GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE TANTALUS RESOURCES LTD. TREATY CREEK PROJECT

ISKUT AREA
SKEENA MINING DIVISION
BRITISH COLUMBIA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,318

J. Chapman, F.G.A.C.
W. Raven, F.G.A.C.
A. Walus, M.Sc.

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OREQUEST

OREQUEST CONSULTANTS LTD. 306-595 Howe Street, Vancouver, B.C., Canada, V6C 2T5 Telephone: (604) 688-6788 Fax: (604) 688-9727

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Treaty Creek Project is the subject of an option agreement between Tantalus Resources Ltd. and Teuton Resource Corp. whereby Tantalus may earn a 60% interest in the property. The project is located 80 km north of Stewart B.C. and consists of 26 claims totalling 300 units within the Skeena Mining Division. Work was carried out between August 4 and September 27, 1990 by OreQuest Consultants Ltd. under the direction of Prime Explorations - a division of Prime Equities Inc.

Exploration on the Treaty Creek Project during 1990 was concentrated on the Treaty Gossan and an area of new showings discovered on the GR2 claim. Grid establishment over the Treaty Gossan and the new showings was implemented to provide control for geological mapping, prospecting, geochemical rock and soil sampling along with magnetic, VLF-EM and UTEM geophysical surveys.

On the Treaty Gossan a northeast-southwest trending 2.5 km grid was established to cover the main alteration zone and the surrounding rocks. Mapping was completed over the east half of the grid however the early onset of winter conditions precluded completion of the west half. Soil sampling at either a 25 m or 50 m spacing was completed over the entire grid. Geophysical surveys were completed to line 22W. Approximately 17.5 km of lines were flagged and picketed.

The area of new showings comprises seven separate exposures on the GR2 claim. A small grid totalling 5.225 line km, was emplaced

over the showings to provide control for geological mapping, trenching and a UTEM geophysical survey, much of which was conducted over an icefield.

The remainder of the property received only very limited prospecting and mapping during this program.

On the Treaty Gossan the area mapped is underlain predominantly by rocks of the Betty Creek and Mt. Dilworth Formations, which host the alteration zone. The Treaty Gossan alteration zone is represented by a very strong, pervasive pyrite-quartz-sericite altered rock with massive to schistose structure. This rock is strongly oxidized resulting in a bright yellow-orange-brown colour giving rise to the large distinctive area of gossan staining. Locally within the gossan, are numerous boulders and one small outcrop of a laminated chert-like rock containing alunite, native sulphur, prehnite and selenite which may represent a submarine hot springs deposit.

Geological mapping and sampling of the Treaty Gossan area has revealed three stages of mineralization related to different events. These events are as follows: mineralization related to extrusive rocks of the Mt. Dilworth Formation, a porphyry copper type system (the main Treaty Gossan alteration zone) and local epithermal style mineralization.

The Mt. Dilworth Formation, which partially hosts the nearby Eskay Creek Deposit, can be traced across the large nunatak which

contains the Treaty Gossan. Outcrops of the Mt. Dilworth Formation within the mapped area are confined to a small part of the grid though further work may reveal more of this unit. Maximum values of 0.54 oz/ton gold and 3.17 oz/ton silver were received from grab samples of this formation.

The porphyry type alteration system hosts the greatest potential for a large tonnage deposit as the alteration zone covers approximately 1 square km. Mineralization within the zone consists chiefly of pyrite which constitutes 3-7% by volume of the rock. Rock and soil samples collected over the zone returned weakly anomalous copper values, up to 235 ppm and 147 ppm respectively and significant gold values, 340 ppb and 290 ppb, over a wide area. The intensity of the alteration and the possibility that the gossan represents the outer phyllic alteration zone of a porphyry system would account for the low copper values.

Also of interest within the Treaty Gossan alteration zone is the overprint of an epithermal system. The possibility for much higher grade mineralization, particularly gold, within the system is significant as evidenced by the high grades present, up to 24.0 oz/ton gold at the Konkin Gold Zone showings, within a smaller alteration zone to the northwest. On the Treaty Gossan rock samples of the sinter material assayed up to 190 ppb gold, 448 ppm zinc, 1.64 oz/ton silver, 662 ppm antimony and 3863 ppm lead. Soil sampling confirmed these anomalies with up to 255 ppb gold, 299 ppm zinc, 2.4 ppm silver, 22 ppm antimony and 297 ppm lead.

Mapping on the new showings, Zones A through F on the GR-2 claim, indicate that they are hosted by a series of north-northeast trending shear zones. These are up to 50 m wide, and have been partially or completely replaced by sericite, quartz, clay, pyrite, calcite and barite and locally contain quartz-calcite-sulphide veins.

Gold and silver results locally were high with up to 0.401 oz/ton and 100 oz/ton respectively, along with copper to 1.93%, zinc to 37.4%, and lead to 42.7% from grab samples.

The UTEM survey resulted in several weak to moderate conductors exhibiting the same general trend as the showings. No follow up work was done on these anomalies due to the onset of winter conditions and heavy snow.

Further work is required to expand the grid coverage in this area and to complete a more detailed mapping survey of the showings prior to additional geophysical surveys, trenching and drilling.

Further work is recommended on the Treaty Gossan area, continuing where the 1990 surveys left off. The remainder of the grid should be mapped to complete the detailed work over the main alteration zone. In addition the grid should be extended to the northeast (east of Line 0+00) to delineate the extent of the Mt. Dilworth Formation and its potential for significant mineralization. Soil sampling, magnetic and VLF-EM electromagnetic surveys should be completed over all new grids.

Test lines of IP and deeper penetrating EM surveys, such as Max-Min and UTEM should be conducted over the Gossan during the next phase prior to a trenching and drilling program. Diamond drilling will be required to test the alteration zone at depth.

In addition to the above mentioned programs further prospecting and mapping is required on the numerous other gossans visible on the property. A zone of laminated sulphides located within upper Mt. Dilworth Formation rocks near the toe of the Treaty Glacier was located during the 1990 field season by the Geological Survey of Canada. Due to the early snowfall this could not be followed up on 1990 and should be examined in detail during the next program. Costs for the Phase III program are estimated at $700,000.

