MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.:	092663
	PROSPECTUS		MINING DISTRICT:	WATSON LAKE
105 B 1	CONFIDENTIAL	X	TYPE OF WORK:	GEOCHEMICAL, TRENCHING,
	OPEN FILE			GEOPHYSICAL, ROAD CONSTRUCTION

REPORT FILED UNDER: Fairfield Minerals Ltd. and Chevron Minerals Ltd.

DATE PERFORMED: June 18 - September 29, 1988 DATE FILED: February 13, 1989

LOCATION: LAT.: 60°03'N AREA: Rancheria

LONG.: 130°05'W VALUE $: 45,000.00

CLAIM NAME & NO.: TIM 47-60, 69-82, 91-100, 111-120, 131-140, 161-200 YA70459-472, 481-494, 503-512, 543-552, YA91101-140

WORK DONE BY: P. Donkersloot

WORK DONE FOR: Cordilleran Engineering Ltd.

DATE TO GOOD STANDING		REMARKS: #110 TIM In 1988, road construction, linecutting, soil sampling, I.P, surveys and trenching were performed. Two large coincident NW-trending Ag-Pb-Zn geochem anomalies 1500 m x 300 m had up to 20.8 ppm Ag, 1700 ppm Zn and 6600 ppm Pb. Trenching exposed a 30 m x 1000 m oxidized zone in the northwestern claims where a 4 m chip sample average 352 g/t Ag and 9.12% Pb.

1988 022663

GEOCHEMICAL, GEOPHYSICAL & TRENCHING REPORT

On the TIM CLAIM GROUP

Watson Lake Mining District, Y.T.

NTS: 105/B-1; Lat 60 03'N; Long 130 05'W

FEBRUARY, 1989. (YT'88 ASSESSMENT)



REPORT DISTRIBUTION

- Mining Recorder:	2	
- Fairfield Minerals Ltd.	1	
- Chevron Minerals Ltd.	1	
- Field	1	
- Cordilleran Engineering Ltd.	1	(Original)
Total:	6	

022663

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 15,000.00.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

D D Emond

1 9 8 8

GEOCHEMICAL, GEOPHYSICAL & TRENCHING REPORT

ON THE TIM CLAIM GROUP

Watson Lake Mining District, Y.T.
Latitude 60 degrees 03'N; Longitude 130 degrees 05'W.
NTS: 105/B-1

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

and

CHEVRON MINERALS LTD.
Vancouver, British Columbia

By

Paul Donkersloot, B.Sc.
Geologist

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: February, 1989
Field Period: June 18 to September 29, 1988

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APPENDICES

Appendix "A" Analytical Results

Appendix "B" Report on the Induced Polarization & Resistivity Survey on the Tim Property By: Pacific Geophysical Limited

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PLATES

(in pockets)

		Scale
Plate 1	Compilation Map	1:5,000
Plate 2	Trench Map, North Zone-West half (trenches 1-5,15,18)	1:1,000
Plate 3	" " " " -East half (trenches 7,10-12,16)	1:1,000
Plate 4	" " South Zone (trenches 6,8,9,13,14)	1:1,000
Plate 5	Silver Soil Geochemistry	1:5,000
Plate 6	Lead Soil Geochemistry	1:5,000
Plate 7	Zinc Soil Geochemistry	1:5,000

1.0 SUMMARY AND CONCLUSIONS

The Tim property consists of 98 contiguous mineral claims in the Watson Lake Mining District, (NTS: 105/B-1) located 72 kilometres west of Watson Lake, Yukon Territory. Staking of the property was initiated in September 1983 and completed in July 1986. Acquisition and subsequent exploration work have been conducted by Cordilleran Engineering Ltd. on behalf of Regional Resources Ltd. and, following claim ownership transfer in May 1986, for Fairfield Minerals Ltd. The Tim property is under option to Chevron Minerals Ltd. of Vancouver, B.C.

The claims, assessible by road, primarily cover forested terrain with poor exposure of rock units.

Work conducted from 1983 to 1986 consisted of reconnaissance stream sediment sampling, soil geochemistry, prospecting and geological mapping.

A program comprising road construction, linecutting, soil sampling, I.P. geophysical surveys and excavator trenching was undertaken during the 1988 field season. Eighteen trenches totalling 2712 linear metres were excavated in the North and South Zones.

The claims are underlain by a succession of northwest trending, fold repeated sedimentary rocks. Three principal map units have been outlined. They include Lower Cambrian and earlier quartzite, siltstone and mudstone; Lower Cambrian limestone; and Cambrian phyllite and siltstone.

Geochemical soil sampling conducted in 1988 covered in greater detail those anomalous areas indicated by sampling completed in 1984 and 1986. Two large west-northwest trending coincident silver-lead-zinc anomalies approximately 1500 metres long and 300 metres wide were outlined. Geochemical values of up to 20.8 ppm Ag, 1700 ppm Zn and 6660 ppm Pb are contained within these anomalies. Most of the trenches were located along these two zones to test for bedrock mineralization.

An induced polarization and resistivity survey outlined two areas of interest that correlate with soil geochemical anomalies and oxide mineralization. A third I.P. anomaly may indicate the presence of a carbonaceous phyllite unit.

Trenching exposed silver, lead and zinc-bearing iron and manganese oxides in 7 of the 18 trenches completed. An oxide zone up to 30 metres wide was traced over a strike length of 1000 metres in the northwestern portion of the property. Values returned from this zone include a 4.0 metre chip sample from trench 3 averaging 10.28 oz/ton Ag, 9.12% Pb and grab samples taken from the muck

SUMMARY AND CONCLUSIONS Continued)

pile from trench 1 that returned values of 36.41 oz/ton Ag, 49.50% Pb and 28.55 oz/ton Ag, 32.00% Pb. The mineralized zone occurs at or near a limestone-phyllite interface. Two separate, 2 and 5 metre wide, carbonate hosted intercepts of oxide mineralization were found north and south of the main oxide zone.

The potential for locating a replacement-type, carbonate-hosted Ag-Pb-Zn deposit on the Tim property, similar to that of the nearby Midway property, is very good. Mineralization of this style is commonly oxidized near surface but massive sulphide mineralization may predominate at depth. Geochemical and geophysical anomalies indicate that the mineralized zones outlined by trenching may continue along strike. A diamond drill program to test for sulphide mineralization beneath the surface oxide zones is recommended.

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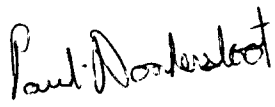
2.0 RECOMMENDATIONS

A twenty hole, 2000 metre NQ wireline diamond drill program is proposed for the Tim property. Sixteen holes, on 13 sections at 100 metre intervals, totalling 1600 metres are suggested to test the main oxide zone in the northwestern portion of the property. Four holes, totalling 400 metres are proposed to test two other oxide zones in the north and south parts of the property. Drilling beneath the oxide zones is required to test for the presence and continuity of sulphide mineralization. Similar lead-zinc-silver mineralization is located at Regional Resources Ltd's Midway deposit, 12 km to the southwest.

Additional mapping and prospecting of the area is also recommended.

Respectfully submitted

CORDILLERAN ENGINEERING LTD.



P. Donkersloot, B.Sc.
Geologist

PD/z

February, 1989

****

3.0 INTRODUCTION

This report describes a program of road construction, geochemical and geophysical surveys and excavator trenching carried out on the Tim claim group during the period June 18, 1988 to September 29, 1988.

3.1 LOCATION AND ACCESS (Figure 1)

The Tim property, located 72 km west of Watson Lake, Yukon at latitude 60 degrees 03'N and longitude 130 degrees 05' W (Figure 1), is situated 15 km southeast of kilometre 1128 of the Alaska Highway. Four-wheel drive access (6 km) originates at kilometre 18.8 on the Midway road.

3.2 PHYSIOGRAPHY AND CLIMATE

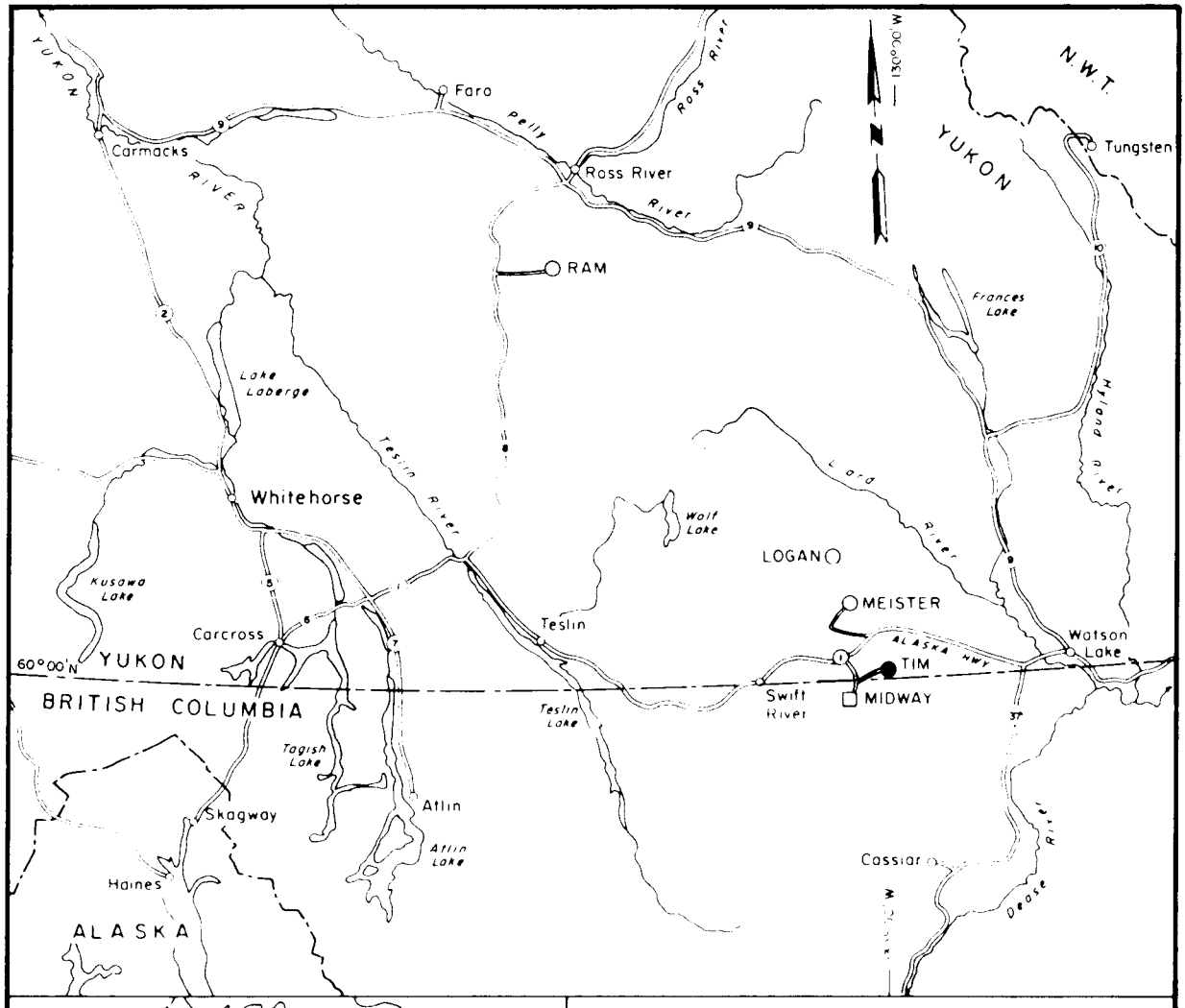
The property covers forested terrain with minor subalpine and valley marsh conditions. Vegetation consists of spruce, balsam, fir, pine, poplar, dwarf alder and willow. Relief is gentle to moderate with elevations ranging from 1000 to 1410 metres above sea level.

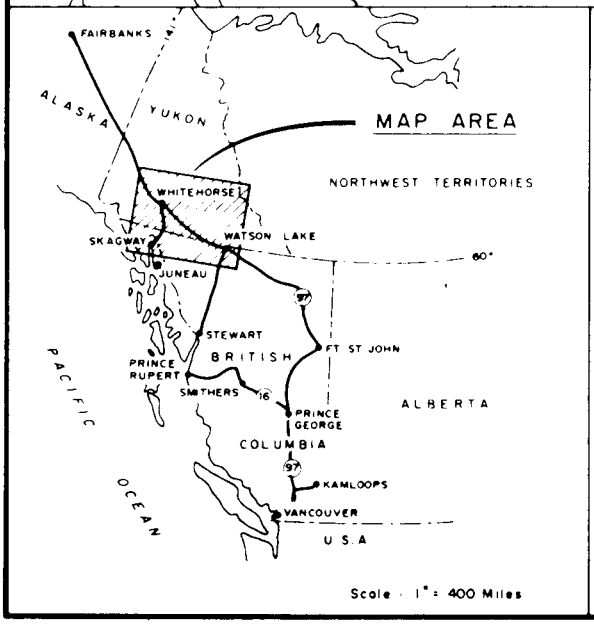
Climate in the area is characterized by short, warm summers and long, cold winters. Precipitation is light to moderate year round. The area is basically snow free from early June until mid September.

3.3 EXPLORATION HISTORY

The Tim 1-160 claims were staked in September 1983 to cover lead-zinc-silver stream sediment geochemical anomalies and a favourable geological environment with potential to contain carbonate-hosted massive sulphide deposits similar to that on the nearby Midway property.

Work conducted on the claims in 1983 included stream sediment silt sampling, reconnaissance soil sampling and prospecting. In 1984, linecutting, soil sampling and geological mapping were undertaken.





FAIRFIELD MINERALS LTD.

CHEVRON MINERALS LTD.

TIM PROPERTY LOCATION MAP

20 0 10 20 30 40 Miles

30 0 30 60 Kilometres

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

NOVEMBER 1988

FIGURE 1

INTRODUCTION Continued)

In 1986, 40 mineral claims were added to cover oxide mineral showings containing high silver values. In addition, 102 claims in the south and east property areas were allowed to lapse. Soil sampling, prospecting and geological mapping were conducted during the 1986 field season.

The Tim claims are bounded on the southwest by the Hot claims of Canamax Resources Inc. Canamax has completed linecutting, trenching and some diamond drilling on this tungsten-skarn prospect.

3.4 1988 EXPLORATION PROGRAM

A program comprising road construction, linecutting, soil sampling, I.P. geophysical surveys and excavator trenching was completed over the Tim claim group during the period June 18, 1988 to September 29, 1988. Work was performed by Cordilleran Engineering Ltd. on behalf of Fairfield Minerals Ltd. (owner/operator) and Chevron Minerals Ltd. (optionee).

A four-wheel-drive access road was constructed, extending 6.37 km to the Tim base camp from Km 18.8 on the Midway road. An additional 6.97 km was built from the base camp to the trench sites.

Grid preparation included 12.8 km of cut line and 9.2 km of flag and compass line. A total of 477 soil samples was collected.

Fourteen days of geophysical I.P. surveys were completed and included 14.4 km of 100 metre dipole, 2.0 km of 50 metre dipole and 2.6 km of 25 metre dipole surveys.

Eighteen trenches (2712 linear metres, 15,873.0 cubic metres) were completed utilizing a Caterpillar 215LC excavator. Site preparation was aided by a D65A Komatsu bulldozer. A total of 508 rock geochemical samples, 60 rock assay samples and 416 soil samples were collected from the trenches. Detailed mapping was completed at 1:200 scale.

INTRODUCTION Continued)

3.5 CLAIM DATA (Figure 2)

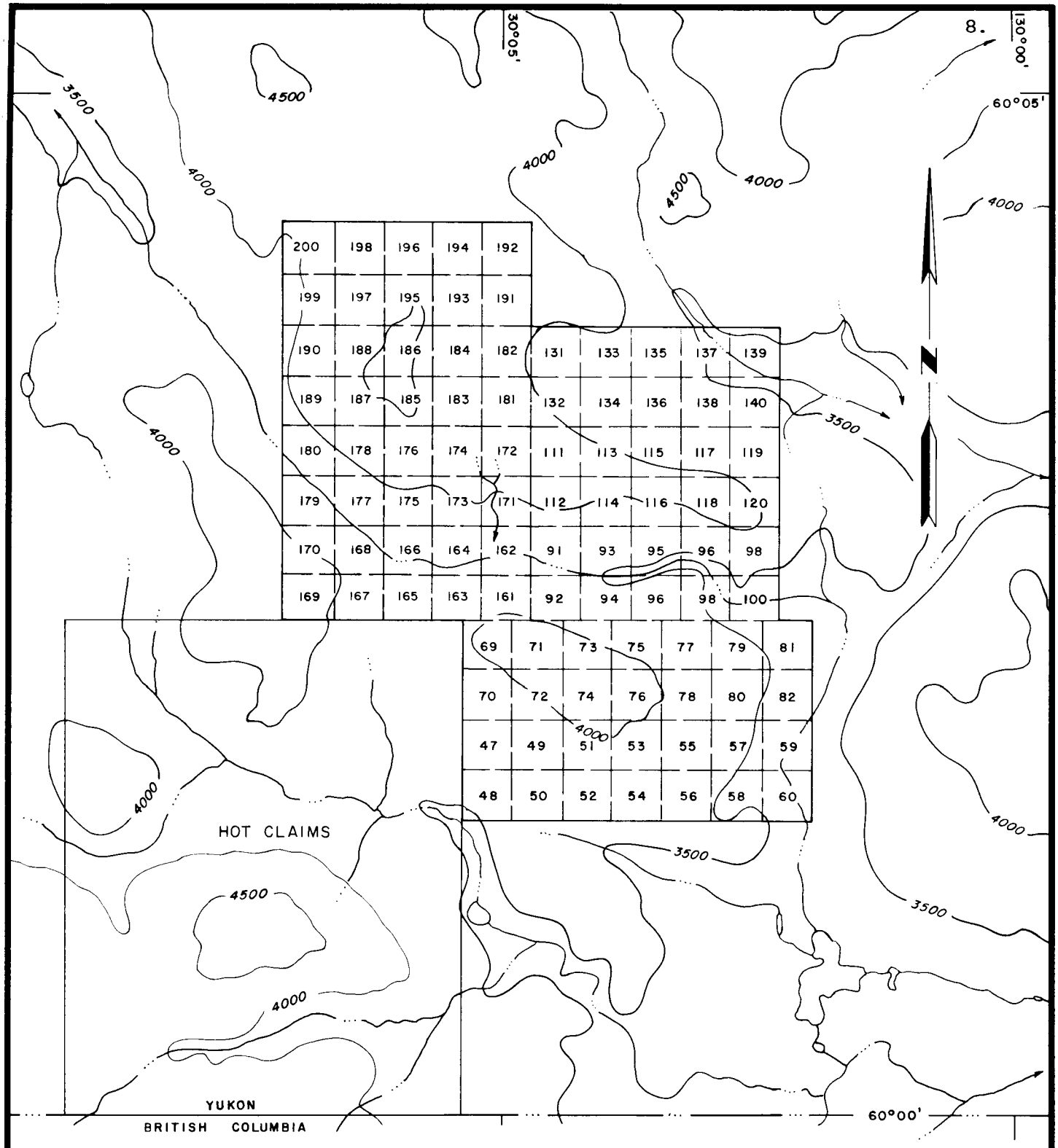
The Tim property consists of 98 Quartz Mineral Claims located in the Watson Lake Mining District, Yukon Territory, owned by Fairfield Minerals Ltd. (Figure 2). The claims are under option to Chevron Minerals Ltd.

Table 1: **CLAIM DATA**

Claim(s) Name	Record Number(s)	Expiry date(s)
TIM 47- 60	YA 70459 - 70472	31 DEC. 1993*
TIM 69- 82	YA 70481 - 70494	31 DEC. 1993*
TIM 91-100	YA 70503 - 70512	31 DEC. 1993*
TIM 111-120	YA 70523 - 70532	31 DEC. 1993*
TIM 131-140	YA 70543 - 70552	31 DEC. 1993*
TIM 161-200	YA 91101 - 91140	31 DEC. 1993*

*Pending receipt of Certificates of Work (1988 Assessment).

****



FAIRFIELD MINERALS LTD.

CHEVRON MINERALS LTD.

TIM PROPERTY

CLAIM MAP

WOLF LAKE MAP AREA, N.T.S. 105 B/1

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

SCALE: 1 : 50,000

CORDILLERAN ENGINEERING LTD.

1980-1055 W. HASTINGS STREET

VANCOUVER, B.C. V6E 2E9

NOVEMBER 1988

FIGURE 2

4.0 REGIONAL GEOLOGY

(Figure 3)

The regional geology is compiled from mapping in the Wolf Lake Sheet (NTS 105/B) by Poole (1951-1955) and Roddick and Green (1959) of the Geological Survey of Canada, and recent mapping by Lowey and Lowey (1985) in NTS map sheet 105/B-2 (Figure 3).

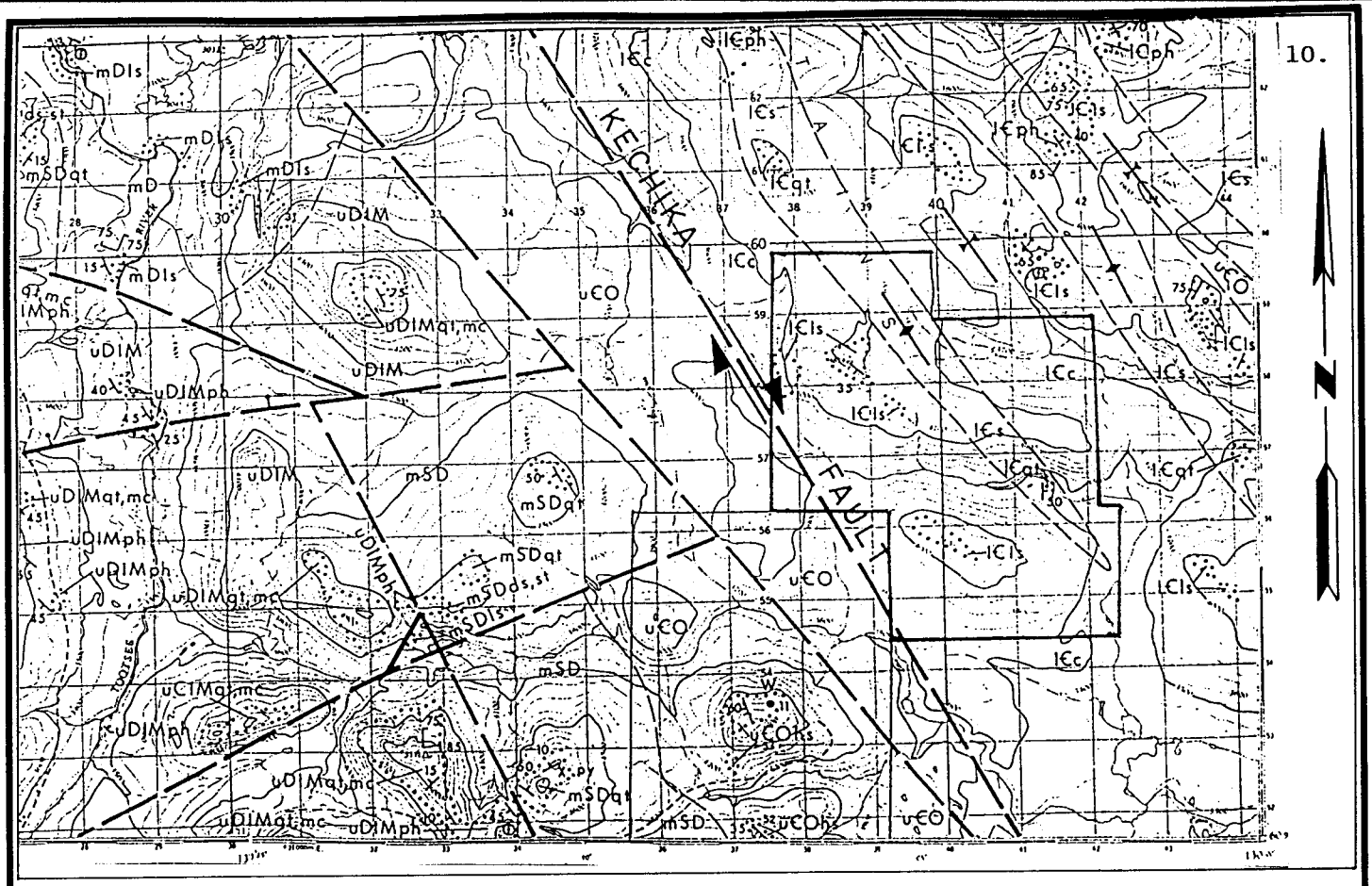
The property is underlain by a succession of northwest trending, fold-repeated Cambrian sedimentary rocks. They are part of a package of Paleozoic sedimentary rocks of the Cassiar Platform deposited in a shallow marginal marine basin on the western edge of North America (Lowey and Lowey, 1986). The sedimentary sequence on the property includes quartzite, phyllite, siltstone and limestone of the Cambrian Atan Group.

