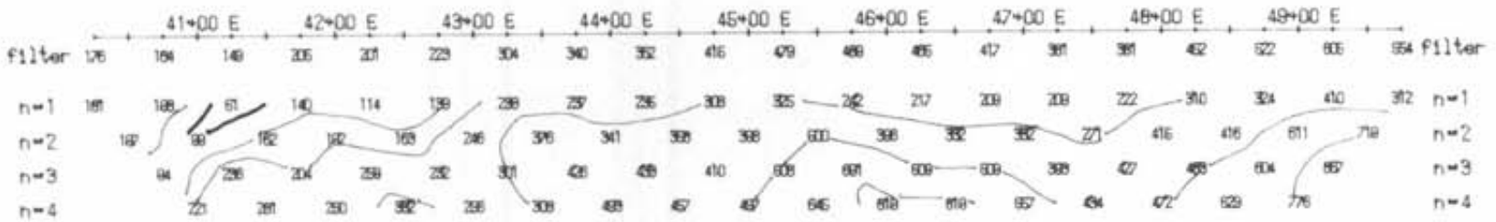
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

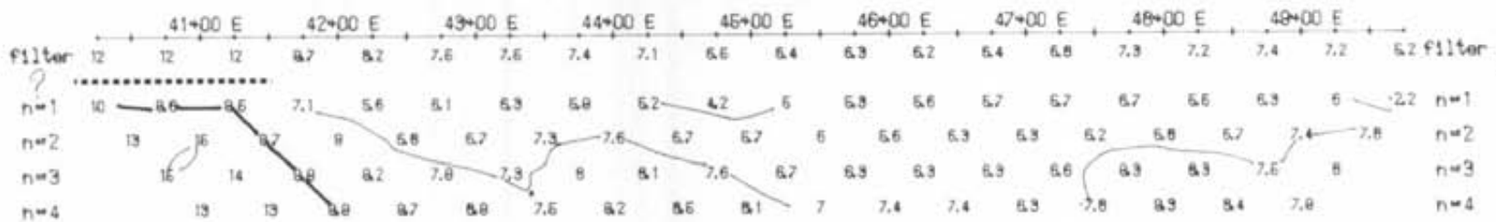
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

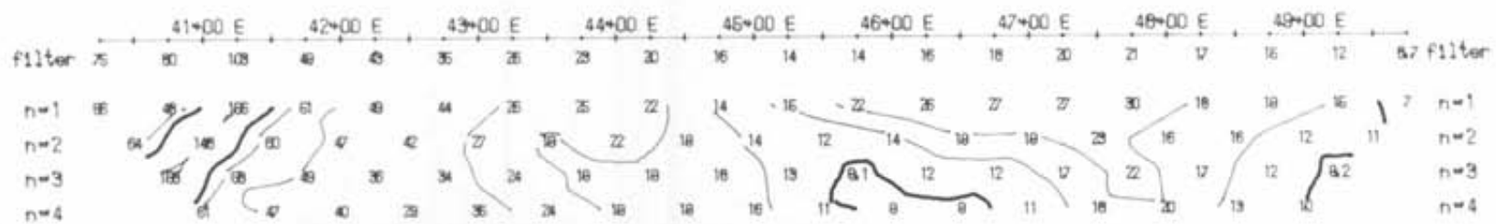
A.R. 21948



RESISTIVITY (ohm.m)



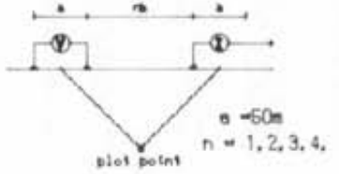
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rae * 1000)

Line 4200 N

Dipole-Pole Array



a =60m
n = 1, 2, 3, 4.

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
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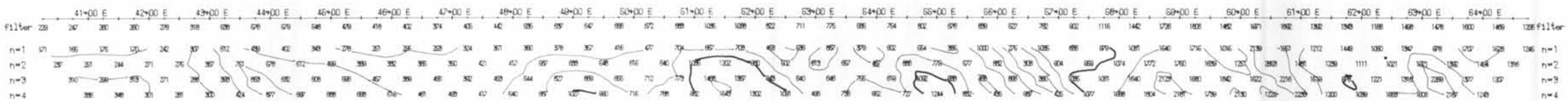
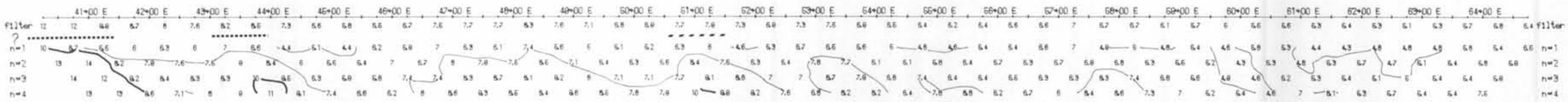
Pacific Geophysical

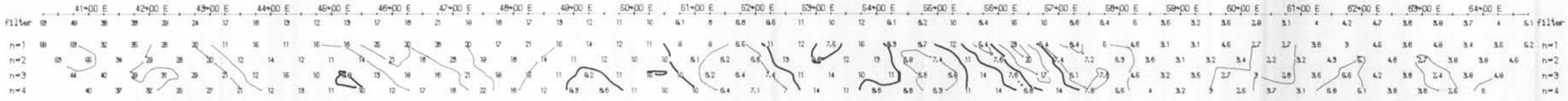
A.R. 21948



RESISTIVITY (ohm.m)



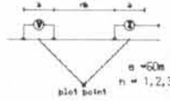
IP CHARGEABILITY (msec)



METAL FACTOR (1p/rho * 10000)

Line 4300 N

Dipole-Pole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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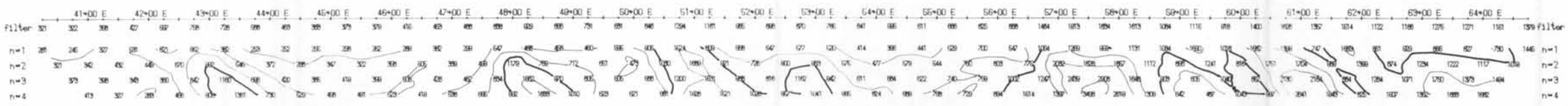
INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

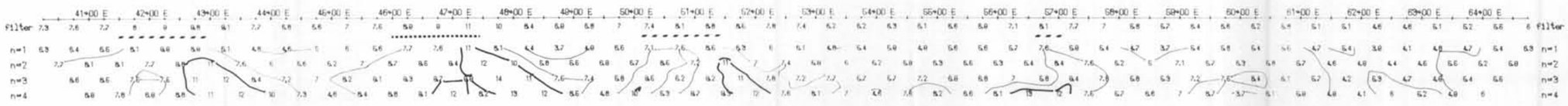
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

A.R. 21948



RESISTIVITY (ohm.m)

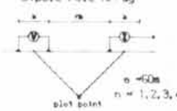


OBS. CHARGEABILITY (msec)

METAL FACTOR (1p/rho * 1000)

Line 4500 N

Dipole-Pole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 — NTS: 93N/6E
Interpretation by: PAC — Scale: 1:5000

Pacific Geophysical

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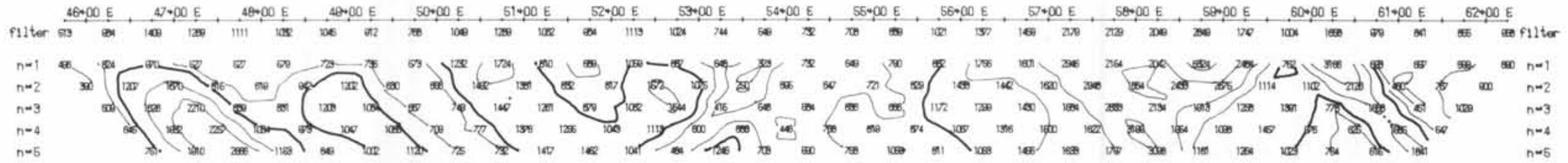
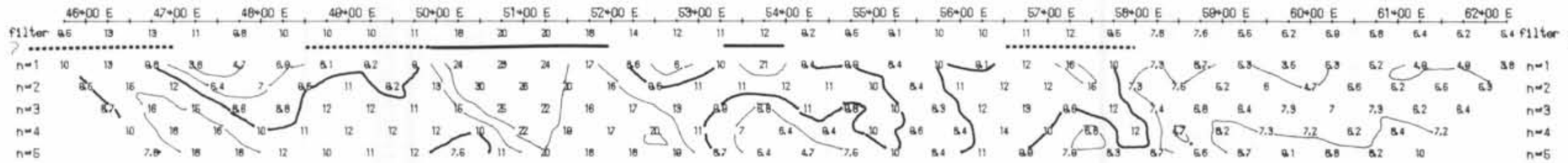
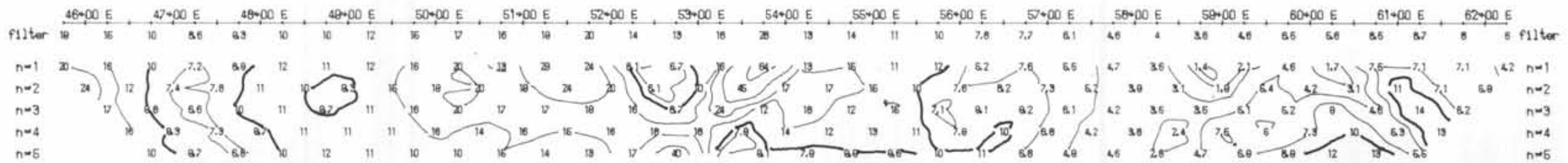
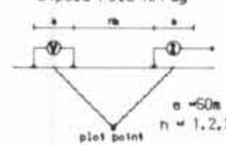






Line 4700 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

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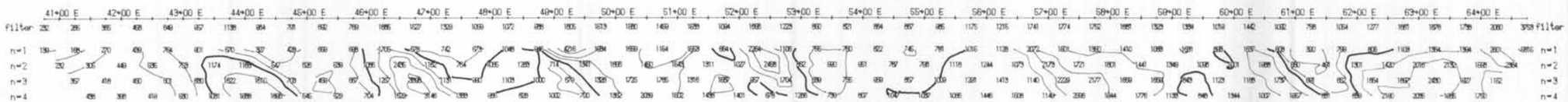
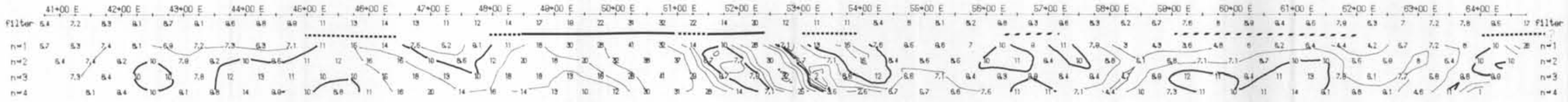
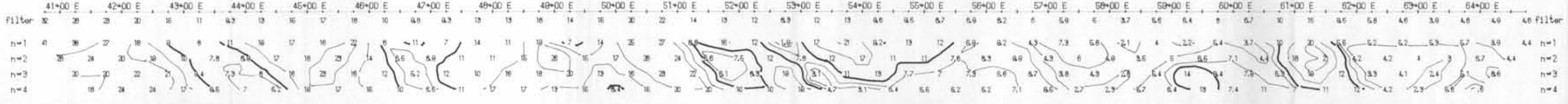


RESISTIVITY (ohm.m)



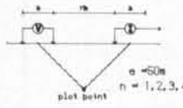
OBS. CHARGEABILITY (msec)



METAL FACTOR (tp/rho * 1000)

Line 4800 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

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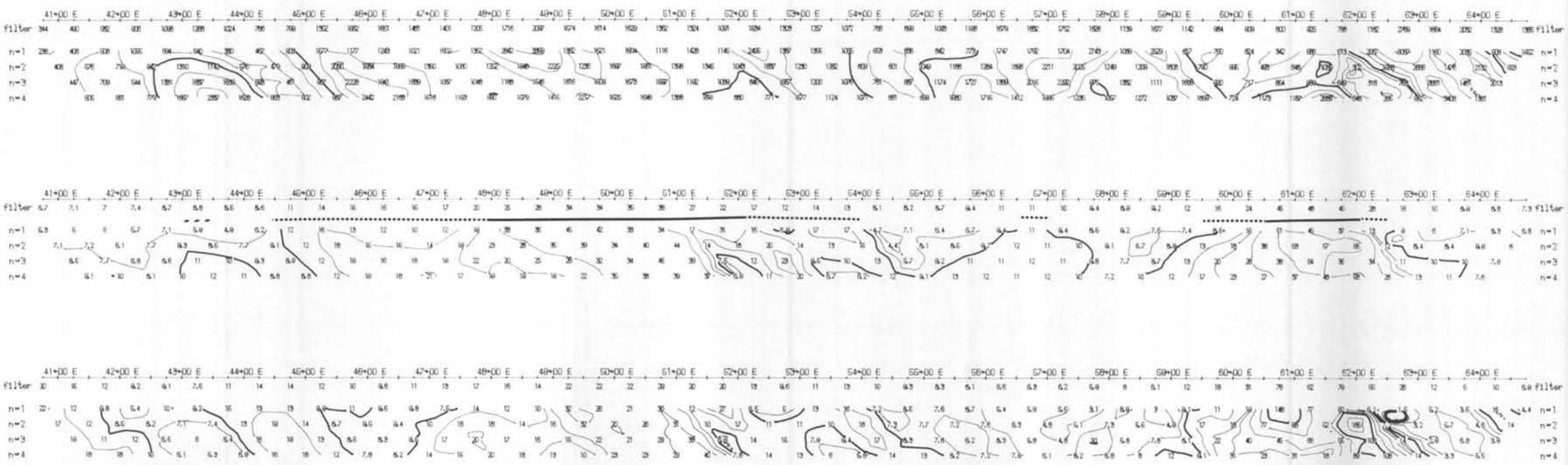
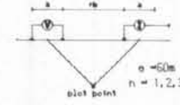


Line 4900 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2a ON / 2a OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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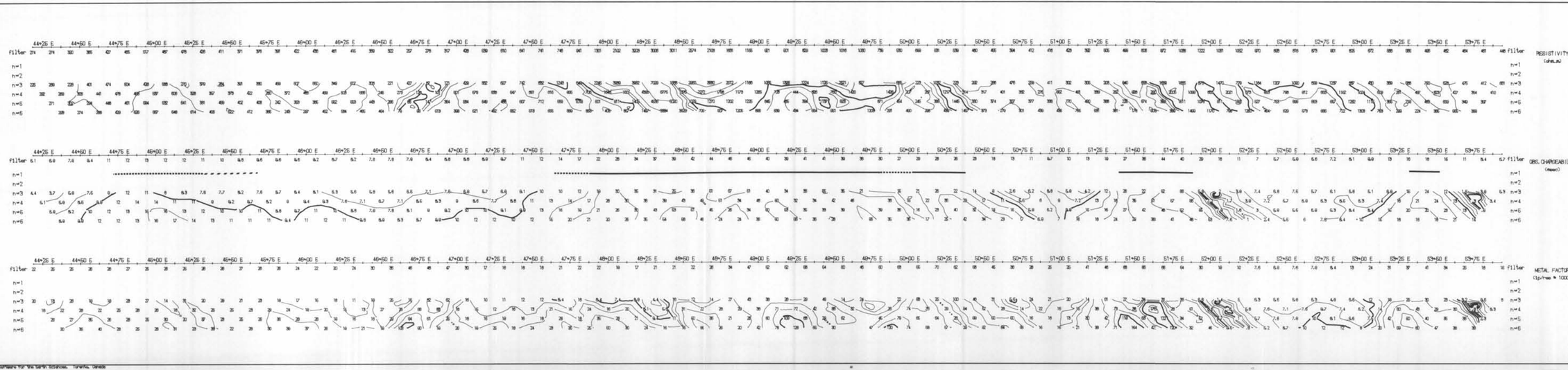
INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

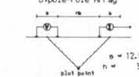
Pacific Geophysical

A.R. 21948



Line 4900 N

Dipole-Pole Array



a = 12.5m
n = 3,4,5,6

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/MZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID. Omineca M.D., B.C.