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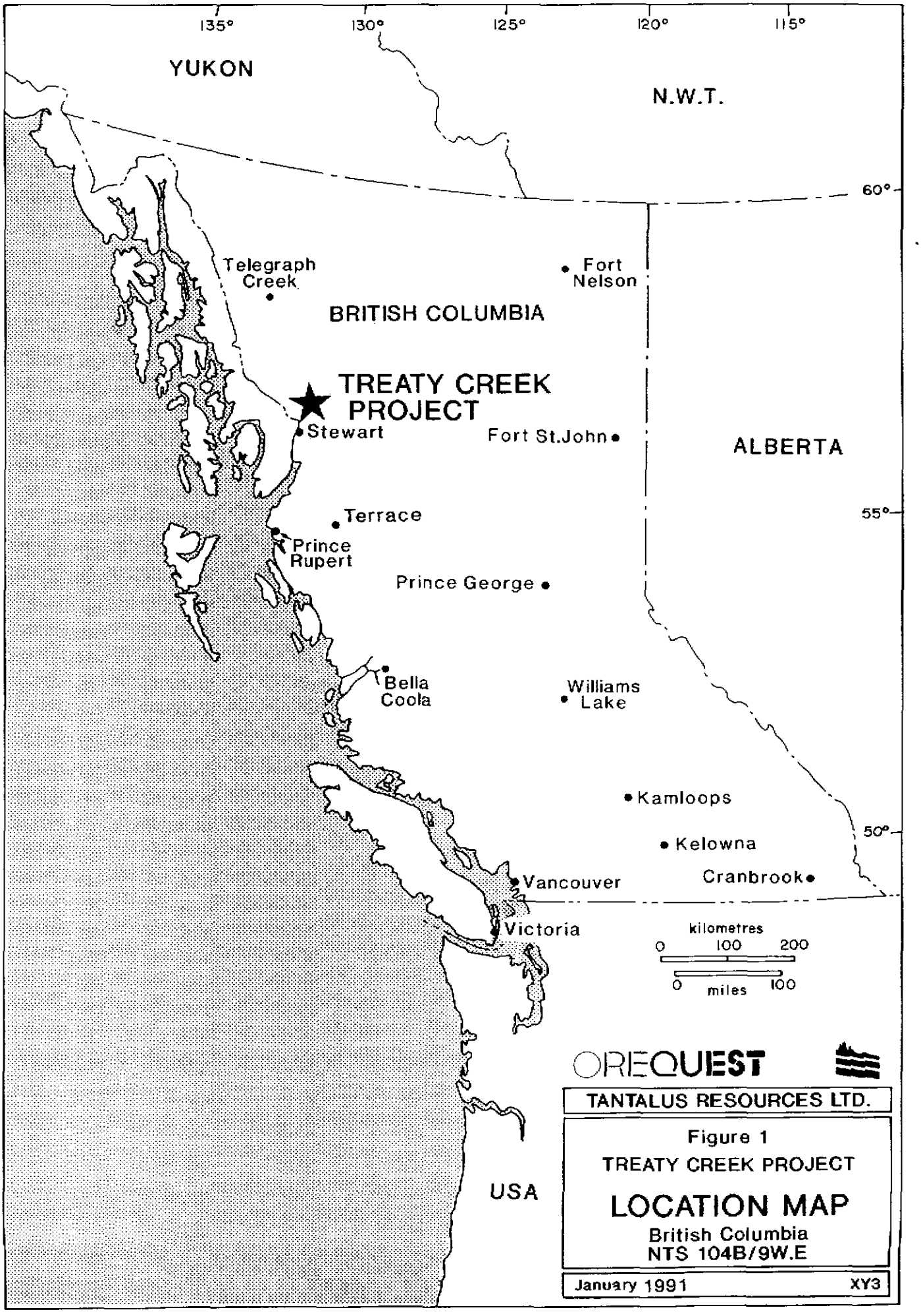
INTRODUCTION

This report is prepared by OreQuest Consultants Ltd. at the request of Prime Explorations on behalf of Tantalus Resources Ltd. It outlines the work program carried out on the Treaty Creek Project during 1990, presents the results of this work and makes recommendations for further work. The information contained herein is derived from supervision and execution of the field program, the referenced cited, and familiarity with the Iskut-Sulphurets area gained by OreQuest on behalf of various clients from 1987 to 1990.

The work program on the Treaty Creek Project consisted of grid establishment, detailed geological mapping, prospecting, geochemical rock and soil sampling on both the Treaty Gossan and the new showings on the GR-2 claim. Geophysics in the form of magnetic and VLF-EM surveys were carried out on the Treaty Gossan with a UTEM survey used on the GR-2 claim area. The program commenced August 4, 1990 and terminated September 27, 1990 due to the onset of winter conditions which precluded completion of the grid mapping on the Treaty Gossan.

LOCATION AND ACCESS

The Treaty Creek Project is located about 80 km north-northwest of Stewart, British Columbia in the Skeena Mining Division on NTS map 104B/9. It is centred at approximately 56°35'N latitude and 130°07'W longitude (Figure 1).


135°
130°
125°
120°
115°
YUKON
N.W.T.
60°
Telegraph Creek
Fort Nelson
BRITISH COLUMBIA
TREATY CREEK PROJECT
Stewart
Fort St.John
ALBERTA
Terrace
55°
Prince Rupert
Prince George
Bella Coola
Williams Lake
Kamloops
50°
Kelowna
Vancouver
Cranbrook
Victoria
kilometres
0 100 200
0 miles 100
USA
OREQUEST
TANTALUS RESOURCES LTD.
Figure 1
TREATY CREEK PROJECT
LOCATION MAP
British Columbia
NTS 104B/9W.E
January 1991
XY3

Access to the property is by helicopter from the Bronson airstrip 60 km to the west or from the Bell II staging area on the Stewart-Cassiar Highway, Highway 37, about 25 km to the northeast. The B.C. government and several interested mining companies in the area are presently conducting environmental studies and surveying for a road location from Highway 37 to Bronson Creek.

Frequent scheduled and charter flights from Smithers, approximately 330 km southeast, to the Bronson Creek strip service the exploration and mining activity in the area. Until recently the Johnny Mountain airstrip, located 60 km west of the Treaty Creek Project, was serviced regularly from Terrace. The Snippaker Creek airstrip, located 40 km west of the claim area, was used during the 1990 season by single-engine fixed wing aircraft. Several old landing strips are located south of the property on the Unuk River but would require work to be serviceable. Exploration work was done via helicopter from the OreQuest seasonal base camp located on a small lake at the northwest end of the VR-5 claim, the northwest corner of the Treaty Creek Project.

PHYSIOGRAPHY AND VEGETATION

Elevations on the Treaty Creek Project range from 950 m in the Treaty Creek valley on the east side of the property to over 2200 m on the peaks to the west, east and south. Slopes range from moderate to very precipitous.

Low lying regions are vegetated by mature mountain hemlock and balsam. This changes to subalpine and alpine vegetation consisting of stunted shrubs and grasses. The claims cover the icefield at the head of Treaty, South Treaty and Atkins Glaciers with the result that much of the property is covered by ice.

Climate in the area is severe, particularly at the higher elevations. Heavy snowfalls in winter and rain in the short summer working season are typical of the Iskut-Sulphurets area. Inclement weather conditions and reliance on helicopter transport make this a high cost area to explore for minerals.