The stratigraphy trends northwest and dips gently to the southwest. The northwest trending Kechika fault separates Cambrian sediments on the property from Cambro-Ordovician sediments of the Kechika group to the west.

Granite rocks of the Cretaceous Cassiar Batholith outcrop 15 kilometres to the west.

Lead-zinc-silver mineralization is common in the Rancheria district and is often characterized by an association with northwest and northeast trending fault structures that are associated with large Late Cretaceous and Early Tertiary lateral faults such as the Kechika fault (Lowey and Lowey, 1986).

****



DEVONIAN and MISSISSIPPIAN

uDlM	uDlMqt,mc	interbedded quartzite and metaconglomerate
	uDlMph	phyllite

DEVONIAN

mD	mDls	limestone

SILURIAN and DEVONIAN

mSD	mSDls	limestone
	mSDqt	quartzite
	mSDds,st	dolostone and siltstone

CAMBRIAN and ORDOVICIAN

uCO	uCOph	phyllite
	uCOhs	hornfels

CAMBRIAN

lCc	lCma	marble
	lCds	dolostone
	lCls	limestone
	lCls-ph	interbedded limestone and phyllite

unsubdivided siliciclastics

lCs	lCph	phyllite
	lCqt	quartzite

F_1 structures
bedding (S_0), inclined
slaty cleavage (S_1), inclined

F_2 structures
crenulation cleavage (S_2) inclined, vertical
multiple folds, arrows indicate fold axis (f_2)

F_3 structures
jointing (S_3), inclined
small-scale folds, arrow indicates plunge of fold axis (f_3)

anticline
syncline
jointing (in plutonic rocks), inclined

After G.W. Lowey, J.F. Lowey, O.F. Map 1986-1

SYMBOLS

- area of bedrock outcrop
- float
- geological boundary, observed
- geological boundary, interpreted
- fault, observed
- fault, assumed (dot indicates down thrown side, arrows indicate horizontal movement)
- thrust fault, assumed
- lineament, from air photographs

FAIRFIELD MINERALS LTD.

CHEVRON MINERALS LTD.

TIM PROPERTY

REGIONAL GEOLOGY

Scale 1 : 100,000

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

FIGURE 3

5.0 PROPERTY GEOLOGY

(Plate 1)

Outcrop exposure is restricted to a few resistant weathering knobs and bluffs. The distribution of lithologies on the compilation map (Plate 1) is based on trench, float and outcrop mapping and interpretation of geophysical results.

The three main lithologic units on the property include: Lower Cambrian and earlier quartzite, siltstone, mudstone and shale; Lower Cambrian limestone; and Cambrian phyllite and siltstone. These rocks are occasionally cut by fault breccias, veins and limonite bodies.

Brief descriptions of the lithologic units follow.

5.1 LITHOLOGIES

Lower Cambrian and earlier:
This unit was mapped in the central and eastern claims but is not found in the areas of the 1988 trenching program. The unit contains quartzite, siltstone, mudstone and shale. The quartzite is massive and weathers light grey to tan, while the clastic sediments are finely laminated and weather light brown.

Lower Cambrian:
A light grey limestone and a black limestone compose this unit. These lithologies are resistant to weathering and hence are the most common exposures on the property.

The light grey limestone is medium bedded to massive and frequently cut by quartz and calcite stringers. It occasionally weathers grey-brown due to iron and manganese alteration, and is rarely dolomitized. Trace amounts of calc-silicate minerals were found at some locations in the limestone.

The light grey limestone in trench 6, located in the south area of trenching, hosts a 28 metre wide, light grey, matrix-supported breccia with a calcareous siltstone matrix and subangular, 5mm-20cm diameter, limestone clasts. This is possibly a karst related solution collapse breccia.

Black, medium-bedded, hematite stained limestone is found in the eastern portions of the two trench areas. The black limestone is frequently cut by quartz and calcite stringers and rarely dolomitized.

PROPERTY GEOLOGY Continued)

Cambrian:
This unit, found in the western claims, includes brown-grey to green-grey muscovite phyllite, dark grey carbonaceous phyllite and light grey thin-bedded siltstone. These rocks contain minor quartz and calcite veins that occasionally include trace amounts of sulphides. The siltstone contains minor amounts of carbonaceous material along partings and occasional interbeds of chert.

5.2 STRUCTURAL GEOLOGY

Bedding on the property strikes in a northwest to west-northwest direction and dips 15 to 60 degrees to the southwest. The majority of the faults seen in the trenches strike in a northwesterly direction and are steeply dipping. Minor small scale folds with northwest trending axes are found in the phyllite units. Property mapping in 1986 indicated fold repetition of the Lower Cambrian limestone unit along a northwest trending recumbent anticline. Two or more phases of foliation are found within the phyllite; and at least two sets of joints are apparent in most of the lithologies on the property.

5.3 MINERALIZATION

The Tim property hosts a series of newly discovered, silver-lead-zinc-gold-bearing oxide mineral occurrences of undetermined size and tenor. Preliminary work, including trenching, soil geochemistry and Induced Polarization surveys suggest that significant massive sulphide deposits may lie beneath the North Zone showing area.

Mineralization on the property consists of massive orange, brown and black, iron and manganese oxides, including goethite, pyrolusite and hematite. Some sulphide minerals including galena, pyrite and rare chalcocite have resisted oxidation and occur as isolated cobbles or as discreet grains within the oxides and wall rock material. North Zone oxide bodies as exposed by trenching, range in size from four to 30 metres and occur mainly in the limestone unit at or near an inferred, major fault contact with overlying phyllite rocks. It is postulated that this fault may have acted as a conduit for mineralizing fluids which deposited as replacement sulphide bodies in the limestone. Subsequent weathering and groundwater movement may have altered massive pyrite-galena-sphalerite(?) to the silver-lead-zinc-iron bearing oxides now present on surface.

***

6.0 ROAD CONSTRUCTION

Road construction included 6.4 km of four-wheel-drive access road, extending from Km 18.8 on the Midway road to the Tim property base camp and 7.0 km to provide access from the camp to the trench sites. A D65A Komatsu bulldozer was leased with operator from Joe Corcoran Construction of Watson Lake and a Caterpillar 215LC excavator was leased with operator from W. Dobbin Construction Ltd. of Kelowna. Erosion control measures and grooming were completed on the roads in order to meet standard environmental requirements.

****

7.0 SOIL GEOCHEMISTRY

7.1 SAMPLING PROCEDURE

A total of 477 grid soil samples was collected on the Tim property. Samples were taken from "B" horizon soil every 50 metres on lines 200 metres apart and placed in grid-numbered kraft bags. The corresponding sample location was marked in the field by grid numbered plastic flagging tape, or lath picket on cut lines. Notes were made concerning sample depth, colour and texture.

After partial drying the samples were shipped to Bondar-Clegg and Company Ltd., North Vancouver, for sample preparation and analytical treatment. One half gram of minus 80 mesh fraction of each sample was digested in hot HNO_3-HCL solution and silver-lead-zinc analyses were performed using standard atomic absorption techniques.

7.2 RESULTS (Plates 5 to 7)

Silver, lead and zinc geochemical results are plotted on Plates 5 to 7. Anomalous values which have been contoured are based on statistical categories compiled from 1984 and 1986 soil data, which covered the entire property. These categories are presented on the plates.

The 1988 soil grid covers, in more detail, those anomalous areas indicated by geochemical surveys completed in 1984 and 1986. Results of the 1988 survey are encouraging, with three coincident lead-zinc-silver soil anomalies outlined.

The first anomaly is situated between lines 3400W and 2000W and stations 7000N and 6500N. The anomaly has a west-northwest trending axis and is approximately 1500 metres long and 300 metres wide. Values up to 1682 ppm Pb, 1790 ppm Zn and 15.4 ppm Ag were obtained. The southeastern corner of the anomaly is underlain by Cambrian phyllite and siltstone while the rest of the anomaly is underlain by Lower Cambrian limestone.

SOIL GEOCHEMISTRY (Continued)

The second anomaly is located between lines 3000W and 1600W and stations 5900N and 5300N. It also has a west-northwest trending axis and is approximately 1500 metres long by 200 metres wide. Maximum values returned include 6660 ppm Pb, 1430 ppm Zn and 20.8 ppm Ag. This area is underlain by Lower Cambrian limestone with minor exposures of Cambrian phyllite in the southern portion.

The third anomaly is smaller, 200 metres long by 100 metres wide, but contains high values. It has an east-west trending axis and is located between lines 2800W and 2600W and stations 7200N and 7300N. Values up to 2.7 ppm Ag, 1725 ppm Pb and 10360 ppm Zn were obtained from soils in this area, which is underlain by Cambrian limestone.

Several small isolated anomalies were also defined.

****

8.0 G E O P H Y S I C S

An induced polarization (I.P.) and resistivity survey was carried out between August 5 and August 19, 1988. A report prepared by Pacific Geophysical Ltd. is appended (Appendix "B").

A reconnaissance survey using 100 metre dipole separation covered the portions of the property which were trenched during 1988. Surveys with dipole spreads of 50 and 25 metres were conducted over selected anomalous intervals indicated by the initial survey. A total of 14.4 km of 100 metre dipole, 2.0 km of 50 metre dipole and 2.6 km of 25 metre dipole surveys were completed.

I.P. anomaly A indicated on Dwg.No. I.P.P.-3017 (Appendix "B") appears to correlate with the northwest trending main oxide zone exposed by trenching. Line 3400W returned 50 metre dipole data that suggests the possibility of a sulphide-bearing source approximately 75 metres beneath the surface. An area with slightly lower than background resistivities, indicated by 25 metre dipole data on line 3400W, could be caused by oxide mineralization found on surface.

Anomaly B has the highest magnitude on the property and may be caused by carbonaceous material within the Cambrian phyllite unit.

Anomaly C is a weak northwest trending anomaly on the northern portion of the South Zone. The exact location of the source of the anomaly is uncertain due to large dipole spacings (100 metres).

****

9.0 TRENCHING

9.1 TRENCH OPERATIONS (Plates 1-4)

Eighteen trenches totalling 2712 metres were excavated in two target areas, the North and South Zones, utilizing a Caterpillar 215 excavator. Trench site preparation was aided by a D65A Komatsu bulldozer. Bedrock was attained easily in some locations while permafrost and excessive overburden depth presented problems in others. Bedrock was not reached in trenches 7 and 17 and in only portions of trenches 4, 5, 8, 11 and 12. The depth of the trenches varied from less than 0.5 metres to in excess of 7.0 metres. The average depth for all trenches was 2.23 metres.

Each trench was mapped in detail at 1:200 scale, and compiled at 1:1,000 scale (Plates 2, 3 and 4). Continuous chip samples, usually one metre in length were taken across mineralized or altered zones and sent for analysis. Soil samples were collected every 10 metres at the bedrock-overburden interface. At selected locations soil profiles were taken at 50cm or 100cm intervals on trench walls. Anomalous results from trench soil samples, taken at the bedrock overburden interface or at the maximum depth of overburden penetration, are plotted on plates 2, 3 and 4. All soil and rock samples were shipped to Bondar-Clegg and Company Ltd.'s North Vancouver laboratory for standard preparation and analysis. Copies of all analytical results are appended to this report (Appendix "A'). All trenches were photographed. Non-mineralized trenches were back-filled, seeded and groomed to meet standard environmental requirements.

Table 2 summarizes the trench data. Plate 1 is a compilation map showing the areas of trenching.

Trenches 1 to 3 were excavated to test areas where float mineralization appears on surface. Trenches 15 and 17 were excavated to test projections of mineralized structures. The remainder were dug to test soil anomalies.

Table 2

TIM CLAIMS - 1988 TRENCHING

TRENCH #	GRID CO-ORDINATES (North End)	GRID CO-ORDINATES (South End)	LENGTH (m)	AV. DEPTH (m)	AVERAGE WIDTH Top (m)	AVERAGE WIDTH Bottom (m)	VOLUME (m^3)	TOTAL NUMBER OF SAMPLES TAKEN FOR ANALYSIS SOILS Pb/Zn/Ag	FOR ANALYSIS ROCK Pb/Zn/Ag	FOR ANALYSIS ROCK Cu	FOR ASSAY ROCK Pb/Zn/Ag	FOR ASSAY ROCK Au
1	3902W 7477N	3995W 7422N	110.0	0.57	2.7	1.8	141.0	21	34	-	12	2
2	3959W 7590N	4175W 7440N	258.0	0.48	2.0	1.1	192.0	25	48	-	9	-
3	3760W 7353N	3893W 7256N	157.0	4.85	4.2	1.3	2094.0	21	32	-	2	3
4	3434W 7095N	3434W 6868N	228.0	3.47	4.1	1.2	2097.0	42	40	-	19	2
5	3181W 7001N	3187W 6778N	224.0	2.94	3.6	1.1	1548.0	23	26	-	5	-
6	2997W 5863N	2995W 5649N	214.0	0.99	2.2	1.3	371.0	22	80	-	1	-
7	3021W 6772N	3023W 6516N	87.0	4.80	6.8	1.2	1670.0	37	-	-	-	-
8	2577W 5739N	2577W 5554N	185.0	2.74	3.3	1.0	1090.0	19	47	-	-	-
9	2427W 5577N	2414W 5423N	155.0	0.56	1.9	1.3	139.0	16	37	-	1	-
10	2579W 7023N	2577W 6827N	190.0	0.71	1.8	1.2	202.0	19	23	-	-	1
11	2579W 6646N	2575W 6479N	101.0	7.20	5.0	1.3	2291.0	37	12	-	-	-
12	2781W 6649N	2777W 6475N	158.0	1.94	3.1	1.2	659.0	21	31	-	-	-
13	2817W 5771N	2821W 5647N	120.0	1.96	2.9	1.1	470.0	13	15	-	-	-
14	1573W 5464N	1573W 5323N	141.0	0.57	1.9	1.4	133.0	15	24	-	-	-
15	3579W 7223N	3576W 7079N	147.0	1.68	2.5	1.2	457.0	15	31	2	2	-
16	2806W 7250N	2778W 7146N	110.0	0.41	1.8	1.4	72.0	12	13	-	1	-
17	3080W 5940N	3340W 5550N	110.0	5.75	5.8	1.2	2214.0	58	-	-	-	-
18	4007W 7378N	4007W 7361N	17.0	1.29	1.8	1.2	33.0	-	10	3	-	-
	TOTALS:		2712.0 m				15873.0 m^3	416	503	5	52	8

TRENCHING Continued)

9.2 TRENCH RESULTS (Plate 1)

9.2.1 North Zone (Plates 2 and 3)

Twelve trenches were completed over geochemical and geological targets in the North Zone. Approximately 1700 metres of favourable strike length was tested with nine trenches roughly 200 metres apart. Results from this area are very encouraging with the discovery of bedrock occurrences of silver-lead-zinc bearing iron and manganese oxides. Trenches are described separately below in the order they occur from northwest to southeast.

Trench 2 revealed a long interval of interbedded phyllite and siltstone in contact with limestone. Two separate, banded limonite intervals, two and eight metres wide, were exposed within phyllite near the limestone contact. Chip samples returned 0.67 oz/ton Ag, 1018 ppm Pb and 0.30% Zn over one metre. Soil results reflect the underlying mineralized bedrock and include values of 1.5 ppm Ag, 1540 ppm Pb and 1360 ppm Zn.

Trench 1, underlain by phyllite, breccia, gouge and limestone, intersected several zones of moderately oxidized material. A 26 metre wide, iron-oxide bearing breccia and gouge zone located at the limestone-phyllite contact returned anomalous assays up to 0.22 oz/ton Ag and 1.07% Pb over one metre. Several cobbles of massive galena discovered in the excavated material assayed up to 49.50% Pb and 34.41 oz/ton Ag. Three smaller limonite bands in phyllite near the south end of the trench returned values to 16.4 ppm Ag and 7600 ppm Pb over 0.5 metre. Trench soil samples near areas of bedrock mineralization returned values up to 9.6 ppm Ag, 7100 ppm Pb and 681 ppm Zn.

Trench 18, only 13 metres long and located immediately southwest of Trench 1 exposed phyllite, siltstone and siliceous breccia. Two siliceous breccia zones, one and two metres wide respectively, contain minor pyrite, chalcocite and malachite. No significant results were returned and no soil samples were taken.

Trench 3 encountered permafrost and thick overburden in the southern portion. The northern quarter of the trench exposed a sequence of rocks similar to those in trenches 1 and 2, and included a two metre intersection of phyllite-hosted, limonite rich material which assayed 0.15 oz/ton Ag over 1.0 m. A second zone of massive iron and manganese oxides was discovered at the south end of the bedrock exposure, from which a 4.0 metre chip sample returned values of 10.28 oz/ton Ag and 9.12% Pb. This oxide zone remains untested to the south. Strongly anomalous soil samples near the oxide mineralization include values of 8.6 ppm Ag, 3140 ppm Pb and 1450 ppm Zn.

TRENCHING Continued)

Trench 15 intersected a 10-metre interval of limonite boulders in red clay overlying carbonate bedrock. It is believed that the material originated upslope where an eight metre wide section of orange sand and clay was exposed, but no bedrock. A selected sample of the limonite assayed 3.92 oz/ton Ag, 1.29% Pb and 1.05% Zn. Additional mineralization in this area included chalcocite-malachite bearing quartz veins which returned up to 3770 ppm Cu. Strongly anomalous values from the majority of trench soil samples included 11.5 ppm Ag, 7680 ppm Pb and 1.99% Zn.

Trench 4, located east of trenches 1 through 3 is underlain by limestone and contains the largest exposure of massive oxide mineralization on the property. The 30-metre, mineralized intercept is bounded to the north by a 6.0 metre wide zone of fault gouge and the southern 9.0 metres are composed of crumbly, regolith-like oxide material. Sample results are moderately anomalous including 11.0 metres averaging 1.0 oz/ton Ag and individual values to 2.14 oz/ton Ag, 0.31% Pb, 0.96% Zn and 0.045 oz/ton Au. Sampling of the 9.0 metres of regolith returned similar values, including 19.7 ppm Ag, 1.36% Pb and 2.86% Zn. Soil samples taken along the trench were highly anomalous over the oxide zone and included values to 15.9 ppm Ag, 1300 ppm Pb and 4200 ppm Zn. Twenty percent of the trench failed to reach bedrock.

Trench 5, underlain by limestone, exposed bedrock over about 80% of its length. An 8.0 metre interval of subcrop(?) and permafrost in the southern portion of the trench contained a mix of massive oxide boulders, limestone and fine red-brown clay. A grab sample from an oxide boulder assayed 0.19 oz/ton Ag, 7.80% Pb and 0.88% Zn. It is postulated that this interval is the strike extension of the large oxide zone found in trench 4. Trench soil samples taken over the oxide zone included highly anomalous values of 1.5 oz/ton Ag, 5.90% Pb and 4800 ppm Zn.

Trench 7 failed to reach bedrock. Several test pits were excavated to depths of up to ten metres and soil sampled. Most of the results were anomalous and a sample collected from the bottom of the north test pit returned values of 14.4 ppm Ag, 2.70% Pb and 5550 ppm Zn. This pit lies on strike with oxides found in trenches 1, 3, 4 and 5 and similar mineralization could be nearby.

Trench 12 contains interbedded limestone, phyllite and siltstone in the north half and limestone in the south which hosts a 35 cm wide quartz vein containing trace galena. A selected sample of vein material ran 2.4 ppm Ag, 2270 ppm Pb and 1371 ppm Zn. Most of the trench soil samples were anomalous with values to 1.3 ppm Ag, 1780 ppm Pb and 1797 ppm Zn.

Trench 11 is underlain by limestone in contact with siltstone. The southern three-quarters of the trench failed to reach bedrock. No significant mineralization was found. Trench soil samples from the northern end returned anomalous values to 1.5 ppm Ag, 4090 ppm Pb and 2085 ppm Zn.

TRENCHING Continued)

Trench 10 tested a geochemical target located north and east of the main mineralized trend. It exposed Cambrian limestone with no significant mineralization. A limonite boulder found on surface adjacent to the south end of the trench assayed 1.23 oz/ton Ag. Many of the trench soil samples were anomalous with values to 10.4 ppm Ag, 2330 ppm Pb and 3570 ppm Zn.

Trench 16, also located north of the main mineralized trend tested a strong, isolated soil anomaly and local oxide float boulders. The trench is underlain by limestone and contains a 2.0 metre wide body of massive oxide mineralization which ran 13.2 ppm Ag, 1.86% Pb and 5.07% Zn across the 2.0 metres. Trench soil samples were all anomalous with values to 49 ppm Ag, 1490 ppm Pb and 1190 ppm Zn.

9.2.2 South Zone (Plate 4)

In the South Zone, a total of six trenches were completed over a 1700 metre long geochemical anomaly. Trenches 6, 8, 9, 13 and 17 located 200 m apart, tested 800 metres of favourable strike length in the western portion and trench 14, located 900 metres east of trench 9, tested the eastern end of the Ag-Pb-Zn soil anomaly. Results of trenching in the South zone were mixed, with only trench 6 intersecting significant mineralization. Trenches are discussed in the order they occur from northwest to southeast.

Trench 17, consisting of a series of test pits in the valley bottom along the main access road failed to reach bedrock. No anomalous soil results were returned from these pits.

Trench 6, underlain by Lower Cambrian limestone and limestone breccia, intersected a 5 metre wide zone of massive oxide mineralization composed of red-brown clay and limonite. Chip sampling returned values of 4.7 ppm Ag, 0.66% Pb and 0.95% Zn over one metre. All of the trench soil samples were anomalous with values to 5.3 ppm Ag, 1.86% Pb and 2400 ppm Zn.

Trench 13 is underlain by limestone in contact with siltstone to the south. No significant mineralization was identified. Trench soil samples included values to 5.3 ppm Ag, 1379 ppm Pb and 3680 ppm Zn.

Trench 8 is underlain by limestone and minor phyllite. No mineralization was encountered. Trench soil sample results were correspondingly lower and included values to 3.0 ppm Ag, 442 ppm Pb and 587 ppm Zn.

Trench 9 cut limestone, with minor interbeds of phyllite. No mineralization was intersected in the trench despite nearby surface occurrences of limonite cobbles. Oxide float material assayed 0.42% Pb and 0.49% Zn. Soil results were evaluated with values to 3.6 ppm Ag, 1741 ppm Pb and 2105 ppm Zn.

TRENCHING Continued)

Trench 14, located 900 metres west of trench 9, is underlain by Lower Cambrian limestone. No mineralization was discovered. Trench soil values to 2.9 ppm Ag, 836 ppm Pb and 1246 ppm Zn were returned.

****

10.0 EXPLORATION POTENTIAL

The North Zone mineralized trend that extends 1200 metres from trench 7 to trench 1 is the most favourable area on the Tim property to be systematically explored in more detail. To date trenching at or near the phyllite-carbonate interface has exposed oxidized mineralization in structures or as replacement bodies within favourable horizons of the gently dipping carbonate unit. Solution channels in karst structures i.e. possible solution breccia in trench 6, and the limestone-phyllite contact are favourable locations to explore for replacement bodies. The 30 metre wide, carbonate-hosted, limonite interval in trench 4 is a possible example of replacement-type mineralization which has undergone surface oxidation.

The style and grade of the oxide mineralization, as well as the geological setting, are similar to some oxide zones found in the nearby Midway silver-lead-zinc deposit. The chance of locating massive sulphide mineralization at Tim below the oxides is very good. The reserve potential of this type of mineral deposit at Midway is estimated to be in the order of one to five million tons of 10 to 15 oz/ton silver and 15% to 20% combined lead-zinc.

Good potential exists for laterally and vertically extending the defined mineralized zones and for finding new zones. The geochemical anomalies in the areas of trenching are large in size and magnitude in comparison to the background values over the entire property. Untested portions of these anomalies hold considerable promise for the discovery of additional mineralization.

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11.0 BIBLIOGRAPHY

CORDILLERAN ENGINEERING LTD.:

1983: Summary Report on the Tim Silver, Lead, Zinc Property, Watson Lake Mining District, Yukon, for Regional Resources Ltd.

1984: Geological and Geochemical Report on the Tim 1-160 Mineral Claims, 1984 Assessment Report, Watson Lake Mining District, Yukon, for Regional Resources Ltd.

1985: 1984 Diamond Drilling & Physical Report on the Way 1-35, Bull 1-27, Climax 1-16, Post 1-16, Beth 1-4, Star 2-3, Reenee 1 and Toots 4 Claims, 1984 Assessment Report, Watson Lake Mining District, Yukon, for Regional Resources Ltd. and Canamax Resources Inc.

1986: Geological, Geochemical and Prospecting Report on the Tim Claim Group, 1986 Assessment Report, Watson Lake Mining District, Yukon, for Fairfield Minerals Ltd.

1987: 1986 Summary Report of Exploration on the Meister River Property, Watson Lake Mining District, Yukon, for Fairfield Minerals Ltd. and Getty Resources Limited.