Date: June 1981 NTS: 93N/8E
Interpretation by: PAC Scale 1:1250

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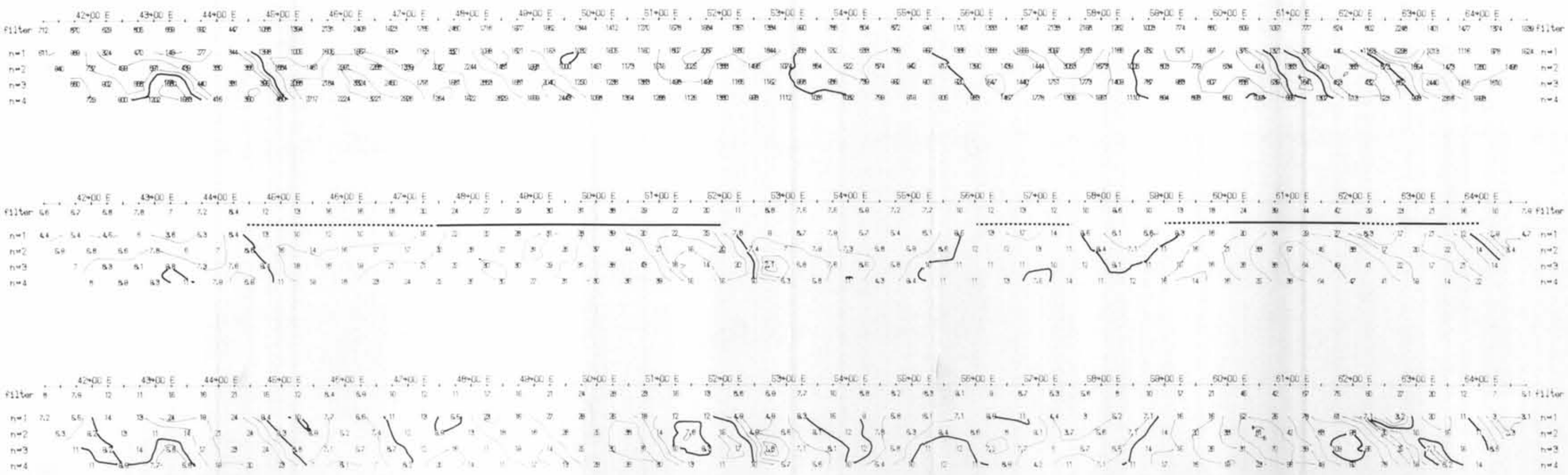
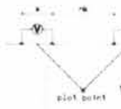
A.R. 10448



Line 5000 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : SOL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 — NTS: 93N/6E
Interpretation by: PAC — Scale: 1:5000

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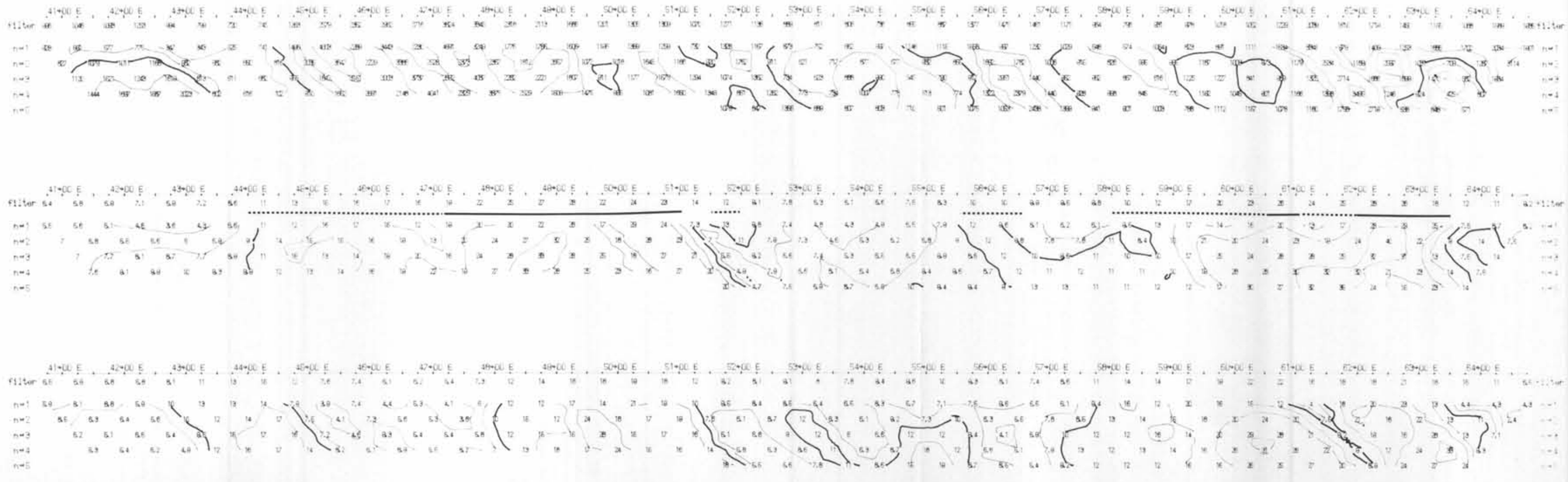
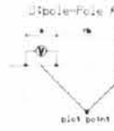


Line 5100 N

Dipole-Pole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,....

Instrument : ELA IP-6
Frequency : 2s ON / 2s OFF
Operators : RD/MH

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1981 NTS: 93N/6E
Interpretation by: PAC Scale: 1:5000

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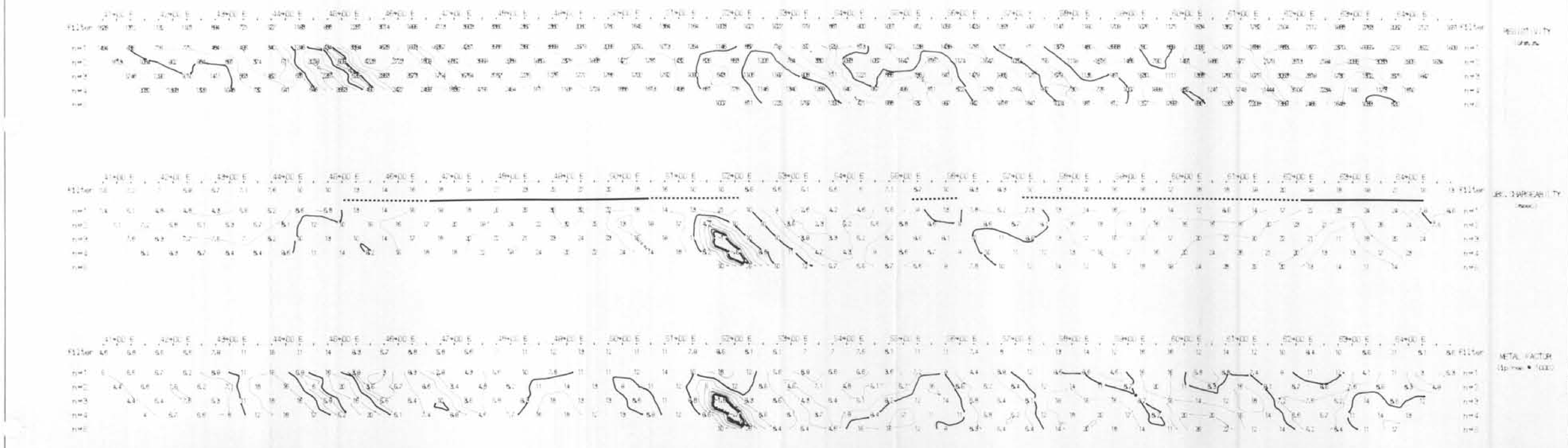

Line 5200 N

Dipole-Pole Array

Logarithmic Contours [illegible]

Instrument : [illegible]
Frequency : [illegible] OFF
Operators : [illegible]

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991
Interpretation by: PAC
NTS: [illegible]
Scale [illegible]

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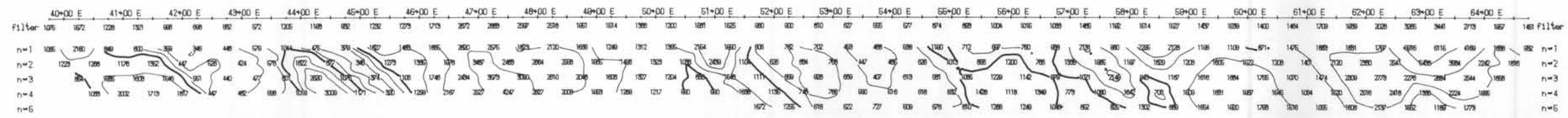
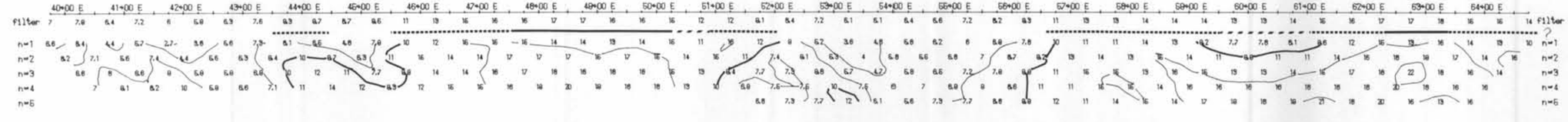
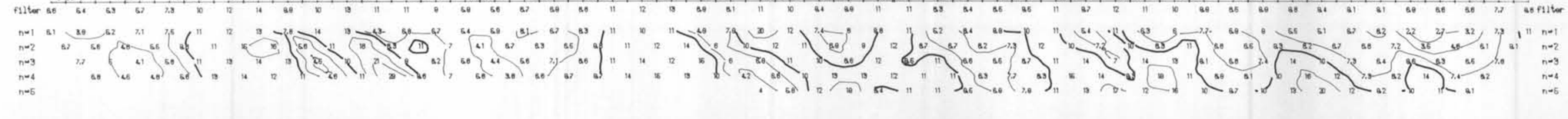


RESISTIVITY (ohm.m)



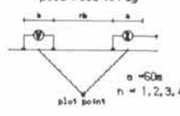
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rho * 1000)

Line 5300 N

Ipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1981 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

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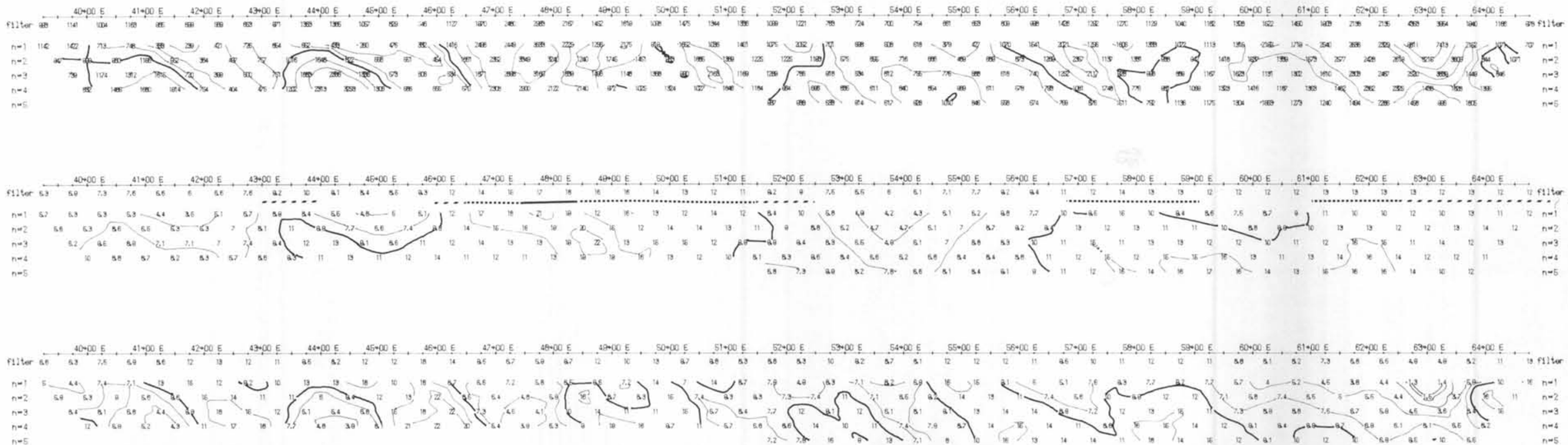
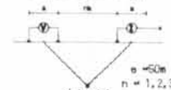


Line 5400 N

Dipole-Pole Array



a =50m
n = 1, 2, 3, 4,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong Increase in polarization
- Moderate Increase in polarization
- Weak Increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991
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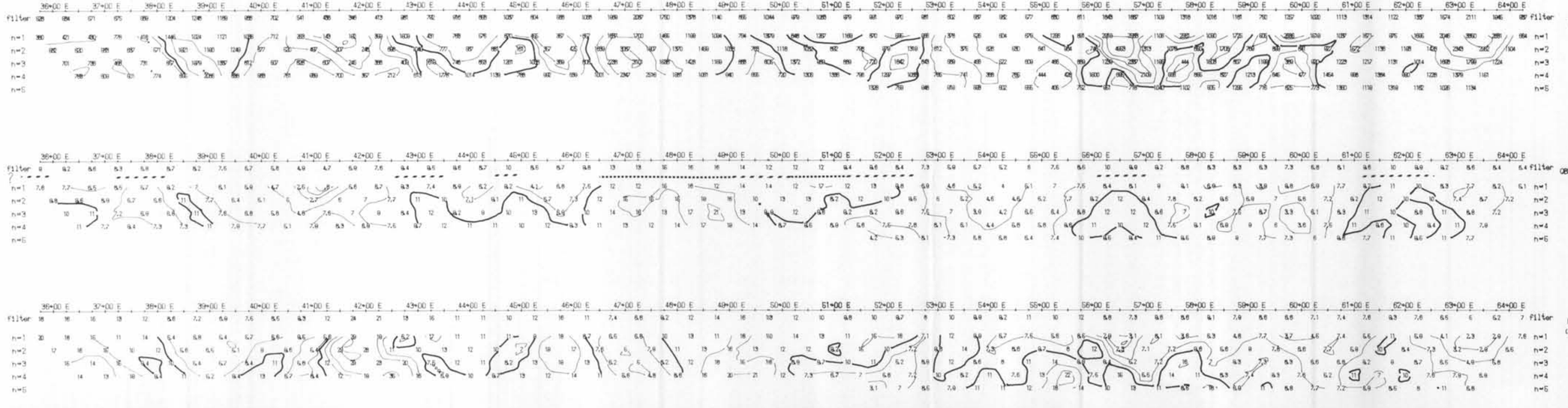
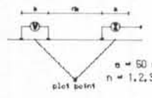


Line 5500 N

Dipole-Pole Array



a = 50 m
n = 1, 2, 3, 4, 5

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10, ...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Quinsam M.D., B.C.

Date: June 1991 — NTS: 92N/6E
Interpretation by: PAC — Scale: 1:5000

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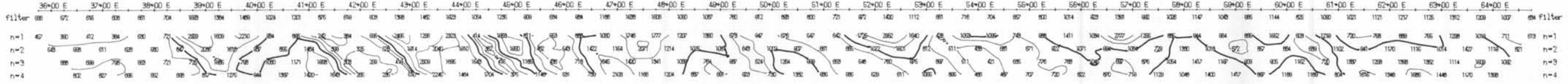
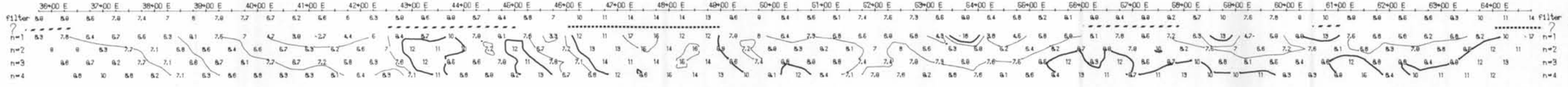
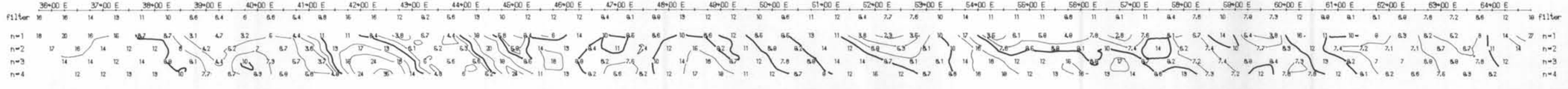


RESISTIVITY (ohm.m)



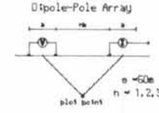
OBS. CHARGEABILITY (msec)



METAL FACTOR (tip/rec * 1000)

Line 5600 N

Dipole-Pole Array



a =50m
n = 1, 2, 3, 4,

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/MZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

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INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

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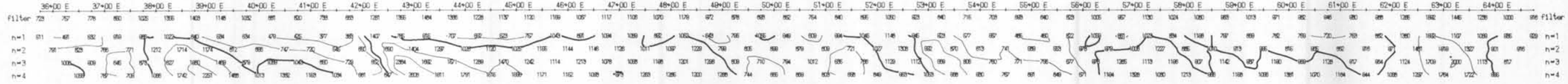
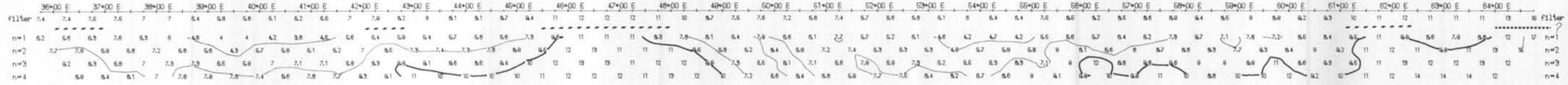


RESISTIVITY (ohm.m)

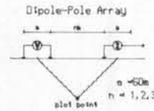


OBS. CHARGEABILITY (msec)

METAL FACTOR (ip/res * 1000)

Line 5700 N

Dipole-Pole Array



a = 50m
n = 1, 2, 3, 4,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

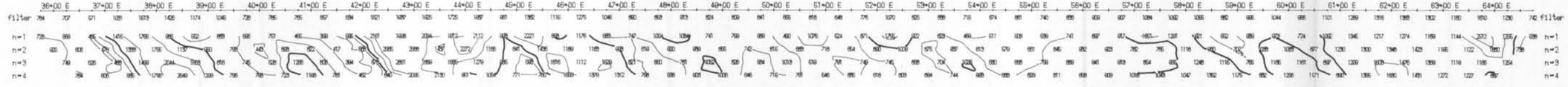
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

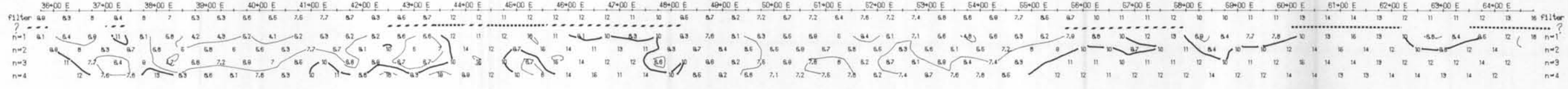
Date: June 1991 NTS: 93N/8E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

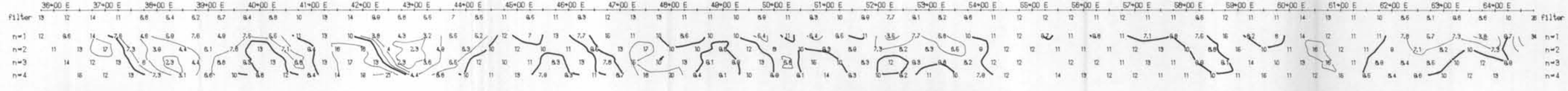
A.R. 21948



RESISTIVITY (ohm.m)



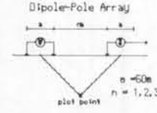
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rad * 1000)

Line 5800 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

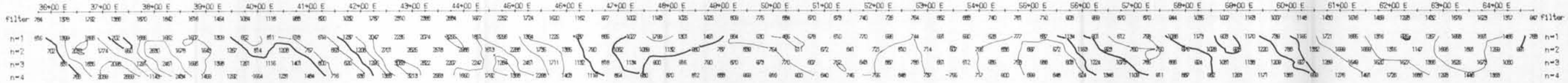
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Quinsam M.D., B.C.