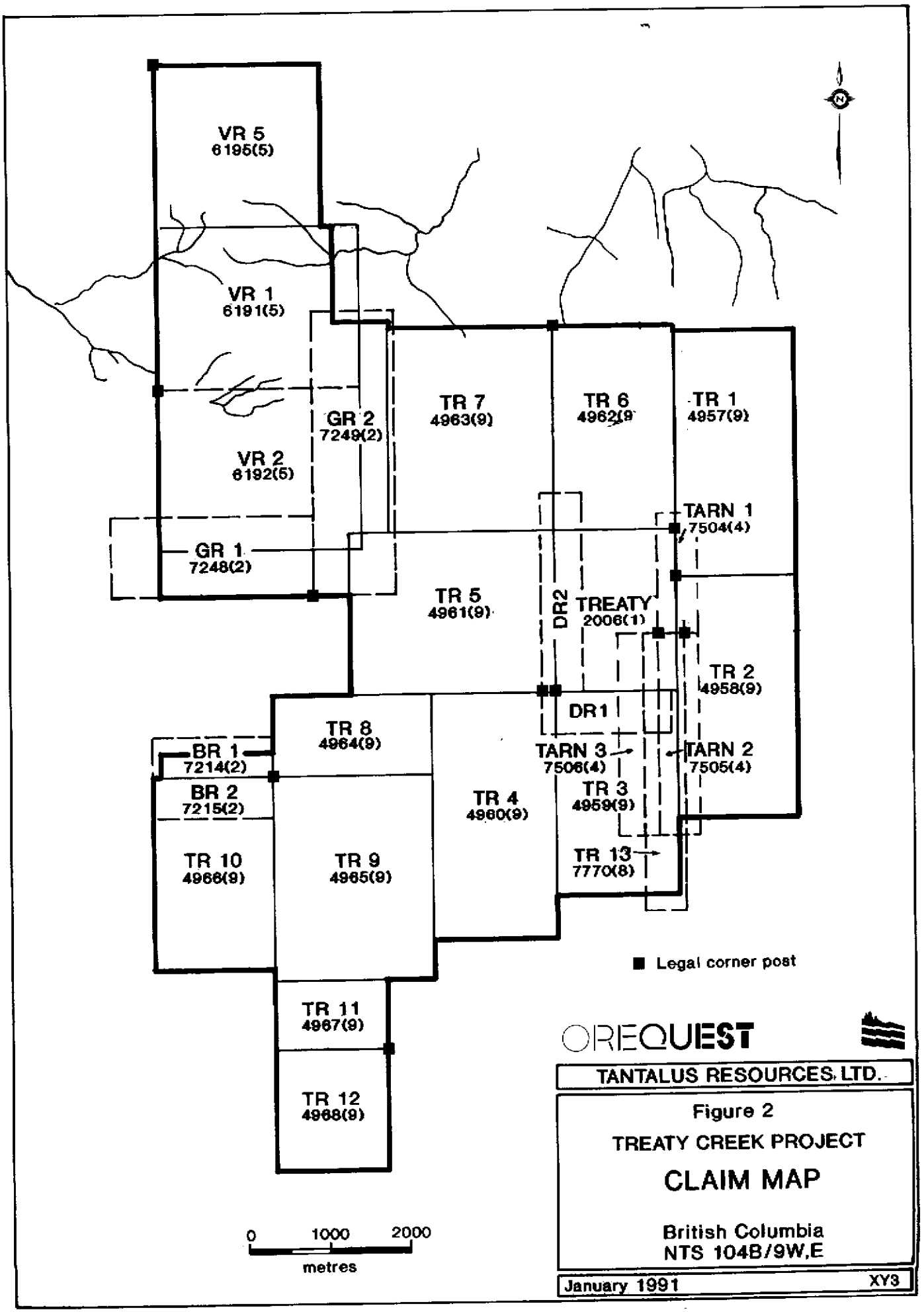
CLAIM STATUS

The property is located in the Skeena Mining Division on maps 104B/9E and 9W centered at approximately 56°35'N latitude and 130°07'W longitude (Figure 2).

The Treaty property consists of 26 modified grid claims, the status of which is as follows:

TABLE I - CLAIM INFORMATION

Claim Name	No. of Units	Record No.	Date of Record	Expiry Date*
Treaty	12	2006	Jan. 9, 1980	Jan. 9/93
TR 1	18	4957	Sept. 30, 1985	Sept. 30/93
TR 2	18	4958	Sept. 30, 1985	Sept. 30/93
TR 3	15	4959	Sept. 30, 1985	Sept. 30/93
TR 4	18	4960	Sept. 30, 1985	Sept. 30/93
TR 5	20	4961	Sept. 30, 1985	Sept. 30/95


VR 5
6195(5)
VR 1
6191(5)
VR 2
6192(5)
GR 2
7249(2)
GR 1
7248(2)
TR 7
4963(9)
TR 6
4962(9)
TR 1
4957(9)
TARN 1
7504(4)
TR 5
4961(9)
DR2
TREATY
2006(1)
TR 2
4958(9)
DR1
TR 8
4964(9)
BR 1
7214(2)
BR 2
7215(2)
TR 10
4966(9)
TR 9
4965(9)
TR 4
4960(9)
TARN 3
7506(4)
TARN 2
7505(4)
TR 3
4959(9)
TR 13
7770(8)
TR 11
4967(9)
TR 12
4968(9)
Legal corner post
0
1000
2000
metres
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TANTALUS RESOURCES LTD.
Figure 2
TREATY CREEK PROJECT
CLAIM MAP
British Columbia
NTS 104B/9W,E
January 1991
XY3

Claim Name	No. of Units	Record No.	Date of Record	Expiry Date
TR 6	15	4962	Sept. 30, 1985	Sept. 30/93
TR 7	20	4963	Sept. 30, 1985	Sept. 30/93
TR 8	8	4964	Sept. 30, 1985	Sept. 30/95
TR 9	20	4965	Sept. 30, 1985	Sept. 30/93
TR 10	15	4966	Sept. 30, 1985	Sept. 30/93
TR 11	6	4967	Sept. 30, 1985	Sept. 30/93
TR 12	9	4968	Sept. 30, 1985	Sept. 30/93
TR 13	8	7770	Aug. 6, 1989	Aug. 6/94
GR1	10	7248	Feb. 10, 1989	Feb. 10/94
GR2	14	7249	Feb. 10, 1989	Feb. 10/94
BR1	3	7214	Feb. 10, 1989	Feb. 10/95
BR2	3	7215	Feb. 10, 1989	Feb. 10/95
DR 1	4	7220	Feb. 10, 1989	Feb. 10/94
DR 2	5	7221	Feb. 10, 1989	Feb. 10/94
VR1	20	6191	May 25, 1987	May 25/94
VR2	20	6192	May 25, 1987	May 25/94
VR5	16	6195	May 25, 1987	May 25/94
Tarn 1	3	7504	April 7, 1989	April 7/94
Tarn 2	5	7505	April 7, 1989	April 7/94
Tarn 3	5	7506	April 7, 1989	April 7/94
	300			

* Expiry dates based on acceptance of the 1990 work program.

PROPERTY AND GENERAL AREA HISTORY

The following is a chronological summary of the work completed on the present day Treaty Creek Project as compiled from available reports.

1929-1930 Prospectors Williams and Knipple were reported to have discovered gold and arsenic mineralization from two unknown locations in the area now covered by the TR claims. Consolidated Mining and Smelting Co. visited the 57 claim property, took samples but did not continue the option on the claims.

1950's Several prospecting syndicates explored the Treaty Creek area.

1953 Prospectors Williams and Knipple found a small silver bearing sulphide vein. In addition, several large float

boulders containing tetrahedrite were found in the Treaty glacier; no source was located.

1966-1967 In an attempt to promote interest in the Portland Canal-Iskut area of B.C., the government Department of Mines carried out a regional mapping program. The government geologists reported discontinuous lead zinc veins on the present day property. A magnetic anomaly was also discovered at the junction of the Treaty Creek and South Treaty glaciers.

1967-1980 The claims were staked several times but were allowed to lapse with no recorded work.

1980-1981 E & B Explorations optioned the claims from E. Kruchkowski and carried out a regional prospecting and geological mapping program. No significant mineral occurrences were discovered.

1984 Teuton Resources Corp. acquired the claims and carried out a small program of prospecting and stream sediment sampling. One sample of a mineralized boulder returned a value of 5800 ppb Au. A silt sample taken at the junction of the Treaty Creek and South Treaty Glaciers contained 510 ppb Au.