LOWEY, G.W., LOWEY, J.F.:

1986: Geology of Spencer Creek (105 B/1) and Daughney Lake (105 B/2) Map-areas, Rancheria District, Southeast Yukon, Indian and Northern Affairs Canada, Open File 1986-1.

MURPHY, D.C.

1988 Geology of Gravel Creek (105 B/10) and Irvine Lake (105 B/11) Map-areas, Southeastern Yukon, Indian and Northern Affairs Canada, Open File 1988-1.

POOLE, W.H., RODDICK, J.A., GREEN, L.H.:

1960 Geology, Wolf Lake, Yukon Territory, Sheet 105 B, Geological Survey of Canada, Map 10-1960.

****

12.0 STATEMENT OF EXPENDITURES

CANADA)
) In the matter of a trenching report on the
TO WIT:) Tim 47-60, 69-82, 91-100, 111-120, 131-140 161-200 (inclusive) mineral claims on behalf of Fairfield Minerals Ltd.

I, Michael A. Stammers, agent for Fairfield Minerals Ltd.

of 1980 - 1055 West Hastings Street, Vancouver, British Columbia V6E 2E9

do solemnly declare, - that an exploration program was undertaken on the Tim property during the period June 18, 1988 to September 29, 1988 and the following expenses were incurred performing this work.

Excavator	515 hr x $ 82.50/hr	$ 42,487.50
Bulldozer	85 hr x 90.00/hr	7,650.00
Helicopter	34.3 hr x 520.00/hr	17,836.00
Camp Supplies	.....	8,265.12
Food	.....	7,402.64
Truck Rentals	.....	6,287.83
	TOTAL COST OF APPLIED 1988 EXPENDITURES	$ 89,929.09

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of The Canada Evidence Act.

Declared before me at Vancouver)
)
in the province of British Columbia this)
7th day of February 1989)

E A Balon
A Commissioner for Oaths for Yukon Territory

Michael A. Stammers

CORDILLERAN ENGINEERING LTD.

1980 GUINNESS TOWER, 1055 WEST HASTINGS STREET, VANCOUVER, B.C. V6E 2E9 TEL: (604) 681-8381

13.0 WRITER'S CERTIFICATE

I, Paul Donkersloot, hereby certify that:

1. I am a geologist employed by Cordilleran Engineering Ltd., of 1980 - 1055 West Hastings Street, Vancouver, B.C. V6E 2E9

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 am the author of this report and supervised the field work conducted on the Tim claim group during the months of July, August and September, 1988.

5. I have no financial interest in the claims covered by this report or in Fairfield Minerals Ltd.

CORDILLERAN ENGINEERING LTD.

Paul Donkersloot

P. Donkersloot, B.Sc.,
Geologist

PD/z
February, 1989
Vancouver, B.C.

CORDILLERAN ENGINEERING LTD.

1980 GUINNESS TOWER, 1055 WEST HASTINGS STREET, VANCOUVER, B.C. V6E 2E9 TEL: (604) 681-8381

WRITER'S CERTIFICATE

I, Michael A. Stammers of North Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 941 Kennedy Avenue, and employed by Cordilleran Engineering Ltd. of 1980 - 1055 W. Hastings Street, Vancouver, British Columbia.

2. I have received a B.A. degree in Geology and Geography from McMaster University, Hamilton, Ontario in 1977 and I am a Fellow of the Geological Association of Canada.

3. I have practiced my profession for fifteen years in British Columbia, Yukon and Northwest Territories.

4. I am the joint supervisor of the field work conducted on the Tim claim group by Cordilleran Engineering Ltd. during the period June 18 to September 29, 1988.

CORDILLERAN ENGINEERING LTD.



Michael A. Stammers, B.A.
Geologist

MAS/z
February, 1989
Vancouver, B.C.

A P P E N D I X " A "

A N A L Y T I C A L R E P O R T S

NOTE:

Sample numbers with prefix "TR-" indicates trench soil samples. A sample labelled TR-4-120 means that the sample was taken 120 metres from the start of trench 4. The start of the trench, with respect to taking samples, is marked on the trench maps included in this report.

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Au OPT	Ag OPT	Pb PCT	Zn PCT	As PCT	
R2 T 03-70041		0.02		0.04	0.05	0.01		
R2 T 03-70042		0.03		0.03	0.01	0.01		
R2 T 03-70043		0.10	<0.002	0.09	0.04	0.03		TRENCH 1 ROCKS
R2 T 03-70044		0.08	0.002	0.10	0.08	0.04		
R2 T 03-70045		0.08	<0.002	0.10	0.16	0.05		
R2 T 03-70046		0.08	0.003	0.08	0.13	0.09		
R2 T 03-70047		0.24	<0.002	0.22	0.65	0.01		
R2 T 03-70048		0.11	<0.002	0.09	0.18	0.05		
R2 T 03-70049		0.06	<0.002	0.06	0.11	<0.01		
R2 T 03-70050		0.04	<0.002	0.04	0.05	<0.01		
R2 T 03-70051		0.04		0.04	0.03	<0.01		
R2 T 03-70052		0.04		0.05	<0.01	<0.01		
R2 T 03-70072			0.025	28.55	33.14	0.02	1.18	
R2 T 03-70073			0.010	36.41	49.57	0.02	0.40	

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	
S1 T 03 TR-1 0-A		2.7	502	459	20	TRENCH 1 ROCKS
S1 T 03 TR-1 10A		13.5	2650	451	10	
S1 T 03 TR-1 10B		14.8	2890	681	60	
S1 T 03 TR-1 20A		2.1	710	255	10	
S1 T 03 TR-1 20B		9.6	3300	454	60	
S1 T 03 TR-1 30A		1.0	147	23	20	
S1 T 03 TR-1 40A		0.6	256	154	30	
S1 T 03 TR-1 40B		1.5	404	36	80	
S1 T 03 TR-1 40C		3.0	2470	86	140	
S1 T 03 TR-1 50A		0.4	132	59	25	
S1 T 03 TR-1 60A		0.3	150	15	10	
S1 T 03 TR-1 70A		0.5	7100	142	20	
S1 T 03 TR-1 80A		1.6	314	49	15	
S1 T 03 TR-1 90A		0.5	439	55	40	
S1 T 03 TR-1 100A		0.3	113	61	10	
S1 T 03 TR-1 100B		0.5	95	47	60	
S1 T 03 TR-1 100C		0.4	140	57	110	
S1 T 03 TR-1 100D		0.6	160	74	160	
S1 T 03 TR-1 110A		0.5	843	37	10	
S1 T 03 TR-1 110B		0.6	688	54	60	
S1 T 03 TR-1 110C		0.5	650	34	110	
R2 T 03-70026		<0.1	53	120		TRENCH 1 ROCKS
R2 T 03-70027		<0.1	52	158		
R2 T 03-70028		0.9	387	384		
R2 T 03-70029		0.5	146	340		
R2 T 03-70030		0.4	88	178		
R2 T 03-70031		0.5	110	305		
R2 T 03-70032		0.1	101	198		
R2 T 03-70033		0.1	110	157		
R2 T 03-70034		0.5	145	166		
R2 T 03-70035		1.7	886	646		
R2 T 03-70036		0.8	30	62		
R2 T 03-70037		0.9	138	89		
R2 T 03-70038		7.5	>10000	1717		
R2 T 03-70039		9.1	2730	190		
R2 T 03-70040		3.3	3610	111		
R2 T 03-70053		1.0	572	54		
R2 T 03-70054		0.4	22	28		
R2 T 03-70055		0.3	26	6		
R2 T 03-70056		0.4	36	8		
R2 T 03-70057		0.4	24	8		TRENCH 1 ROCKS
R2 T 03-70058		0.4	27	19		
R2 T 03-70059		0.5	60	93		
R2 T 03-70060		0.5	38	23		
R2 T 03-70061		0.3	22	6		
R2 T 03-70062		0.5	20	9		
R2 T 03-70063		0.7	27	31		
R2 T 03-70064		0.6	274	9		
R2 T 03-70065		0.2	63	3		
R2 T 03-70066		0.4	47	4		
R2 T 03-70067		16.4	7600	29		
R2 T 03-70068		2.7	1406	23		
R2 T 03-70069		0.1	349	26		
R2 T 03-70070		0.1	185	11		
R2 T 03-70071		0.9	4330	24		

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SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	
K2 T 03-70038		1.07	TRENCH 1 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 T 04-70100		0.05	0.06	0.24	T
R2 T 04-70101		0.03	0.01	0.15	R
R2 T 04-70102		0.20	<0.01	0.30	E
R2 T 04-70103		0.60	0.03	0.28	N
R2 T 04-70104		0.67	0.02	0.20	C
					H
R2 T 04-70105		0.19	<0.01	0.14	
R2 T 04-70106		0.06	<0.01	0.09	2
R2 T 04-70111		0.02	0.01	<0.01	
R2 T 04-70112		0.02	0.03	<0.01	R
					O
					C
					K
					S

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	
S1 T 04 TR-2 0A		0.1	52	229	10	
S1 T 04 TR-2 0B		0.3	44	113	60	
S1 T 04 TR-2 10A		1.3	726	400	20	
S1 T 04 TR-2 20A		0.6	119	184	10	
S1 T 04 TR-2 20B		0.8	164	212	60	
S1 T 04 TR-2 30A		1.1	227	324	20	
S1 T 04 TR-2 30B		1.3	186	266	70	
S1 T 04 TR-2 40A		1.3	168	218	30	
S1 T 04 TR-2 40B		1.5	562	1360	90	
S1 T 04 TR-2 50A		1.0	700	600	20	
S1 T 04 TR-2 50B		1.2	1540	870	70	
S1 T 04 TR-2 60A		0.3	212	176	15	
S1 T 04 TR-2 60B		0.1	47	95	65	
S1 T 04 TR-2 70A		0.2	73	92	10	
S1 T 04 TR-2 80A		1.3	44	151	10	
S1 T 04 TR-2 90A		0.5	36	163	5	
S1 T 04 TR-2 100A		0.1	388	279	15	
S1 T 04 TR-2 110A		0.2	137	50	10	
S1 T 04 TR-2 110B		0.2	286	86	60	
S1 T 04 TR-2 120A		0.1	65	61	10	
S1 T 04 TR-2 120B		0.2	40	74	60	
S1 T 04 TR-2 120C		0.1	51	55	110	
S1 T 04 TR-2 130A		0.1	103	54	15	
S1 T 04 TR-2 140A		0.1	31	82	20	
S1 T 04 TR-2 150A		<0.1	39	74	15	
R2 T 04-70074		0.2	466	155		TRENCH 2 ROCKS
R2 T 04-70075		0.4	150	182		
R2 T 04-70076		1.3	2620	485		
R2 T 04-70077		0.5	683	560		
R2 T 04-70078		0.6	237	344		
R2 T 04-70079		1.4	406	353		
R2 T 04-70080		0.4	95	125		
R2 T 04-70081		0.2	208	120		
R2 T 04-70082		0.1	102	132		
R2 T 04-70083		0.7	165	349		
R2 T 04-70084		0.8	163	430		
R2 T 04-70085		0.7	298	1380		
R2 T 04-70086		1.1	401	375		
R2 T 04-70087		0.5	321	230		
R2 T 04-70088		0.2	251	262		

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
R2 T 04-70089		1.3	107	194	
R2 T 04-70090		0.8	58	200	
R2 T 04-70091		0.5	43	67	
R2 T 04-70092		0.9	74	520	
R2 T 04-70093		1.3	3000	1885	
R2 T 04-70094		1.7	5760	1110	TRENCH 2 ROCKS
R2 T 04-70095		2.0	2460	540	
R2 T 04-70096		1.4	884	640	
R2 T 04-70097		1.5	716	445	
R2 T 04-70098		0.1	186	118	
R2 T 04-70099		1.4	1018	1385	
R2 T 04-70107		2.3	16	395	
R2 T 04-70108		0.3	12	280	
R2 T 04-70109		0.1	19	21	
R2 T 04-70110		0.5	328	43	
R2 T 04-70113		0.1	64	7	
R2 T 04-70114		0.2	38	24	
R2 T 04-70115		<0.1	30	7	
R2 T 04-70116		0.1	77	17	
R2 T 04-70117		0.2	10	7	
R2 T 04-70118		0.2	6	11	
R2 T 04-70119		0.3	8	10	
R2 T 04-70120		0.3	6	7	
R2 T 04-70121		0.9	20	136	
R2 T 04-70122		0.4	29	35	
R2 T 04-70123		0.4	31	19	
R2 T 04-70124		0.5	28	20	
R2 T 04-70125		0.4	67	15	
R2 T 04-70126		0.5	36	18	
R2 T 04-70127		0.6	39	10	
R2 T 04-70128		1.0	48	9	
R2 T 04-70129		4.6	362	67	
R2 T 04-70130		3.5	686	282	

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Pb PCT	Zn PCT	
R2 05-70146			0.12	0.06	0.01	T
R2 05-70147			0.15	0.05	0.01	R
R2 05-70155		0.028	5.22	12.09	0.31	E
R2 05-70156		0.016	1.63	10.10	0.60	N
R2 05-70157		0.012	28.66=	6.30	0.79	C
						H
						3
						R
						O
						C
						K
						S

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	
R2 T 05-70154		5.60	8.00	TRENCH 3 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	
S1 T 05-TR-3 0A		0.4	153	285	10	TRENCH 3 ROCKS
S1 T 05-TR-3 0B		0.5	172	172	60	
S1 T 05-TR-3 10A		1.3	156	240	10	
S1 T 05-TR-3 10B		0.2	116	210	60	
S1 T 05-TR-3 20A		0.8	180	90	15	
S1 T 05-TR-3 20B		0.3	211	89	65	
S1 T 05-TR-3 30A		6.7	4110	320	5	
S1 T 05-TR-3 30B		8.6	3140	1450	55	
S1 T 05-TR-3 40A		1.4	262	195	20	
S1 T 05-TR-3 50A		1.3	373	190	20	
S1 T 05-TR-3 60A		0.6	125	141	15	
S1 T 05-TR-3 70A		0.7	179	205	5	
S1 T 05-TR-3 80A		0.6	118	142	15	
S1 T 05-TR-3 90A		0.7	96	107	5	
S1 T 05-TR-3 100A		0.4	69	79	5	
S1 T 05-TR-3 110A		0.4	101	98	5	
S1 T 05-TR-3 110B		1.0	428	191	55	
S1 T 05-TR-3 120A		0.9	186	580	10	
S1 T 05-TR-3 130A		0.3	146	230	15	
S1 T 05-TR-3 140A		0.2	140	166	5	
S1 T 05-TR-3 150A		0.4	98	180	5	
R2 T 05-70131		0.2	34	139		
R2 T 05-70132		0.4	14	255		
R2 T 05-70133		<0.1	19	58		
R2 T 05-70134		0.4	94	510		
R2 T 05-70135		0.5	41	500		TRENCH 3 ROCKS
R2 T 05-70136		0.1	51	430		
R2 T 05-70137		0.1	37	320		
R2 T 05-70138		0.1	18	205		
R2 T 05-70139		0.1	49	290		
R2 T 05-70140		0.7	50	1150		
R2 T 05-70141		0.6	31	750		
R2 T 05-70142		0.2	8	140		
R2 T 05-70143		0.4	23	335		
R2 T 05-70144		0.5	18	106		
R2 T 05-70145		0.6	106	111		
R2 T 05-70148		2.1	437	175		
R2 T 05-70149		1.0	265	68		
R2 T 05-70150		1.4	314	111		
R2 T 05-70151		7.7	2500	1200		
R2 T 05-70152		4.3	805	575		TRENCH 3 ROCKS
R2 T 05-70153		0.1	83	100		
R2 T 05-70154		>50.0	>10000	2650		
R2 T 05-70158		11.6	2940	355		
R2 T 05-70159		13.0	1048	305		
R2 T 05-70160		3.0	223	285		
R2 T 05-70161		4.4	153	139		
R2 T 05-70162		3.2	99	300		
R2 T 05-70163		2.2	98	1100		
R2 T 05-70164		1.7	96	890		
R2 T 05-70165		2.0	33	275		
R2 T 05-70166		2.2	30	158		
R2 T 05-70167		2.9	28	260		

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Pb PCT	Zn PCT	
R2 T 06-70198			0.07	<0.01	0.01	
R2 T 06-70199			0.20	0.02	0.04	
R2 T 06-70200			0.15	0.03	0.04	
R2 T 06-70201			0.07	<0.01	0.01	
R2 T 06-70202			0.08	<0.01	0.02	TRENCH 4 ROCKS
R2 T 06-70203			0.28	0.02	0.08	
R2 T 06-70204			0.24	0.01	0.05	
R2 T 06-70205			0.32	0.03	0.13	
R2 T 06-70206			0.26	0.02	0.05	
R2 T 06-70210			0.67	0.05	0.03	
R2 T 06-70211			0.49	0.08	0.06	
R2 T 06-70212			0.32	0.08	0.09	
R2 T 06-70213			1.60	0.31	0.52	
R2 T 06-70214			0.30	0.07	0.49	
R2 T 06-70215			0.50	0.04	0.33	
R2 T 06-70216			1.12	0.06	0.25	
R2 T 06-70217			1.26	0.02	0.44	
R2 T 06-70218			1.27	0.16	0.36	
R2 T 06-70219			2.14	0.05	0.38	
R2 T 06-70220		0.014	0.75	0.26	0.96	
R2 T 06-70221		0.045	0.38	0.24	0.75	

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
R2 T 06-70209		1.51

TRENCH 4 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
S1 T 06-TR-4 60A		0.4	114	272	10	R2 T 06-70178		0.3	76	136	
S1 T 06-TR-4 60B		1.2	118	180	60	R2 T 06-70179		1.2	91	156	
S1 T 06-TR-4 60C		1.4	400	1120	115	R2 T 06-70180		0.5	54	158	
S1 T 06-TR-4 80A		2.4	678	3000	20	R2 T 06-70181		1.1	179	348	
S1 T 06-TR-4 80B		3.4	581	2400	70	R2 T 06-70182		1.2	1280	420	
S1 T 06-TR-4 80C		4.7	580	3200	120	R2 T 06-70183		1.4	196	316	
S1 T 06-TR-4 80D		1.7	359	1330	160	R2 T 06-70184		0.8	87	182	
S1 T 06-TR-4 90A		1.7	83	990	05	R2 T 06-70185		0.5	42	160	TRENCH 4 ROCKS
S1 T 06-TR-4 90B		3.9	520	1010	55	R2 T 06-70186		1.3	73	400	
S1 T 06-TR-4 90C		5.0	1030	1890	105	R2 T 06-70187		1.1	57	272	
S1 T 06-TR-4 90D		4.7	1049	2900	155	R2 T 06-70188		0.8	106	288	
S1 T 06-TR-4 100A		2.5	392	1200	10	R2 T 06-70189		0.5	30	116	
S1 T 06-TR-4 100B		1.1	339	730	60	R2 T 06-70190		1.2	24	134	
S1 T 06-TR-4 100C		3.1	1300	2400	115	R2 T 06-70191		2.0	37	360	
S1 T 06-TR-4 110A		1.3	326	1230	10	R2 T 06-70192		0.9	46	250	
S1 T 06-TR-4 110B		1.7	560	1690	60	R2 T 06-70193		0.2	36	90	
S1 T 06-TR-4 110C		0.7	379	680	110	R2 T 06-70194		0.5	36	114	
S1 T 06-TR-4 110D		0.8	297	570	160	R2 T 06-70195		0.6	73	540	
S1 T 06-TR-4 110E		4.1	1310	3500	550	R2 T 06-70196		0.7	96	306	
S1 T 06-TR-4 110F		2.4	658	1790	600	R2 T 06-70197		1.0	180	334	
S1 T 06-TR-4 110G		2.9	512	1780	650	R2 T 06-70207		40.2	947	380	
S1 T 06-TR-4 110H		11.3	528	1880	700	R2 T 06-70208		19.0	743	140	
S1 T 06-TR-4 120A		2.0	393	1400	10	R2 T 06-70209		>50.0	675	334	
S1 T 06-TR-4 120B		1.0	268	630	60	R2 T 06-70222		0.9	40	220	
S1 T 06-TR-4 120C		1.8	382	710	110	R2 T 06-70223		0.4	26	172	
S1 T 06-TR-4 120D		1.3	360	800	160	R2 T 06-70224		0.9	28	248	
S1 T 06-TR-4 120E		7.5	2550	12800	550	R2 T 06-70225		0.7	28	220	
S1 T 06-TR-4 120F		17.2	1720	8800	600	R2 T 06-70226		0.8	35	104	
S1 T 06-TR-4 120G		9.1	990	5900	650	R2 T 06-70227		0.9	22	160	
S1 T 06-TR-4 120H		15.8	898	4200	700	R2 T 06-70228		1.3	15	172	
R2 T 06-70168		0.4	121	304							
R2 T 06-70169		0.9	170	490							
R2 T 06-70170		1.4	796	1150	TRENCH 4						
R2 T 06-70171		0.2	249	154							
R2 T 06-70172		0.8	219	420							
R2 T 06-70173		0.5	95	152							
R2 T 06-70174		0.1	39	60							
R2 T 06-70175		0.4	139	140							
R2 T 06-70176		0.4	94	150							
R2 T 06-70177		0.3	55	100							

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	SAMPLE DEPTH (cm)
S1 T 07-IR-5 170C		1.34	4.90	105
S1 T 07-IR-5 170D		1.50	5.90	155
S1 T 07-IR-5 180C			5.00	105
S1 T 07-IR-5 180D		0.45	3.72	150

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 T 07-70239		0.04	0.04	0.09	TRENCH 5 ROCKS
R2 T 07-70246		<0.02	0.05	0.05	
R2 T 07-70247		<0.02	0.01	0.02	
R2 T 07-70258		0.34	0.30	0.52	
R2 T 07-70259		0.19	7.80	0.88	

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PROJECT: TIM

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
S1 T 07-TR-5 120A		2.6	340	1000	5	R2 T 07-70249		1.0	170	152	
S1 T 07-TR-5 120B		3.0	667	1450	60	R2 T 07-70250		1.0	204	119	TRENCH 5 ROCKS
S1 T 07-TR-5 120C		2.1	615	1250	110	R2 T 07-70251		0.5	29	57	
S1 T 07-TR-5 120D		4.6	1660	2700	170	R2 T 07-70252		1.1	169	270	
S1 T 07-TR-5 130A		4.4	489	1300	10	R2 T 07-70253		1.9	106	340	
S1 T 07-TR-5 130B		2.8	859	1600	70	R2 T 07-70254		1.6	136	320	
S1 T 07-TR-5 140A		3.6	521	1150	5	R2 T 07-70255		1.2	53	220	
S1 T 07-TR-5 140B		2.5	423	900	60	R2 T 07-70256		0.9	75	158	
S1 T 07-TR-5 140C		1.6	602	1100	110	R2 T 07-70257		1.7	383	480	
S1 T 07-TR-5 140D		1.8	721	1300	170						
S1 T 07-TR-5 170A		2.4	326	1000	5						
S1 T 07-TR-5 170B		2.8	611	1700	55						
S1 T 07-TR-5 170C		>50.0	>10000	4400	105						
S1 T 07-TR-5 170D		>50.0	>10000	4200	155						
S1 T 07-TR-5 180A		5.9	3010	2500	5						
S1 T 07-TR-5 180B		2.4	579	1900	55						
S1 T 07-TR-5 180C		8.5	>10000	11000	105						
S1 T 07-TR-5 180D		17.9	>10000	4800	150						
S1 T 07-TR-5 190A		3.4	346	1500	16						
S1 T 07-TR-5 190B		6.4	2750	2800	60						
S1 T 07-TR-5 190C		4.7	4320	2400	110						
S1 T 07-TR-5 200A		3.9	518	1150	15						
S1 T 07-TR-5 200B		6.6	700	1220	65						
R2 T 07-70229		0.5	28	40							
R2 T 07-70230		1.0	34	136							
R2 T 07-70231		1.3	127	260							
R2 T 07-70232		0.5	14	33							
R2 T 07-70233		1.6	104	1350							
R2 T 07-70234		1.1	253	820							
R2 T 07-70235		1.1	165	360							
R2 T 07-70236		0.9	73	240							
R2 T 07-70237		1.6	99	265							
R2 T 07-70238		1.2	178	380							
R2 T 07-70240		1.0	49	375							
R2 T 07-70241		1.2	46	280							
R2 T 07-70242		0.9	27	137							
R2 T 07-70243		1.4	104	390							
R2 T 07-70244		1.1	61	430							
R2 T 07-70245		0.6	40	129							
R2 T 07-70248		0.8	34	111							

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REPORT: V88-07453.6

PROJECT: TIM

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	SAMPLE DEPTH (cm)
S1 T 09-TR-6 40A		1.86	140