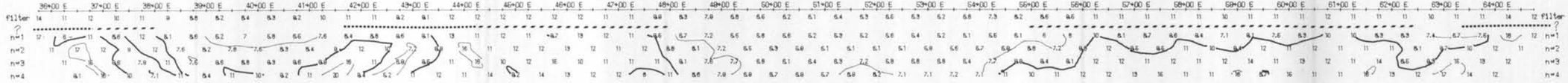
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale: 1:5000

Pacific Geophysical

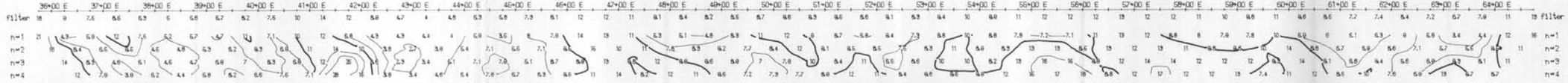
A.R. 21948



RESISTIVITY (ohm.m)



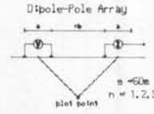
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rmo * 1000)

Line 5900 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2e ON / 2e OFF
Operators : BDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

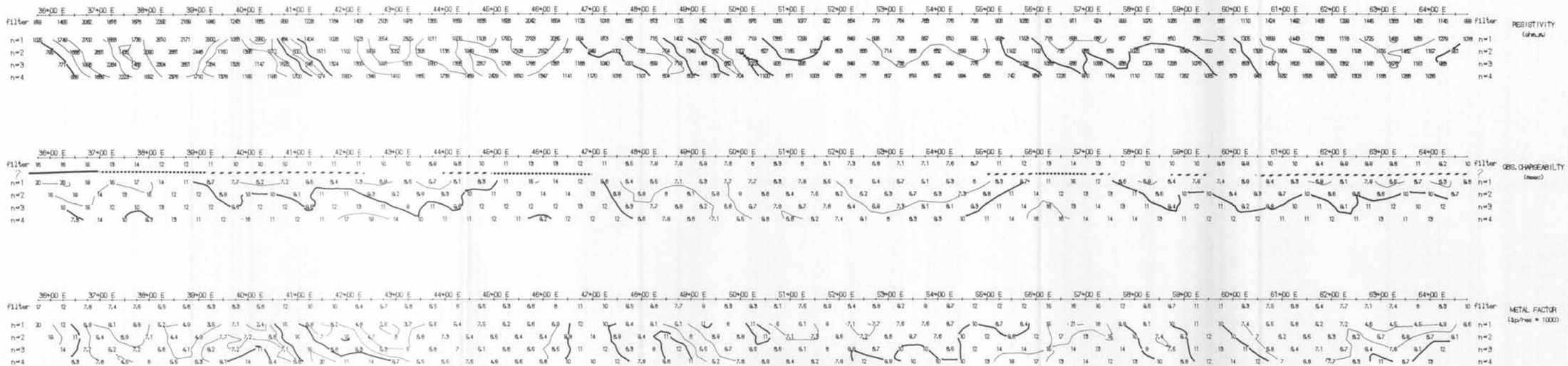
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Quinsam M.D., B.C.

Date: June 1991 NTS: 92N/6E
Interpretation by: PAC Scale 1:5000

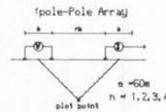
Pacific Geophysical

A.R. 21948



Line 6000 N

!pole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

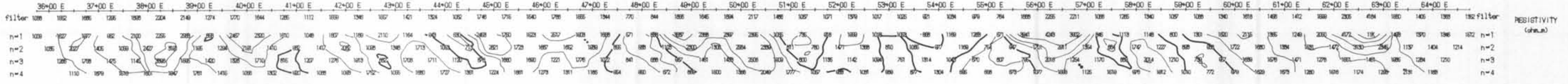
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

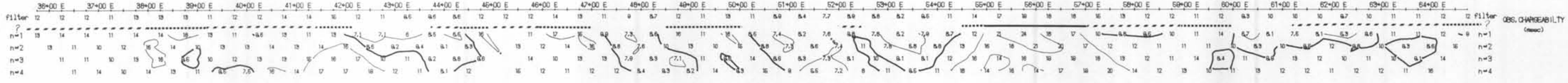
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

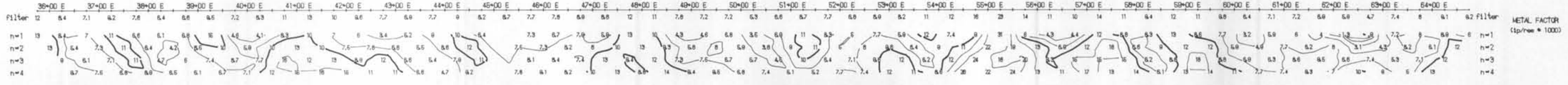
A.R. 21948



RESISTIVITY (ohm.m)



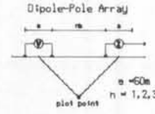
OBS. CHARGEABILITY (msec)



METAL FACTOR (Ip/rae * 1000)

Line 6100 N

Dipole-Pole Array



a =50m
n = 1, 2, 3, 4,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

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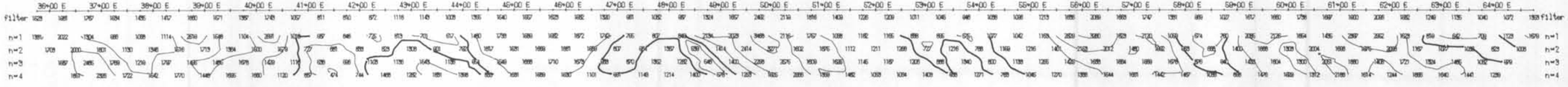
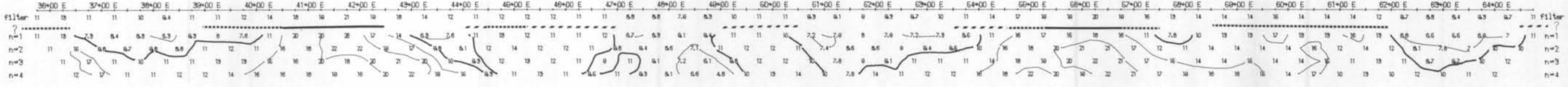
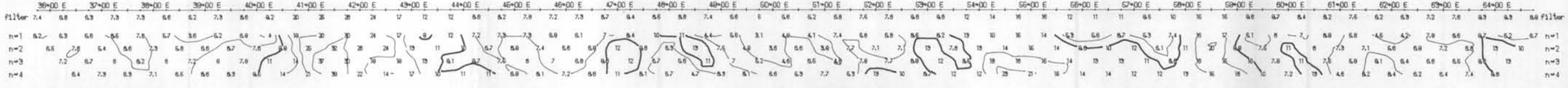


RESISTIVITY (ohm.m)



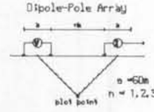
OBS. CHARGEABILITY (msec)



METAL FACTOR (Cp/rho * 1000)

Line 6200 N

Dipole-Pole Array



a =60m
n = 1, 2, 3, 4

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument	: EDA IP-6
Frequency	: 2s ON / 2s OFF
Operators	: GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

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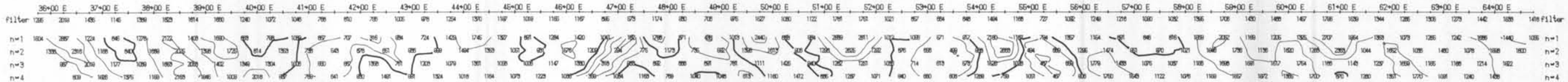
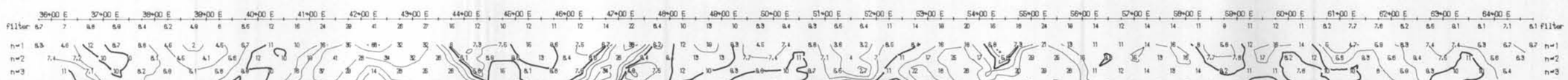


RESISTIVITY (ohm.m)

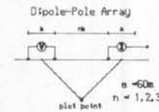
OBS. CHARGEABILITY (msec)



METAL FACTOR (%p/res * 1000)

Line 6300 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

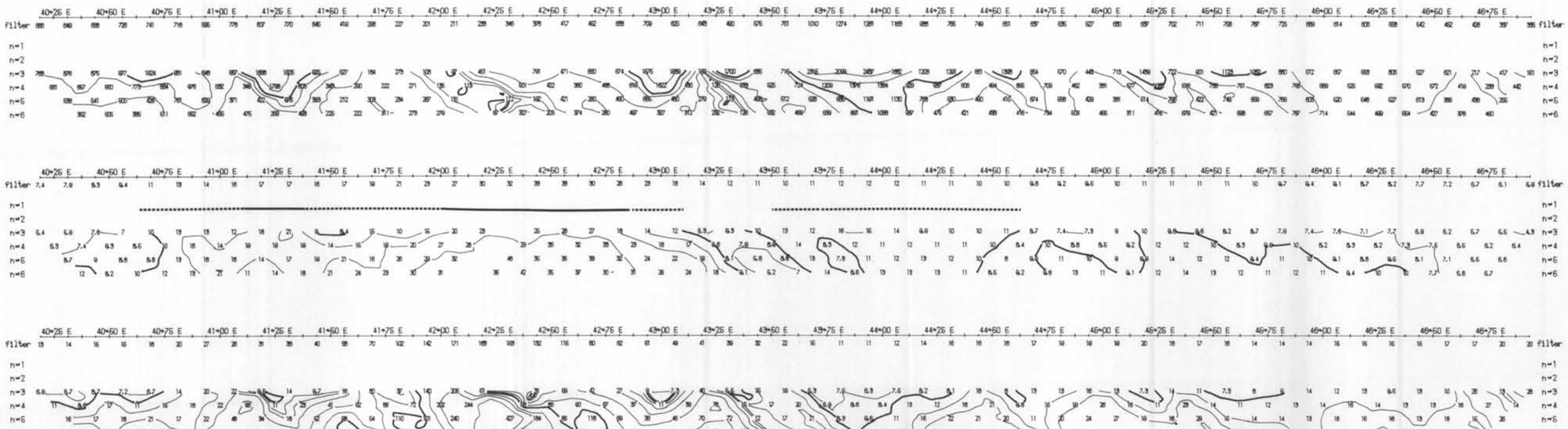
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

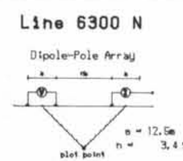
Pacific Geophysical

A.R. 21948



Line 6300 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Weak increase in polarization

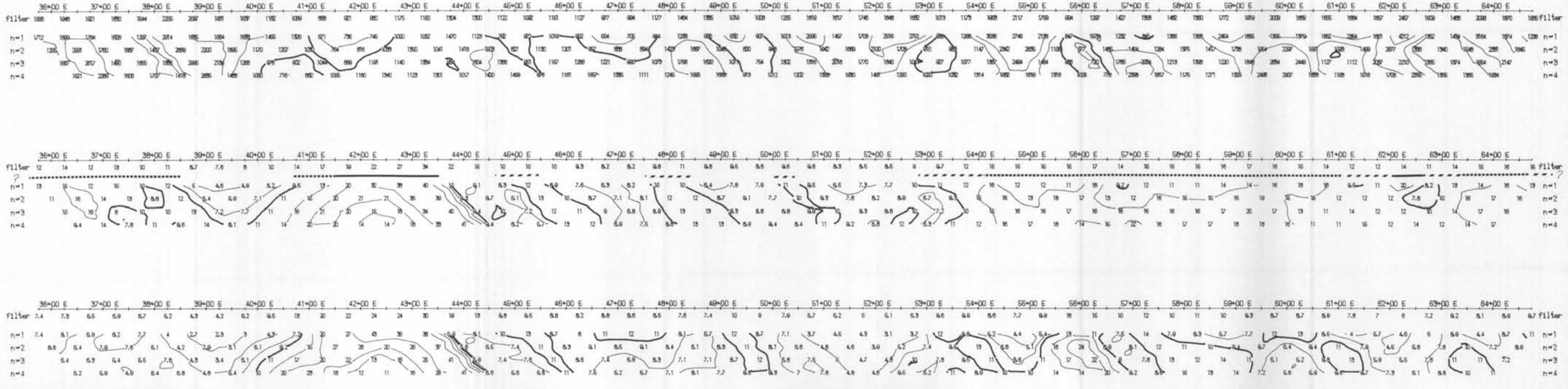
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:1250

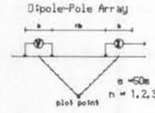
Pacific Geophysical

A.R. 21948



Line 6400 N

Dipole-Pole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

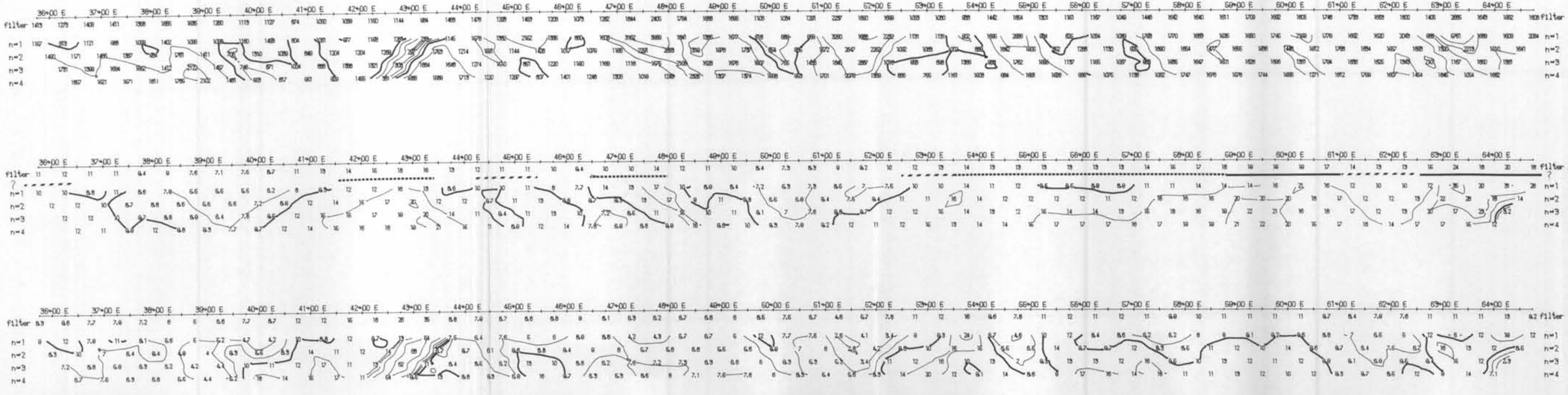
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Quinsam M.D., B.C.

Date: June 1991 NTS: 92N/6E
Interpretation by: PAC Scale 1:5000

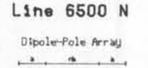
Pacific Geophysical

A.R. 21948



Line 6500 N

Dipole-Pole Array



Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

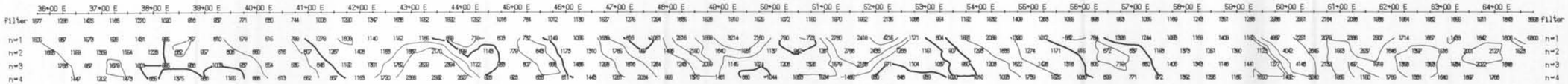
INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1981
Interpretation by: PAC

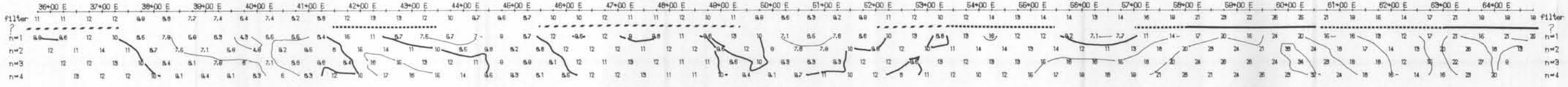
NTS: 93N/6E
Scale 1:5000

Pacific Geophysical

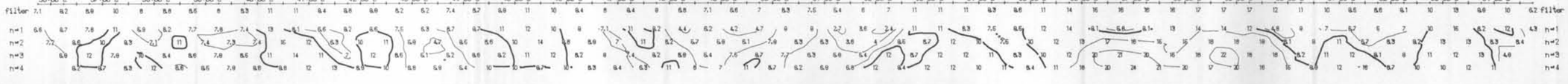
A.R. 21448



RESISTIVITY (ohm.m)



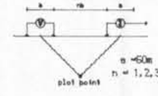
QBS, CHARGEABILITY (msec)



METAL FACTOR (1/pfree * 1000)

Line 6600 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

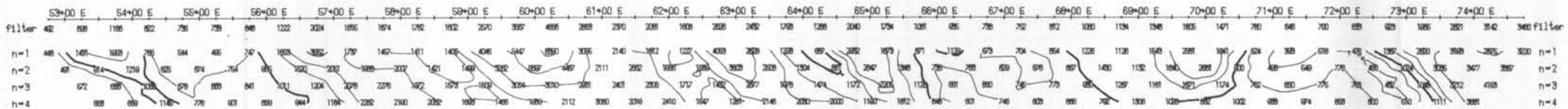
INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