1985 Further mapping, prospecting and a heavy mineral stream sediment survey was carried out by Teuton Resources. One heavy metal silt sample from the western portion of the property returned a value of 4200 ppb Au. Native sulphur mineralization was discovered in a pyritic alteration zone.

1986 Teuton carried out further rock geochemistry sampling which returned values as high as 925 and 990 ppb Au from the area southeast of the 1985 anomalous stream sample.

1987 Teuton continued exploration with more rock and silt sampling. Rock samples as high as 28.0 oz/t gold over 1.2 m enabled the company to expand to a detailed rock sampling, hand trenching and a 184.5 m drill program. Inclement weather limited the effectiveness of the detailed work and the program was prematurely shut down.

1988 Teuton followed up the successful 1987 program with blasting, trenching and sampling of the known mineralized zones. A grid was placed over the main area of interest on which a magnetometer survey and geological mapping were conducted. Several reconnaissance rock and soil lines were put in to test areas southwest, northeast and east of the main area of interest.

1989 OreQuest Consultants carried out field surveys on the Treaty Creek Project with main focus of work on the Konkin Zone and the nunatak area in general. Reconnaissance work of mapping, prospecting, soil, stream sediment, and rock sampling was done mainly on the Treaty Gossan area. Detailed trenching, chip sampling, VLF-EM and magnetic surveys and diamond drilling were completed on the Konkin Zone. Additional work on the nunatak area consisted of rappel traverses over the Goat Trail and Southwest Zones to acquire continuous chip samples. A Phase II program was implemented in late September with additional drilling on the Konkin Zone and 2 holes on the Goat Trail Zone. Drill program was shut down prematurely due to severe winter conditions.

A brief summary of activity on surrounding properties is included here:

The Treaty Creek Project lies within an historically active mining and exploration area that extends some 225 kilometres from Stewart in the south to near Telegraph Creek in the north. Within this area, which has been referred to as the Stikine Arch, mining activity goes back to the turn of the century. Due to the size of the region it historically has been referred to as more specific areas, ranging from the Stewart area to Sulphurets, Iskut River and Galore Creek, however all of these individual camps appear to be related to the Stikine Arch as a whole. Recent discoveries appear to be filling in areas between these known mineralized camps. It is probable that the entire area can be considered as one large mineralized province with attendant subareas. The location of several deposits and mineral occurrences appears in Figure 3, which also locates the Treaty Creek Project with respect to these sites. This list of mineral occurrences

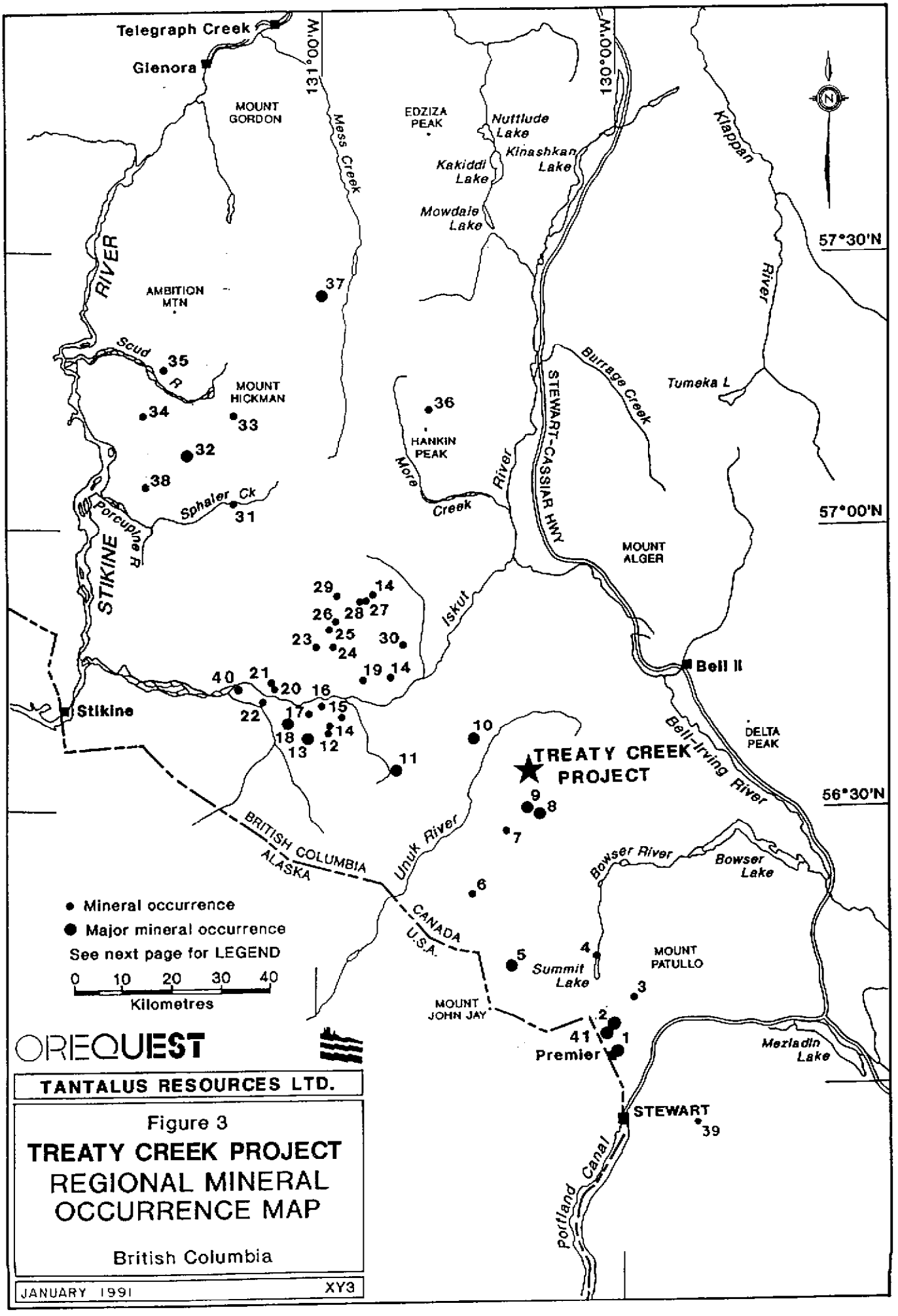
Telegraph Creek
Glenora
131°00'W
130°00'W
MOUNT GORDON
Mess Creek
EDZIZA PEAK
Nuttlude Lake
Kakiddi Lake
Kinashkan Lake
Mowdale Lake
Klappan River
57°30'N
RIVER
AMBITION MTN
37
Scud R
35
MOUNT HICKMAN
34
33
32
38
Sphaler Ck
31
Porcupine R
STIKINE
36
HANKIN PEAK
More Creek
River
STEWART-CASSIAR HWY
Burrage Creek
Tumeka L
57°00'N
MOUNT ALGER
29
14
26
28
27
25
23
24
30
Iskut
19
14
40
21
20
16
22
17
15
14
18
12
13
Stikine
11
10
Bell II
DELTA PEAK
TREATY CREEK PROJECT
Bell-Irving River
56°30'N
9
8
7
BRITISH COLUMBIA
ALASKA
Unuk River
Bowser River
Bowser Lake
6
CANADA
U.S.A.
5
4
Summit Lake
MOUNT PATULLO
3
MOUNT JOHN JAY
2
41
1
Premier
Mezladin Lake
STEWART
39
Portland Canal
• Mineral occurrence
● Major mineral occurrence
See next page for LEGEND
0 10 20 30 40
Kilometres
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Figure 3
TREATY CREEK PROJECT
REGIONAL MINERAL OCCURRENCE MAP
British Columbia
JANUARY 1991
XY3