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REPORT: V88-07453.4

PROJECT: TIM

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 I 09-70373		0.17	0.66	0.95	TRENCH 6 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
S1 T 09-TR-6 0A		0.5	495	780	165	R2 T 09-70324		0.3	122	360	
S1 T 09-TR-6 10A		0.5	862	1150	155	R2 T 09-70325		0.5	68	346	
S1 T 09-TR-6 20A		0.7	871	910	110	R2 T 09-70326		0.5	67	336	
S1 T 09-TR-6 30A		1.1	2020	2400	125	R2 T 09-70327		0.3	67	340	
S1 T 09-TR-6 40A		2.3	>10000	12200	140	R2 T 09-70328		0.3	53	235	
S1 T 09-TR-6 50A		0.7	899	910	110	R2 T 09-70329		0.4	67	265	
S1 T 09-TR-6 60A		1.2	1061	1920	160	R2 T 09-70330		0.5	246	352	T
S1 T 09-TR-6 70A		0.9	931	1760	130	R2 T 09-70331		0.4	197	333	R
S1 T 09-TR-6 80A		1.0	723	1080	140	R2 T 09-70332		0.2	73	254	E
S1 T 09-TR-6 90A		5.3	973	1200	50	R2 T 09-70333		0.4	155	230	N
S1 T 09-TR-6 100A		3.8	2670	1580	5	R2 T 09-70334		0.5	166	245	C
S1 T 09-TR-6 110A		4.8	1720	800	5	R2 T 09-70335		1.1	135	400	H
S1 T 09-TR-6 120A		1.9	506	720	5	R2 T 09-70336		1.0	295	395	
S1 T 09-TR-6 130A		1.2	835	840	40	R2 T 09-70337		1.0	138	380	6
S1 T 09-TR-6 140A		0.9	841	1500	90	R2 T 09-70338		1.4	290	400	
S1 T 09-TR-6 150A		0.8	735	1160	120	R2 T 09-70339		2.1	600	500	R
S1 T 09-TR-6 160A		0.9	891	1200	230	R2 T 09-70340		1.7	399	600	O
S1 T 09-TR-6 170A		1.0	945	1300	50	R2 T 09-70341		2.0	412	505	C
S1 T 09-TR-6 180A		1.6	755	760	30	R2 T 09-70342		4.0	1043	760	K
S1 T 09-TR-6 190A		1.9	569	800	60	R2 T 09-70343		1.2	343	224	S
S1 T 09-TR-6 200A		2.1	1160	2400	100	R2 T 09-70344		0.8	196	165	
S1 T 09-TR-6 210A		2.4	1250	2200	150	R2 T 09-70345		0.1	72	99	
R2 T 09-70306		0.4	523	720		R2 T 09-70346		0.4	170	192	
R2 T 09-70307		0.3	243	230		R2 T 09-70347		0.2	106	189	
R2 T 09-70308		0.5	872	580		R2 T 09-70348		0.2	135	145	
R2 T 09-70309		0.3	343	395	T	R2 T 09-70349		0.5	211	201	
R2 T 09-70310		4.7	5130	3800	R	R2 T 09-70350		0.1	153	370	
R2 T 09-70311		4.3	5190	4500	E	R2 T 09-70351		0.3	108	201	
R2 T 09-70312		4.4	7370	7100	N	R2 T 09-70352		0.1	129	220	
R2 T 09-70313		4.5	6030	6800	C	R2 T 09-70353		0.1	143	192	
R2 T 09-70314		1.7	4400	6800	H	R2 T 09-70354		0.3	96	158	
R2 T 09-70315		1.4	3740	5200	6	R2 T 09-70355		0.2	140	134	
R2 T 09-70316		3.4	2930	5400		R2 T 09-70356		0.2	163	300	
R2 T 09-70317		1.5	2030	1980	R	R2 T 09-70357		0.2	93	140	
R2 T 09-70318		0.7	668	635	O	R2 T 09-70358		0.4	57	160	
R2 T 09-70319		0.7	598	720	C	R2 T 09-70359		0.7	98	122	
R2 T 09-70320		0.2	118	203	K	R2 T 09-70360		0.3	57	143	
R2 T 09-70321		0.2	102	148	S	R2 T 09-70361		0.3	71	172	
R2 T 09-70322		0.1	149	102		R2 T 09-70362		0.6	43	240	
R2 T 09-70323		0.4	250	180		R2 T 09-70363		0.4	121	360	

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REPORT; V88-07453.0

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM
R2 T 09-70364		0.3	136	212
R2 T 09-70365		0.3	160	228
R2 T 09-70366		0.4	269	430
R2 T 09-70367		0.6	102	216
R2 T 09-70368		0.6	210	400
R2 T 09-70369		0.3	103	181
R2 T 09-70370		0.4	141	204
R2 T 09-70371		0.6	162	400
R2 T 09-70372		0.6	253	420

TRENCH 6 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Pb PCT	Zn PCT	
R2 T 10-70449		0.07	0.42	0.49	TRENCH 9 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
S1 T 10-TR-9 00A		1.6	281	546	30	R2 T 10-70436		<0.1	7	69	TRENCH 9 ROCKS
S1 T 10-TR-9 10A		1.4	352	700	50	R2 T 10-70437		<0.1	9	71	
S1 T 10-TR-9 20A		1.7	388	756	50	R2 T 10-70438		<0.1	7	70	
S1 T 10-TR-9 30A		0.2	151	268	150	R2 T 10-70439		0.1	9	85	
S1 T 10-TR-9 40A		0.6	296	531	80	R2 T 10-70440		0.1	10	76	
S1 T 10-TR-9 50A		0.8	289	443	90	R2 T 10-70441		0.2	19	169	
S1 T 10-TR-9 60A		1.3	392	700	50	R2 T 10-70442		0.3	45	401	
S1 T 10-TR-9 70A		2.1	655	1132	20	R2 T 10-70443		0.1	50	323	
S1 T 10-TR-9 80A		1.9	700	1172	50	R2 T 10-70444		<0.1	46	192	
S1 T 10-TR-9 90A		1.9	604	1260	60	R2 T 10-70445		<0.1	23	109	
S1 T 10-TR-9 100A		2.1	741	1517	80	R2 T 10-70446		<0.1	13	46	
S1 T 10-TR-9 110A		2.9	1158	2105	40	R2 T 10-70447		<0.1	23	81	
S1 T 10-TR-9 120A		1.2	401	467	50	R2 T 10-70448		<0.1	18	71	
S1 T 10-TR-9 130A		1.2	594	1228	50						
S1 T 10-TR-9 140A		3.6	737	1966	20						
S1 T 10-TR-9 150A		2.9	621	1577	20						
R2 T 10-70412		0.4	23	627							
R2 T 10-70413		0.3	39	387							
R2 T 10-70414		0.2	38	771							
R2 T 10-70415		0.2	26	703							
R2 T 10-70416		<0.1	86	322							
R2 T 10-70417		<0.1	119	684							
R2 T 10-70418		<0.1	31	75							
R2 T 10-70419		0.3	185	364							
R2 T 10-70420		<0.1	23	43							
R2 T 10-70421		<0.1	13	33							
R2 T 10-70422		<0.1	10	23							
R2 T 10-70423		<0.1	7	12							
R2 T 10-70424		0.1	13	87							
R2 T 10-70425		0.1	11	78							
R2 T 10-70426		<0.1	22	130							
R2 T 10-70427		<0.1	14	137							
R2 T 10-70428		0.2	57	256							
R2 T 10-70429		0.2	84	348							
R2 T 10-70430		<0.1	119	241							
R2 T 10-70431		<0.1	20	65							
R2 T 10-70432		<0.1	13	31							
R2 T 10-70433		<0.1	8	53							
R2 T 10-70434		<0.1	11	57							
R2 T 10-70435		<0.1	8	70							

TRENCH 9 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	SAMPLE DEPTH (cm)
S1 T 11-TR7 18-F		2.70	600
S1 T 11-TR7 18-G		2.19	660

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Pb PCT	Zn PCT	
R2 111-70473		0.004	1.23	0.58	0.14	TRENCH 10 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)
S1 T 11-1200W 5200N		0.9	108	198	
S1 T 11-1200W 5250N		1.6	302	499	
S1 T 11-1200W 5300N		0.2	67	334	
S1 T 11-1200W 5350N		0.2	92	271	
S1 T 11-1200W 5400N		0.2	48	230	
S1 T 11-1200W 5450N		0.3	64	190	
S1 T 11-1200W 5500N		0.1	41	191	
S1 T 11-1200W 5550N		0.5	137	334	
S1 T 11-1200W 5600N		0.5	139	230	
S1 T 11-1200W 5650N		0.2	114	197	
S1 T 11-1200W 5700N		0.5	93	175	
S1 T 11-1400W 5200N		1.8	343	823	
S1 T 11-1400W 5250N		0.7	144	757	
S1 T 11-1400W 5300N		1.2	151	400	
S1 T 11-1400W 5350N		0.5	214	417	
S1 T 11-1400W 5400N		0.9	182	410	
S1 T 11-1400W 5450N		0.4	49	163	
S1 T 11-1400W 5500N		0.5	48	173	
S1 T 11-1400W 5550N		0.5	65	164	
S1 T 11-1400W 5600N		<0.1	54	214	
S1 T 11-1400W 5650N		0.1	55	140	
S1 T 11-1400W 5700N		0.3	76	162	
S1 T 11-TR7 0-A		3.8	1021	1356	0
S1 T 11-TR7 0-B		3.7	2480	1978	100
S1 T 11-TR7 0-C		2.6	1953	1566	200
S1 T 11-TR7 0-D		1.6	1231	1449	300
S1 T 11-TR7 0-E		1.4	1275	1357	400
S1 T 11-TR7 18-A		4.8	1149	1593	100
S1 T 11-TR7 18-B		1.5	869	1250	200
S1 T 11-TR7 18-C		0.9	728	1214	300
S1 T 11-TR7 18-D		0.9	1046	1118	400
S1 T 11-TR7 18-E		2.3	2031	1054	500
S1 T 11-TR7 18-F		11.4	>10000	5550	600
S1 T 11-TR7 18-G		14.4	>10000	3900	660
S1 T 11-TR7 54-A		1.5	1478	964	0
S1 T 11-TR7 54-B		1.1	2400	997	100
S1 T 11-TR7 54-C		1.3	3140	1036	200
S1 T 11-TR7 54-D		2.0	4860	1465	300
S1 T 11-TR7 104-A		1.7	2114	1008	100
S1 T 11-TR7 104-B		2.7	2010	1005	200
S1 T 11-TR7 104-C		1.4	1210	982	300
S1 T 11-TR7 104-D		3.7	6090	1543	400
S1 T 11-TR7 104-E		2.8	5590	1687	500
S1 T 11-TR7 104-F		1.0	1690	746	600
S1 T 11-TR7 139-A		2.1	1886	900	100
S1 T 11-TR7 139-B		3.0	2180	1014	200
S1 T 11-TR7 175-A		0.7	675	998	0
S1 T 11-TR7 175-B		0.9	960	887	100
S1 T 11-TR7 175-C		1.0	1054	920	200
S1 T 11-TR7 175-D		0.9	1113	900	300
S1 T 11-TR7 214-A		1.0	296	452	0
S1 T 11-TR7 214-B		0.8	480	554	100
S1 T 11-TR7 214-C		0.6	514	515	200
S1 T 11-TR7 214-D		0.8	678	623	300
S1 T 11-TR7 241-A		0.9	876	1146	0
S1 T 11-TR7 241-B		1.2	615	609	100
S1 T 11-TR7 241-C		0.8	596	622	200
S1 T 11-TR7 241-D		0.5	380	497	300
S1 T 11-TR7 241-E		0.5	336	415	400
S1 T 11-TR10 0-A		1.4	387	787	50
S1 T 11-TR10 10-A		3.3	556	1796	90
S1 T 11-TR10 20-A		0.9	119	169	15
S1 T 11-TR10 30-A		0.5	141	218	5
S1 T 11-TR10 40-A		0.6	119	182	80
S1 T 11-TR10 50-A		0.5	121	272	5
S1 T 11-TR10 60-A		0.5	84	138	5
S1 T 11-TR10 70-A		0.4	110	149	5
S1 T 11-TR10 80-A		0.6	144	251	5
S1 T 11-TR10 90-A		0.4	156	193	55
S1 T 11-TR10 100-A		1.4	434	546	90
S1 T 11-TR10 110-A		3.4	1363	1454	65
S1 T 11-TR10 120-A		4.6	1573	2199	70
S1 T 11-TR10 130-A		10.4	2330	3130	90
S1 T 11-TR10 140-A		5.2	2130	3570	60
S1 T 11-TR10 150-A		4.1	1180	2250	80
S1 T 11-TR10 160-A		2.5	1521	2410	70
S1 T 11-TR10 170-A		2.5	1287	2380	240
S1 T 11-TR10 180-A		3.4	1752	2410	200
S1 T 11-TR12 0-A		1.0	349	578	320
S1 T 11-TR12 10-A		1.3	378	458	140

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
S1 T 11-TR12 20-A		0.7	491	422	120	R2 T 11-70471		2.3	314	262	T-10
S1 T 11-TR12 30-A		0.6	516	477	120	R2 T 11-70472		1.4	180	171	
S1 T 11-TR12 40-A		1.1	784	508	110	R2 T 11-70474		0.6	43	61	
S1 T 11-TR12 50-A		1.3	1505	938	120	R2 T 11-70475		1.4	86	113	
S1 T 11-TR12 60-A		1.6	791	605	100	R2 T 11-70476		0.1	57	77	
S1 T 11-TR12 70-A		1.1	201	292	040	R2 T 11-70477		0.1	29	32	T R E N C H
S1 T 11-TR12 80-A		2.3	1781	1797	170	R2 T 11-70478		<0.1	17	25	
S1 T 11-TR12 90-A		0.8	1050	709	165	R2 T 11-70479		0.1	91	83	
S1 T 11-TR12 100-A		0.7	911	556	170	R2 T 11-70480		<0.1	3	13	
S1 T 11-TR12 110-A		0.7	807	618	175	R2 T 11-70481		0.9	24	99	
S1 T 11-TR12 120-A		0.7	1096	628	190	R2 T 11-70482		0.6	57	138	12
S1 T 11-TR12 130-A		0.3	238	265	230	R2 T 11-70483		0.4	18	74	
S1 T 11-TR12 140-A		0.1	85	138	420	R2 T 11-70484		0.7	33	148	
S1 T 11-TR12 164-A		0.8	487	521	010	R2 T 11-70485		0.5	78	206	
S1 T 11-TR12 164-B		1.2	466	463	110	R2 T 11-70486		0.4	99	137	R O C K S
S1 T 11-TR12 164-C		0.4	227	461	210	R2 T 11-70487		<0.1	35	78	
S1 T 11-TR12 164-D		0.3	133	178	310	R2 T 11-70488		<0.1	39	73	
S1 T 11-TR12 164-E		0.4	216	259	410	R2 T 11-70489		<0.1	33	59	
S1 T 11-TR12 164-F		0.1	66	137	510	R2 T 11-70490		<0.1	91	118	
R2 T 11-70450		<0.1	<2	26		R2 T 11-70491		<0.1	32	44	
R2 T 11-70451		<0.1	9	89	T R E N C H	R2 T 11-70492		0.2	59	103	
R2 T 11-70452		<0.1	2	34		R2 T 11-70493		<0.1	24	52	
R2 T 11-70453		<0.1	3	28		R2 T 11-70494		<0.1	41	64	
R2 T 11-70454		<0.1	<2	12		R2 T 11-70495		0.3	45	112	
R2 T 11-70455		0.5	13	63		R2 T 11-70496		2.4	2270	1371	
R2 T 11-70456		1.1	49	182	10	R2 T 11-70497		0.3	69	113	
R2 T 11-70457		0.2	14	51		R2 T 11-70498		0.4	112	149	
R2 T 11-70458		0.3	19	75		R2 T 11-70499		0.1	36	84	
R2 T 11-70459		1.1	63	159		R2 T 11-70500		<0.1	13	20	
R2 T 11-70460		<0.1	13	37		R2 T 11-70501		<0.1	13	30	
R2 T 11-70461		<0.1	6	22	R O C K S	R2 T 11-70502		<0.1	12	40	
R2 T 11-70462		0.1	35	69		R2 T 11-70503		0.2	49	159	
R2 T 11-70463		<0.1	8	28		R2 T 11-70504		<0.1	27	61	
R2 T 11-70464		1.7	55	128							
R2 T 11-70465		1.6	107	163							
R2 T 11-70466		1.7	132	276							
R2 T 11-70467		4.2	121	293							
R2 T 11-70468		4.7	2013	890							
R2 T 11-70469		1.8	136	198							
R2 T 11-70470		3.9	719	733							

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM		SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM	
R2 T 12-70374		<0.1	5	11		R2 T 12-70507		<0.1	15	70	TRENCH 8
R2 T 12-70375		<0.1	20	35		R2 T 12-70508		<0.1	15	123	
R2 T 12-70376		<0.1	8	13		R2 T 12-70509		<0.1	12	40	
R2 T 12-70377		<0.1	7	43		R2 T 12-70510		<0.1	8	142	
R2 T 12-70378		<0.1	18	57		R2 T 12-70511		<0.1	20	179	
R2 T 12-70379		0.1	35	185		R2 T 12-70512		<0.1	17	157	
R2 T 12-70380		<0.1	38	135		R2 T 12-70513		0.3	388	612	
R2 T 12-70381		<0.1	16	46		R2 T 12-70514		1.6	536	423	TRENCH 6
R2 T 12-70382		<0.1	33	103		R2 T 12-70515		1.3	454	266	
R2 T 12-70383		<0.1	49	92	TRENCH 8 ROCKS	R2 T 12-70516		1.6	301	372	
R2 T 12-70384		<0.1	47	94		R2 T 12-70517		0.9	550	226	
R2 T 12-70385		0.2	55	183		R2 T 12-70518		0.9	339	175	
R2 T 12-70386		<0.1	24	81		R2 T 12-70519		2.2	322	210	
R2 T 12-70387		0.6	82	818		R2 T 12-70520		0.8	268	161	
R2 T 12-70388		<0.1	43	250		R2 T 12-70521		5.2	2340	1778	
R2 T 12-70389		<0.1	55	202		R2 T 12-70522		2.7	991	501	TRENCH 13 ROCKS
R2 T 12-70390		<0.1	18	82		R2 T 12-70523		1.0	400	345	
R2 T 12-70391		<0.1	18	103		R2 T 12-70524		0.4	197	250	
R2 T 12-70392		<0.1	12	80		R2 T 12-70525		0.3	156	238	
R2 T 12-70393		<0.1	11	66		R2 T 12-70526		0.2	138	144	
R2 T 12-70394		<0.1	15	195		R2 T 12-70527		<0.1	35	105	TRENCH 14
R2 T 12-70395		<0.1	12	81		R2 T 12-70528		<0.1	51	108	
R2 T 12-70396		<0.1	13	57		R2 T 12-70529		<0.1	68	257	
R2 T 12-70397		<0.1	56	279		R2 T 12-70530		0.3	62	642	
R2 T 12-70398		<0.1	15	43		R2 T 12-70531		0.2	30	321	
R2 T 12-70399		<0.1	11	27		R2 T 12-70532		0.1	23	153	
R2 T 12-70400		<0.1	27	52		R2 T 12-70533		0.1	24	80	
R2 T 12-70401		<0.1	165	376		R2 T 12-70534		0.1	20	116	
R2 T 12-70402		<0.1	69	121		R2 T 12-70535		0.2	73	298	
R2 T 12-70403		0.5	269	744		R2 T 12-70536		<0.1	17	61	
R2 T 12-70404		0.5	185	665		R2 T 12-70537		0.5	33	146	
R2 T 12-70405		0.2	156	420		R2 T 12-70538		<0.1	22	84	
R2 T 12-70406		0.6	313	798		R2 T 12-70539		0.2	73	135	
R2 T 12-70407		0.2	165	522		R2 T 12-70540		0.1	46	109	
R2 T 12-70408		0.8	359	769		R2 T 12-70541		1.7	379	940	
R2 T 12-70409		0.8	383	683		R2 T 12-70542		<0.1	17	54	TRENCH 15
R2 T 12-70410		0.2	156	420		R2 T 12-70543		<0.1	11	42	
R2 T 12-70411		<0.1	88	125		R2 T 12-70544		<0.1	9	34	
R2 T 12-70505		0.1	13	88		R2 T 12-70545		<0.1	9	38	
R2 T 12-70506		<0.1	13	42		R2 T 12-70546		<0.1	9	25	

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM		SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Pb PPM	Zn PPM
R2 T 12-70547		<0.1	11	35						
R2 T 12-70548		<0.1	74	43	T					
R2 T 12-70549		<0.1	180	95	R					
R2 T 12-70550		<0.1	184	176	E					
R2 T 12-70551		<0.1	213	212	N					
					C					
R2 T 12-70552		<0.1	93	96	H					
R2 T 12-70553		<0.1	512	295						
R2 T 12-70554		<0.1	291	356						
R2 T 12-70555		<0.1	40	80	14					
R2 T 12-70556		<0.1	22	41						
					R					
R2 T 12-70557		<0.1	18	27	O					
R2 T 12-70558		<0.1	12	117	C					
R2 T 12-70559		<0.1	13	103	K					
R2 T 12-70560		<0.1	21	193	S					
R2 T 12-70561		<0.1	23	175						
R2 T 12-70562		<0.1	12	117						
R2 T 12-70563		<0.1	20	267						
R2 T 12-70564		<0.1	17	245						
R2 T 12-70565		<0.1	8	182						

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SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	Zn PCT	SAMPLE DEPTH (cm)
S1 T 13-TR4 131A		1.36		10.30
S1 T 13-TR4 138A			2.47	7.50
S1 T 13-TR4 139A			2.86	8.50
S1 T 13-TR15 90A			1.99	280
S1 T 13-TR16 10A			3.82	75

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM
R2 T 13-70635		46
R2 T 13-70636		42
R2 T 13-70638		85

TRENCH 18 ROCKS

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SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	Zn PCT
R2 T 13-70620		1.88	4.16
R2 T 13-70621		1.76	5.98

TRENCH 16 ROCKS

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PROJECT: TTM PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)
S1 T 13-TR4 129A		19.7		226	6440	820
T 13-TR4 130A		0.8		173	1069	950
T 13-TR4 131A		8.4		>10000	16120	1030
S1 T 13-TR4 132A		11.4		1100	6710	1020
S1 T 13-TR4 133A		16.4		863	5950	1000
T 13-TR4 134A		12.8		430	9620	920
S1 T 13-TR4 135A		8.7		3540	15860	880
T 13-TR4 136A		6.3		1580	18900	840
T 13-TR4 137A		9.5		6810	8000	770
S1 T 13-TR4 138A		7.8		4390	>20000	750
T 13-TR4 139A		10.6		2840	>20000	850
T 13-TR4 139.50A		8.0		2130	17310	850
S1 T 13-TR8 0A		1.1		202	358	90
T 13-TR8 10A		3.0		296	535	50
T 13-TR8 20A		0.1		118	205	235
T 13-TR8 30A		0.3		344	531	330
T 13-TR8 40A		0.2		352	534	420
S1 T 13-TR8 50A		0.4		278	410	575
S1 T 13-TR8 60A		0.2		210	362	620
T 13-TR8 70A		0.2		199	349	270
S1 T 13-TR8 80A		0.2		184	386	210
T 13-TR8 90A		0.9		442	527	240
T 13-TR8 100A		0.8		373	558	160
S1 T 13-TR8 110A		0.3		269	422	180
T 13-TR8 120A		0.3		289	479	210
S1 T 13-TR8 130A		0.4		303	550	350
S1 T 13-TR8 140A		0.6		338	587	170
T 13-TR8 150A		0.4		351	567	120
T 13-TR8 160A		0.7		334	667	210
S1 T 13-TR8 170A		0.3		248	416	350
T 13-TR8 180A		0.3		280	436	420
S1 T 13-TR11 0A		1.2		1350	1626	600
S1 T 13-TR11 10A		0.8		1050	1197	350
T 13-TR11 20A		1.2		4090	2085	400
S1 T 13-TR11 30A		0.5		544	642	520
T 13-TR11 40A		0.2		2000	1113	900
T 13-TR11 50A		1.5		1450	814	800
S1 T 13-TR11 76A		1.3		728	666	0
S1 T 13-TR11 76B		1.6		2440	834	300
T 13-TR11 76C		0.6		1534	637	400