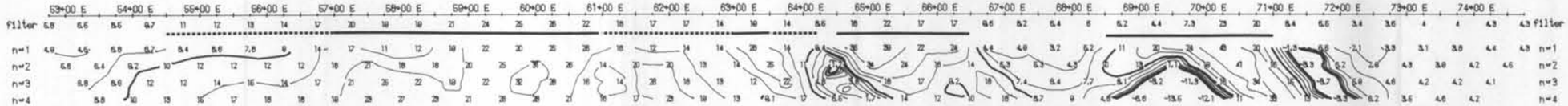
Date: June 1991
Interpretation by: PAC

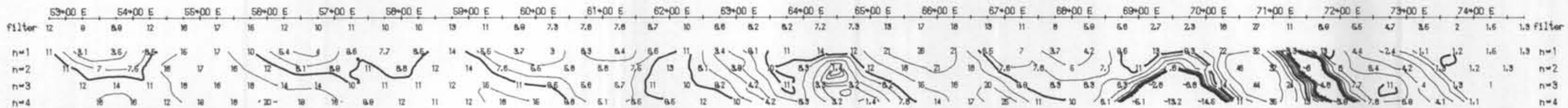
NTS: 93N/6E
Scale 1:5000

Pacific Geophysical

A.R. 21948

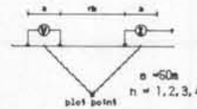






Line 6800 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

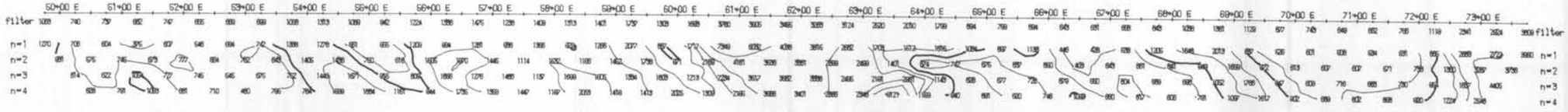
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

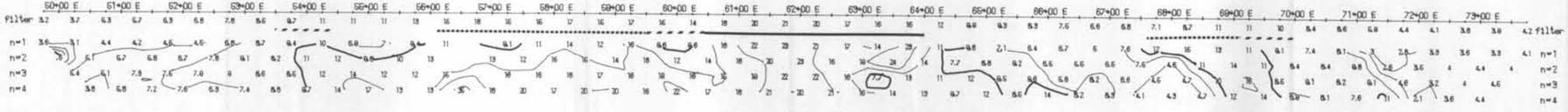
Date: June 1991 NTS: 89N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

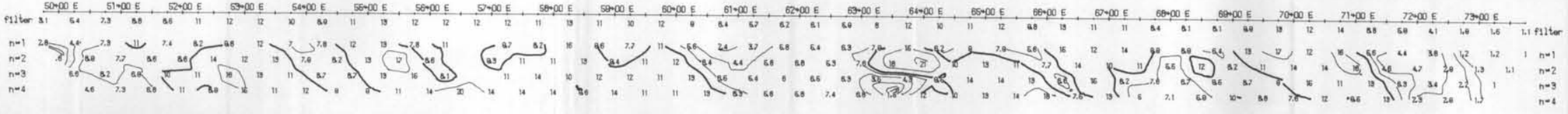
A.R. 21948



RESISTIVITY (ohm.m)



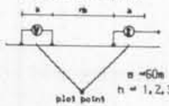
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rho * 1000)

Line 7000 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

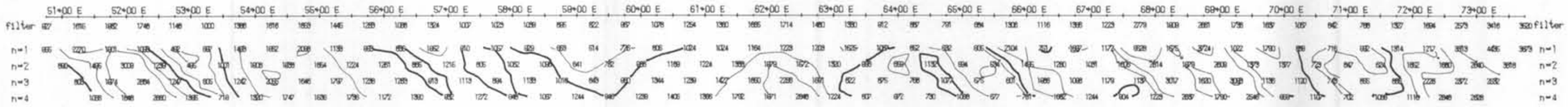
TECK EXPLORATION LTD.

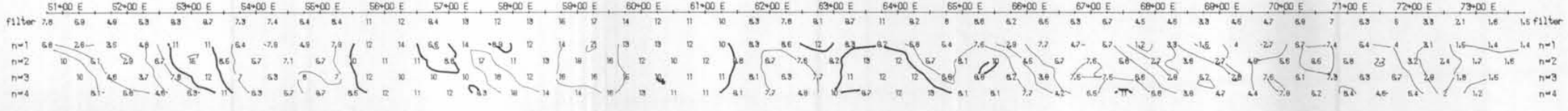
INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1991 NTS: 69N/8E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

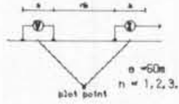
A.R. 21948





Line 7200 N

Dipole-Pole Array



Logarithmic Contours : 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2a ON / 2a OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

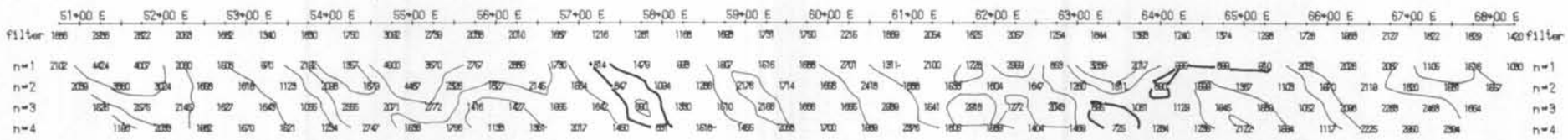
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

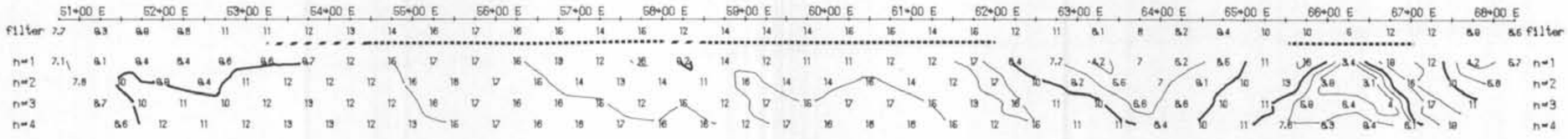
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

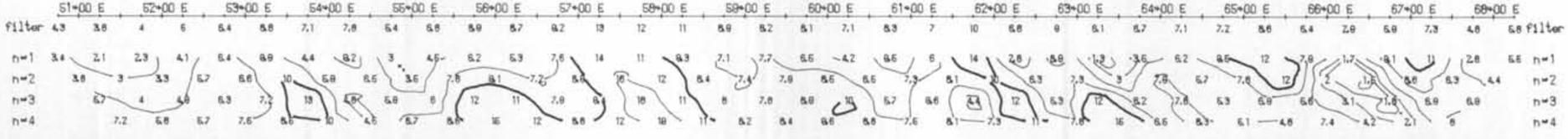
A.R. 21948



RESISTIVITY (ohm_m)



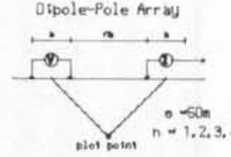
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rae * 1000)

Line 7400 N

Dipole-Pole Array



a = 50m
n = 1, 2, 3, 4.

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

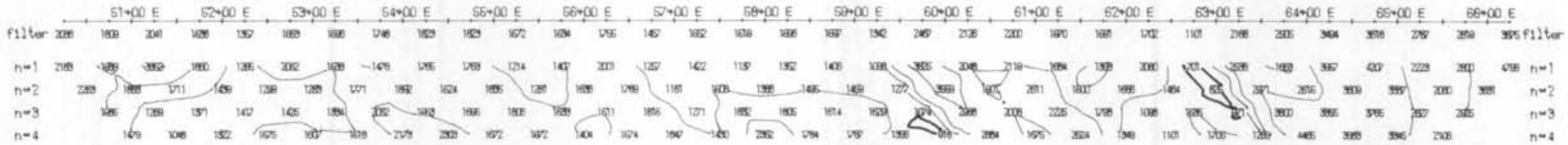
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Osinaca M.D., B.C.

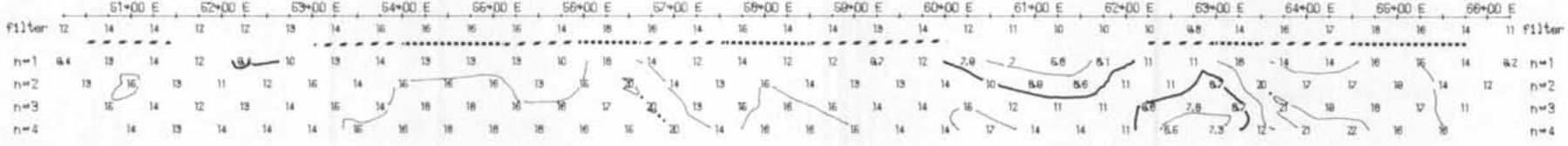
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

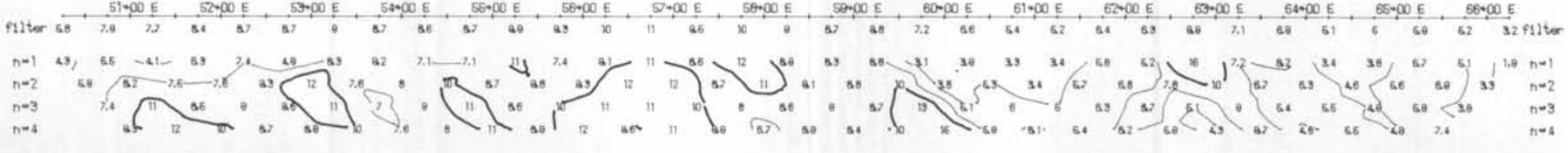
A.R. 21948



RESISTIVITY (ohm.m)



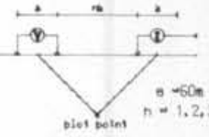
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rho * 1000)

Line 7600 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

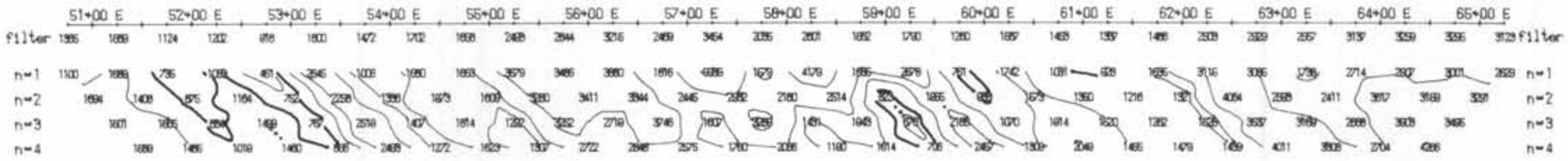
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Quinsam M.D., B.C.

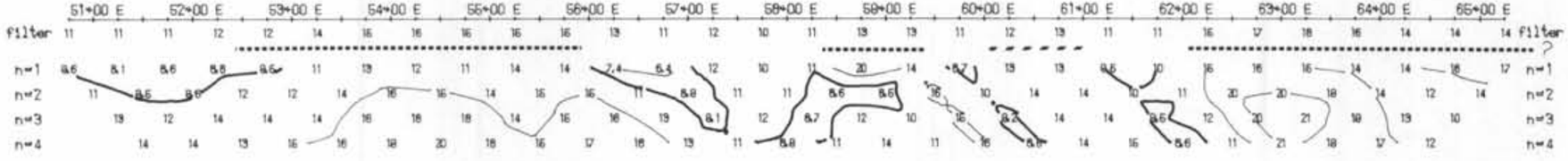
Date: June 1991 NTS: 93N/6E
Interpretation by: PAC Scale 1:5000

Pacific Geophysical

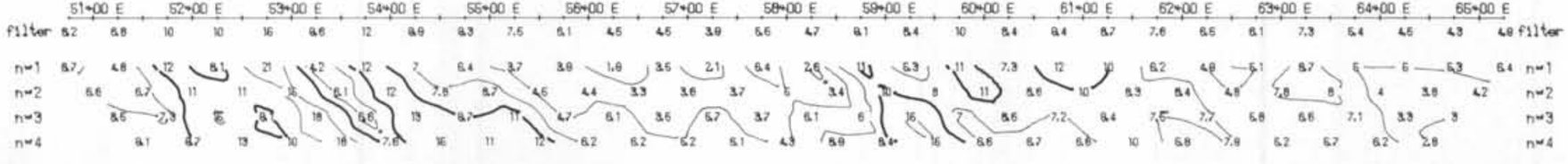
A.R. 21948



RESISTIVITY (ohm.m)



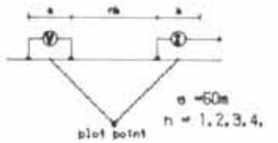
OBS. CHARGEABILITY (msec)



METAL FACTOR (1p/rho * 1000)

Line 7800 N

Dipole-Pole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP-6
Frequency : 2s ON / 2s OFF
Operators : GDL/HZ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY
HEATH PROJECT
LISA LAKE GRID, Omineca M.D., B.C.

Date: June 1981
Interpretation by: PAC
NTS: 93N/6E
Scale 1:5000

Pacific Geophysical

A.R. 21948

DIAMOND DRILLING

The 1991 drilling was contracted to J.T. Thomas Diamond Drilling Ltd. of Smithers, B.C. who provided a JT 600 heliportable drill rig with BQ Thinwall equipment. Ten holes were drilled between August 2 and August 14 for a total of 3179 feet (968.96 metres). A total of 238 core samples averaging 3.05 metres in length were split and submitted to Min-En Laboratories in Smithers (samples 33301-33333 and 33501-33550) and to Rossbacher Laboratory in Burnaby (samples 33334-33488) for Cu and Au assay by standard methods. The hole locations are plotted in Figure 3. Table 2 lists the grid coordinates, inclination, azimuth and total depth for each hole. The drill logs are included in Appendix I and the core assays in Appendix II.

The drill holes were targeted to test combined soil geochemical, ground magnetic and IP-chargeability anomalies for potential porphyry Cu-Au mineralization. Following is an abbreviated summary of the results from each hole:

DDH-91-H-1

- Weakly propylitic diorite throughout hole with crowded monzonite porphyry dyke at 14.42-40.00 metres.

- Intermittent sections with disseminated chalcopyrite (and lesser pyrite) throughout diorite generally assaying in the 0.0X% Cu range.

DDH-91-H-2

- Intensely propylitic diorite with abundant magmatic and hydrothermal magnetite as disseminations and veinlets.
- Potassic alteration mainly as biotite replacement of hornblende, occasional short intervals of k-feldspar alteration.
- Numerous narrow zones of intense epidote alteration.
- Disseminated chalcopyrite (and lesser pyrite) throughout hole, coarser grained more abundant chalcopyrite associated with magnetite veinlets and epidote alteration.

- Intersection of 101.80 metres (from 5.18 metres to 106.98 metres) grading 0.063% Cu, including 53.54 metres (from 44.30 metres to 97.84 metres) grading 0.083% Cu.
- Assays range up to 0.137% Cu over 3.05 metres.

DDH-91-H-3

- Intensely propylitic diorite with abundant magmatic magnetite as disseminations, crowded monzonite porphyry dyke at 35.00-37.79 metres.
- zones of abundant secondary (?) biotite, epidote alteration zones related to fractures.
- Intermittent intervals of disseminated pyrite and chalcopyrite grading in the 0.0X% Cu range.

DDH-91-H-4

- Moderately propylitic diorite with abundant magmatic magnetite, crowded monzonite porphyry dykes at 8.55-20.90 metres and 25.10-26.05 metres.
- Intermittent intervals of disseminated pyrite and occasional trace chalcopyrite.

DDH-91-H-5

- Weakly propylitic diorite with magmatic magnetite.
- Potassic alteration as localized patchy zones of fresh biotite replacing hornblende.
- Disseminated chalcopyrite throughout hole grading in 0.0X% Cu range, no magnetite veinlets, no strong association with epidote alteration.

DDH-91-H-6

- Diorite with moderate to intense k-feldspar alteration, overprinting of epidote alteration on fractures, magmatic disseminated magnetite.
- No visible sulphides.

DDH-91-H-7

- Hole abandoned in overburden (glacio-lacustrine clays) at 35.36 metres.

DDH-91-H-8

- Moderately propylitic diorite with moderately abundant magmatic disseminated magnetite.
- Moderate to locally intense k-feldspar alteration increasing in intensity with depth.

- Numerous narrow magnetite veinlets and associated coarse pyrite and chalcopyrite in last 30 metres of hole, otherwise sparse disseminated pyrite and chalcopyrite throughout sections sampled.

DDH-91-H-9

- Moderate to intense k-feldspar alteration in diorite with moderate propylitic overprint, pink feldspar porphyry (syenite ?) dyke at 79.24 - 93.26 metres (unmineralized).
- Sparse disseminated pyrite, very little chalcopyrite within sections sampled.

DDH-91-8-10

- Diorite with moderate to intense k-feldspar alteration decreasing in intensity with depth, weakly propylitic.
- Several intervals of sparse disseminated pyrite, occasional chalcopyrite grains.

TABLE 2

DIAMOND DRILL HOLE SUMMARY - HEATH PROJECT 1991

HOLE	COORDINATES	INCLINATION	AZIMUTH	DEPTH
91-H-1	46+88N 53+87E	-45°	260°	300 ft (91.44m)
91-H-2	51+00N 49+50E	-90°	-	389ft (118.57m)
91-H-3	49+50N 46+25E	-90°	-	351ft (106.99m)
91-H-4	54+53N 48+01E	-45°	260°	370ft (112.78m)
91-H-5	48+00N 50+50E	-45°	260°	340ft (103.63m)
91-H-6	53+00N 57+20E	-45°	080°	346ft (105.46m)
91-H-7*	40+95N 42+58E	-90°	-	116ft (35.36m)
91-H-8	67+91N 57+13E	-90°	-	360ft (109.73m)
91-H-9	73+86N 55+70E	-90°	-	306ft (93.27m)
91-H-10	63+04N 41+51E	-45°	080°	301ft (91.75m)

* Note: DDH-91-H-7 was abandoned in overburden at 116 ft.

CONCLUSIONS

The IP survey conducted in 1991 outlined 9 separate zones of anomalous chargeability and resistivity, several of which are coincident with previously identified ground magnetic and Cu, Zn, Pb, Ag and Au soil geochemical anomalies. Limited drill testing of some of these coincident anomalies failed to yield intersections of economically important grades over significant lengths. In many areas of the property high-contrast soil geochemical responses and strong IP effects remain unexplained by the results of drilling and prior excavator trenching.