LEGEND FOR FIGURE 3

	PROPERTY OWNER AND/OR NAME	MINERAL RESERVES AND/OR ELEMENTS
1	Westmin Resources Ltd./Silbak Premier Mines	6,100,000 tons 0.064 oz/t Au, 2.39 oz/t Ag
2	Westmin Resources Ltd./Tournigan Mining Explorations Ltd.	1,860,000 tons 0.09 oz/t Au, 0.67 oz/ton Ag
3	Noranda (Todd Creek Project)	Au
4	Scottie Gold Mine	Au
5	Granduc	10,890,000 tons 1.79% Cu
6	Echo Bay Mines/Magna Ventures/Silver Princess Resources (Doc Project)	470,000 tons 0.27 oz/ton Au, 1.31 oz/ton Ag
7	Western Canadian Mining (Kerr Project)	Cu, Au
8	Exponential Holdings Ltd. (Gold Wedge)	337,768 tonnes 25.78 g/tonne Au, 36.65 g/tonne Ag
9	Newhawk/Lacana/Granduc (Sulphurets Project - West Zone)	550,000 tons 0.42 oz/t Au, 18.0 oz/ton Ag
10	Prime/Stikine Resources Ltd. (Eskay Creek Project)	1,992,000 tons 1.47 oz/t Au, 55.77 oz/t Ag
11	Consolidated Silver Standard Mines Ltd. (E & L Deposit)	3,200,000 tons 0.80% Ni, 0.60% Cu
12	Inel Resources Ltd.	Au, Ag, Cu, Pb, Zn
13	Skyline Gold Corporation (Johnny Mountain)	740,000 tons 0.52 oz/ton Au, 1.0 oz/ton Ag
14	Kestrel Resources Ltd.	Au, Ag, Cu, Pb, Zn
15	Hector Resources Inc. (Golden Spray Vein)	Au, Ag
16	Tungco Resources Corp.	Au, Ag, Cu, Pb, Zn
17	Winslow	Au, Ag, Cu, Pb, Zn
18	Cominco/Prime (Snip Deposit)	1,030,000 tons 0.88 oz/ton Au
19	Pezgold Resource Corp.	Ag, Au
20	Meridor Resources Ltd.	Au
21	Prime/American Ore Ltd./Golden Band	Au
22	Magenta Development Corp./Crest Resources Ltd.	Au, Ag, Cu, Pb
23	Ticker Tape Resources Ltd. (King Vein)	Au
24	Pezgold Resource Corp.	Au
25	Consolidated Sea-Gold Corp.	Au
26	Gulf International Minerals Ltd. (Northwest Zone)	Au, Ag, Cu
27	Kerr Claims	Ag, Cu, Au
28	Pezgold Resource Corp. (Cuba Zone)	Ag, Pb, Zn
29	Pezgold Resource Corp. (Ken Zone)	Cu, Au
30	Avondale Resources Inc. (Forrest Project)	Au, Ag, Cu
31	Pass Lake Resources Ltd. (Trek Project)	Cu, Au
32	Galore Creek	125,000,000 tons 1.06% Cu, 0.397 g/t Au, 7.94 g/t Ag
33	Continental Gold Corp.	Au, Ag, Cu
34	Bellex Resources Ltd./Sarabat Resources Ltd. (Jack Wilson Project)	Au, Cu
35	Pass Lake Resources Ltd. (JD Project)	Au, Cu
36	Lac Minerals (Hankin Peak Project)	Au
37	Schaft Creek	910,000,000 tons 0.30% Cu, 0.020% Mo, 0.113 g/t Au, 0.992 g/t Ag
38	Paydirt	200,000 tons 0.120 oz/ton Au
39	Bond International Gold (Red Mountain)	Au, Ag
40	Eurus/Thios (Rock & Roll)	Ag, Pb, Zn, Cu, Au
41	Westmin Resources Ltd. (SB)	308,000 of 0.505 oz/ton Au, 1.07 oz/ton Ag

is by no means comprehensive but is included to illustrate distribution in the region.

The Treaty Creek Project is located on the northern flank of the Iskut-Sulphurets area which has seen extensive exploration in the last three years. The Iskut area originally attracted interest at the turn of the century when prospectors, returning south from the Yukon goldfields searched for placer gold and staked bedrock gossans. In the 1970s the porphyry copper boom drew exploration into the area. The new era of gold exploration began with the 1979 option of the Sulphurets claim block by Esso Minerals Canada and the 1980 acquisition of the Mount Johnny claims by Skyline Explorations Ltd. Skyline (now Skyline Gold Corporation) commissioned its mill in July, 1988, however production has been suspended temporarily. Cominco Ltd. and Prime Resource Group Inc. have recently put the adjacent Snip deposit into production.

Beyond these projects, and except for limited early placer gold recovery from some creeks, the area has had no mineral production history. Since 1979, more than 70 new mineral prospects have been identified, though ground acquisition was relatively slow until the fall of 1987 when the promising results of summer exploration programs became known and the provincial government announced the release of analytical results from a regional stream sediment survey.

In the Sulphurets Creek camp 8 km south of the Treaty Creek Project, near Brucejack Lake, the vein-hosted West Zone of Newhawk Gold Mines Ltd. / Granduc Mines Ltd. / Corona Corporation is reported to contain a diluted minable reserve of 550,000 tons grading 0.42 oz/ton gold and 18.0 oz/ton silver (The Northern Miner, Vol. 76, #36, Nov. 12, 1990) while the Snowfield Gold Zone and Sulphurets Lake gold zone are bulk tonnage low grade deposits containing 7.7 million tons of 0.075 oz/ton gold and 20 million tons of 0.08 oz/ton gold respectively (GCNL Aug. 24, 1989). Newhawk has recently completed a feasibility study which has indicated that current gold and silver prices preclude production at present. Exponential Holdings Ltd.'s Gold Wedge Property is reported to contain 337,768 tonnes of 25.78 grams/tonne gold and 36.65 grams/tonne silver, partly in the Golden Rocket Vein in a similar setting (GCNL, November 23, 1990). The northern boundary of the Newhawk/Granduc/ Corona ground adjoins the southern claim boundary of the Treaty Creek Project. Also located in this area is Placer Dome Inc.'s Kerr property, a porphyry copper-gold occurrence to which they have assigned a geological resource of 138,000,000 tons grading 0.61% copper and 0.01 oz/ton gold (Placer Dome Inc. Annual Report, 1989).

On the Snip property situated 60 km west of the Treaty Creek Project, the Twin Zone, a 3 to 25 ft thick discordant shear vein cuts a thickly bedded sequence of intensely carbonatized feldspathic wackes and siltstones. Twin Zone reserves in all categories have been reported as 1,030,000 tons of 0.88 oz/ton gold (Canadian Mines

Handbook, 1990-91). This does not include additional reserves which may be developed outside the Twin Zone. Twin Zone mineralization occurs in a banded shear zone comprising alternating bands of massive calcite, heavily disseminated to massive pyrite, crackle quartz and thin bands of biotite-chlorite.