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)
S1 T 13-TR11 76D		0.7		857	492	500
S1 T 13-TR11 76F		1.1		2500	800	600
S1 T 13-TR11 76F		0.3		715	408	700
S1 T 13-TR11 76G		0.2		397	250	800
S1 T 13-TR11 76H		0.4		652	346	900
S1 T 13-TR11 76I		0.1		125	185	1000
S1 T 13-TR11 121A		1.7		1569	600	0
S1 T 13-TR11 121B		0.7		757	410	100
S1 T 13-TR11 121C		0.6		754	407	200
S1 T 13-TR11 121D		0.8		782	444	300
S1 T 13-TR11 121E		0.8		779	465	400
S1 T 13-TR11 121F		0.2		387	288	500
S1 T 13-TR11 121G		0.4		738	431	600
S1 T 13-TR11 121H		0.7		900	460	700
S1 T 13-TR11 121I		0.6		815	443	800
S1 T 13-TR11 121J		0.7		808	415	900
S1 T 13-TR11 121K		0.3		249	249	1000
S1 T 13-TR11 121L		0.2		207	228	1100
S1 T 13-TR11 170A		0.8		397	235	0
S1 T 13-TR11 170B		0.5		823	329	100
S1 T 13-TR11 170C		0.4		563	343	200
S1 T 13-TR11 170D		0.3		576	284	300
S1 T 13-TR11 170E		1.6		2930	903	400
S1 T 13-TR11 170F		1.8		2350	794	500
S1 T 13-TR11 170G		0.3		492	307	600
S1 T 13-TR11 170H		0.4		711	301	700
S1 T 13-TR11 170I		0.2		330	303	800
S1 T 13-TR11 170J		0.4		391	275	900
S1 T 13-TR11 170K		0.3		462	247	1000
S1 T 13-TR13 0A		0.1		75	260	220
S1 T 13-TR13 10A		0.2		107	332	310
S1 T 13-TR13 20A		0.6		245	627	270
S1 T 13-TR13 30A		0.4		170	689	230
S1 T 13-TR13 40A		1.2		1379	3680	220
S1 T 13-TR13 50A		1.6		909	1630	25
S1 T 13-TR13 60A		5.3		610	1451	30
S1 T 13-TR13 70A		1.0		818	1368	240
S1 T 13-TR13 80A		3.1		796	1194	120
S1 T 13-TR13 90A		2.8		1100	1495	190
S1 T 13-TR13 100A		2.9		1000	1969	240

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)
T 13-TR13 110A		2.5		1000	1890	230	S1 T 13-TR16 80A		4.2		746	1818	30
T 13-TR13 120A		1.4		751	1534	230	S1 T 13-TR16 90A		4.1		874	3020	55
T 13-TR14 0A		1.6		237	453	15	S1 T 13-TR16 100A		1.4		338	1800	40
T 13-TR14 10A		1.5		425	993	70	S1 T 13-TR16 110A		4.4		837	3030	30
T 13-TR14 20A		2.9		479	1153	50	S1 T 13-TR17 0A		0.3		54	134	0
T 13-TR14 30A		0.9		220	502	10	S1 T 13-TR17 0B		0.2		25	88	200
T 13-TR14 40A		1.4		223	588	50	S1 T 13-TR17 0C		<0.1		21	83	300
T 13-TR14 50A		1.5		608	1110	50	S1 T 13-TR17 0D		0.1		19	90	400
T 13-TR14 60A		2.2		614	1062	70	S1 T 13-TR17 0F		0.1		23	93	500
T 13-TR14 70A		1.6		311	559	60	S1 T 13-TR17 0F		<0.1		20	98	600
T 13-TR14 80A		1.5		443	832	10	S1 T 13-TR17 0G		0.1		25	98	700
T 13-TR14 90A		1.4		453	795	90	S1 T 13-TR17 34A		0.1		22	103	0
T 13-TR14 100A		1.6		298	555	90	S1 T 13-TR17 34B		<0.1		15	84	100
T 13-TR14 110A		1.3		836	1246	80	S1 T 13-TR17 34C		<0.1		21	91	200
T 13-TR14 120A		1.7		310	1106	50	S1 T 13-TR17 34D		<0.1		18	83	300
T 13-TR14 130A		1.6		247	865	70	S1 T 13-TR17 34E		<0.1		22	91	400
T 13-TR14 140A		1.1		298	509	90	S1 T 13-TR17 34F		0.1		43	110	500
T 13-TR15 0A		0.8		146	140	75	S1 T 13-TR17 34G		<0.1		43	109	550
T 13-TR15 10A		0.5		177	144	60	S1 T 13-TR17 78A		<0.1		18	91	0
T 13-TR15 20A		0.2		125	147	80	S1 T 13-TR17 78B		<0.1		19	94	100
T 13-TR15 30A		0.4		422	543	60	S1 T 13-TR17 78C		<0.1		17	82	200
T 13-TR15 40A		0.8		105	374	40	S1 T 13-TR17 78D		<0.1		21	80	300
T 13-TR15 50A		0.4		126	302	140	S1 T 13-TR17 78F		<0.1		18	79	400
T 13-TR15 60A		0.4		132	184	50	S1 T 13-TR17 78F		<0.1		22	92	500
T 13-TR15 70A		0.7		207	626	250	S1 T 13-TR17 78G		0.1		23	88	600
T 13-TR15 80A		1.7		285	1088	225	S1 T 13-TR17 169A		<0.1		32	90	0
T 13-TR15 90A		11.5		7680	>20000	280	S1 T 13-TR17 169B		<0.1		21	87	200
T 13-TR15 100A		1.2		228	339	155	S1 T 13-TR17 169C		<0.1		42	109	300
T 13-TR15 110A		1.4		338	1324	45	S1 T 13-TR17 169D		<0.1		26	80	400
T 13-TR15 120A		2.6		2820	4660	350	S1 T 13-TR17 169E		<0.1		25	84	500
T 13-TR15 130A		1.2		1710	1880	360	S1 T 13-TR17 201A		<0.1		30	97	200
T 13-TR15 140A		1.3		869	2008	350	S1 T 13-TR17 201B		<0.1		65	132	300
T 13-TR16 0A		5.4		3060	12070	30	S1 T 13-TR17 254A		0.2		134	168	0
T 13-TR16 10A		15.3		5750	>20000	75	S1 T 13-TR17 254B		0.1		38	88	300
T 13-TR16 20A		1.9		602	2160	30	S1 T 13-TR17 254C		0.1		38	98	400
T 13-TR16 30A		0.9		506	1843	25	S1 T 13-TR17 254D		0.1		40	109	500
T 13-TR16 40A		3.1		873	1361	30	S1 T 13-TR17 254F		<0.1		21	77	600
T 13-TR16 50A		4.9		1440	11190	70	S1 T 13-TR17 254F		<0.1		17	76	700
T 13-TR16 60A		2.3		573	4210	65	S1 T 13-TR17 299A		0.4		312	514	0
T 13-TR16 70A		2.5		911	2560	15	S1 T 13-TR17 299B		<0.1		19	81	400

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM
R2 T 13-70627		3.8		64	111						
T 13-70628		7.9		122	476	T					
T 13-70629		4.9		54	17	R					
R2 T 13-70630		2.7		81	19	E					
R2 T 13-70631		2.3		159	25	N					
T 13-70632		1.4		365	328	C H					
R2 T 13-70633		1.2		170	399						
T 13-70634		0.9		84	17						
T 13-70635		0.6		63	27	18					
R2 T 13-70636		0.4		62	23						
T 13-70637		0.7		57	21	R O					
R2 T 13-70638		0.7		43	56	C K					
R2 T 13-70639		0.6		58	94	S					

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	SAMPLE DEPTH (cm)	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	
S1	T 13-TR17 299C	<0.1		50	113	500	R2 T 13-70584		1.7		1330	1427	
	T 13-TR17 340A	0.4		436	754	0	R2 T 13-70585		0.1		249	400	
	T 13-TR17 340B	0.2		109	211	100	R2 T 13-70586		0.9		313	789	TRENCH
S1	T 13-TR17 340C	<0.1		26	90	200	R2 T 13-70587		<0.1		101	173	
	T 13-TR17 340D	0.1		34	99	300	R2 T 13-70588		<0.1		74	147	
S1	T 13-TR17 340F	<0.1		44	108	400	R2 T 13-70589		<0.1		26	47	
S1	T 13-TR17 340F	<0.1		23	79	500	R2 T 13-70590		<0.1		21	86	
	T 13-TR17 340G	<0.1		19	79	600	R2 T 13-70591		<0.1		14	26	
	T 13-TR17 340H	<0.1		19	76	700	R2 T 13-70592		<0.1		16	47	
S1	T 13-TR17 340T	<0.1		18	83	800	R2 T 13-70593		<0.1		14	32	15
	T 13-TR17 376A	0.1		93	204	0	R2 T 13-70594		<0.1		11	15	
S1	T 13-TR17 376B	<0.1		19	80	200	R2 T 13-70595		<0.1		23	104	ROCKS
	T 13-TR17 376C	<0.1		20	72	300	R2 T 13-70596		<0.1		15	60	
	T 13-TR17 376D	<0.1		24	79	400	R2 T 13-70597		<0.1		16	42	
S1	T 13-TR17 376E	<0.1		19	82	500	R2 T 13-70598		<0.1	3940	26	75	
	T 13-TR17 376F	<0.1		22	80	600	R2 T 13-70599		<0.1	3770	27	98	
	T 13-TR17 416A	0.2		49	142	0	R2 T 13-70600		0.2		83	106	
S1	T 13-TR17 416B	0.1		27	94	150	R2 T 13-70601		0.1		51	131	
	T 13-TR17 416C	0.1		24	94	200	R2 T 13-70602		0.5		19	317	
	T 13-TR17 416D	<0.1		21	80	300	R2 T 13-70603		0.6		12	220	
S1	T 13-TR17 416E	<0.1		17	87	400	R2 T 13-70604		0.4		15	22	
	T 13-TR17 416F	<0.1		15	81	500	R2 T 13-70605		1.9		213	135	
S2	T 13-70566	0.1		492	602		R2 T 13-70606		1.0		47	207	
R2	T 13-70567	<0.1		33	37		R2 T 13-70607		1.7		49	590	
	T 13-70568	<0.1		204	378		R2 T 13-70608		0.4		29	113	
R2	T 13-70569	<0.1		834	507		R2 T 13-70609		0.8		78	231	
	T 13-70570	<0.1		347	1036		R2 T 13-70610		5.3		265	582	
	T 13-70571	<0.1		84	684		R2 T 13-70613		4.1		352	605	
R2	T 13-70572	<0.1		49	116		R2 T 13-70614		0.6		70	316	TRENCH
R2	T 13-70573	<0.1		85	276		R2 T 13-70615		1.8		387	640	
	T 13-70574	<0.1		88	170		R2 T 13-70616		0.9		254	689	
R2	T 13-70575	<0.1		44	523		R2 T 13-70617		<0.1		35	83	
	T 13-70576	<0.1		70	308		R2 T 13-70618		<0.1		60	210	
	T 13-70577	0.1		61	218		R2 T 13-70619		13.4		3190	5470	
R2	T 13-70578	<0.1		25	16	TRENCH	R2 T 13-70620		13.3		>10000	>20000	16
	T 13-70579	<0.1		16	12		R2 T 13-70621		13.1		>10000	>20000	
	T 13-70580	<0.1		14	9		R2 T 13-70622		2.8		1600	17780	ROCKS
S2	T 13-70581	<0.1		12	12		R2 T 13-70623		1.1		372	1125	
	T 13-70582	<0.1		10	9		R2 T 13-70624		1.4		164	711	
	T 13-70583	<0.1		13	14		R2 T 13-70625		<0.1		22	160	

PACIFIC GEOPHYSICAL LIMITED

REPORT ON THE

INDUCED POLARIZATION AND RESISTIVITY SURVEY

ON THE

TIM PROPERTY

WATSON LAKE MINING DISTRICT, YUKON

FOR

CORDILLERAN ENGINEERING LIMITED

LATITUDE 60° 03' LONGITUDE 130° 05'

NTS: 105B/1

OWNER: FAIRFIELD MINERALS LTD.

OPTION: CHEVRON MINERALS LTD.

OPERATOR: CORDILLERAN ENGINEERING LTD.

BY

PAUL A. CARTWRIGHT, P.Geoph.
Geophysicist

DATED: January 6, 1989

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PART B ILLUSTRATIONS

Location Map . . . . . Figure 1

Claim Map . . . . . Figure 2

Plan Map (in pocket) . . . . . Dwg. No. IPP-3017

IP Data Plots (pseudosections) Dwg. Nos. IP-5896-1 to -18

PART A REPORT

1. INTRODUCTION

An Induced Polarization (IP) and resistivity survey has been completed on the Tim Property, Watson Lake Mining District, Yukon, on behalf of Cordilleran Engineering Ltd., property managers for Chevron Minerals Ltd., who hold the property under option from the owners, Fairfield Minerals Ltd.

The property is located approximately 72 kilometers west of Watson Lake, Yukon. Access is via the Alaska Highway to Mile 701, then south to kilometer 18.8 and thence onto another unimproved road to the property.

Previous work on the property was completed in 1983, 1984 and 1986 and included stream sediment and soil sampling, line cutting and geological mapping. A total of 18 trenches totalling 2712 linear meters were completed in 1988.

The objective of the present IP and resistivity survey was to detect metallic mineralization thought to be associated with zinc, lead and silver deposits.

A Phoenix Model IPV-1 induced polarization and resistivity receiver unit was used in conjunction with a Phoenix Model IPT-1 IP and resistivity transmitter powered by a 1.0 kw motor generator. IP effect is recorded directly as Percent Frequency Effect (PFE) at the transmitted frequencies of

4.0 hz and 0.25 hz. Apparent resistivity values are normalized in units of ohm-meters, while metal factor values are calculated according to the following formula: (PFE x 1000/app.res.). Dipole-dipole array was utilized to make all of the IP measurements. Interelectrode spacings of 100 meters, 50 meters, and 25 meters were used, with four dipole separations being measured in all cases.

Field work was carried out between August 5, 1988 and August 19, 1988 under the supervision of Mr. Kevin Corman, geophysical crew leader. His certificate of qualifications is included with this report.

2. DESCRIPTION OF CLAIMS

The Tim Property consists of 98 Quartz Mineral Claims located in the Watson Lake Mining District, Yukon.

Claim No.	Record No.	Expiry Dates
Tim 47-60	YA 70459 - YA 70472	December 31, 1992
Tim 69-82	YA 70481 - YA 70494	December 31, 1992
Tim 91-100	YA 70503 - YA 70512	December 31, 1992
Tim 111-120	YA 70523 - YA 70532	December 31, 1992
Tim 131-140	YA 70543 - YA 70552	December 31, 1992
Tim 161-200	YA 91101 - YA 91140	December 31, 1993

Chevron Minerals Ltd. currently holds the claims under option from Fairfield Minerals Ltd.

3. DESCRIPTION OF GEOLOGY

The following geologic description of the property has been provided by the staff of Cordilleran Engineering Ltd.:

> "The Tim Property is underlain by a northwest trending, fold-repeated sequence of Lower Cambrian or earlier to Silurian sedimentary rocks. A northwest trending fault separates this sequence from younger Devono-Mississippian sediments to the west. Outcrop is restricted to a few resistant weathering knobs and bluffs. Lithologies found on the property include limestone, which is the dominant map unit on the property, quartzite, siltstone and phyllite. Overburden thickness in the trenched area ranged from less than 1.0 meter in areas of steep relief to thicknesses in excess of 8.0 meters.
>
> Mineralization on the property consists of manganese and iron oxides found near the contact between a limestone and a phyllite unit or well into the limestone unit. A northwest trending oxide zone that is up to 30 meters wide and has a strike length of at least 400 meters is found in the northwestern portion of the property. Two smaller 2 and 5 meter wide oxide zones with unknown strike lengths are found in the northern and southern portions of the property."

4. PRESENTATION OF DATA

The IP and resistivity results are shown on the following data plots in the pseudosection format:

Line	Electrode Interval	Dwg. No.
4000W	100 meters	5896-1
4000W	50 meters	5896-2
4000W	25 meters	5896-3
3800W	100 meters	5896-4
3800W	25 meters	5896-5
3600W	100 meters	5896-6
3400W	100 meters	5896-7
3400W	50 meters	5896-8
3400W	25 meters	5896-9
3200W	100 meters	5896-10
3000W	100 meters	5896-11
2800W	100 meters	5896-12
2800W	25 meters	5896-13
2600W	100 meters	5896-14
2400W	100 meters	5896-15
1600W	50 meters	5896-16
6800N	100 meters	5896-17
5600N	100 meters	5896-18

Also enclosed with this report is plan map Dwg. No. IPP-3017, a 1:5000 scale plan map of the Tim grid. The definite, probable and possible induced polarization anomalies are indicated by bars, in the manner shown on the plan map

legend, as well as on the pseudosection data plots. These bars represent the surface projections of the anomalous zones as interpreted from the transmitter and receiver electrode locations when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, it is often difficult to exactly pinpoint the anomaly's source. Therefore, while the anomaly's center probably corresponds fairly well with the source location, the anomaly's length along the line should not be taken to represent the exact edges of the anomalous material.

5. DISCUSSION OF RESULTS

Three separate zones of anomalous IP effects are interpreted in the data recorded on the Tim Property geophysical grid, and are discussed below.

Zone A

The western part of Zone A is the most interesting feature indicated by the present induced polarization survey, in that it appears to correlate with the northwest trending oxide zone exposed by trenching. This portion of IP Zone A is well outlined by the 100 meter dipole reconnaissance measurements, due to the apparently substantial depth of burial of the polarizable source.

Data recorded over Zone A on Line 3400W using 50 meter dipole lengths suggests a source buried approximately 75 meters beneath the surface. The oxide mineralization mapped in the vicinity of Station 7000N near Line 3400W does not appear to give rise to anomalous IP effects, however, a well defined area of lower than background resistivity values is noted in the 25 meter data measured between Station 6900N and Station 7000N. Oxide mineralization could cause such a signature, particularly if accompanied by a barren fault structure. While metallic sulphide mineralization located beneath the oxide material may be the cause of the deep seated IP anomalies, it is also possible that a buried upward fold of the carbonaceous phyllites mapped on the southwestern portion of the property is responsible for the anomalous IP effects.

The eastern extremity of Zone A is characterized by lower magnitude IP effects caused by a source lying well within 100 meters of the surface.

Zone B

The highest magnitude IP effects and lowest apparent resistivity values recorded during the survey are evident in the data measured over the western end of IP Zone B. Highly conductive and polarizable phyllites are mapped in the region of Zone B, and are almost certainly the primary source of the anomalous geophysical response.

As was mentioned previously, it may be that IP Zone A is caused by this same phyllite unit that is thought to give rise to IP Zone B.

Zone C

This weakly anomalous, northwesterly trending feature is indicated by the data recorded in the southeastern corner of the grid area. The geometry of the source is somewhat uncertain due to the relatively large dipole lengths (100 meters) used to survey the zone; however, one can say that the source is less than 100 meters in width and depth.

6. SUMMARY AND RECOMMENDATIONS

An induced polarization and resistivity survey has been completed on the Tim Property, Watson Lake Mining District, Yukon, on behalf of Cordilleran Engineering Ltd.

Three anomalous IP zones are interpreted in the data.

Zone A correlates well with the known northwest trending oxide zone, and drill testing is recommended. A drill hole located so as to pass at least 125 meters beneath Line 3400W, Station 6975N is suggested. Depending on results, other drilling could then be planned.

Zone B is probably caused by carbonaceous phyllites and further work is not recommended at this point.

Zone C is caused by a source of unknown origin. Additional work should take the form of detailed IP surveying to better define the target before drilling is considered.

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.

Geophysicist

Dated: January 6, 1989

7. ASSESSMENT DETAILS

Property: Tim

Mining District: Watson Lake, Yukon

Sponsor: Cordilleran Engineering Ltd.

Location: 72 km. W. of Watson Lake, Yukon

Type of Survey: Induced Polarization and Resistivity

Operating Man Days:	42.0	**Date Started:**	August 5, 1988
Consulting Man Days:	6.0	**Date Finished:**	August 19, 1988
Drafting Man Days:	4.0	**Number of Stations:**	310
Total Man Days:	52.0	**Number of Readings:**	1744
		Km. of Line Surveyed:	19.075

Consultants:

P.A. Cartwright, 4238 West 11th Avenue, Vancouver, B.C.

Field Technicians:

K. Corman, 5711 No. 2 Road, Richmond, B.C.
C. Corman, 5711 No. 2 Road, Richmond, B.C.
J. Twomey, 2298 - 130 A Street, White Rock, B.C.
M. Cosens, 1706 Christmas Ave., Victoria, B.C.

Draughtsman:

G.D. Lockhart, 5304 Somerville St., Vancouver, B.C.

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.
Geophysicist

Dated: January 6, 1989

8. STATEMENT OF COSTS

Cordilleran Engineering Ltd.

Induced Polarization and Resistivity Survey - Tim Property, Watson Lake Mining Division, Yukon Territory

Period: August 5, 1988 to August 19, 1988

Crew: K. Corman, C. Corman, J. Twomey, M. Cosens

Operating Days:	14.0 @ $925.00/day	$12,950.00
Travel Days:	0.5 @ $575.00/day	287.50
Mobilization/Demobilization	$4400.00/2	2,200.00
	TOTAL	$15,437.50

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.
Geophysicist

Dated: January 6, 1989

9. 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 W. 11th Avenue, Vancouver, B.C.

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 practising my profession for 18 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 Cordilleran Engineering Ltd., Fairfield Minerals Ltd., Chevron Minerals 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 6th day of January, 1989.

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.

10. CERTIFICATE

I, Kevin Corman, of the City of Richmond, Province of British Columbia, do hereby certify:

1. I am a 4th year student of Laval University, Quebec, P.Q.

2. I have been employed as a geophysical crew assistant by Phoenix Geophysics Limited, 200 Yorkland Blvd., Willowdale, Ontario, for a period of 4 years.

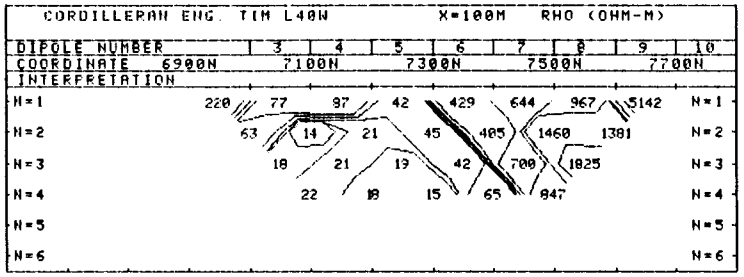
3. I have been employed as a geophysical crew leader by Pacific Geophysical Ltd., 744 West Hastings Street, Vancouver, B.C., for two years.