Potential still exists for the discovery of significant porphyry Cu-Au mineralization and Zn-Pb-Ag-Cu-Au vein mineralization within many of the target areas, though that potential has been downgraded by the results of the 1991 exploration program.

RECOMMENDATIONS

Prior to another phase of diamond drilling, an attempt to explain the strong soil geochemical response is highly recommended. This would entail pitting, soil profiling and trenching in anomalous areas in an effort to trace dispersion patterns and locate and characterize metal sources in bedrock. Such an investigation could be carried out by a small crew at a relatively low cost.

STATEMENT OF COSTS

Field Personnel:	
P. Donkersloot	$10,381.17
Geological Consultant-Project Management and Supervision	
J.R. Toohey	$ 7,667.00
Accommodations and Meals (Tchentlo Lake Lodge)	$20,178.25
Aircrapt Support:	
Pacific Western Helicopters	$84,120.62
Central Mountain Air	$ 4,670.49
Truck Rentals	$ 2,801.19
Equpment Purchase	$ 227.10
Radio Rentals (Ironwood System Rentals)	$ 419.76
Microscope Rental (Steinmetz Inc.)	$ 257.98
B.C. Telephone Charges	$ 301.13
Travel Costs	$ 1,996.02
Freight Charges	$ 527.96
Fuel	$ 525.51
Prime Geochemical Methods (Consulting)	$ 1,206.25
Assays - Min-en Laboratories	$ 1,824.90
Rossbacher Laboratory	$ 1,959.17
Pacific Geophysical Ltd.	$50,803.50
J.T. Thomas Drilling Ltd	$63,659.97
Report Preparation:	
J.R. Toohey	$ 1,353.00
Pacific Geophysical Ltd.	$ 6,366.50
TOTAL	$261,247.47

WRITER'S CERTIFICATE

I, Jeffrey Robert Toohey, of 27-39752 Government Road, Squamish, British Columbia, do hereby certify that:

1. I am a consulting geological engineer with offices at the above address.
2. I am a graduate of Colorado School of Mines, Golden, Colorado, U.S.A. (B.Sc. Geological Engineering, 1984).
3. I am a graduate of Queen's University, Kingston, Ontario (M.Sc. Geology - Mineral Exploration 1986).
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. I have been engaged in mineral exploration in British Columbia, the Yukon and Northwest Territories, Saskatchewan and the Western United States since 1974.
6. I supervised exploration work carried out on the Heath property in 1991 and am a co-writer of the foregoing report.
7. I have not received, nor do I expect to receive any interest, direct or indirect, in the property of Teck Explorations Ltd. or of Indata Resources Ltd., or any of their affiliates; nor do I own any securities, directly or indirectly, of Teck Explorations Ltd. or any share of Indata Resources Ltd.

Jeff Toohey

J.R. Toohey, M.Sc. P. Eng.
December 13, 1991

WRITER'S CERTIFICATE

I, Paul Donkerslootk of #9 3627 Oak Street, Vancouver, British Columbia do hereby certify that:

1. I am a geologist employed by Teck Exploration Ltd. of #960-175 Second Ave., Kamloops, B.C.
2. I am a graduate of the University of Alberta (B.Sc. Geology, 1984).
3. I have engaged in the study and practice of mineral exploration in British Columbia, Northwest Territories and yukon Territory since 1982.
4. I have not received nor do I expect to receive any interest, direct or indirect, in the property of Teck Exploration Ltd. or of Indata Resources Ltd. or any of their affiliates; nor do I own any securities, directly or indirectly, of Teck Exploration Ltd. or any share of Indata Resources Ltd. or any share of Indata Resources Ltd.

P. Donkersloot, B.Sc.

WRITER'S CERTIFICATE

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4238 West 11th Avenue, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).
3. I am a member of the Society of Exploration Geophysicists, the European Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.
4. I have been practicing my profession for 21 years.
5. I am a Professional Geophysicist licensed in the Province of Alberta.
6. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd., Indata Resources Ltd. or any affiliates.
7. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 12th day of December, 1991.

PAUL A. CARTWRIGHT, P.GEOPH.

WRITER'S CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do here by certify:

1. I am a geophysicist residing at 5512 Kings Road, Vancouver, British Columbia.
2. I am a graduate of McGill University, Montreal, Quebec with a B.Sc. degree (1981).
3. I have been practising my profession for 10 years.
4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd. , Indata Resources Ltd. or any affiliates.
5. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 12th day of December, 1991.

Michael J. Cormier

Michael J.Cormier, B.Sc.

APPENDIX I

1991 DRILL LOGS

TECK EXPLORATIONS LIMITED

HOLE No. DDH 91H-1

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 3

ELEVATION 1120m

GRID COORD.

NORTHING 4888

EASTING 5387

DATE : COLLARED Aug 2, 91

: COMPLETED Aug 3, 91

: LOGGED Aug 3-4, 91

LOGGED BY : P-Dankerskot

CORE SIZE : BQ

DEPTH	DIP	AZ.
0	-45°	265°

LENGTH : 91.44

DEPTH OF OVB : 5.20

CASING REMAINING :

WATERLINE LENGTH :

PROBLEMS :

DEPTH (metres) FROM TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0-5.20		overburden						33514	5.80	7.30	1.50	
5.20-5.65		diorite (weak chl-ep alt)						33501	7.30	8.30	1.00	
5.65-7.30		dyke? or chl alt monzonite porphyry?						33502	8.30	9.30	1.00	
7.30-14.42		K-sp alt dio						33503	9.30	10.30	1.00	
14.42-19.00		altered monzonite porphyry						33504	10.30	11.30	1.00	
19.00-20.60		fault						33505	11.30	12.30	1.00	
20.60-40.00		monzonite porphyry						33506	12.30	13.30	1.00	
40.00-51.10		chl-K altered diorite						33507	13.30	14.42	1.12	
61.10-51.66		fault						33508	14.42	16.00	1.58	
51.66-65.50		chl-K altered diorite						33509	16.00	17.50	1.50	
65.50-91.44		diorite (weak chl-ep alt)	91%					33510	17.50	19.00	1.50	
								33511	19.00	20.50	1.50	
								33512	20.50	22.00	1.50	
								33513	22.00	23.50	1.50	
								33515	23.50	25.00	1.50	
								33516	25.00	26.50	1.50	
								33517	26.50	28.00	1.50	
								33518	28.00	29.50	1.50	
								33519	37.00	38.50	1.50	
								33520	38.50	40.00	1.50	
								33521	40.00	41.50	1.50	
								33522	41.50	43.00	1.50	
								33523	43.00	44.50	1.50	
								33524	44.50	46.00	1.50	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DIAMOND DRILL LOG

COMPANY _____

PROJECT _____

PROPERTY _____

NTS _____

CLAIM _____

ELEVATION _____

GRID COORD. _____

NORTHING _____

EASTING _____

DATE : COLLARED _____

: COMPLETED _____

: LOGGED _____

LOGGED BY : _____

CORE SIZE : _____

DEPTH	DIP	AZ.

LENGTH : 91.14

DEPTH OF OVB : _____

CASING REMAINING : _____

WATERLINE LENGTH : _____

PROBLEMS : _____

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA: SAMPLE NO.	FROM	TO	LENGTH	RESULTS
								33525	46.00	47.50	1.50	
								33526	47.50	49.00	1.50	
								33527	49.00	51.10	2.10	
								33528	51.10	51.65	0.55	
								33529	51.65	53.00	1.35	
								33530	53.00	54.86	1.86	
								33531	54.86	57.91	3.05	
								33532	57.91	61.00	3.09	
								33533	61.00	64.00	3.00	
								33534	64.00	65.50	1.00	
								33535	65.50	67.06	1.56	
								33536	67.06	70.10	3.04	
								33537	70.10	73.15	3.05	
								33538	73.15	76.20	3.05	
								33539	76.20	79.25	3.05	
								33540	79.25	82.30	3.05	

TECK EXPLORATIONS LIMITED

HOLE No. DDH 91H-1

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
0	5.20		OVERBURDEN										
5.20	5.65		DIORITE (weak chl-Ep alt) - med gr equigranular - mod dusty Mt (5%?) - weak chl and Ep alt within feldspar - core is mildly - minor Fe-Ox along fract				chl-ep	Py tr					
5.65	7.30		FELSIC ALT MONZONITE PORPHYRY? (DYKE) grey green porphyritic rock with aphanitic groundmass - 20% feldspar phenos (1mm dia) - 15% fine gr biotite flakes - greenish (chl) overprint masking original texture - tr diss Py core is blocky						33514	5.90	7.30	1.50	
7.30	14.12		K+EP ALT DIO - orange to grey green med grained equigr dio - strong K and Ep alt - K alt varies in intensity and appears to replace other feldspars (texturally occurs along cleavage features) - Ep occurs in irregularly shaped blebs (5mm-5cm in dia) - cut by moderate amount of hairline Ep fractures (¼mm) (dominant ∠20°) - appears to be more than one generation of Ep fracture - rare blebs of Gyp can be found within Ep - tr diss Py - mod dusty Mt (≥.5%) - minor Fe-Ox along fract				K-Ep	Py tr Gyp rare	33501	7.30	8.30	1.00	
									33502	8.30	9.30	1.00	
									33503	9.30	10.30	1.00	
									33504	10.30	11.30	1.00	
									33505	11.30	12.30	1.00	
									33506	12.30	13.30	1.00	
									33507	13.30	14.12	1.12	
7.30	7.65		coarser grain size (pegmatite)										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO.	FROM	TO	LENGTH	RESULTS
14.42-19.00		ALTERED MONZONITE PORPHYRY fine grained green to grey - orange porphyritic rock with aphanitic groundmass - 45% 1-2mm dia feldspar phenocrysts - 15% fine gr biotite flakes - core is rubbly - moderate Fe-Ox staining - mod chl alt - chl alt and Fe-staining make original texture difficult to see - minor Ep blebs in rare Cpy - cut by many Ca fracts (1/10cm)		contact 45°		K-lam?	tr Py rare Cpy	33506 33508 33510	14.42 16.00 17.50	16.00 17.50 19.00	1.58 1.50 1.50	
18.00-19.00		strong chl alt / rock is bleached										
19.00-20.50		FAULT ZONE - altered monzonite porphyry w 10% light brown clay poor recovery - core consists of rubble no larger than 2cm in dia - monzonite porphyry is rusty and bleached						33511	19.00	20.50	1.50	
20.50-40.00		MONZONITE PORPHYRY - grey orange fine grained rock with 35% 1-2mm dia feldspar phenocrysts and 15% mafic phenocrysts (biotite and amphibole?) - rock is cut by minor (1/30cm) hairline Ca fractures				K-lam?	tr Py	33512 33513 33515 33516 33517 33518	20.50 22.00 23.50 25.00 26.50 28.00	22.00 23.50 25.00 26.50 28.00 29.50	1.50 1.50 1.50 1.50 1.50 1.50	
20.50-21.50		- mod chl alt - rock is slightly bleached - many (1/5cm) 1-2mm wide Ca veinlets			∡40°							
~~21.50-23.50~~		- milky grey alt in rock (albite?)										
21.50-22.50		- mod Ca fracts (1/10cm) - weak milky white alt (albite?)										
23.33-23.43		10 cm wide Ankerite-Ca vein			∡40°							
24.00-24.00		weak Ep alt										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
27.00-32.00		minor (Orig?) fractures with surrounding						33519	37.00	38.50	1.50	
		K alt emanating into wall rock (45°)						33520	38.50	40.00	1.50	
32.00-40.00		reddish orange alt (Fe Carb? or K?)										
		- many (1/5cm) Ca fcts			∠35°							
40.00-51.10	10	CHL-K ALT DIO		∠75°		Chl-K	Tr Py rare Cpy	33521	40.00	41.50	1.50	
		green grey med gr equigr dio						33522	41.50	43.00	1.50	
		-mod-strong chl alt-						33523	43.00	44.50	1.50	
		-weak to mod K alt occurring						33524	44.50	46.00	1.50	
		along fcts and replacing						33525	46.00	47.50	1.50	
		original feldspar - common						33526	47.50	49.00	1.50	
		Ep fcts - ≈5% diss MT						33527	49.00	51.10	2.10	
		- Tr diss Cpy - small specs - Tr Py										
42.00-43.50		- strong chl alt -										
42.50-43.50		- core is blocky - 5% grey green clay										
45.00-45.50		- strong chl alt - 2% grey green clay										
50.50-51.10		30% Ep occurring as irregular shaped blebs in rock										
51.10-51.65		FAULT		∠60°				33528	51.10	51.65	0.55	
		- chl-ep alt dio w 40% light green (Ep rich) clay										
51.65-65.50		CHL-K ALT DIO						33529	51.65	53.00	1.35	
		- same as 40.00-51.10 unit -				Chl-K	Tr Py rare Cpy	33530	53.00	54.86	1.86	
		except this unit has both Qz and						33531	54.86	57.91	3.05	
		Ca fcts (dominant ∠60°)						33532	57.91	61.00	3.09	
57.91-59.95		andesite dyke? (aphanitic grey green chl alt rock)						33533	61.00	64.00	3.00	
								33534	64.00	65.00	1.00	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H1

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
65.50–91.44		DIORITE (weak chl-ep alt)						33505	65.50	67.06	1.56	
		- green grey med gr equigranular						33506	67.06	70.10	3.04	
		dio - mod chl alt - minor						33507	70.10	73.15	3.05	
		Ep fracts (1/m) - dominant						33508	73.15	76.20	3.05	
		core angle of fracts is ∢75°						33509	76.20	79.25	3.05	
		≥5% bio Mt - most biotite						33510	79.25	82.30	3.05	
		possibly replacing mafic minerals										
		- tr diss Py - trace Cpy specs										
		(usually within Ep)										
82.00		3cm wide Ep Vn		∢60°	∢65°							
83.11		3cm wide Ep Vn			∢65°							
87.33–87.40		zone of fine grained biotite ? w/			∢60°							
		minor Ep										
91.44		EOH										

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-2 PAGE 1 of 6

DIAMOND DRILL LOG

COMPANY

PROJECT HEATH

PROPERTY

NTS 93N/16

CLAIM HEATH 1

ELEVATION

GRID COORD. 51+00N / 49+50E

NORTHING

EASTING

DATE: COLLARED AUG. 3

: COMPLETED AUG. 4

: LOGGED

LOGGED BY: J. Toohey

CORE SIZE: BQ Thin Wall

DEPTH	DIP	AZ.

LENGTH: 389 ft / 118.56m

DEPTH OF OVB: 4.71 metres

CASING REMAINING: 10 feet

WATERLINE LENGTH:

PROBLEMS:

DEPTH (Metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS CU	AU	AG	ZN	PB
0			Overburden						33541	4.74	5.18	0.44	0.043				
4.71									42	5.18	6.25	1.07	0.039				
									43	6.25	9.45	3.20	0.023				
4.71	-5.18		Banded quartz-py-tetrahedrite vein						45	9.45	11.43	1.98	0.037				
									46	11.43	13.72	2.29	0.047				
									47	13.72	16.76	3.04	0.046				
5.18	-5.56		Zone of intense chlorite/talc alteration of diorite in vein fw, mt destroyed				chlorite, talc		48	16.76	19.81	3.05	0.031				
									49	19.81	21.64	1.83	0.027				
									50	21.64	24.69	3.05	0.031				
	118.56								33301	24.69	27.74	3.05	0.060				
5.56	-~~36.00~~		Intensely propylitized diorite				propylitic		2	27.74	30.79	3.05	0.067				
	EOH		Rock is med - coarse grained equigranular w/ 50-70% euh. plag (saussuritized) and 20-40% euh. mt. Primary hornblende and pyroxene almost completely altered above 36.00m				↓ EOH		3	30.79	32.46	1.67	0.056				
									4	32.46	35.51	3.05	0.046				-
									5	35.51	36.58	1.07	0.083				
									6	36.58	39.17	2.59	0.026				
									7	39.17	41.61	2.44	0.023				
									8	41.61	44.30	2.69	0.033				
									9	44.30	47.55	3.25	0.076				
									10	47.55	49.53	1.98	0.011				
									11	49.53	51.51	1.98	0.096				
									12	51.51	54.56	3.05	0.067				
									13	54.56	57.61	3.05	0.107				
									14	57.61	60.96	3.35	0.071				
									15	60.96	64.16	3.20	0.111				

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-2

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)
8.65	8.90		Coarse pink euh. k-spar dispersed over interval				k-spar	
13.62	14.10		Irregular zones of epidote					
and			replacement w/ abundant					
15.25	16.30		coarse mt, high concentration				epidote, mt	
			cp					
27.00	27.50		Brecciated zone w/ moderate					
			carbonate veining			carb.		
34.50	34.63		Intense epidote and k-spar					
			alteration in discrete zone				epidote, k-spar	
37.90	38.00		Patchy intense epidote alteration					
			without k-spar				epidote	
44.18	44.28		Fine grained andesite dyke		0 ± 45			
46.20	46.26		Mt veinlet w/ assoc. coarse		c ± 45	mt, py, cp		
			py, cp					
54.21	54.24		Mt veinlet, abundt coarse subh		c ± 45	mt, cp		
			cp intergrown w/ mt grains					
54.34			Narrow zone of epidote stringers,				epidote	
			random orientation					
59.76	59.94		Mt vein, abundt coarse subh cp		c ± 90	mt, cp		
			intergrown w/ mt grains					

SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
33316	64.16	67.36	3.20	0.080
17	67.36	70.41	3.05	0.085
18	70.41	73.49	3.08	0.071
19	73.49	76.50	3.01	0.069
20	76.50	79.55	3.05	0.066
21	79.55	82.60	3.05	0.104
22	82.60	85.59	2.99	0.039
23	85.59	88.69	3.10	0.073
24	88.69	91.74	3.05	0.032
25	91.74	94.79	3.05	0.047
26	94.79	97.84	3.05	0.137
27	97.84	100.93	3.04	0.042
28	100.88	103.93	3.05	0.061
29	103.93	106.98	3.05	0.015
30	106.98	110.03	3.05	0.006
31	110.03	113.09	3.06	0.005
32	113.09	116.12	3.03	0.005
33333	116.12	118.56	2.44	0.005