At Skyline's nearby Johnny Mountain Mine, reserves in all categories are estimated at 740,000 tons of 0.52 oz/ton gold and 1.00 oz/ton silver with copper, zinc, and lead (Canadian Mines Handbook, 1990-91). Five major areas of gold-bearing sulphide are known. The most important Stonehouse Zone consists of sulphide-potassium feldspar-quartz vein and stockwork systems which have been only partly explored. The Johnny Mountain Mine has been indefinitely shut down pending an increase in gold prices, definition of remaining mineable reserves and road access.

The most recently discovered and perhaps the most exciting gold mineralization occurs on the Eskay Creek property of Prime Resources Group Inc./Stikine Resources Ltd., located 20 km west of the Treaty Creek Project. Several types and styles of mineralization are present at Eskay Creek, the most significant of which are: a) a gold and silver-rich assemblage of disseminated to near-massive stibnite and realgar within a carbonaceous mudstone-rhyolite breccia "contact zone"; and, b) stratiform banded base metal sulphide layers with high gold and silver values in the contact zone and in a hanging wall andesite flow and sill complex with intercalated mudstone. The latter

type accounts for most of the reserves. This stratigraphy appears to be at or near the contact between the Mt. Dilworth (felsic volcanics) and Salmon River (primarily sediments) Formations.

Numerous Calpine (now Prime)/Stikine news releases have announced results from over 600 drill holes completed from 1988 to the present, the most spectacular of which is hole CA-89-109 which produced 682.2 feet of 0.875 oz/ton gold. Published preliminary reserve calculations done in-house by Prime, based on drilling up to end of 1990 indicate probable geological reserves of 2,164,000 tons grading 1.41 oz/ton gold and 51.9 oz/ton silver (Prime Resource Group Inc. news release, March 7, 1991). The company is currently driving an exploration drift to test the deposit at depth for continuity and to conduct metallurgical testing.

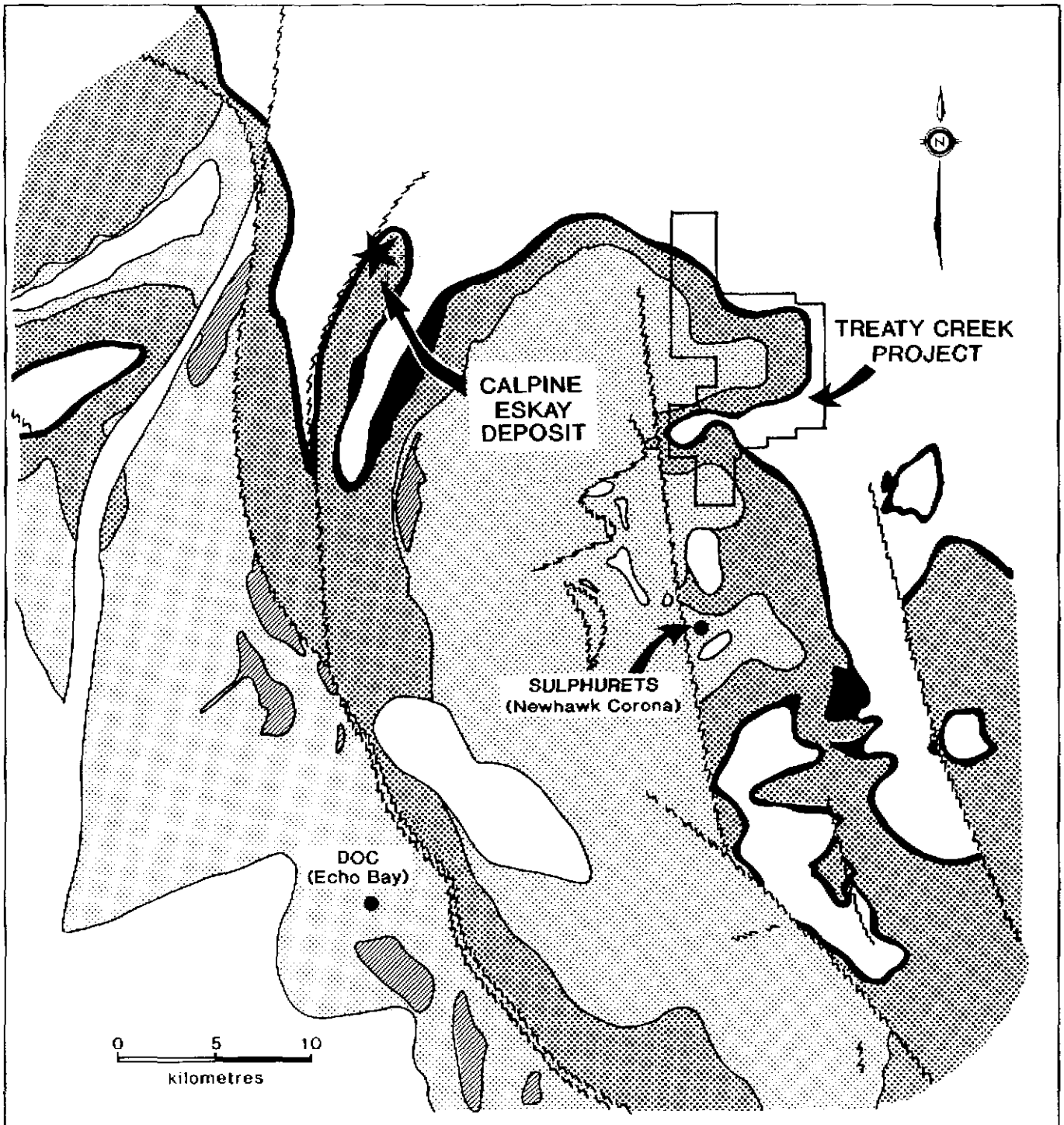
Immediately south of the Eskay deposit, American Fibre Corporation and Silver Butte Resources are in a joint venture on the SIB Project, on ground that hosts the same stratigraphy as the Eskay deposit. Results from recent drilling have returned results of 0.421 oz/ton gold and 30.91 oz/ton silver over 46.9 ft from hole 90-30 (Vancouver Stockwatch, October 10, 1990). Results from the final 1990, 26 hole program included values of 0.13 oz/ton gold over 6.3 ft and 0.13 oz/ton gold over 19 ft both in hole 90-38 (GCNL, November 5, 1990).

Elsewhere in the area Tymar Resources and Akiko-Lori Gold Resources have been drilling on the Lakewater Project which adjoins the Prime/Stikine project to the west. The companies are drilling a 320 m wide gap in the American Fibre/Silver Butte SIB claims within which the favourable Eskay deposit stratigraphy occurs. Results have been encouraging and include the following: 9.8 ft of 1.197 oz/ton gold, 1.7 oz/ton silver, 0.73% lead and 0.72% zinc (LW90-2), 3.3 ft of 0.115 oz/ton gold (LW90-3) and 16.4 ft of 0.042 oz/ton gold (LW90-6), (*Vancouver Stockwatch, October 30, 1990*).