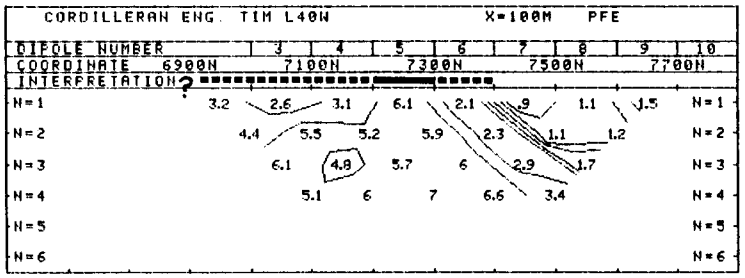
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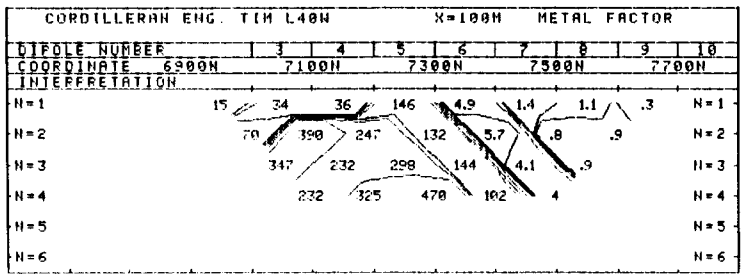
Kevin Corman

Kevin Corman

DWG. NO. -I.P-5896-1





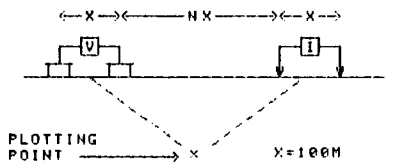


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D./YUKON

LINE NO.-40+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED AUGUST 1988

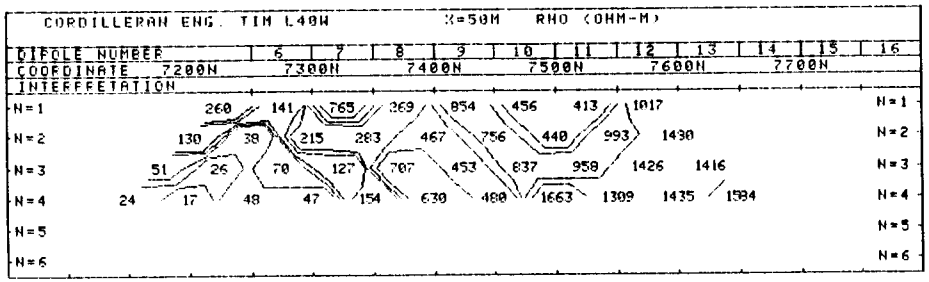
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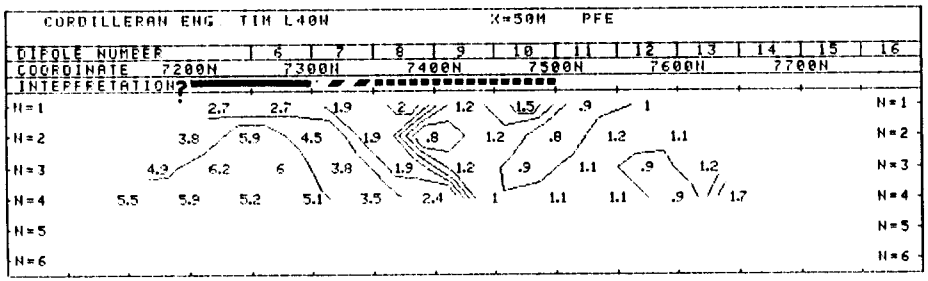
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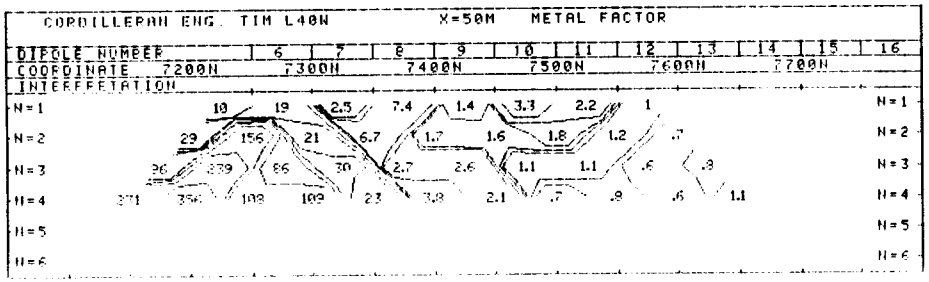
DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







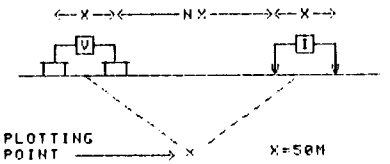
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CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO.-40+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

PAC

DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

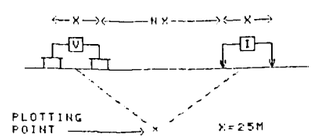
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CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO. -40+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

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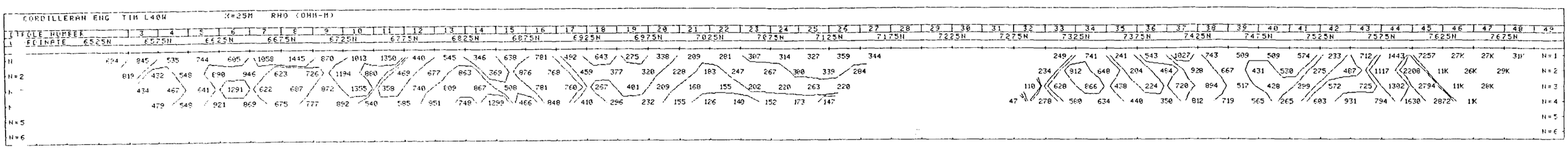
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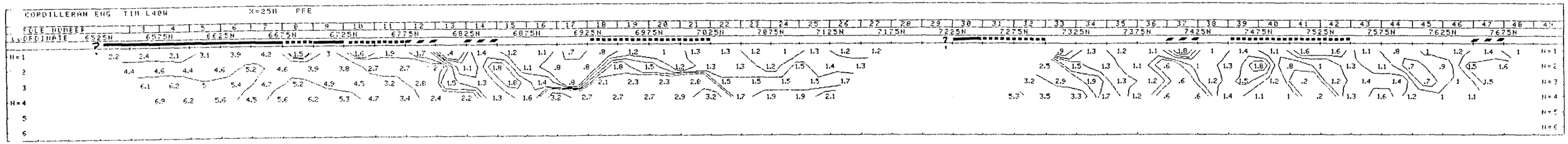
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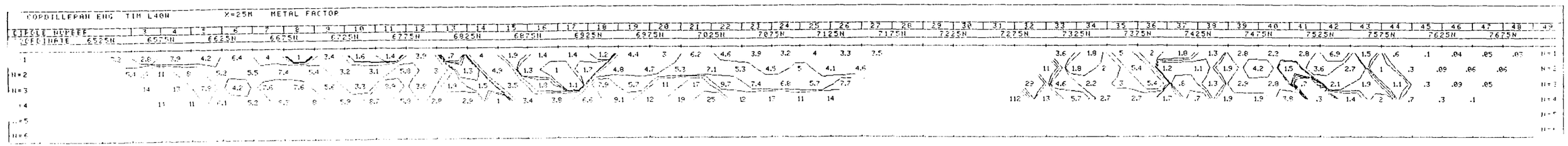
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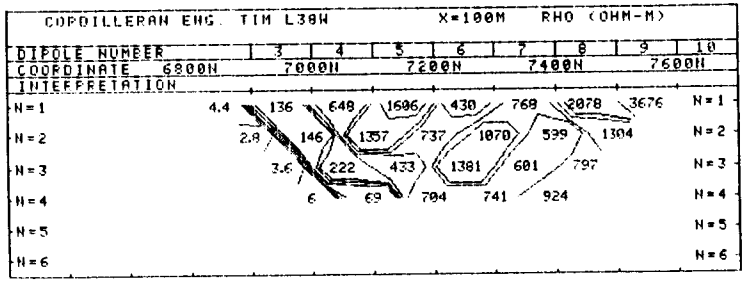
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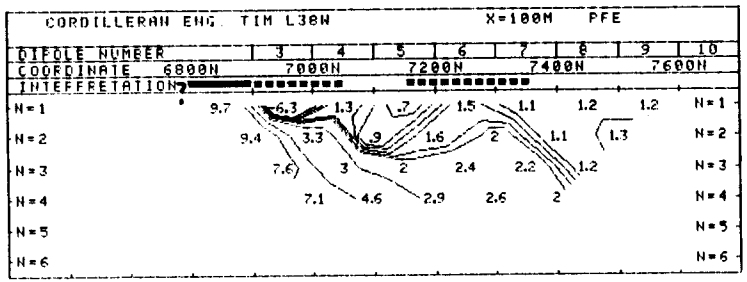


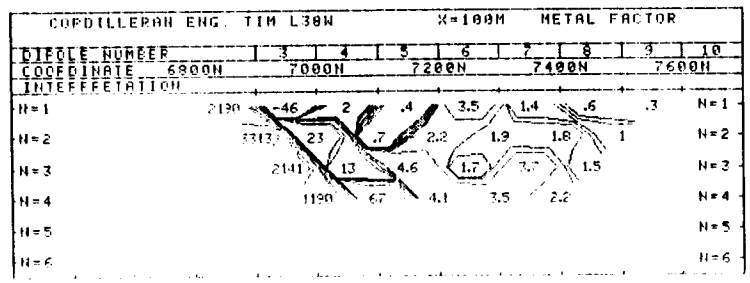




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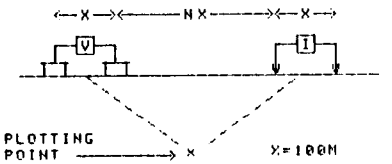


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO. -38+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

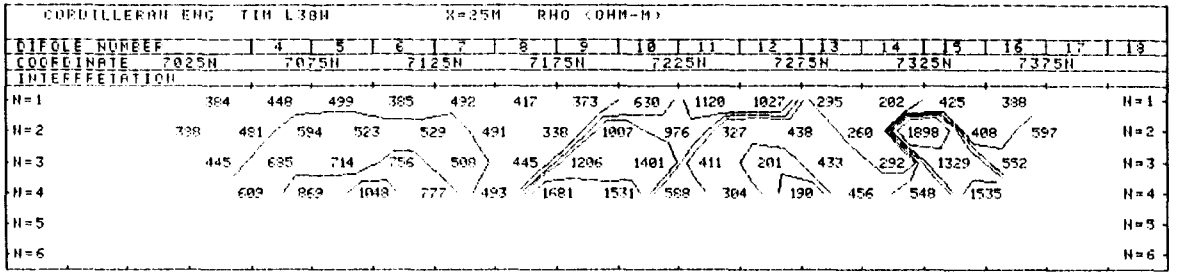
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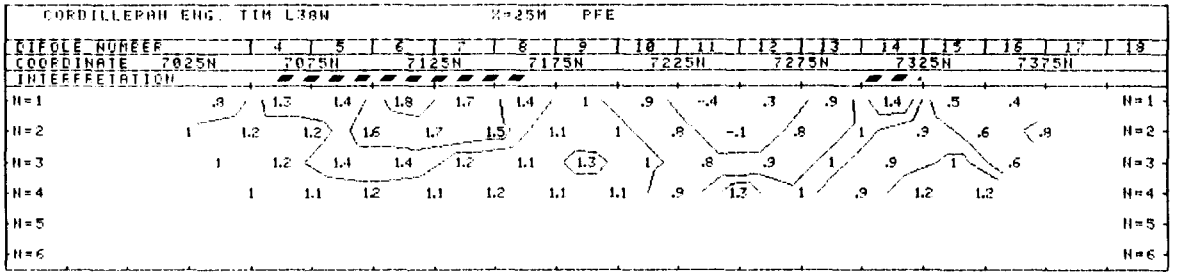
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APPROVED
PAC
DATE Dec 08/88

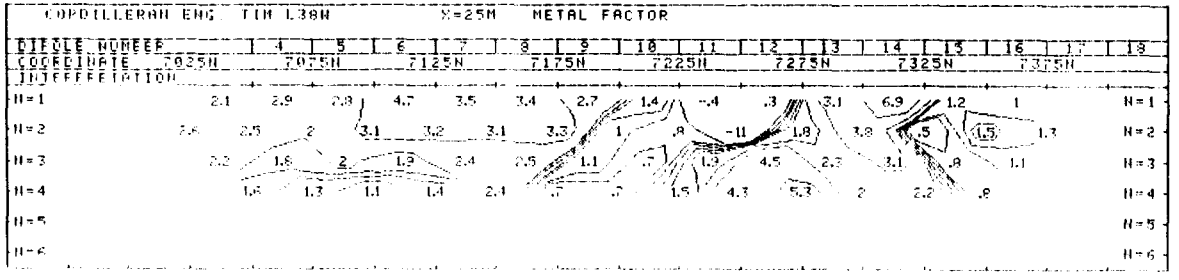
PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

DWG. NO -I P-5896-5





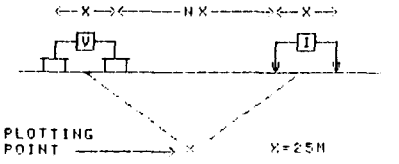


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D., YUKON

LINE NO. -39+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

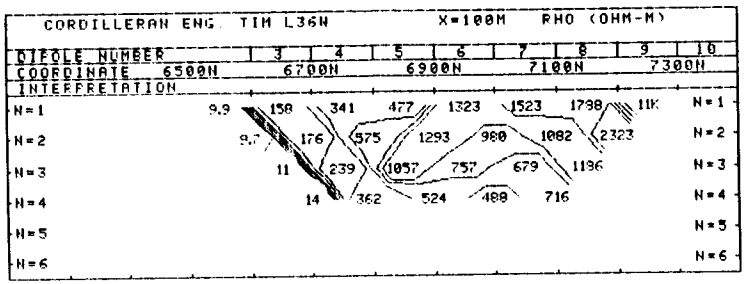
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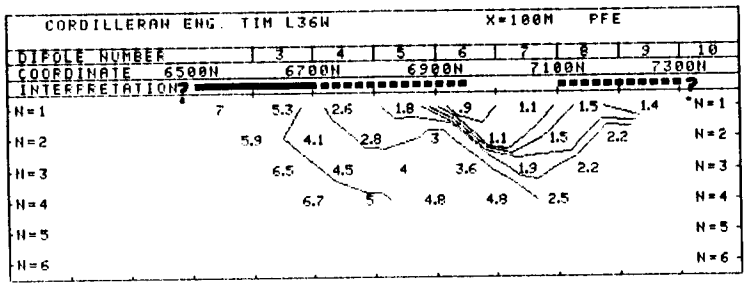
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APPROVED
PAC
DATE Dec 08/88

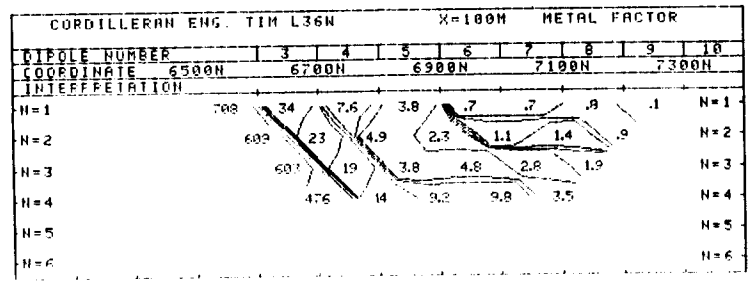
PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

DWG NO. -I.P.-5896-6





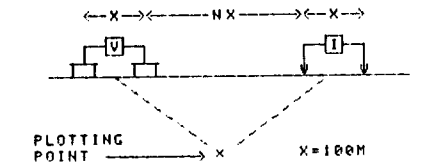


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D.; YUKON

LINE NO. -36+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED AUGUST 1988

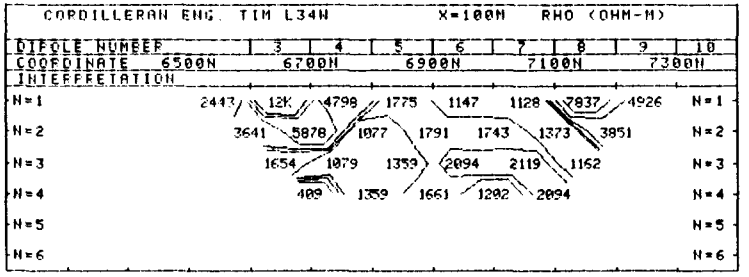
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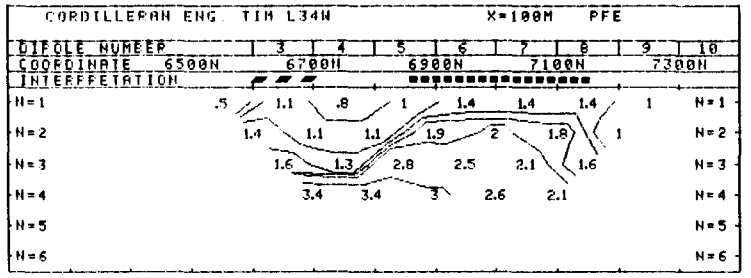
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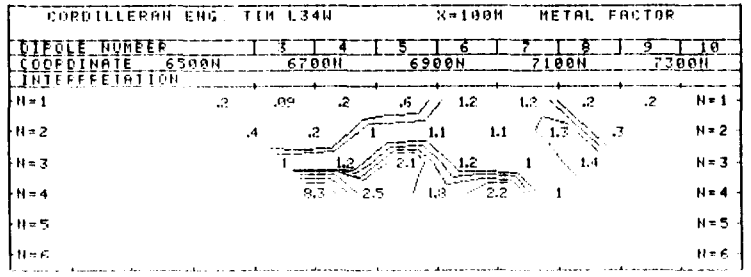
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PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







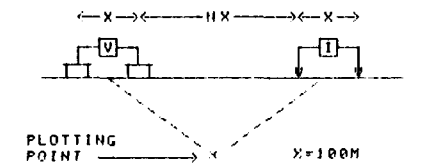
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CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D.,YUKON

LINE NO.-34+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

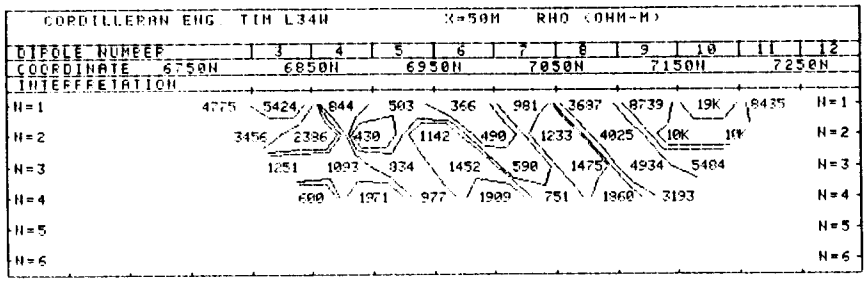
FREQUENCY (HERTZ)
4.0/0.25

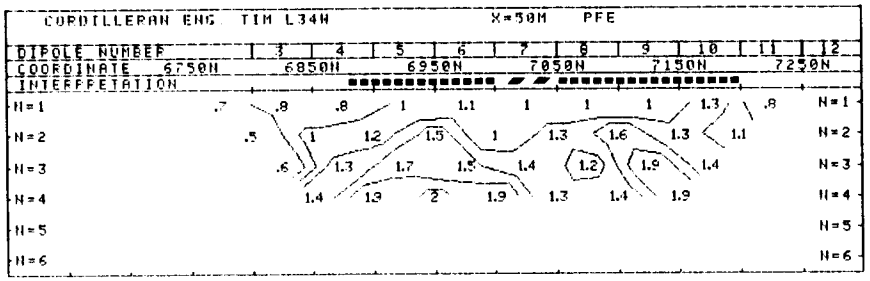
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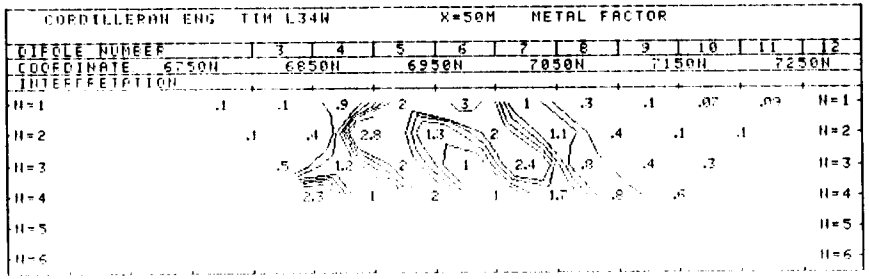
DATE SURVEYED AUGUST 1988
APPROVED
PAC
DATE Dec 20/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







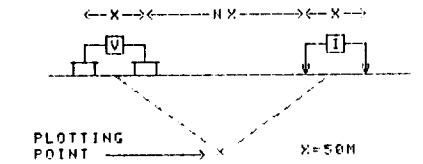
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CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO. -34+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

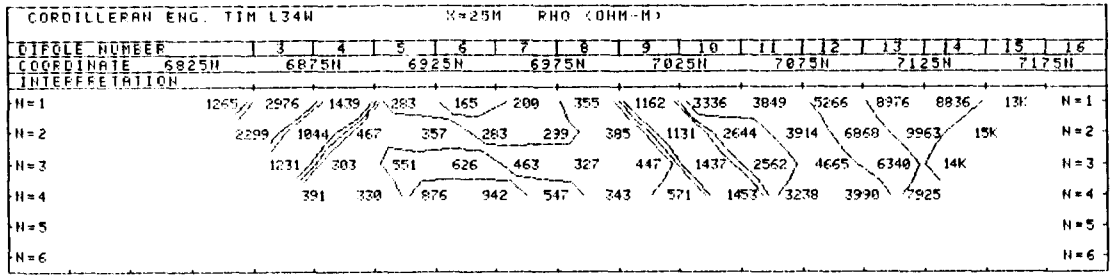
PAC

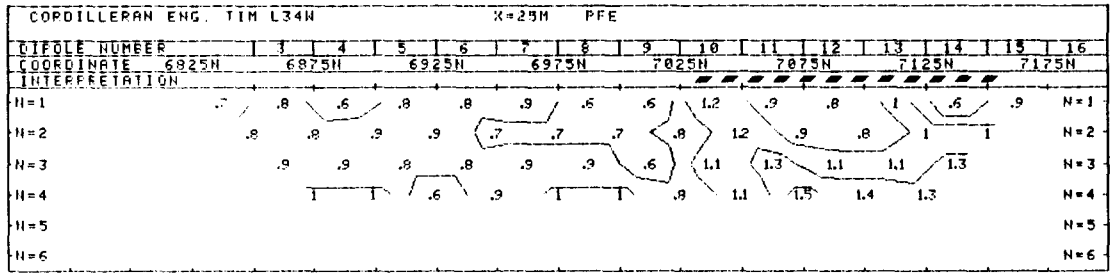
DATE Dec 08/88

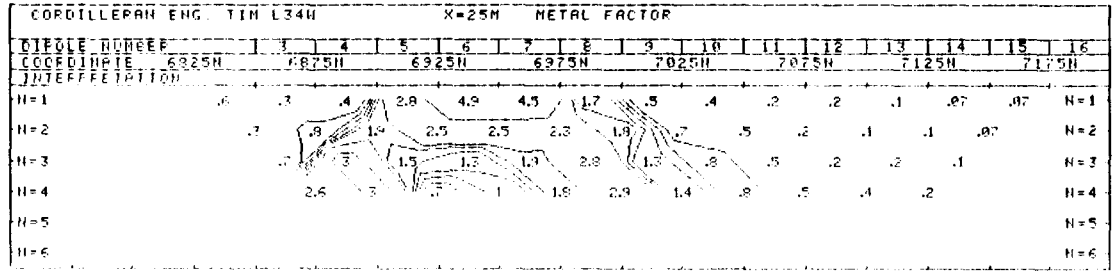
PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

DWG. NO. -I.P.-5896-9





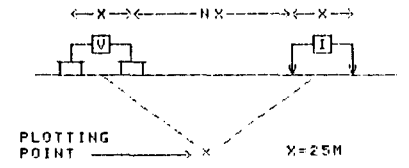


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D.: YUKON

LINE NO. -34+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

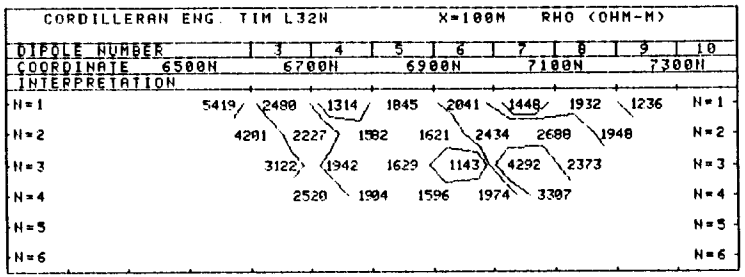
PAC

DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

DWG. NO.-I.P.-5896-10

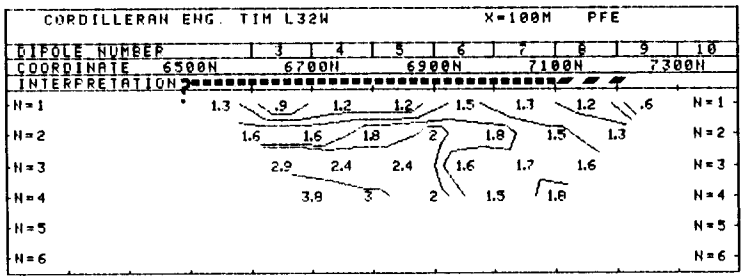


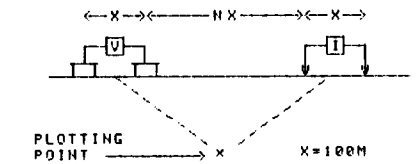
CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D., YUKON

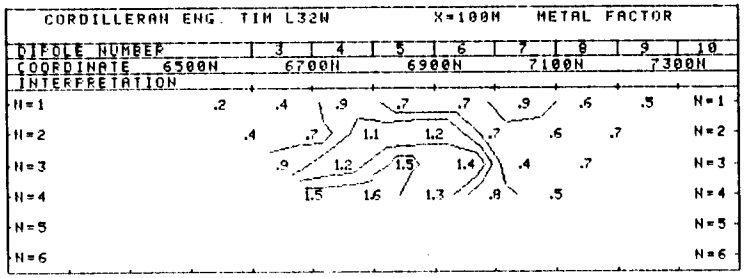
LINE NO.-32+00W





SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE



FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

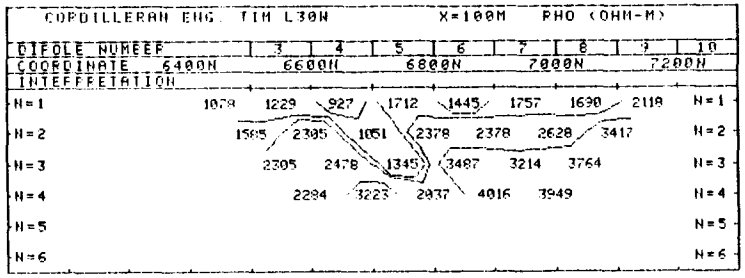
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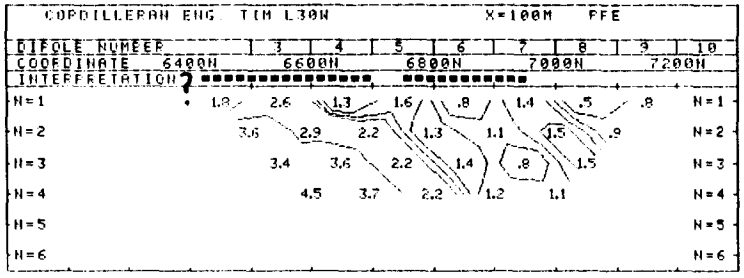
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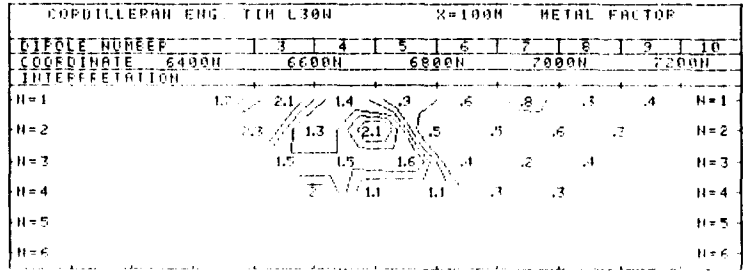
PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY