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-2

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
54.94	55.97		Fine grained pyroxenite										
55.55	55.62		Mt. vein w/ minor epidote		c∢ 25	mt	epidote						
3.96			Begin noting fresh euh. brown biotite. Occurs in coarse ~~clots~~ aggregates w/ increasing frequency w/ depth. Appears to be secondary - ie potassic alteration feature. Biotite observed throughout rest of hole				biotite ↓ EOH						
61.62	61.64		Epidote veinlet		c∢ 62	epidote							
72.87			Narrow epidote veinlet		c∢ 50	epidote							
73.67			Narrow epidote veinlet w/ assoc increase in abundance of fine grained cp over 4 cm halo.		c∢ 60	epidote cp							
76.27			Mt veinlet 3cm wide w/ assoc. coarse cp			mt, cp							
78.70			Narrow mt veinlet, coarse cp halo		c∢ 60	mt, cp							
79.42	79.50		Patchy epidote alteration, assoc increase in abundance of cp				epidote						
80.78	80.91		Fault w/ epidote alteration and calcite, fine grained cp				epidote, calcite						

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-N-2

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
81.48	90.28		Series of narrow mt veinlets w/ haloes of coarse disseminated cp :										
			81.48		C∠42	mt, cp							
			81.57		C∠40	mt, cp							
			83.10		C∠40	mt, cp							
			83.51		C∠47	mt, cp							
			83.60		C∠40	mt, cp							
			85.50		C∠52	mt, cp							
			85.86		C∠40	mt, cp							
			86.12		C∠33	mt, cp							
			89.53		C∠40	mt, cp							
			90.28		C∠50	mt, cp							
90.32	91.25		Zone of wispy irregular mt stringers										
90.78	91.03		70% mt + cp + py, 10-15% cp as coarse grains			mt, cp, py							

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-2

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
91.74	92.92		zone of wispy irregular calcite stringers, assoc. weak epidote alteration				calcite epidote						
92.23			Narrow mt veinlet w/ halo of coarse cp		CA 55	mt, cp							
92.88	92.93		Fault - chlorite, epidote and calcite in intense mylonite zone				chlorite epidote, calcite						
~~92.53~~			Series of narrow mt veinlets w/ haloes of coarse disseminated cp:										
			93.53		CA 50	mt, cp							
			94.75		CA 85	mt, cp							
			96.51 4cm wide		CA 50	mt, cp							
			96.70		CA 60	mt, cp							
			96.81		CA 50	mt, cp							
			97.17		CA 45	mt, cp							
			97.68		CA 40	mt, cp							
99.00	101.45		Zone of wispy calcite stringers and planar veinlets			calcite							

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-2

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
	99.33		Narrow mt veinlet w/ halo of coarse cp (6 cm veinlet)		c∠ 50	mt, cp							
102.20	103.12		calcite veining on shears		c∠ 17	calcite							
	73.73		calcite-epidote veinlet		c∠ 50	calcite, epidote							
104.05	104.27		zone of irregular wispy calcite stringers										
105.02	105.35		Fault w/ calcite veining		c∠ 35	calcite							
106.41			Narrow mt veinlet w/ halo of coarse cp		c∠ 75	mt, cp							
108.74	109.00		weak patchy epidote alteration, assoc. minor fine grained py-cp				Epidote						
115.41	115.96		strong epidote alteration				Epidote						
115.49	115.60		Carbonate vein										
116.97	117.75		Fault - intensely chloritized, hematized, mylonitized diorite, intervals of gouge				chlorite hematite						
117.75	118.56 EOH		Fine to med grained pyroxenite, propylitized and hematitic, very coarse mt										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM

ELEVATION 1015m

GRID COORD.

NORTHING 4950

EASTING 4625

DATE: COLLARED Aug 4,91

COMPLETED Aug 6,91

LOGGED Aug 7,91

LOGGED BY: P. Dankowski

CORE SIZE: BQ

DEPTH	DIP	AZ
0	-90	

LENGTH: 110.03

DEPTH OF OVB: 17.83

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS:

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)
0	17.83		overburden					
17.83	35.00		Chl-Ep altered diorite					
35.00	37.19		feldspar porphyry dyke (monzonite?)					
37.19	110.03		Chl-Ep altered diorite	98%				

SAMPLE NO.	FROM	TO	LENGTH
33334	17.83	21.03	3.01
33335	21.03	23.16	2.13
33336	23.16	24.69	1.53
33337	24.69	27.13	2.44
33338	27.13	30.17	3.04
33339	30.17	33.22	3.05
33340	33.22	35.00	1.78
33341	35.00	36.27	1.27
33342	36.27	37.79	1.43
33343	37.79	39.93	2.14
33344	39.93	42.06	2.13
33345	42.06	45.11	3.05
33346	45.11	48.16	3.05
33347	48.16	52.12	4.01
33348	52.12	55.17	2.88
33349	55.17	57.30	2.11
33350	57.30	60.35	3.05
33351	60.35	63.40	3.05
33352	63.40	64.31	0.91
33353	64.31	65.86	1.55
33354	65.86	68.28	2.44
33355	68.28	70.41	2.13
33356	70.41	73.46	3.05
33357	73.46	76.51	3.05

RESULTS

TECK EXPLORATIONS LIMITED

HOLE No. DDH9145 PAGE 16 of 4

DIAMOND DRILL LOG

COMPANY _____

PROJECT _____

PROPERTY _____

NTS _____
CLAIM _____
ELEVATION _____
GRID COORD. _____
NORTHING _____
EASTING _____

DATE : COLLARED _____
: COMPLETED _____
: LOGGED _____

LOGGED BY : _____

CORE SIZE : _____

DEPTH	DIP	AZ.

LENGTH : _____
DEPTH OF OVB : _____
CASING REMAINING : _____
WATERLINE LENGTH : _____
PROBLEMS : _____

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
									33358	76.51	79.55	3.04	
									33359	79.55	80.77	1.22	
									33360	80.77	83.21	2.44	
									33361	83.21	85.65	2.44	
									33362	85.65	87.78	2.13	
									33363	87.78	90.83	3.05	
									33364	90.83	93.88	3.05	
									33365	93.88	97.23	3.35	
									33366	97.23	100.28	3.05	
									33367	100.28	103.33	3.05	
									33368	103.33	106.38	3.05	
									33369	106.38	109.42	3.04	
									33370	109.42	110.03	0.61	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
0-17.83		overburden										
17.83-36.00		Chl Ep Alt Dio				chl Ep	Py ≤5 Cpy Tr	33334	17.83	21.03	3.01	
		grey green med grained equigranular						33335	21.03	23.16	2.13	
		diorite - strong chl alt - minor Ep alt						33336	23.16	24.69	1.53	
		(usually emanating outward from						33337	24.69	27.13	2.44	
		fractures in rock) - mafic grains						33338	27.13	30.17	3.04	
		consist of biotite, chlorite and						33339	30.17	33.22	3.05	
		magnetite (possibly some pyroxene						33340	33.22	35.00	1.78	
		remaining) - Tr diss Py - rare						33341	35.00	36.27	1.27	
		cpy grains (very fine) + rock is						33342	36.27	37.79	1.43	
		cut by a network of hairline (1/cm)										
		Ca fractures (dominant core angle 25°)										
		- ≤5% diss Mt										
17.83-		mod Fe-Ox staining along fractures										
18.25		- 2mm wide Fe stained Ca veinlets			∢40°							
19.45		- 2 mm wide Fe stained Ca veinlet			∢38°							
23.40		- 2mm wide Fe stained Ca veinlets			∢30°							
26.00-35.00		≤7% diss Py - rare diss Cpy										
32.25-32.55		strong chl alt many Qz-Ca		fault ∢30°								
		veinlets (2mm-1cm wide, 1/2cm)										
		- 3 cm wide green grey clay										
		interval in middle / gouge										
32.00-35.00		- minor K alt within feldspars										
36.00-37.79		Feldspar porphyry dyke (monzonite ?)		upper contact ∢45		red orange (?)	[illegible]					
		- red orange aphanitic rock										
		with 35% 1-3 mm long elongate										
		feldspar phenos and 5%										
		5mm - 2cm long rectangular										
		orthoclase? phenocrysts + strong										
		red orange (Fe carbonate? K? Hem?)										
		alt in both groundmass and phenos										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
35.00-37.79		Feldspar Porphyry dyke (monzonite?) cont'				red orange (?)						
		- 1% grey clay along fractures										
		of rock - many (1/5cm) hairline										
		Ca fractures (dominant ∢ 40°)										
		- 100cm of grey clay along		fault ∢20°								
		lower contact (fault contact)										
37.79-110.03		Chl-Ep Alt Dio				chl, Ep	≤Py 5% Cpy Tr	33343	37.79	39.93	2.14	
		- med grained grey - green						33344	39.93	42.06	2.13	
		equigranular diorite - strong						33345	42.06	45.11	3.05	
		chl alt - weak ep alt (mainly						33346	45.11	48.16	3.05	
		emanating outward along fracts						33347	48.16	52.12	4.04	
		of rock) - many hairline Ca						33348	52.12	55.17	2.88	
		fracts (dominant ∢ 35°) - mafics						33349	55.17	57.30	2.11	
		consists of chl and bio and Mt						33350	57.30	60.35	3.05	
		with possibly minor amounts						33351	60.35	63.40	3.05	
		of original pyroxene - ≤5% diss Py						33352	63.40	64.31	0.91	
		- rare diss cpy (very fine)						3335[illegible]	64.31	65.84	1.53	
		- X E% diss Mt						3335[illegible]	65.84	68.28	2.44	
42.55-42.78		biotite rich interval (65% biotite)		contact ∢70°				33355	68.28	70.41	2.13	
		w 15% 1-2mm dia irregularly						33356	70.41	73.46	3.05	
		shaped feldspar blebs - 2% diss						33357	73.46	76.51	3.05	
		Epyt										
45.90-46.21		- interval w 20% bio 30% chl										
		and 15% Ep										
52.00-55.00		- biotite (30%)/Chl (20%) rich interval			∢65°							
60.70-60.75		Qz-Ep vein										
64.00-66.00		core is blocky										
67.40-68.40		2mm Ca Vn			∢10°							
73.40-74.10		3mm Ca Vn			∢10°							

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H3

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)
78.00-		- increase in cpy content					
		- decrease in py content ≤3%					
		- increase in Mt ≥8%					
78.00-82.40		- weak K-alt (emanating outward along fractures in rock) - usually associated w epidote					
80.75		- 5mm grey green clay interval (gouge) with slickensides along margins		fault ∡35°			
82.13-82.42		Ca vein w minor (2%) clay mixed in - 20 cm alteration zone on either side of vein contains much flesh coloured (ankerite?) alteration			∡80°		
83.00-85.50		- coarse grained pegmatitic interval					
87.78		- 4cm interval of slightly carbonaceous green clay		fault ∡30°			
92.25-92.30		Ep-Ca vein w graphitic margins		fault? ∡40°	∡40°		
97.00-98.00		- weak K alt along irregularly shaped blobs					
100.10-101.15		interval w 40% fine gr lithic grdell					
102.50		3mm wide Ca veinlet w 10cm wide alteration halo in wallrock that contains much ep and minor K			∡15°		
110.03		EOH					

SAMPLE DATA

SAMPLE NO	FROM	TO	LENGTH	RESULTS
33358	76.51	79.55	3.04	
33359	79.55	80.77	1.22	
33360	80.77	83.21	2.44	
33361	83.21	85.65	2.44	
33362	85.65	87.78	2.13	
33363	87.78	90.83	3.05	
33364	90.83	93.88	3.05	
33365	93.88	97.23	3.35	
33366	97.23	100.28	3.05	
33367	100.28	103.33	3.05	
33368	103.33	106.38	3.05	
33369	106.38	109.42	3.04	
33370	109.42	110.03	0.61	

TECK EXPLORATIONS LIMITED

HOLE No. BDH91H4

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 1

ELEVATION 1162

GRID COORD.

NORTHING 5953

EASTING 4801

DATE: COLLARED Aug 6, 91

: COMPLETED Aug 7, 91

: LOGGED Aug 9, 91

LOGGED BY: Paul Denkenlat

CORE SIZE: BQ

DEPTH	DIP	AZ
0	-45	212°

LENGTH: 112.77

DEPTH OF OVB: 3.09

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS:

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	3.09		overburden						33571	18.29	20.95	2.66	
3.09	8.55		diorite (weak chl-ep alt)						33572	20.95	25.10	4.15	
8.55	20.90		feldspar porphyritic mafic dyke						33587	25.10	26.05	0.95	
20.90	25.10		chl-ep-alt. diorite						33573	26.05	27.43	1.38	
25.10	26.05		feldspar porphyritic mafic dyke						33574	27.43	30.48	3.05	
26.05	66.95		chl-ep-alt. diorite/pegmatite						33575	30.48	33.53	3.05	
66.95	67.35		mafic dyke						33576	33.53	35.96	2.43	
67.35	69.40		chl-ep-blt. diorite/pegmatite						33577	35.96	39.32	3.36	
69.40	71.60		mafic dyke						33578	39.32	42.67	3.35	
71.60	112.77		chl-ep-blt. diorite	98%					33579	42.67	45.72	3.05	
									33580	45.72	48.77	1.52	
									33581	48.77	50.29	3.05	
									33582	50.29	53.34	1.52	
									33583	53.34	56.96	3.05	
									33584	54.9%	57.91	3.05	
									33585	57.91	60.9%	3.05	
									33586	60%	64.00	3.04	
									33588	64.00	67.05	3.05	
									33589	67.75	69.40	1.65	
									33590	71.60	73.15	1.55	
									33591	73.15	76.20	3.05	
									33592	76.20	79.24	3.04	
									33593	79.24	81.07	1.83	
									33594	81.07	83.51	2.44	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91-14

DIAMOND DRILL LOG

COMPANY

PROJECT

PROPERTY

NTS

CLAIM

ELEVATION

GRID COORD.

NORTHING

EASTING

DATE : COLLARED

: COMPLETED

: LOGGED

LOGGED BY :

CORE SIZE :

DEPTH	DIP	AZ.

LENGTH :

DEPTH OF OVB :

CASING REMAINING :

WATERLINE LENGTH :

PROBLEMS :

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA: SAMPLE NO.	FROM	TO	LENGTH	RESULTS
								33395	83.51	85.54	2.03	
								33396	85.54	86.96	1.52	
								33397	97.53	100.58	3.05	
								33398	100.58	103.63	3.05	
								33399	103.63	108.50	4.88	
								33400	108.50	109.72	1.22	
								33401	109.72	112.77	3.05	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H4

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
0-3.09		overburden										
3.09-8.55		Diorite (minor chl-ep alt)				chl ep	Py^{tr}					
		green gray med grained equigranular										
		dio - mod chl alt - weak										
		Ep alt (emanating outward										
		along fractures of rock) - ≥5% diss Mt										
		- mafics consist of bio-chl-										
		Mt and pyroxene - trace diss Py										
3.09-7.00		- minor Fe-Ox staining along										
		fractures										
4.15		2mm Ca Vn			∡30°							
8.55-20.90		Feldspar porphyritic dyke		contact ∡50°				33371	18.29	20.95	2.66	
		- green gray fine grained dyke										
		with 15% 1-2mm long										
		elongate feldspar phenocrysts										
		- 20% fine gr biotite flakes - tr										
		diss Py - minor chl alt - minor (1/30cm)										
		Ca fracts - dominant core angle is 35°										
		- minor Ep fracts (1/40cm)										
9.90-10.10		diorite interval										
14.35		5mm wide Ep veinlet with			∡60°							
		10cm wide alt. halo in wallrock										
20.55-20.70		diorite interval										
20.90-25.10		Diorite (Chl-Ep alt)		contact ∡35°				33372	20.95	25.10	4.15	
		- med gr equigranular dio - mod										
		chl alt - mod ep alt (emanating										
		into wallrock from fracts) - tr diss Py										
		- 1% diss Cpy - ≥5% diss MT										
		- mafics consist of bio-chl-and minor										
		pyroxene - minor Ca fracts 1/30cm										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H4

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
25.10-26.05		Feldspar Porphyritic Dyke		contact ∠40°		Chl	Py Tr	33387	25.10	26.05	0.95	
		green grey fine grained dyke										
		with 15% 1-2mm long elongate										
		feldspar phenos - 70% fine gr biotite										
		flakes - tr diss Py - minor chl										
		alt minor - mod (1/30cm) Ca fcts										
		+ minor Ep fcts						33373	26.05	27.43	1.38	
26.05-60.95		Chl - Ep alt Dio - Pegmatite				Ep. Chl	Cpy ≤3% Py Tr	33374	27.43	30.48	3.05	
		coarse to med grained grey green						33375	30.48	33.53	3.05	
		diorite - strong Chl alt						33376	33.53	35.96	2.43	
		mod to strong Ep alt along						33377	35.96	39.32	3.36	
		fractures and emanating into						33378	39.32	42.67	3.35	
		wallrock - many hairline						33379	42.67	45.72	3.05	
		Ca fcts (1/5cm) (dominant core angle 30°)						33380	45.72	48.77	3.05	
		- ≤3% diss Cpy + tr diss Py						33381	48.77	50.29	1.52	
		- texture ranges from pegmatitic						33382	50.29	53.34	3.05	
		with 15% coarse biotite flakes to						33383	53.34	54.86	1.52	
		med grained equigranular -						33384	54.86	57.91	3.05	
		mafics consist of biotite (15% of rock)						33385	57.91	60.96	3.05	
		Mt (2% of rock) chl and minor pyroxene										
31.00-32.00		- weak K alt										
41.00-45.80		- feldspar rich interval - some										
		appears to be secondary (albitization)										
44.95-45.55		- 70% Ep along irregularly shaped										
		blob										
45.55-45.83		- 70% hematitic feldspar										
49.00-50.00		- core is rubbly										
53.00-60.95		- cpy content decreases to just										
		trace amounts										
57.00		5mm Ca vein with slickensides			∠25°							
60.65-60.90		green grey aphanitic dyke with mod chl alt		contact ∠60°								