REGIONAL GEOLOGY

The Treaty Creek property lies within the Iskut River map area (NTS 104B) which encompasses an important geological transect through the west-central Cordillera. The area is underlain by the Stewart Complex (Grove 1971, 1986) which includes Late Paleozoic and Mesozoic rocks, confined by the Coast Plutonic Complex to the west, the Bowser Basin to the east, Alice Arm to the south and the Iskut River to the north. A simplified representation of the regional geology setting after Alldrick (1989) appears in Figure 4.

Grove (1971, 1986) established the modern stratigraphic, plutonic and metalogenic framework for the Stewart mining district. Alldrick (1983, 84, 85, 87), Alldrick et al. (1987, 89), Alldrick and Britton (1988), and Britton and Alldrick (1988) have redefined and extended the Mesozoic stratigraphy around the Silbak Premier and Big Missouri mines north to the Sulphurets and Bronson Creek Camps.



Regional Geology from Alldrick, 1989

PERIOD	FORMATION	GROUP
M.Jur	Ashman	BOWSER LAKE
	Salmon River	SPATSIZI
190 Ma	Mount Dilworth	
L. Jur	Betty Creek	HAZELTON
210 Ma	Unuk River	
U.Tri		STUHINI

6 Km

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Figure 4

TREATY CREEK PROJECT

REGIONAL GEOLOGY

British Columbia

NTS 104B/9W,E

January 1991 XY3

The stratigraphy and plutonic framework are most simply described in terms of four tectonostratigraphic elements: Paleozoic Stikine Assemblage, Triassic and Jurassic Stikinian strata and plutons, Middle and Upper Jurassic Bowser Lake Group and Tertiary Coast Plutonic Complex (Anderson, 1989). Of particular interest to mineral explorationists are the Lower Jurassic volcanics and associated Early Jurassic alkaline granitic rocks of the Stikinian assemblage; many of the precious metal vein deposits seem to be associated with them (eg. Premier, Big Missouri, Silver Butte, Sulphurets camp).

The Hazelton Group encompasses Lower Jurassic Unuk River and Betty Creek Formation volcanics along with Middle Jurassic Mt. Dilworth Formation volcanogenic rocks. These are overlain by upper Middle Jurassic sediments of the Salmon River Formation and Upper Jurassic Bowser Lake Group sediments.

The Unuk River Formation in the eastern Iskut River map area is dominated by white and grey-brown andesitic volcanic breccia and thin-bedded lava (Anderson and Thorkelson, 1990). West of the Bowser River, the volcaniclastics grade into a sedimentary unit, dominated by siliceous siltstone and subordinate pebble conglomerate and greywacke.

The Betty Creek Formation, conformably overlying the Unuk River Formation, contains characteristic hematitic maroon to green volcanic siltstone, greywacke, conglomerate and breccia. The members are massive, thick- or medium-bedded. The clastic sediments have likely

been derived by weathering and erosion of Unuk River Formation tuffs and flows. Areas where Betty Creek Formation thins or wedges out represent paleotopographic highs.

In the eastern Iskut River map area, the Mount Dilworth Formation is the least heterogeneous and most extensive marker within the Hazelton Group. It consists of distinctive white, maroon or green weathering, siliceous felsic welded tuff and tuff breccia (Anderson, 1989). This thin, distinctly colored unit is resistant, a cliff-former and is an important regional stratigraphic marker (Alldrick, 1988). The formation represents airfall deposits from a series of subaerial explosive felsic volcanic eruptions, and indicates the last volcanic event of Hazelton Group volcanism.

The Salmon River Formation in this area is a thick assemblage of thin to medium-bedded siltstones and wackes and is comprised of two members. A thin, sandy, bioclastic limestone occurs at the base with the overlying member having three facies that form north-trending belts.

Plutonic rocks occur throughout the Iskut map area, but dominate in the southwest. In the past geologists have included all granite plutons as part of the Tertiary Coast Plutonic Complex. Recent mapping and geochronometry have helped to define the plutonic episodes. At least four episodes are recognized (Anderson, 1989) as follows:

1. Late Triassic - Stikine plutonic suite
2. Early Jurassic - Texas Creek plutonic suite
3. Middle Jurassic - Three Sisters plutonic suite
4. Eocene - Hyder plutonic suite.

The Early Jurassic Texas Creek plutonic suite is coeval with eruption of Lower Jurassic Hazelton Group volcanic rocks, and is crosscut by alkali - feldspar - phyric andesite dykes, ie "Premier Porphyry" dykes (Anderson & Bevier, 1990). These dykes are thought to have fed the porphyritic volcanic flows present at the top of the Unuk River andesitic sequence.

Recent age dating has identified the Three Sisters plutonic suite as Middle Jurassic.

The Tertiary Hyder plutonic suite of the Coast Plutonic Complex lacks dykes and preserved volcanic equivalents. Tertiary plutons crosscut all regional structural fabrics and are post-tectonic (Anderson & Bevier, 1990).

The regional structural pattern is a north - northwest - striking system of open to tight folds. The axial planes dip steeply west-southwest and the folds are doubly plunging, creating a series of canoe-shaped synclinal troughs in the Long Lake area.

During the Cretaceous, moderate deformation with lower greenschist facies regional metamorphism along north-trending fold axes took place and major folds and slaty cleavage were formed (Alldrick, 1986).