DWG NO. -I P-5896-11





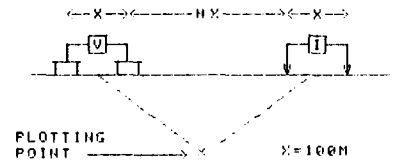


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. /YUKON

LINE NO. -30+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

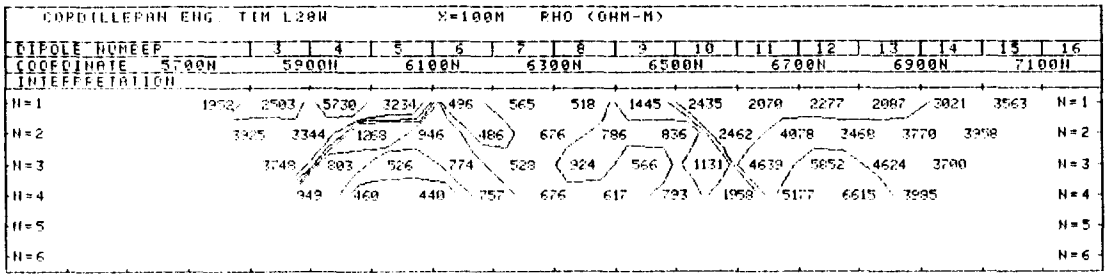
DATE SURVEYED: AUGUST 1988
APPROVED

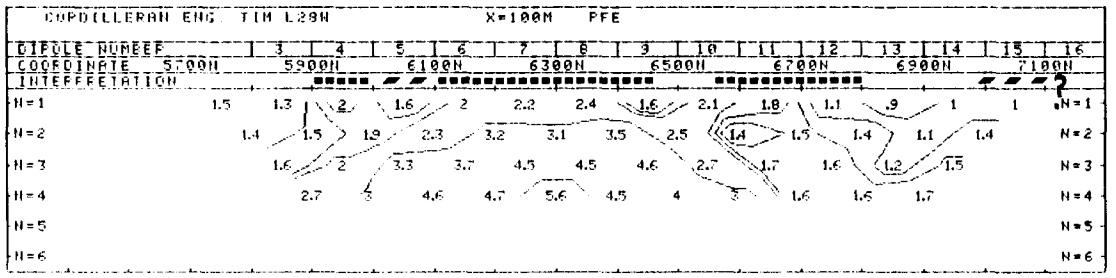
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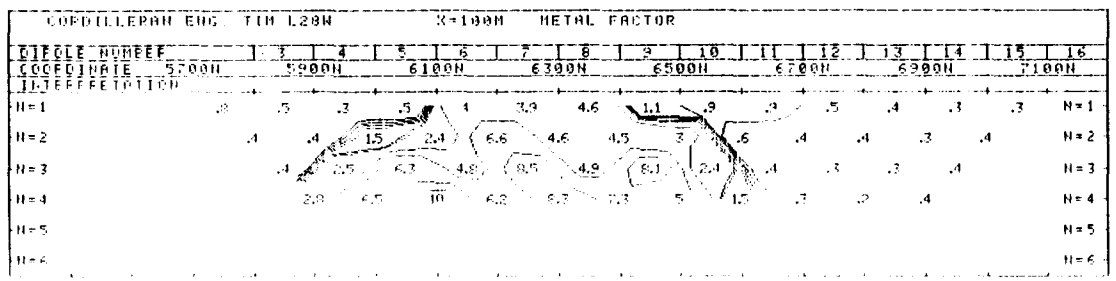
DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY







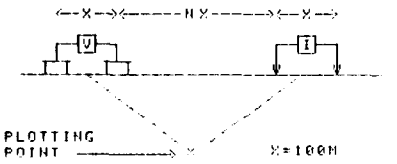
DWG NO.-I.P-5896-12

CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D./YUKON

LINE NO -28+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0:0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

PAC

DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

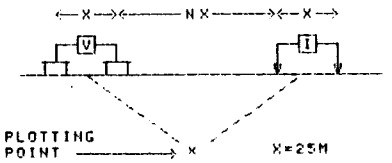
INDUCED POLARIZATION AND RESISTIVITY SURVEY

CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D.,YUKON

LINE NO. -28+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0:0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DWG. NO. -I P -5896-13

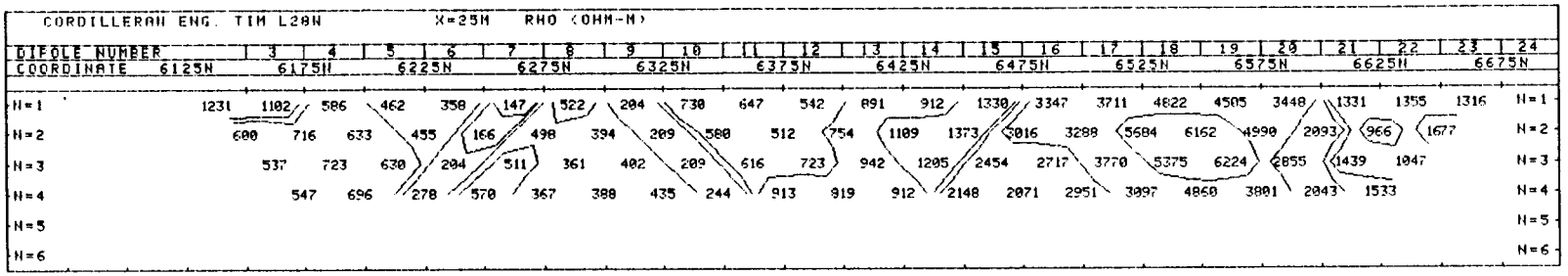
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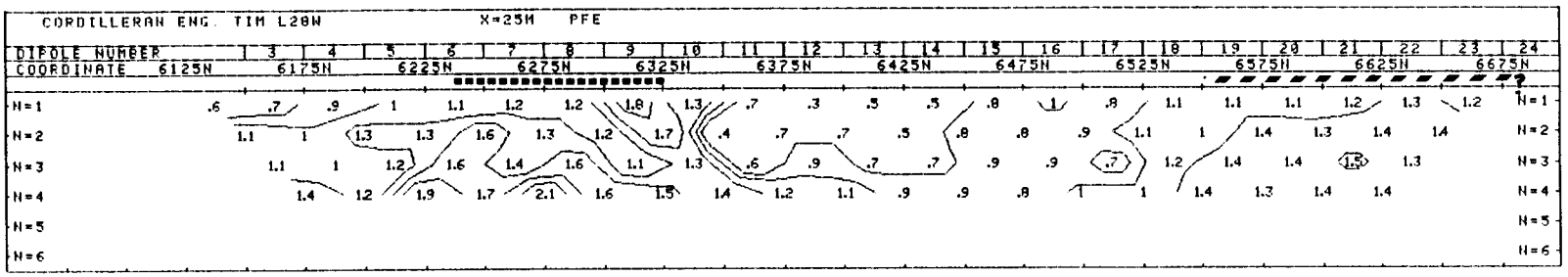
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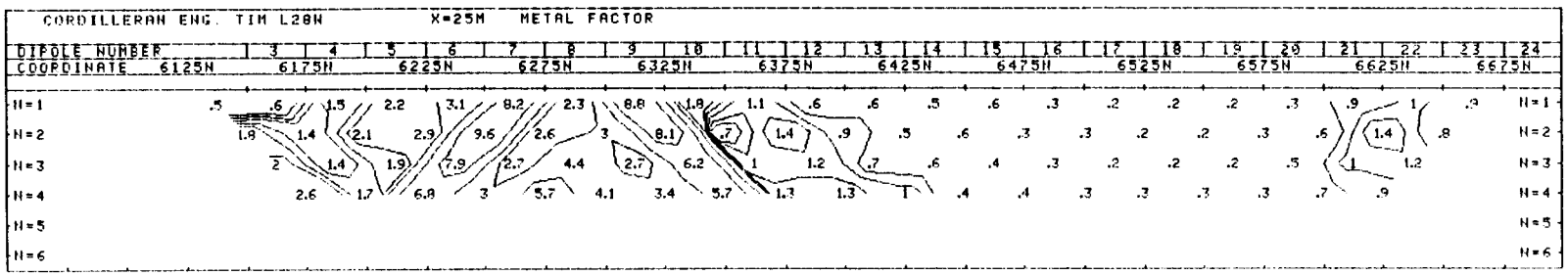
DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





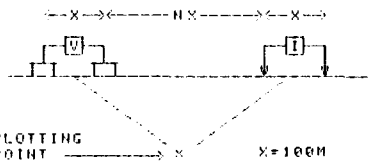


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO. L26100N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DWG NO -I.P.-5396-14

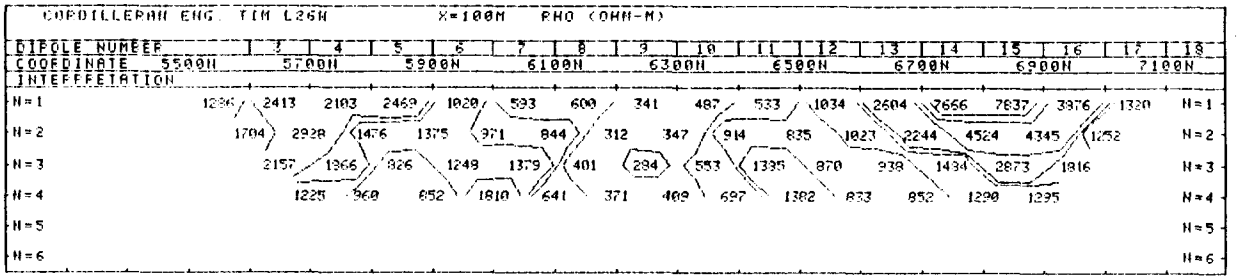
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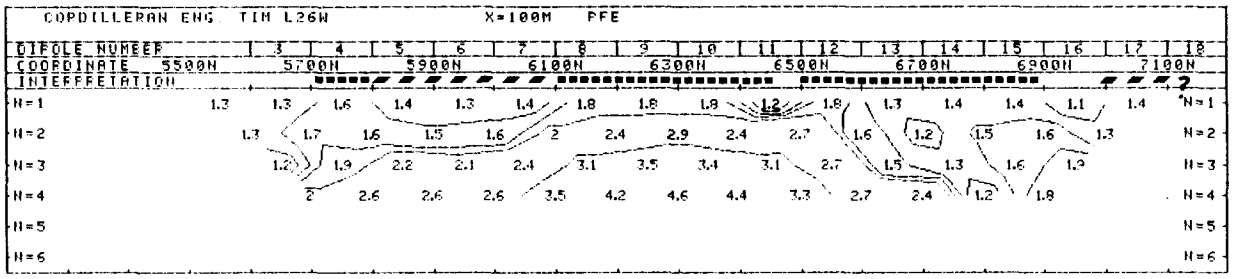
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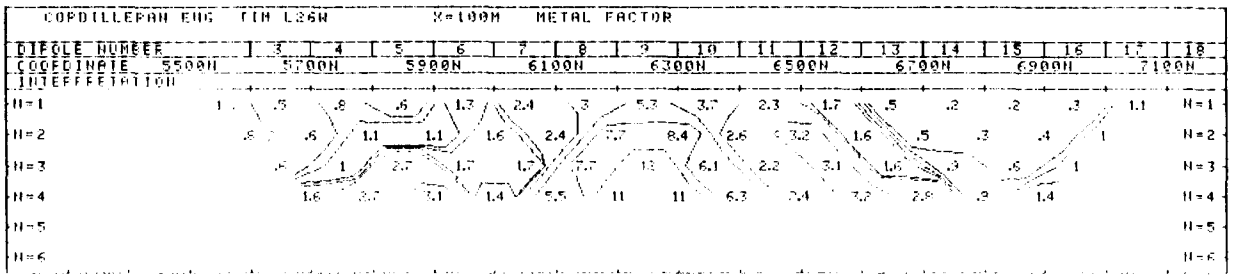
DATE Dec. 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY





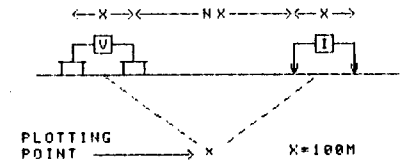


CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D. YUKON

LINE NO. -24+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0:0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DWG. NO. -I.P.-5896-15

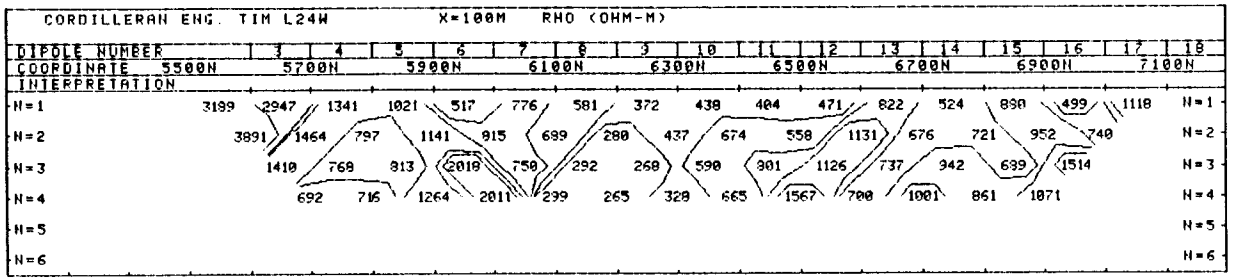
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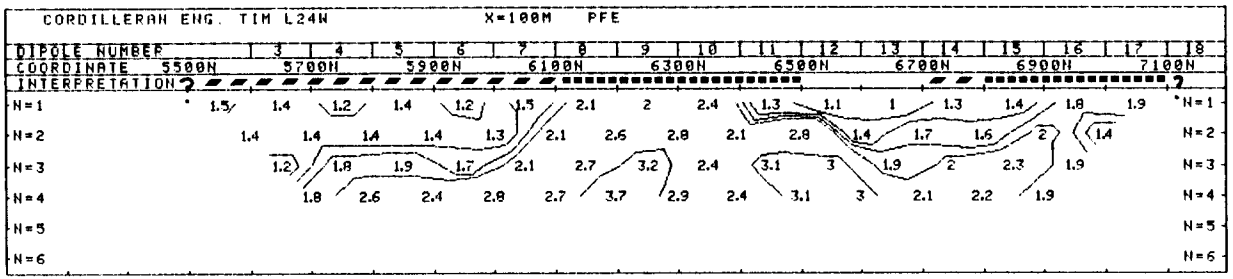
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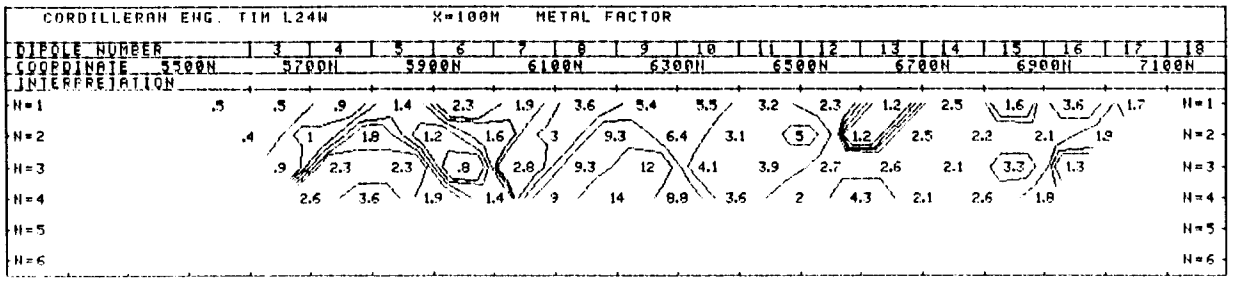
DATE Dec 08/88

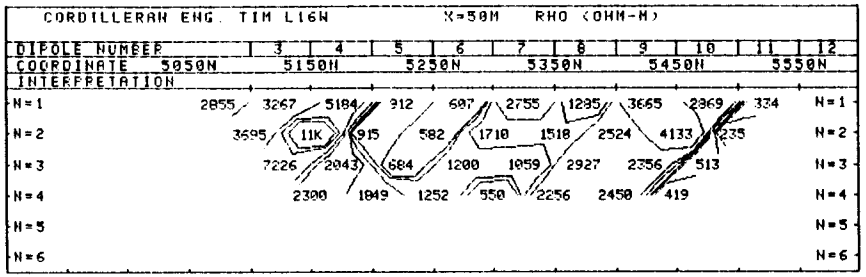
PACIFIC GEOPHYSICAL LTD.

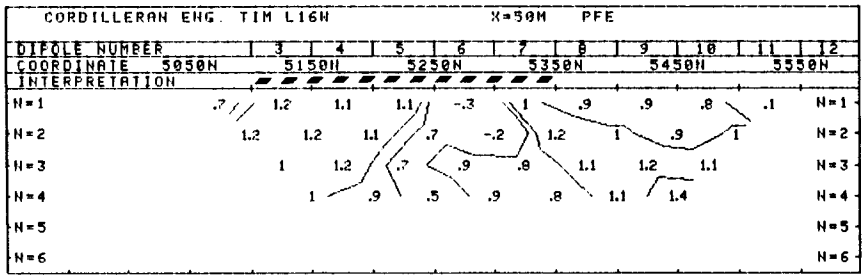
INDUCED POLARIZATION AND RESISTIVITY SURVEY

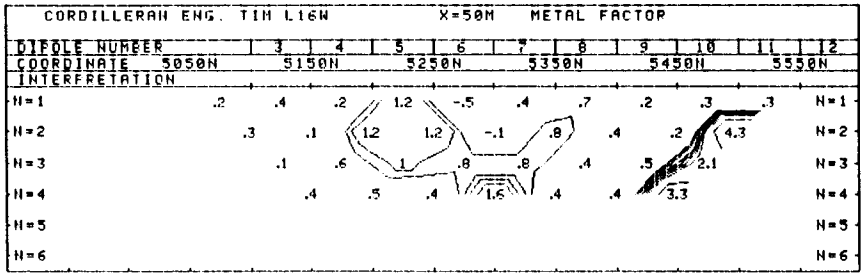












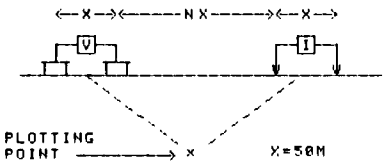
DWG. NO.-I.P.-5896-16

CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D./YUKON

LINE NO.-16+00W



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988

APPROVED

PAC

DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

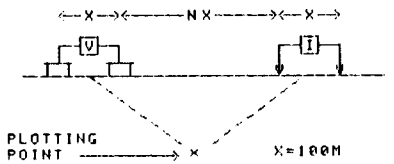
INDUCED POLARIZATION AND RESISTIVITY SURVEY

CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D./YUKON

LINE NO. -68+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0;0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DWG. NO. -I.P.-5896-17

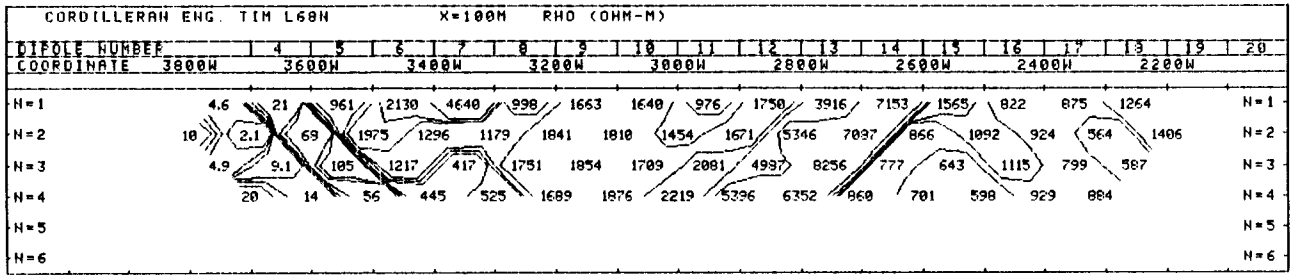
DATE SURVEYED AUGUST 1988

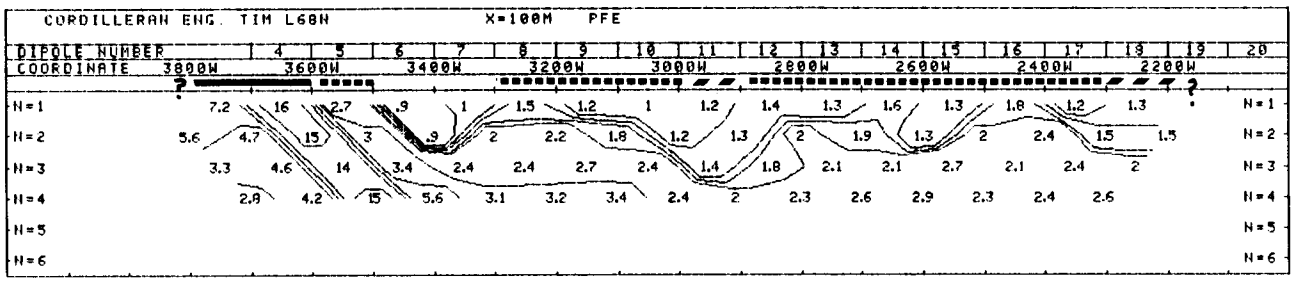
APPROVED PAC

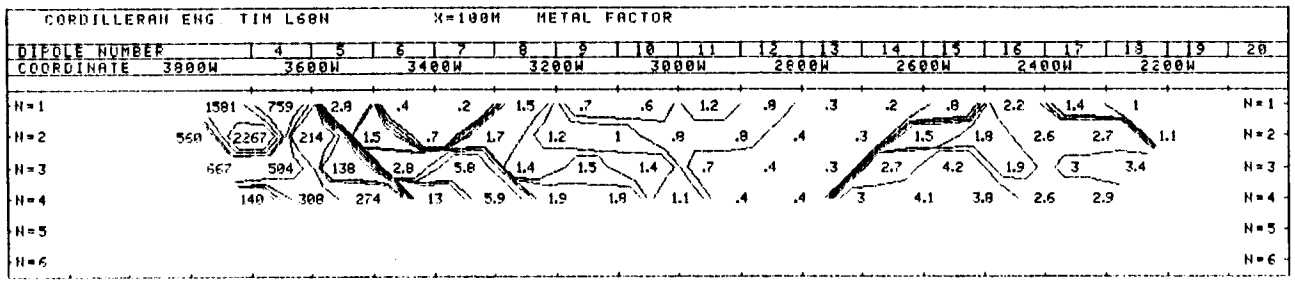
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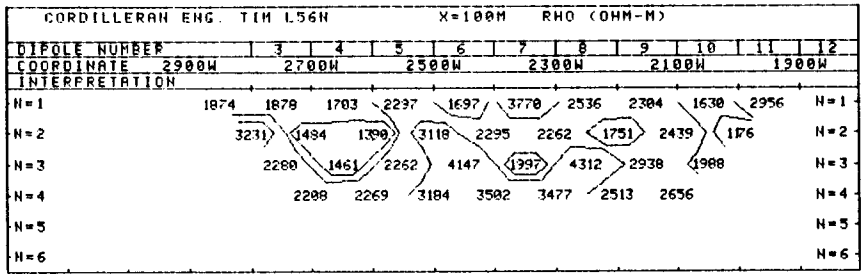
PACIFIC GEOPHYSICAL LTD.