TECK EXPLORATIONS LIMITED

HOLE No. DDH 91-14

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
64.00	74.00		minor Fe-Ox staining along fract						33386	60.96	64.00	3.04	
56.00	84.00		relatively clay alt in many of the Ca deficient						33387	64.00	67.05	3.05	
65.10	66.55		- chloritic interval w/ 10% Py and 5% cpy - green aphanitic host (dyke?)		∠75°								
66.95	67.75		Mafic Dyke green grey aphanitic relatively fresh rock with 15% feldspar specks		∠25°								
67.75	69.10		Chl - Ep alt Dio & Pegmatite - med to coarse grained grey green diorite - strong chl alt + trace Ep alt (along fract) - 2% dissem Mt - much bio and Chl in matrix - tr dissem Cpy - tr dissem Py				chl-ep	Py tr Cpy tr	33389	67.75	69.10	1.65	
68.12	68.90		- chloritized interval w/ 25% Cpy and 5% Py - in green aphanitic host (dyke?)		∠75°								
69.40	71.10		Mafic Dyke - green grey aphanitic relatively fresh rock with 15% feldspar specs		∠25°				33390	71.60	73.15	1.55	
									33391	73.15	76.20	3.05	
									33392	76.20	79.24	3.04	
71.60	112.77		Chl - Ep alt Dio - cpy green med grained dio tr to minor 10cm to 1m wide coarse grained pegmatitic intervals - mod Chl alt - fract - mafic consist of bio - chl - Mt (2% of rock) and trace pyroxene? - Tr galena Py - rock is cut by minor Ca veins (1/m)				chl-ep	Py tr	33393	79.24	81.07	1.83	
									33394	81.07	83.51	2.44	
									33395	83.51	85.34	2.03	
									33396	85.34	86.86	1.52	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H4

DEPTH (metres) FROM TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
79.50-84.50		- rock is cut by a network of 1mm to 2cm wide Ca veins (2/5cm) - minor black material found with veins - mod Ep alt in the interval - dominant core angle of veins is 30°			∢30°							
97.50-112.77		- mod Ep alt occurring in irregularly shaped blobs - rare fine cpy specs						33397	97.58	100.58	3.05	
								33398	100.58	103.63	3.05	
								33399	103.63	108.50	4.87	
101.00		1cm wide Ca vein			∢30°			33400	108.50	109.72	1.22	
103.00-112.77		minor clay alt in calcite veins						33401	109.72	112.77	3.06	
112.77		EOH										

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-5 PAGE 1 of 3

DIAMOND DRILL LOG

COMPANY

PROJECT HEATH

PROPERTY

NTS 93N/6

CLAIM HEATH 1

ELEVATION

GRID COORD. 48400N/50150E

NORTHING

EASTING

DATE: COLLARED AUG. 7

: COMPLETED AUG. 8

: LOGGED

LOGGED BY: J. TOOHEY

CORE SIZE: BQ THIN WALL

DEPTH	DIP	AZ

LENGTH: 340 ft. / 103.63 m

DEPTH OF OVB: 3.96 m

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS:

DEPTH (ftres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS % Cu
0	3.96		Overburden						33402	3.96	6.10	2.44	
									3	6.10	9.14	3.04	
3.96	103.65		Medium to coarse grained equigranular hornblende magnetite diorite. 60-70% plagioclase (saussuritized). No K-feldspar alteration of plagioclase, Potassic alteration seen as local patchy zones of secondary brown biotite replacing hornblende.						4	9.14	12.19	3.05	
									5	12.19	15.24	3.05	
									6	15.24	18.29	3.05	
									7	18.29	21.33	3.04	
									8	21.33	24.38	3.04	
									9	24.38	26.43	2.05	
									10	26.43	27.43	1.00	
									11	27.43	30.46	3.03	
									12	30.46	33.53	3.07	
									13	33.53	36.51	2.44	
									14	36.51	39.62	3.05	
									15	39.62	42.67	3.05	
									16	42.67	45.72	3.05	
									17	45.72	48.77	3.05	
									18	48.77	51.81	3.05	
									19	51.81	53.69	1.88	
									20	53.69	56.39	2.70	
									21	56.39	57.91	1.52	
									22	57.91	60.96	3.05	
26.43	27.43		Basalt dyke						23	60.96	64.01	3.04	
									24	64.00	67.05	3.05	
									33425	67.05	70.10	3.05	

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-5

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS % Cu
			Magmatic magnetite occurs throughout the diorite as medium- to coarse-grained disseminations. No magnetite veinlets (ie hydrothermal) observed.						3426	70.10	73.15	3.05	
									27	73.15	76.20	3.05	
									28	76.20	78.80	2.60	
									29	79.68	80.77	1.09	
									30	80.77	81.72	0.95	
									31	82.18	85.34	3.16	
									32	85.34	88.39	3.05	
									33	88.39	91.44	3.05	
									34	91.44	94.48	3.05	
									35	94.48	97.53	3.05	
									36	97.53	100.58	3.05	
									3437	100.58	103.63	3.05	
			Localized patchy hematization of magnetite seen in coarse-grained diorite										
			Disseminated chalcopyrite observed throughout most of hole. Megascopically-visible grains seen at fairly regular intervals. Strong association of coarse chalcopyrite with epidote alteration not evident as in DDH-91-H-2.										
78.80	78.63		Basalt dyke		c.a. 70								

TECK EXPLORATIONS LIMITED

HOLE No. PDH-91-H-5

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	SAMPLE DATA FROM	SAMPLE DATA TO	SAMPLE DATA LENGTH	RESULTS
81.72	82.18		Fault- Breccia with white dolomite matrix and veining. Re-brecciated zone of dolomite alteration extending 30 cm into FW and HW (spotted texture of dolomite replacement) No associated mineralization										
103.6m		- EOH											

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-H-6 PAGE 1 of 2

DIAMOND DRILL LOG

COMPANY

PROJECT HEATH

PROPERTY

NTS 93N/6

CLAIM HEATH 1

ELEVATION

GRID COORD. 53100N/57120E

NORTHING

EASTING

DATE: COLLARED AUG. 8

: COMPLETED AUG. 9

: LOGGED AUG. 10-91

LOGGED BY: J. TOOHEY

CORE SIZE: BQ THIN WALL

DEPTH	DIP	AZ.

LENGTH: 346 ft / 105.46m

DEPTH OF OVB: 5.18 m

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS:

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	5.18		overburden										
5.18	105.46		Medium- to coarse-grained equigranular hornblende magnetite diorite. 60-70% plagioclase (saussuritized)										
			Potassic alteration of variable intensity seen throughout hole. Generally pervasive, seen as spotted orange-pink colouration of feldspar component of diorite, local more intense K-feldspar zones distributed throughout hole. The more intense zones of K-feldspar alteration are fracture-controlled and overprinted by epidote and chlorite alteration haloes controlled by the same fractures									

TECK EXPLORATIONS LIMITED

HOLE No. DDH-91-11-6

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
			No megoscopically - visible chalcopyrite or pyrite observed on cursory wetting and examination of entire core										
			Magmatic magnetite occurs as medium - to coarse-grained disseminations throughout hole. No magnetite veinlets (ie hydrothermal)										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H7

PAGE 1 of 1

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 3

ELEVATION 945m

GRID COORD.

NORTHING 4095

EASTING 4258

DATE: COLLARED Aug 9, 91

: COMPLETED Aug 10, 91

: LOGGED

LOGGED BY: L

CORE SIZE:

DEPTH	DIP	AZ.
0	-90	

LENGTH: 30.17

DEPTH OF OVB:

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS: Hole abandoned due to excessive overburden (cave out of casing)

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	20.00		overburden (gravel)										
20.00	30.18		overburden (light grey clay)										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H8

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 22

ELEVATION 1380m

GRID COORD.

NORTHING 6791

EASTING 5713

DATE : COLLARED Aug 10 91

: COMPLETED Aug 11, 91

: LOGGED Aug 12, 91

LOGGED BY : Paul Denkenlot

CORE SIZE : BQ

DEPTH	DIP	AZ
0	-90	

LENGTH : 109.72

DEPTH OF OVB : 3.05

CASING REMAINING :

WATERLINE LENGTH :

PROBLEMS :

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	3.05		overburden						33458	48.77	51.81	3.04	
3.05	48.30		dk alt diorite						33459	51.81	54.20	2.39	
48.30	109.72		K-Fp alt diorite	99%					33460	54.20	54.60	0.40	
									33461	54.60	57.91	3.31	
									33462	57.91	60.96	3.05	
									33463	60.96	64.00	3.04	
									33464	64.00	66.75	2.75	
									33465	72.84	74.60	1.76	
									33466	74.60	75.00	0.40	
									33467	75.00	75.89	0.89	
									33468	75.89	78.94	3.05	
									33469	78.94	80.77	1.83	
									33470	80.77	83.51	2.74	
									33471	83.51	85.34	1.83	
									33472	85.34	88.39	3.05	
									33473	88.39	91.44	3.05	
									33474	91.44	94.48	3.04	
									33475	94.48	96.88	2.40	
									33476	96.88	98.58	1.70	
									33477	98.58	100.58	2.00	
									33478	100.58	102.60	2.02	
									33479	102.60	103.63	1.03	
									33480	103.63	106.67	3.04	
									33481	106.67	109.72	3.05	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H8

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
0	3.05		overburden										
3.05	48.30		Diorite (chl-alt) - med grained equigranular grey green grey diorite - mod chl alt - weak K and Ep alt (occur together) (along fracts in rock and eminating outwards) - mafics consist of Mt (≈8% of rock), chl, pyroxene and minor biotite - dominant vein angle of Ep-K fracts is 50°, Tr diss Py				chl-K-Ep	Py Tr					
3.05	5.00		- strong K and Ep alt										
3.05	8.00		- minor Fe-Ox staining along fracts										
12.20			- 3mm wide Ep vein w/ 8% Py			@60°							
12.60	12.65		K alt band centered on 2mm wide Ep vein			@50°							
21.00			1% diss py, minor (1/1m) hairline Py fracture - dominant vein angle 45°										
33.00			moderate K and Ep alt										
37.20	43.80		5mm Ca vein			@35°							
43.05	43.18		- 3cm wide Ep vein surrounded by K alt band			@30°							
43.80	109.72		K-Ep altered Diorite - green grey med grained equigranular diorite - weak chl alt - mod to strong K alt and Ep alt - Ep usually found along fractures and K is found in irregularly shaped blobs along				K-Ep chl	Tr Py, rare Cpy					

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H8

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
47.80			fractures - tr dis Py, rare fine grained dis Cpy (often within the epidote) - fractures consist of pyroxene and Mt (25% of vein) with trace amounts of chlorite and biotite - green Ca veinlets (1/1m) - dominant core angle 50°				K-Ep-Chl	Tr Py, Rare Cpy	33438	48.71	51.81	3.09	
									33439	51.81	54.20	2.39	
									33440	54.20	54.60	0.40	
									33441	54.60	57.91	3.31	
									33442	57.91	60.96	3.05	
									33443	60.96	64.00	3.04	
									33444	64.00	66.75	2.75	
54.10			2cm wide Mt vein with 6cm wide Ca vein in midddle (3% Py)			∠ 50°							
54.20-54.60			- Mt vein in 35% 2mm-2cm dia subangular, chl-Kalt dia clasts - 3% Py in vein			∠ 50°							
54.88-54.83			Ep-Mt vein			∠ 55°							
66.00-71.00			decrease in chl-Ep alt and dis Py										
75.00-75.60			Ca vein in 80% chlorite aphanitic material and chl-contains 10% Py			∠ 40°			33445	72.81	74.60	1.76	
									33446	74.60	75.00	0.90	
									33447	75.00	75.89	0.89	
82.50			- 5cm wide Ca vein in 20% Py, 10% Ep and tr Cpy			∠ 50°			33448	75.89	78.94	3.05	
									33449	78.94	80.77	1.83	
									33450	80.77	83.51	2.74	
86.32-86.37			Ca vein in 10% Chl			∠ 80°			33451	83.51	85.34	1.83	
87.95			5cm Ca vein with 20% Py			∠ 80°			33452	85.34	88.39	3.05	
92.00			minor amount of (1/1m) 1-4cm wide Mt, Ep-Py veinlets-dominant core angle is 80°						33453	88.39	91.44	3.05	
									33454	91.44	94.48	3.04	
									33455	94.48	96.88	2.40	
104.60-104.88			Ca vein in 20% Mt, 15% Py, 7% Ep and minor Chl			∠ 70°			33456	96.88	98.58	1.70	
									33457	98.58	100.58	2.00	
106.53									33458	100.58	102.60	2.02	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H8

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
106.33	108.3		- Ca vein in 30% Mt and 7% Py			40°			33459	102.60	103.63	1.03	
108.05			1cm wide Ca vein with			70°			33460	103.65	106.69	3.04	
			10% Py						33461	106.67	109.72	3.05	
109.72			EOH										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H9

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 22

ELEVATION 1440m

GRID COORD.

NORTHING 7386

EASTING 5570

DATE: COLLARED Aug 11, 91

: COMPLETED Aug 12, 91

: LOGGED Aug 13, 91

LOGGED BY: Paul Desbiolet

CORE SIZE: BQ

DEPTH	DIP	AZ
0	-90	

LENGTH: 93.26

DEPTH OF OVB: 3.50

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS:

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	3.50		overburden						33462	68.58	70.71	2.13	
3.50	79.34		K-Fp alt diorite	99%					33463	70.71	73.10	2.39	
									33464	73.10	73.30	0.20	
									33465	73.30	77.72	4.42	
									33466	77.72	79.34	1.62	
									33467	79.34	82.29	2.95	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H9

DEPTH (metres) FROM TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO	FROM	TO	LENGTH	RESULTS
0-3.50		overburden										
3.50-79.34		K-Ep altered diorite				K-Ep	Tr Py very rare cpy					
		- medium grained equigranular grey										
		green diorite - mod K and Ep alt										
		- K and Ep usually found together										
		- Ep is found along fcts in										
		rock - K emanates outwards										
		from fractures in rock -										
		very weak chl alt - mafics										
		consist of pyroxene, Mt (<5% of rock)										
		and minor biotite - trace diss Py										
		- rare cpy occasionally found along										
		Ep fractures - dominant core										
		angle of Ep fractures is 60°										
20.00-28.00		intensity of K-Ep alt is less										
59.00-60.00		minor hematite along fractures										
		of rock										
60.00-61.00		strong K alt 2% diss Py - tr cpy			∡30°							
73.10-73.30		- black (a vein (quick)										
		in rock aplitic minerals?) with						33462	68.58	70.71	2.13	
		5% 2mm-1cm dia altered						33463	70.71	73.10	2.39	
		chert clasts and 10% Py						33464	73.10	73.30	0.20	
67.00-79.34		- minor hem along fractures						33465	73.30	77.72	4.42	
		increase in K alt Ep alt - increase						33466	77.72	79.34	1.62	
		in Py						33467	79.34	82.29	2.95	
79.34-93.26		Monzonite Porphyry										
		- flesh coloured aplitic rock		contact ∡60°								
		with 40% 2-3mm long elongate										
		feldspar phenocrysts - minor K alt										
		Ep fractures (dominant core angle 50°)										
93.26		(1 vein/m) EOH										

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H10

DIAMOND DRILL LOG

COMPANY

PROJECT 1377

PROPERTY Heath

NTS 93N/6E

CLAIM Heath 2

ELEVATION 1050m

GRID COORD.

NORTHING 6304

EASTING 4151

DATE: COLLARED Aug 12, 91

: COMPLETED Aug 13, 91

: LOGGED Aug 14, 91

LOGGED BY: Paul Dorland

CORE SIZE: BQ

DEPTH	DIP	AZ.
0	-45	68°

LENGTH: 91.74

DEPTH OF OVB: 3.66

CASING REMAINING:

WATERLINE LENGTH:

PROBLEMS: Hole caved water

DEPTH (metres) FROM	TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA SAMPLE NO.	FROM	TO	LENGTH	RESULTS
0	3.66		overburden										
3.66	67.00		intensely K altered diorite										
67.00	91.74		K altered diorite	97									
									53468	21.33	23.77	2.44	
									53469	23.77	25.00	1.23	
									53470	25.00	27.43	2.43	
									53471	27.43	28.65	1.22	
									53472	28.65	31.70	3.05	
									53473	50.96	54.55	3.59	
									53474	54.55	57.00	2.45	
									53475	57.00	60.04	3.04	
									53476	60.04	62.90	2.86	
									53477	62.90	64.00	1.10	
									53478	64.00	67.05	3.05	
									53479	67.05	70.10	3.05	
									53480	70.10	72.54	2.44	
									53481	72.54	75.28	2.74	
									53482	75.28	76.81	1.53	
									53483	76.81	79.24	2.43	
									53484	79.24	82.29	3.05	
									53485	82.29	84.12	1.83	
									53486	84.12	87.47	3.35	
									53487	87.47	89.00	1.53	
									53488	89.00	91.74	2.74	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H10

DEPTH (metres) FROM – TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE ANGLES	STRUCTURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE NO	FROM	TO	LENGTH	RESULTS
0-3.66		overburden										
3.66-67.00		strongly K altered diorite				K	Tr Py					
		- orange coarse grained equigranular										
		diorite - 80% of the felsic minerals										
		have been replaced to K spar.										
		- mafics consist of pyroxene										
		and Mt ≥2% of rock and										
		minor chlorite and biotite - moderate										
		amount of 1-2mm wide										
		Ca-Ep stringers (1/30cm) dominant										
		core angle is 25° - trace diss Py										
		and rare cpy within Ca-Ep										
		veinlets										
14.75		7mm wide Ca vein			∢45°							
19.60-26.00		- minor hematite along edges of						33468	21.33	23.77	2.44	
		Ca fractures						33469	23.77	25.00	1.23	
23.50-23.50		- slightly bleached and clay						33470	25.00	27.43	2.43	
~~28.50-30.50~~		altered interval with 2% diss Py						33471	27.43	28.65	1.22	
28.50-30.50		- slightly bleached and clay altered						33472	28.65	31.70	3.05	
		interval with minor Ca flooding										
		- 3% diss Py										
16.00-22.00		- minor Fe Ox along fractures										
33.30		- 1cm wide Ca vein			∢40°							
41.60-41.05		Ca vein with 8% white clay			∢20°			33473	50.96	54.55	3.59	
51.50		5mm wide gouge interval		fault ∢20°				33474	54.55	57.00	2.45	
59.00-60.00		Ca vein			∢30°			33475	57.00	60.04	3.04	
67.00-91.74		K altered diorite						33476	60.04	62.90	2.86	
		- grey orange medium grained						33477	62.90	64.00	1.10	
		diorite ≤ strong K alt (less than						33478	64.00	67.05	3.05	
		above unit) - patchy chl alt						33479	67.05	70.10	3.05	
		- mafics consist of pyroxene, Mt						33480	70.10	72.54	2.44	
		(≥3% of rock) and minor chl and bio						33481	72.64	75.28	2.74	

TECK EXPLORATIONS LIMITED

HOLE No. DDH91H10

DEPTH (metres) FROM / TO	GRAPHIC	DESCRIPTION	RECOVERY	STRUCTURE: ANGLES	STRUCTURE: VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPLE DATA: SAMPLE NO	FROM	TO	LENGTH	RESULTS
67.00-91.14		- minor Ep. alt. along fractures of rock - ≤3% diss - Py content varies through the interval - rare diss cpy but more than in top of hole - minor (1/cm) Cu fractures (dominant core angle is 70°				K	diss Py Tr rare Cpy	33482	75.28	76.81	1.53	
								33483	76.81	79.24	2.43	
								33484	79.24	82.29	3.05	
								33485	82.29	84.12	1.83	
								33486	84.12	87.47	3.35	
								33487	87.47	89.00	1.53	
								33488	89.00	91.74	2.74	
								[illegible]				
67.00		- 5mm wide brecciated Py fracture			∠25°							
76.85		- 5mm wide clay (gouge) fracture - minor clay alt / and Cu flooding in wallrock			∠25°							
90.70-90.75		rubbly clay rich core										
91.14		EOH										

APPENDIX II

CORE ASSAYS

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0366-RA1

Company: TECK EXPLORATION LTD.
Project: 1377
Attn: FRED DALEY/JEFF TOOKEY

Date: AUG-13-91
Copy 1. TECK EXPLORATION LTD, KAMLOOPS, B.C.
2. TECK EXPLORATION LTD, FORT ST.JAMES B.C

We hereby certify the following Assay of 23 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	CU %
33501	.01	.001	.052
33502	.01	.001	.022
33503	.01	.001	.032
33504	.01	.001	.063
33505	.01	.001	.024
33506	.01	.001	.022
33507	.01	.001	.006
33508	.01	.001	.005
33509	.01	.001	.008
33510	.01	.001	.002
33511	.02	.001	.011
33512	.01	.001	.003
33513	.01	.001	.005
33514	.01	.001	.022
33515	.01	.001	.005
33516	.02	.001	.006
33517	.01	.001	.006
33518	.01	.001	.005
33519	.01	.001	.005
33520	.01	.001	.006
33521	.01	.001	.002
33522	.01	.001	.029
33523	.01	.001	.005

Certified by _____

MIN-EN LABORATORIES

MIN
• EN
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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0366-RA2

Company: TECK EXPLORATION LTD.
Project: 1377
Attn: FRED DALEY/JEFF TOOKEY

Date: AUG-13-91
Copy 1. TECK EXPLORATION LTD, KAMLOOPS, B.C.
2. TECK EXPLORATION LTD, FORT ST.JAMES B.C

He hereby certify the following Assay of 17 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	CU %
33524	.01	.001	.012
33525	.01	.001	.012
33526	.01	.001	.017
33527	.01	.001	.120
33528	.05	.001	1.160
33529	.01	.001	.019
33530	.01	.001	.042
33531	.01	.001	.010
33532	.01	.001	.011
33533	.01	.001	.007
33534	.01	.001	.021
33535	.01	.001	.021
33536	.02	.001	.018
33537	.01	.001	.011
33538	.01	.001	.014
33539	.01	.001	.021
33540	.01	.001	.010

Certified by

MIN-EN LABORATORIES

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0367-RA1

Company: TECK EXPLORATION LTD.
Project: 1377
Attn: FRED DALEY/JEFF TOOMEY

Date: AUG-16-91

Copy 1. TECK EXPLORATION LTD, KAMLOOPS, B.C.
2. TECK EXPLORATION LTD, FORT ST.JAMES B.C
3. TECK EXPLORATION LTD., C/O MIN-EN LABS.

We hereby certify the following Assay of 23 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	AG g/tonne	AG oz/ton	CU %	PB %	ZN %
33541	.10	.003	10.0	.29	.048	.17	.47
33542	.01	.001	3.1	.09	.039	.01	.02
33543	.01	.001			.023		
33545	.18	.005			.037		
33546	.01	.001			.047		
33547	.03	.001			.046		
33548	.01	.001			.031		
33549	.01	.001			.027		
33550	.01	.001			.031		
33301	.01	.001			.060		
33302	.01	.001			.067		
33303	.06	.002			.056		
33304	.04	.001			.046		
33305	.01	.001			.033		
33306	.02	.001			.026		
33307	.01	.001			.023		
33308	.01	.001			.040		
33309	.01	.001			.076		
33310	.01	.001			.041		
33311	.08	.002			.085		
33312	.01	.001			.067		
33313	.01	.001			.107		
33314	.06	.002			.071		

Certified by _____

MIN-EN LABORATORIES

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SMITHERS LAB.:
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Assay Certificate

1S-0367-RA2

Company: TECK EXPLORATION LTD.
Project: 1377
Attn: FRED DALEY/JEFF TOOMEY

Date: AUG-16-91
Copy 1. TECK EXPLORATION LTD, KAMLOOPS, B.C.
2. TECK EXPLORATION LTD, FORT ST.JAMES B.C
3. TECK EXPLORATION LTD., C/O MIN-EN LABS.

We hereby certify the following Assay of 19 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	Cu %
33315	.06	.002	.111
33316	.04	.001	.090
33317	.03	.001	.085
33318	.01	.001	.071
33319	.01	.001	.069
33320	.03	.001	.066
33321	.02	.001	.104
33322	.01	.001	.099
33323	.01	.001	.073
33324	.01	.001	.082
33325	.01	.001	.047
33326	.01	.001	.137
33327	.10	.003	.042
33328	.28	.008	.061
33329	.14	.004	.045
33330	.01	.001	.006
33331	.01	.001	.005
33332	.01	.001	.005
33333	.01	.001	.005

Certified by _____

MIN-EN LABORATORIES

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
960-175 SECOND AVE.
KAMLOOPS, B.C.

Project: 1377
Type of Analysis: ASSAY

Certificate: 91218
Invoice: 20359
Date Entered: 91-08-16
File Name: TEK91218
Page No.: 1

PRE FIX	SAMPLE NAME	% RERUN Cu	% Cu	PPB Au AA
A	33334 A	0.03		5
A	33335 A	0.03		5
A	33336 A	0.05		5
A	33337 A	0.02		5
A	33338 A	0.02		5
A	33339 A	0.02		5
A	33340 A	0.02		5
A	33341 A	0.01		5
A	33342 A	0.01		5
A	33343 A	0.03		5
A	33344 A	0.03		5
A	33345 A	0.03		5
A	33346 A	0.03		5
A	33347 A	0.05		5
A	33348 A	0.07		5
A	33349 A	0.05		5
	33350 A	0.04		5
A	33351 A	0.02		5
A	33352 A	0.05		20
A	33353 A	0.04		10
A	33354 A	0.03		5
A	33355 A	0.03		5
A	33356 A	0.03		5
A	33357 A	0.03		5
A	33358 A	0.06		5
A	33359 A	0.07		5
A	33360 A	0.04		5
A	33361 A	0.03		5
A	33362 A	0.05		5
A	33363 A	0.05		5
A	33364 A	0.04		5
A	33365 A	0.04		5
A	33366 A	0.06		5
A	33367 A	0.03		5
A	33368 A	0.05		5
A	33369 A	0.08		5
A	33370 A	0.07		5
A	33371 A	0.05		5
A	33372 A	0.08		5
A	33373 A	0.28		140

CERTIFIED BY: Rossbach

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
960-175 SECOND AVE.
KAMLOOPS, B.C.

Project: 1377
Type of Analysis: ASSAY

Certificate: 91218
Invoice: 20359
Date Entered: 91-08-16
File Name: TEK91218

PRE FIX	SAMPLE NAME	% Cu	RERUN % Cu	PPB Au AA
A	33374 A	0.21		100
A	33375 A	0.05		20
A	33376 A	0.01		10
A	33377 A	0.05		20
A	33378 A	0.08		30
A	33379 A	0.03		10
A	33380 A	0.15		50
A	33381 A	0.01		5
A	33382 A	0.02		10
A	33383 A	0.01		10
A	33384 A	0.01		5
A	33385 A	0.01		20
A	33386 A	0.02		5
A	33387 A	0.09		5
A	33388 A	0.11		5
A	33389 A	0.93	0.90	20
	33390 A	0.06		30
A	33391 A	0.04		10
A	33392 A	0.07		60
A	33393 A	0.06		20
A	33394 A	0.06		5
A	33395 A	0.04		5
A	33396 A	0.01		5
A	33397 A	0.01		5
A	33398 A	0.01		5
A	33399 A	0.01		5
A	33400 A	0.01		5
A	33401 A	0.01		5

CERTIFIED BY:

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
960-175 SECOND AVE.
KAMLOOPS, B.C.

Project: 1377
Type of Analysis: ASSAY

Certificate: 91222
Invoice: 20359
Date Entered: 91-08-21
File Name: TEK91222
Page No.: 1

PRE FIX	SAMPLE NAME	% Cu	PPB Au AA
A	33402	0.05	5
A	33403	0.03	5
A	33404	0.01	5
A	33405	0.03	10
A	33406	0.07	20
A	33407	0.07	20
A	33408	0.07	10
A	33409	0.07	5
A	33410	0.01	5
A	33411	0.09	20
A	33412	0.07	10
A	33413	0.08	10
A	33414	0.04	5
A	33415	0.07	10
A	33416	0.07	10
A	33417	0.07	5
	33418	0.08	5
A	33419	0.08	10
A	33420	0.07	40
A	33421	0.05	10
A	33422	0.04	10
A	33423	0.07	20
A	33424	0.08	10
A	33425	0.12	20
A	33426	0.06	20
A	33427	0.07	10
A	33428	0.06	20
A	33429	0.06	40
A	33430	0.06	40
A	33431	0.09	30
A	33432	0.08	40
A	33433	0.07	60
A	33434	0.02	5
A	33435	0.02	10
A	33436	0.02	5
A	33437	0.02	5
A	33438	0.01	5
A	33439	0.02	5
A	33440	0.01	5
A	33441	0.02	5

CERTIFIED BY : J. Rossbacher

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
960-175 SECOND AVE.
KAMLOOPS, B.C.

Project: 1377
Type of Analysis: ASSAY

Certificate: 91222
Invoice: 20359
Date Entered: 91-08-21
File Name: TEK91222
Page No.: 2

PREFIX	SAMPLE NAME	% Cu	PPB Au AA
A	33442	0.01	5
A	33443	0.02	5
A	33444	0.02	5
A	33445	0.02	5
A	33446	0.06	10
A	33447	0.02	5
A	33448	0.02	5
A	33449	0.02	5
A	33450	0.02	5
A	33451	0.02	5
A	33452	0.05	5
A	33453	0.03	5
A	33454	0.03	5
A	33455	0.04	5
A	33456	0.04	5
A	33457	0.03	5
	33458	0.02	5
A	33459	0.01	5
A	33460	0.01	5
A	33461	0.02	5
A	33462	0.03	5
A	33463	0.03	5
A	33464	0.01	10
A	33465	0.02	5
A	33466	0.02	10
A	33467	0.01	5
A	33468	0.02	5
A	33469	0.02	5
A	33470	0.02	5
A	33471	0.02	5
A	33472	0.02	5
A	33473	0.02	5
A	33474	0.02	5
A	33475	0.02	5
A	33476	0.02	5
A	33477	0.02	5
A	33478	0.02	5
A	33479	0.02	5
A	33480	0.02	5
A	33481	0.02	5

CERTIFIED BY :

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
960-175 SECOND AVE.
KAMLOOPS, B.C.

Project: 1377
Type of Analysis: ASSAY

Certificate: 91222
Invoice: 20359
Date Entered: 91-08-21
File Name: TEK91222
Page No.: 3

PRE FIX	SAMPLE NAME	% Cu	PPB Au AA
A	33482	0.01	5
A	33483	0.01	5
A	33484	0.02	5
A	33485	0.01	5
A	33486	0.02	10
A	33487	0.02	5
A	33488	0.01	5

CERTIFIED BY:

ROTTACKER CREEK

NATION RIVER

BRULE CREEK

Leo-Purvis forestry road

TCHENTI.O LAKE

HEATH PROPERTY BOUNDARY

LISA LAKE

91-H-1

91-H-2

91-H-3

91-H-4

91-H-5

91-H-6

91-H-7

91-H-8

91-H-9

91-H-10

TECK EXPLORATION LTD.

HEATH PROPERTY

OMINECA MINING DIVISION BRITISH COLUMBIA

NTS 93N/6E

FIGURE 3

LOCATION OF 1991 DIAMOND DRILL HOLES

0 500m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,948

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,948

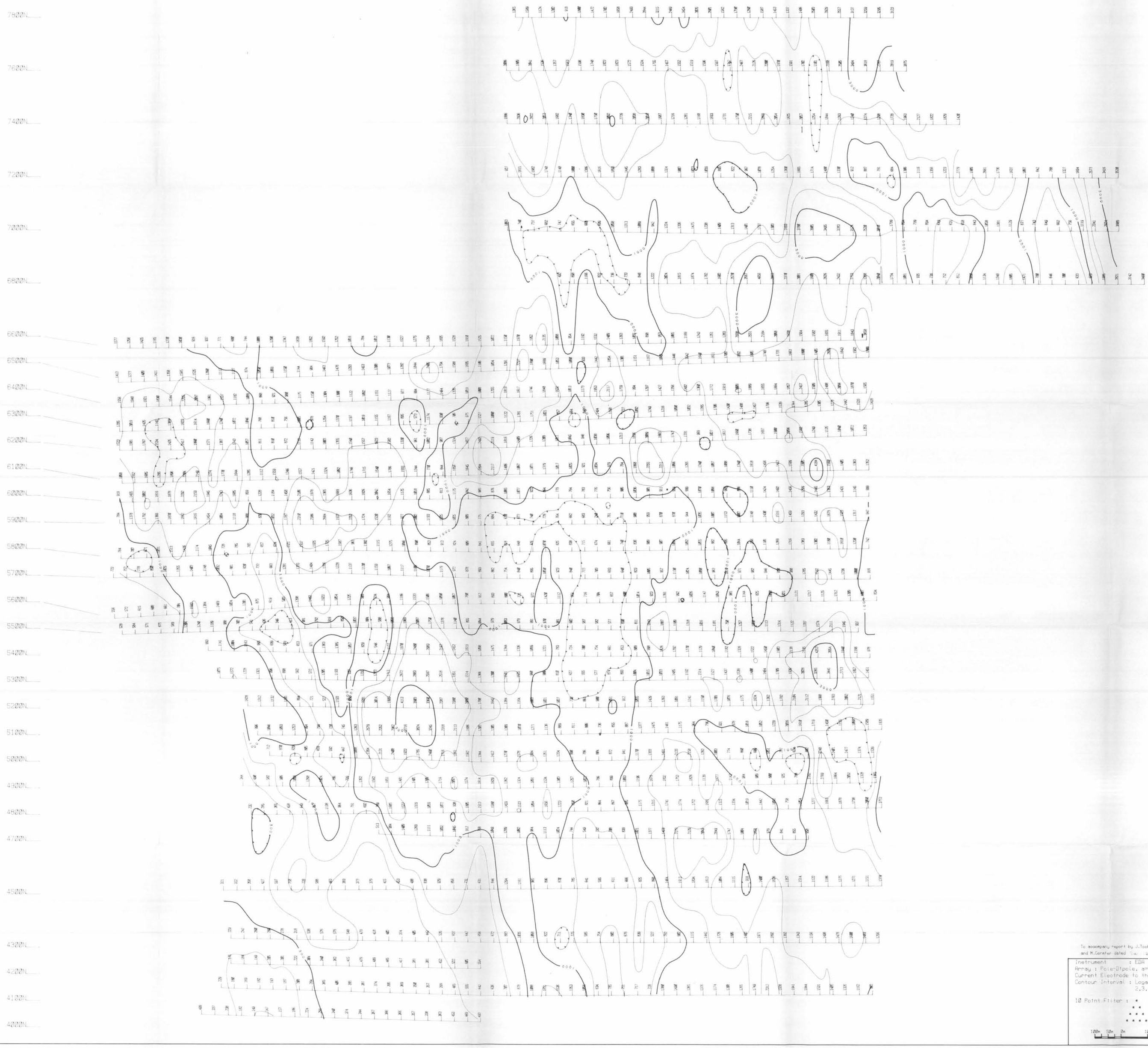
TECK EXPLORATION LTD.

INDUCED POLARIZATION SURVEY

HEATH PROJECT, Lisa Lake Grid, Omineca M.D.,B.C.
BASELINE AZIMUTH : 348 Deg.

SCALE = 1:5000 DATE : 1990, 1991
SURVEY BY : GDL/HZ NTS : 93N/6E
PLAN: MHTHIP

Pacific Geophysical



To accompany report by J.Tooley, P.Cartwright, and M.Cormier dated [illegible]

Instrument : EDA IP-6
Array : Pole-Dipole, a=50m, n=1-4
Current Electrode to the East
Contour Interval : Logarithmic (1,1.5, 2,3,5,7.5,10,...etc.

10 Point Filter :

TECK EXPLORATION LTD.

RESISTIVITY SURVEY

HEATH PROJECT, Lisa Lake Grid, Omineca M.D.,B.C.
BASELINE AZIMUTH : 348 Deg.

SCALE = 1:5000 DATE : 1990, 1991
SURVEY BY : GDL/HZ NTS : 93N/6E
PLAN: MHTHRES
Pacific Geophysical