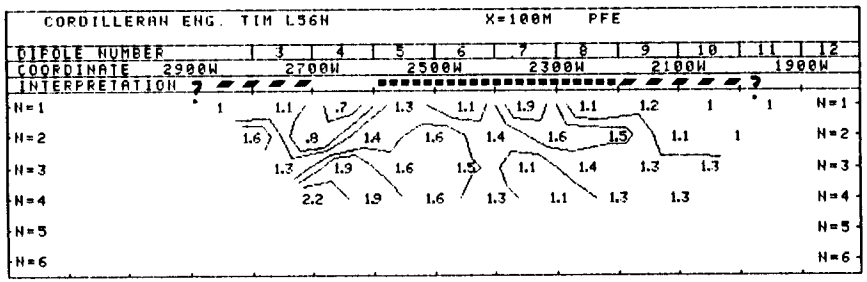
INDUCED POLARIZATION AND RESISTIVITY SURVEY

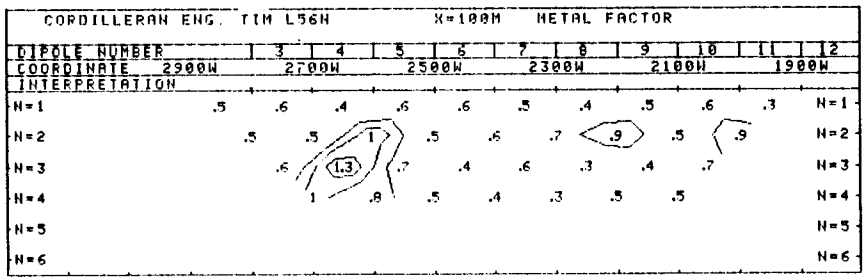












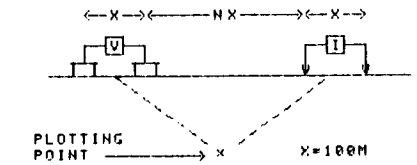
DWG. NO.-I.P.-5896-18

CORDILLERAN ENG.

TIM PROPERTY

WATSON LAKE M.D./YUKON

LINE NO.-56+00N



SURFACE PROJECTION OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

FREQUENCY (HERTZ)
4.0/0.25

NOTE- CONTOURS AT LOGARITHMIC INTERVALS. 1,-1.5 -2,-3,-5,-7.5,-10 PLUS EACH 0.25 FROM 0.5 TO 2.0

DATE SURVEYED: AUGUST 1988
APPROVED

PAC

DATE Dec 08/88

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION AND RESISTIVITY SURVEY



FAIRFIELD MINERALS LTD.
CHEVRON MINERALS LTD.

TIM PROJECT

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

PACIFIC GEOPHYSICAL LTD.

INDUCED POLARIZATION
AND RESISTIVITY SURVEY

Scale = 1 : 5000

meters 0 50 100 150 200 250 500 metres

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

OCTOBER 1988

Dwg. No. I.P.P.-3017

CLASSIFICATION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

OUTLINE OF ANOMALOUS ZONE

Approved: PAC
Jan. 05/89

270

092663

PROPERTY BOUNDARY

4000 W 3800 W 3600 W 3400 W 3200 W 3000 W 2800 W 2600 W 2400 W 2000 W

NORTH ZONE

SOUTH ZONE

1600 W

6800 N

5600 N

6 657 000 N

437 200 E

CAMP

36.41, 49.50, — grab

28.55, 32.00, — grab

10.28, 9.12, — 4.0

3.92, 1.29, — grab

—, 1.82, 5.07 2.0

1.0, —, — 11.0

—, 7.80, — grab

LEGEND

CAMBRIAN

4 Phyllite, Siltstone; Phyllite is green grey with local silver grey carbonaceous intervals. Siltstone is brown grey and thin bedded.

LOWER CAMBRIAN

3 Limestone; light grey to black, medium to thick bedded to massive.

LOWER CAMBRIAN AND EARLIER

2 Quartzite, Siltstone, Mudstone, Shale.

OXIDES

1 Orange brown iron and manganese oxides with local matrix supported or quartz cemented breccias.

SYMBOLS

- APPROXIMATE GEOLOGICAL CONTACT
- OUTCROP
- FAULT (APPROXIMATE)
- BEDDING; ATTITUDE
- JOINT; ATTITUDE
- TRENCH LOCATION AND NUMBER
- CUT LINE
- CLAIM POST
- ROAD

GEOCHEMISTRY

- > 0.80 ppm SILVER CONTOUR
- > 215 ppm LEAD CONTOUR
- > 291 ppm ZINC CONTOUR

oz/ton Ag, % Pb, % Zn / Sample Length in Metres — ASSAY AVERAGE

NOTE:

6800 N CUT BASELINE RUNS AT 272° AZIMUTH.

FAIRFIELD MINERALS LTD.
CHEVRON MINERALS LTD.

TIM PROJECT

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

COMPILATION MAP

Paul Anderson

Scale = 1:5000

meters 0 50 100 150 200 250 500 metres

CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

OCTOBER 1988

PLATE I

092663

LEGEND

LITHOLOGY

- OB — Overburden
- Orange brown iron and manganese oxides with local matrix supported or quartz cemented breccias
- Light-grey matrix supported breccia with calcareous siltstone matrix and limestone clasts

CAMBRIAN

- Green grey muscovite + chlorite phyllite
- Dark grey carbonaceous phyllite
- Light grey thin bedded siltstone with minor carbonaceous material along partings

LOWER CAMBRIAN

- Light grey medium to thick bedded to massive partially recrystallized limestone
- Block medium bedded limestone with hematite staining on surface

SYMBOLS

- Fault
- Bedding ; attitude
- Joint ; attitude
- Schistosity ; attitude
- Quartz or calcite vein (unless otherwise noted); attitude
- Anticline
- Approximate geological contact
- Access road
- Contour (interval=20 metres)

ROCK GEOCHEMISTRY TAG NUMBER & SAMPLE INTERVALS — STARTING POINT FOR TRENCH SAMPLES — SOIL GEOCHEMISTRY SAMPLE LOCATION — ANOMALOUS SOIL GEOCHEMISTRY RESULTS Au in ppb or parts per billion; Ag in ppm or parts per million — ASSAY OF HGC ANALYSIS — ANOMALOUS ROCK GEOCHEMISTRY RESULTS Au, Pt, Zn in parts per million; ASSAY Ag in ounces per ton; Pb in percent — TRENCH LITHOLOGY CONTACT — TRENCH OUTLINE Trench width is exaggerated — FLINT ASSAY Ag in ounces per ton; Pb, Zn in percent — 5 TRENCH NUMBER

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CHEVRON MINERALS LTD.

TIM PROJECT
WATSON LAKE MINING DISTRICT, YUKON TERRITORY

TRENCH MAP
NORTH ZONE — WEST HALF
TRENCHES
88-T-1,88-T-2,88-T-3,88-T-4
88-T-5,88-T-15,88-T-18

Scale 1:1000

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DECEMBER 1988 — PLATE 2

Paul Nordstrand

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TIM PROJECT
WATSON LAKE MINING DISTRICT, YUKON TERRITORY

TRENCH MAP
NORTH ZONE – EAST HALF
TRENCHES
88-T-7, 88-T-10, 88-T-11
88-T-12, 88-T-16

Scale = 1:1000

10 0 10 20 30 40 metres

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VANCOUVER, B.C. V6E 2E9

DECEMBER 1988 PLATE 3

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Paul Dorlesbot

LEGEND

LITHOLOGY

- OB — Overburden
- Orange brown iron and manganese oxides with local matrix supported or quartz cemented breccias
- Light grey matrix supported breccia with calcareous siltstone matrix and limestone clasts

CAMBRIAN

- Green grey muscovite * chlorite phyllite
- Dark grey carbonaceous phyllite
- Light grey thin bedded siltstone with minor carbonaceous material along partings

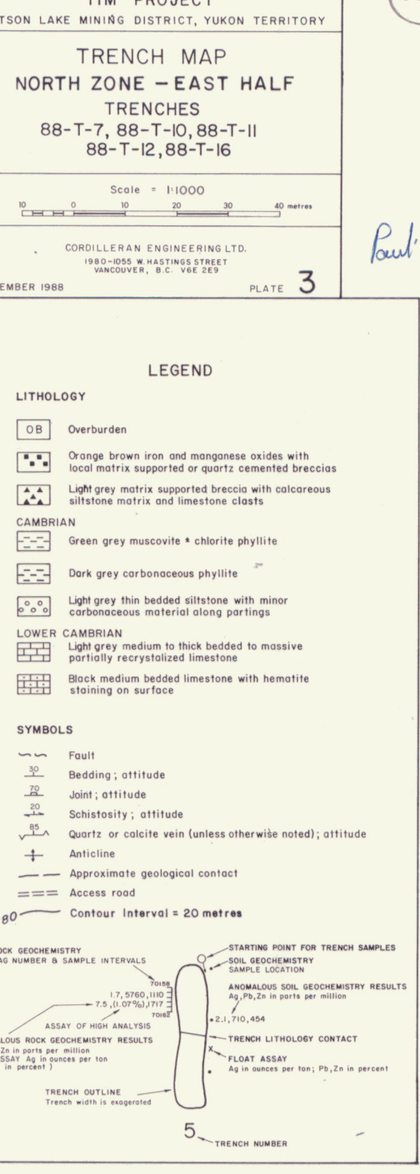
LOWER CAMBRIAN

- Light grey medium to thick bedded to massive partially recrystalized limestone
- Black medium bedded limestone with hematite staining on surface

SYMBOLS

- Fault
- 30 — Bedding; attitude
- 70 — Joint; attitude
- 20 — Schistosity; attitude
- 85 — Quartz or calcite vein (unless otherwise noted); attitude
- Anticline
- Approximate geological contact
- Access road
- 1180 — Contour Interval = 20 metres

ROCK GEOCHEMISTRY
TAG NUMBER & SAMPLE INTERVALS
ASSAY OF HIGH ANALYSIS
ANOMALOUS ROCK GEOCHEMISTRY RESULTS
Ag, Pb, Zn in parts per million
(FOR ASSAY Ag in ounces per ton
Pb, Zn in percent)
TRENCH OUTLINE
Trench width is exagerated
STARTING POINT FOR TRENCH SAMPLES
SOIL GEOCHEMISTRY
SAMPLE LOCATION
ANOMALOUS SOIL GEOCHEMISTRY RESULTS
Ag, Pb, Zn in parts per million
TRENCH LITHOLOGY CONTACT
FLOAT ASSAY
Ag in ounces per ton; Pb, Zn in percent
5 — TRENCH NUMBER





092663

LEGEND

LITHOLOGY

- OB — Overburden
- Orange brown iron and manganese oxides with local matrix supported or quartz cemented breccias
- Light grey matrix supported breccia with calcareous siltstone matrix and limestone clasts

CAMBRIAN

- Green grey muscovite + chlorite phyllite
- Dark grey carbonaceous phyllite
- Light grey thin bedded siltstone with minor carbonaceous material along partings

LOWER CAMBRIAN

- Light grey medium to thick bedded to massive partially recrystalized limestone
- Black medium bedded limestone with hematite staining on surface

SYMBOLS

- Fault
- 50 Bedding ; attitude
- 70 Joint ; attitude
- 20 Schistosity ; attitude
- 65 Quartz or calcite vein (unless otherwise noted); attitude
- Anticline
- Approximate geological contact
- Access road
- 1180 Contour interval = 20 metres

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TIM PROJECT
WATSON LAKE MINING DISTRICT, YUKON TERRITORY

TRENCH MAP
SOUTH ZONE
TRENCHES
88-T-6, 88-T-8, 88-T-9
88-T-13, 88-T-14

Scale = 1:1000
10 0 10 20 30 40 metres

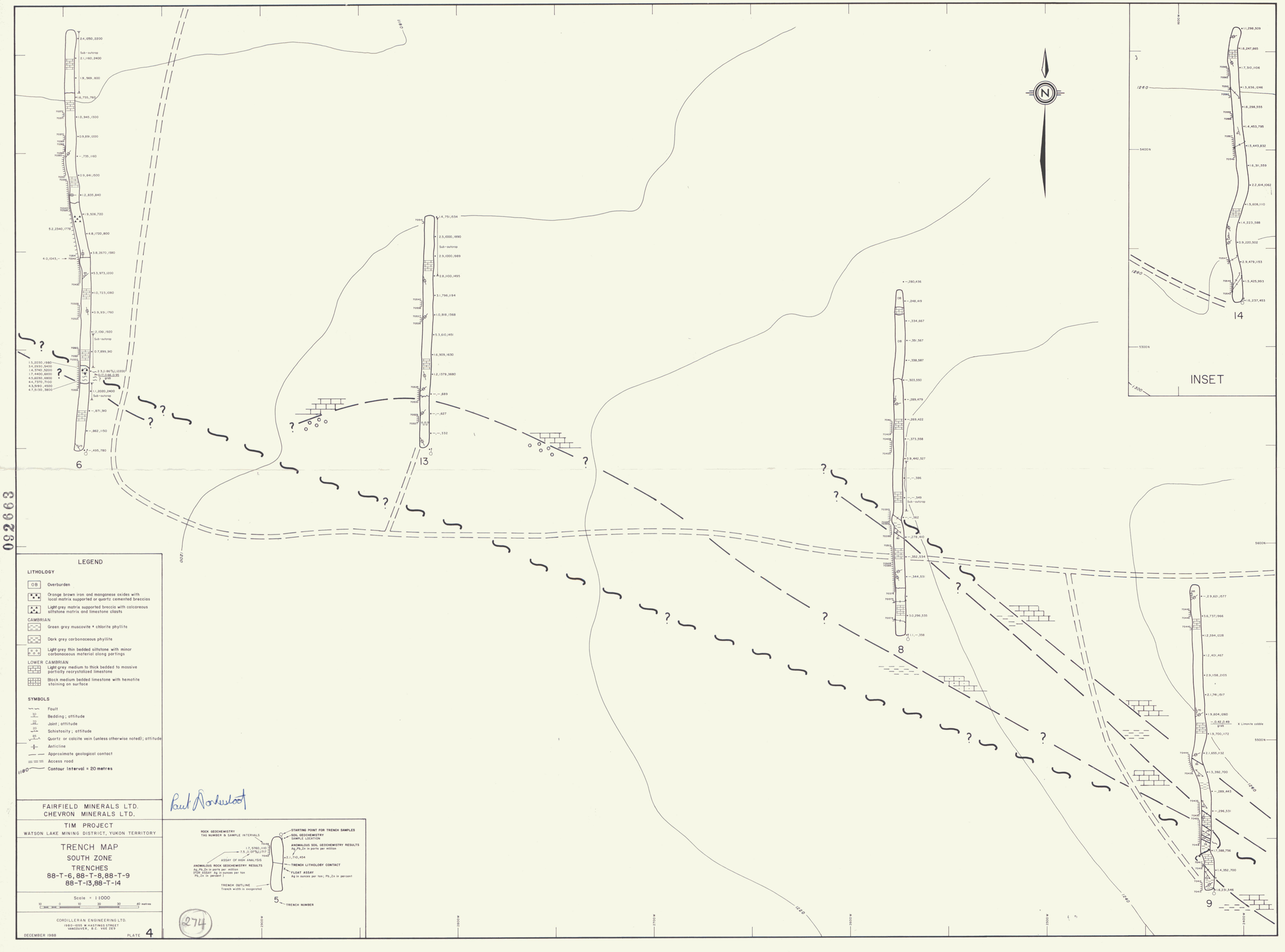
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VANCOUVER, B.C. V6E 2E9

DECEMBER 1988 PLATE 4

Paul Nordstoga

ROCK GEOCHEMISTRY
TAG NUMBER & SAMPLE INTERVALS
7098 1.7, 5760, 1110
7.5, (5.07%), 1711
7042
ASSAY OF HIGH ANALYSIS
ANOMALOUS ROCK GEOCHEMISTRY RESULTS
Ag, Pb, Zn in parts per million
(FOR ASSAY Ag in ounces per ton
Pb, Zn in percent)
5 TRENCH NUMBER
STARTING POINT FOR TRENCH SAMPLES
SOIL GEOCHEMISTRY
SAMPLE LOCATION
ANOMALOUS SOIL GEOCHEMISTRY RESULTS
Ag, Pb, Zn in parts per million
2.1, 710, 454
TRENCH LITHOLOGY CONTACT
FLOAT ASSAY
Ag in ounces per ton; Pb, Zn in percent
TRENCH OUTLINE
Trench width is exagerated

(274)



4000N 3600N 3200N 2800N 2400N 2000N 1600N 1200N

7600N

7200N

6800N

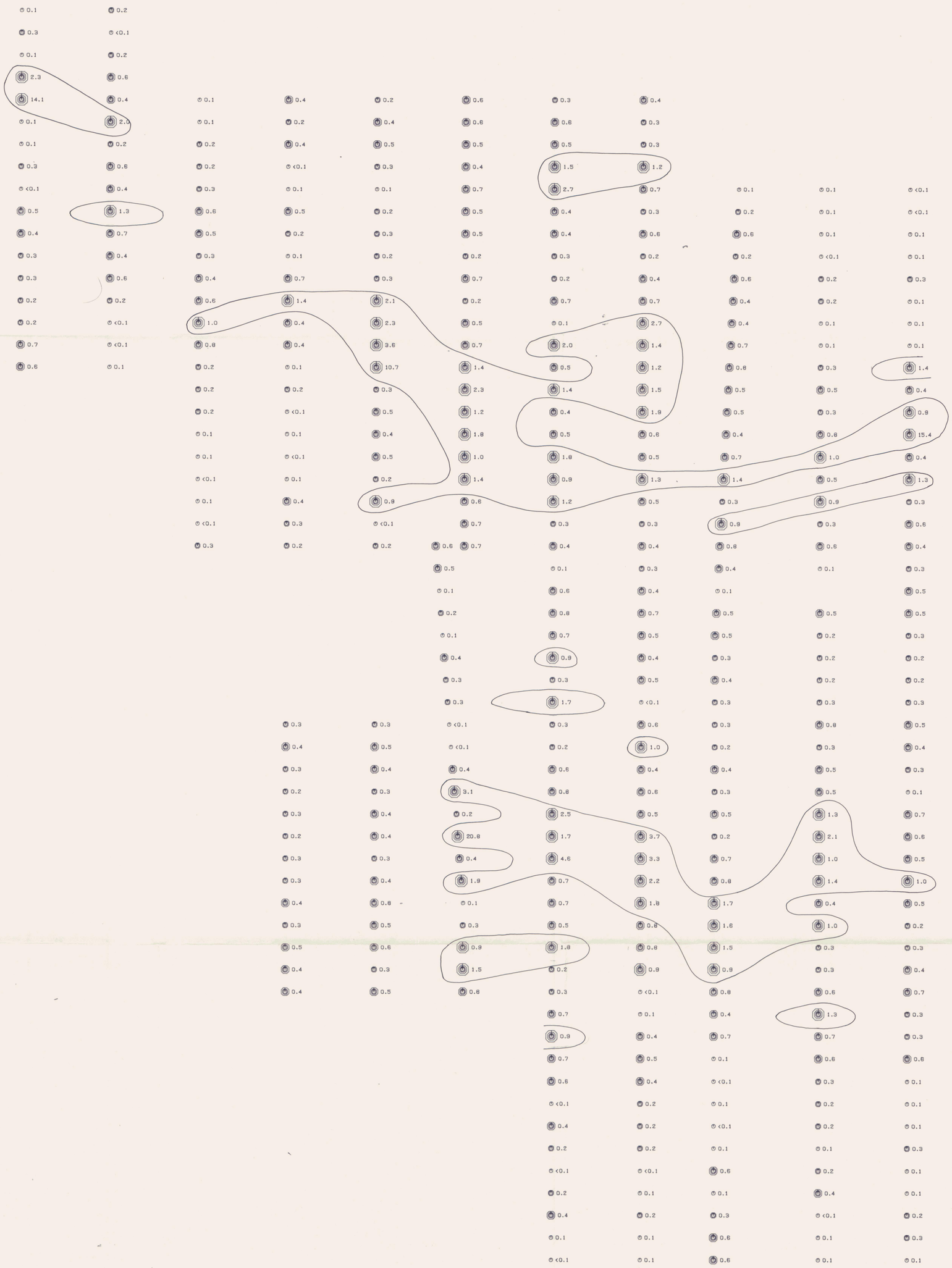
6400N

6000N

5600N

5200N

4800N



LEGEND

- • no sample
- ⊙ less than 0.2
- Ⓜ 0.2 to less than 0.38
- Ⓞ 0.38 to less than 0.89
- ◉ greater than or equal to 0.89
- — 0.9 ppm Silver contour

Cordilleran Engineering Ltd.

FAIRFIELD MINERALS LTD.
CHEVRON MINERALS LTD.

TIM PROPERTY
SOIL GEOCHEMISTRY
SILVER IN PPM

0 100 200 300 metres

Date: 31-OCT-88 | Scale 1:5000 | Plate: 5

Plotted by Bondar-Clegg Computer Services

092693

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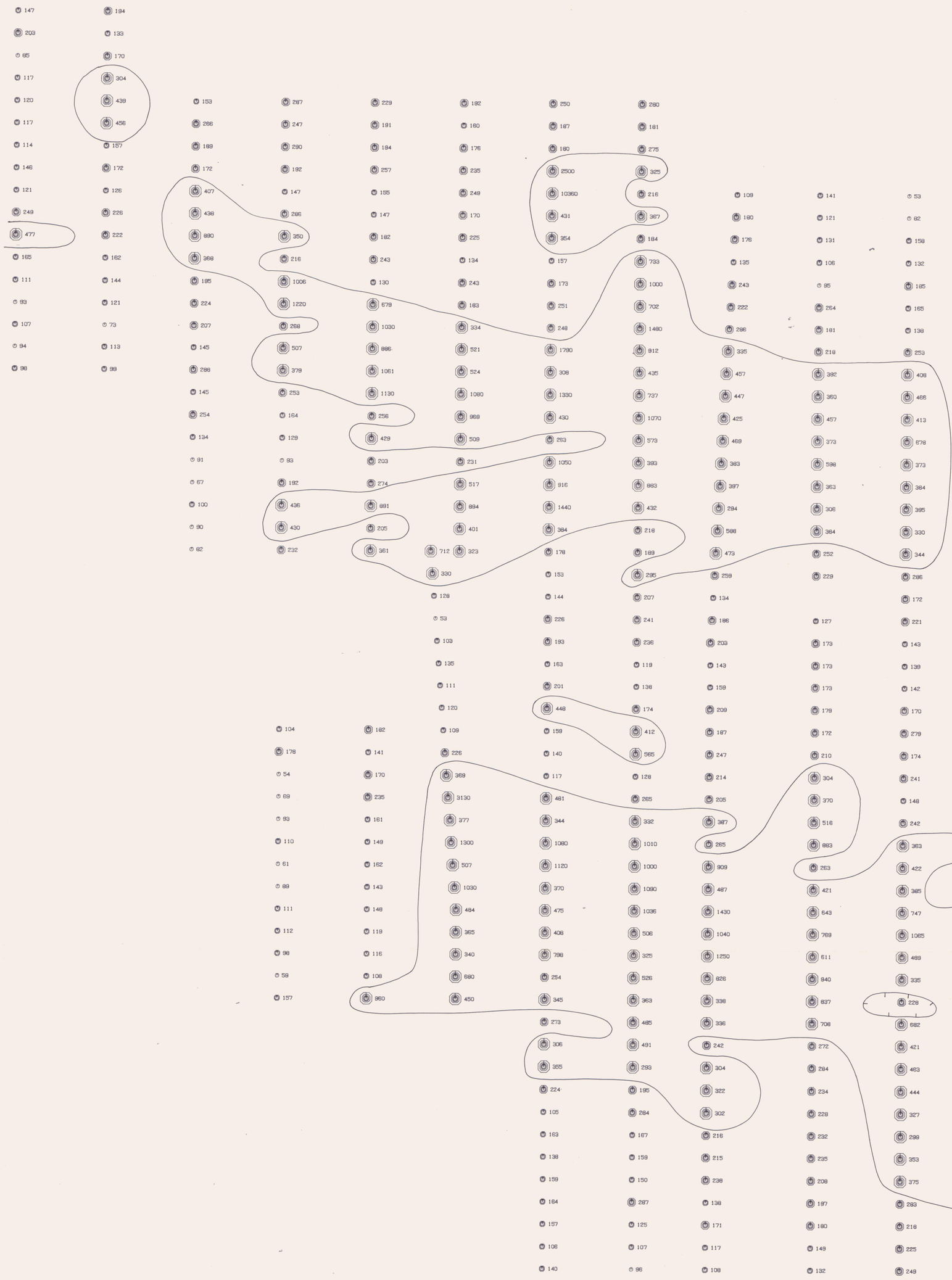
40000W 36000W 32000W 28000W 24000W 20000W 16000W 12000W

7600N

| | | |

4000N 3600N 3200N 2800N 2400N 2000N 1600N 1200N

7600N
7200N
6800N
6400N
6000N
5600N
5200N
4800N



LEGEND

- • no sample
- ⓣ less than 97
- Ⓜ 97 to less than 170
- Ⓐ 170 to less than 291
- Ⓐ greater than or equal to 291
- — 291 ppm Zinc contour

Cordilleran Engineering Ltd.

FAIRFIELD MINERALS LTD.
CHEVRON MINERALS LTD.

TIM PROPERTY
SOIL GEOCHEMISTRY
ZINC IN PPM

0 100 200 300 metres

Date: 31-OCT-88 | Scale 1:5000 | Plate: 7

Plotted by Bonder-Clegg Computer Services

Paul Bonderud

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