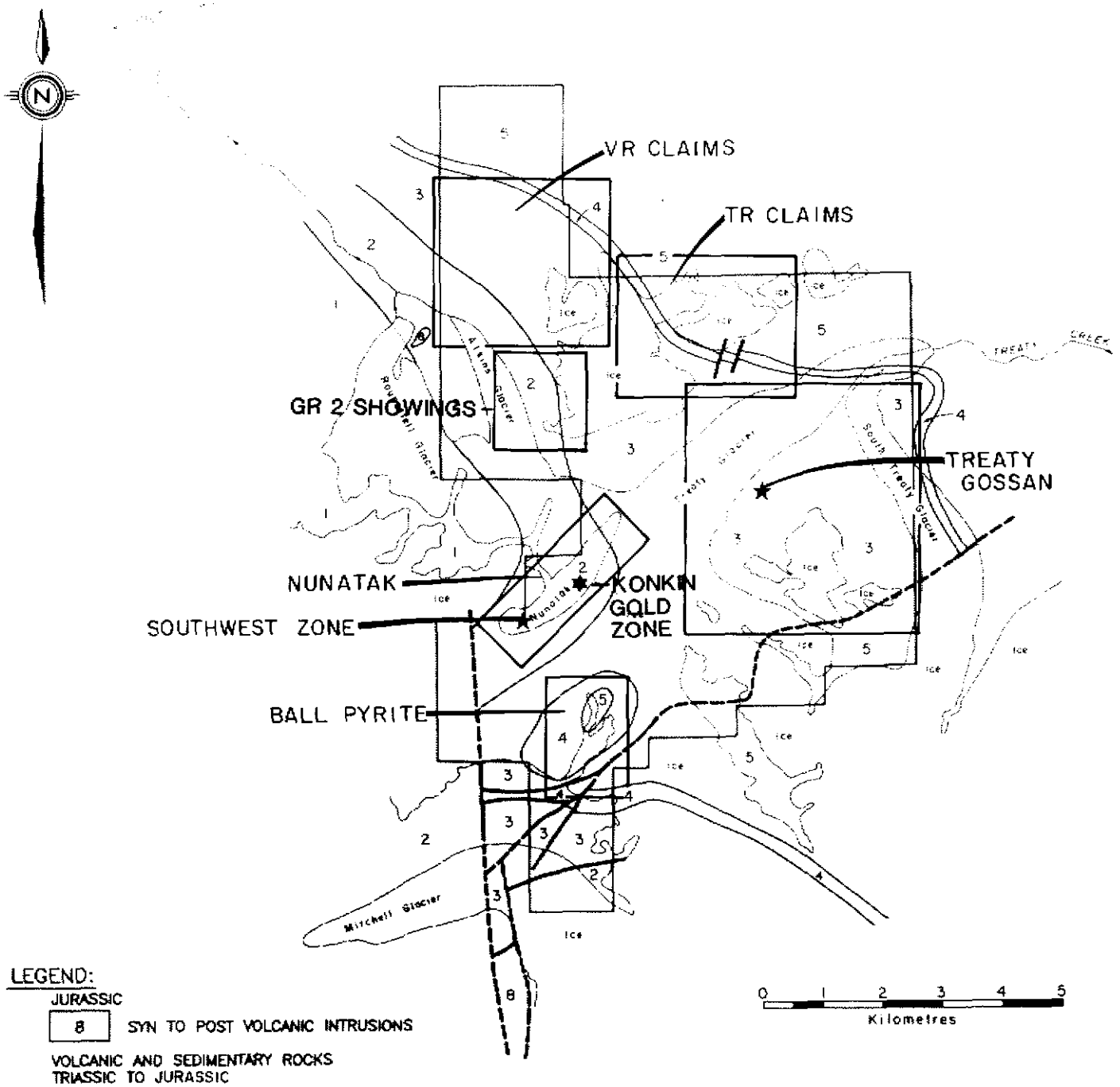
Precious and base metal veins developed in the area occur within the Upper Triassic (Kerr, Doc, Inel, Snip, and Stonehouse deposits), Lower Jurassic (Premier and Sulphurets deposits) and lower Middle Jurassic (Eskay creek deposit) strata. For many deposits (Premier, Kerr, Inel and Snip) proximity to Early Jurassic calc-alkaline to alkaline plutonic intrusions, especially the alkali-feldspar porphyry variety (Premier porphyry) seems to be the main control, in which case the host strata are of secondary importance.

The Eskay Creek deposit is an important exception where the precious metal veins seem to be mainly stratabound within a sedimentary and pillowed lava sequence of the Eskay Creek facies of the Salmon River Formation (Anderson, Thorkelson & Bevier, 1990).

EXPLORATION PROGRAM

The 1990 exploration program initially focused on the Treaty Gossan area, with limited reconnaissance mapping and prospecting carried out over areas not covered by the 1989 program or which warranted additional work. During this reconnaissance work the new showings on the GR2 claim were located and followed up with the work described herein. (Figure 5)

NOTE Geology after D.J. Alldrick & J.M. Britton, 1988
D.J. Alldrick, 1989



LEGEND:

JURASSIC

8 SYN TO POST VOLCANIC INTRUSIONS

VOLCANIC AND SEDIMENTARY ROCKS
TRIASSIC TO JURASSIC

MIDDLE JURASSIC : SPATSIZI GROUP

5 SILTSTONE SEQUENCE
Salmon River Formation – sandstone, siltstone

LOWER JURASSIC : HAZELTON GROUP

4 FELSIC VOLCANIC SEQUENCE
Mount Dilworth Formation – rhyolite to dacitic volcanics

3 PYROCLASTIC – EPICLASTIC SEQUENCE
Betty Creek Formation – pyroclastic volcanics and sediments

2 ANDESITE SEQUENCE
Upper Unuk River Formation – andesite sequence

1 LOWER SEDIMENTARY SEQUENCE
(Lower Unuk River Formation) – clastic sediments

SYMBOLS

GEOLOGIC CONTACT - approximate

FAULT (defined, inferred)

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Figure 5

TREATY CREEK PROJECT

PROPERTY GEOLOGY AND INDEX MAP

British Columbia
NTS: 104 B/9E

December 1990 Drafting: RWR

A grid baseline was established across the centre of the GR-2 claim showings trending 190^{o} for a distance of 800 m. Cross lines were spaced at either 50 or 100 m intervals extending east and west of the baseline past the zone or to the limits of traversable topography. Areas with significant outcrop exposure have a 50 m line spacing while large expanses of snow and ice or talus cover have a 100 m line spacing. The terrain in the area of the showings is steep with lots of loose talus, snow and ice cover. The grid was used as control for detailed geological mapping, hand trenching, rock chip sampling and a UTEM geophysical survey.

A total of 5.225 km of grid was established which includes the 0.8 km of baseline. The UTEM survey was completed on selected lines, those being the ones that were traversable. A total of 3.1 line km of UTEM were completed before the onset of inclement weather. One hundred thirty rock samples were collected of which 67 were grab samples, 31 chip samples over untrenched outcrops and 32 chip samples from the trenches. Chip samples were taken over variable widths but average 1-2 m.

The exploration program on the Treaty Gossan, consisted of grid establishment, detailed geological mapping, prospecting, geochemical rock and soil sampling and magnetic and electromagnetic geophysical surveys.

All the surveys except prospecting were confined to the grid area. The grid was established at the northeastern edge of the gossan area with the baseline trending 225^{o} for a distance of 2.5 km. Crosslines were located at 100 m intervals with lines to the northwest and southeast extended to the limits of traversable topography. All lines are a combination of picketed and flagged stations. Pickets were erected at 50 m intervals with flagging marking the intermediate stations resulting in a 25 m station spacing.

A total of 18.975 line km of grid was established with magnetic and electromagnetic surveys each totalling 14.075 line km.

Other areas of the property which received limited exploration included the area southeast of the Treaty Gossan to attempt to trace the Mt. Dilworth Formation and areas north and east of the GR-2 showings.

GR-2 SHOWINGS - GEOLOGY AND MINERALIZATION

The new showings were discovered during reconnaissance mapping and prospecting on the GR-2 claim. Float samples of massive galena were found which were then traced back to the source. The initial prospecting and preliminary mapping was done at a scale of 1:1,000 for each showing then integrated onto two maps as shown on Figures 6 and 7.

The area is located near the head of Atkins Glacier on a ridge that separates Atkins Glacier from the main Treaty Glacier. Elevations range from 1450 m on the east side of Atkins Glacier to almost 2000 m at the top of the ridge. Ice and talus cover much of the area limiting outcrop exposures and making access difficult.

The major showings represent portions of shear zones hosted by rocks of the Betty Creek Formation, consisting of interbedded andesitic volcaniclastics, breccias and siltstone. The shears generally have a north to north-northeast strike, a near vertical dip and are up to 50 m wide. Hydrothermal alteration forming sericite, quartz, clays, calcite, pyrite and barite has locally partially to completely replaced the host rocks along these zones.

Zone A

This showing covers an area of about 30 x 30 m consisting mostly of talus with a few tiny outcrops. Numerous boulders with up to 20% pyrite, 40% limonite, 60-70% galena, 2-3% chalcopyrite, wad and minor azurite-malachite staining are scattered over the area. A trail of heavily mineralized boulders appears to be the surface expression of an underlying shear vein which where exposed does not exceed 40 cm in width. The apparent strike of the vein is northeast-southwest. The showing appears to represent a series of discrete northeast trending shear veins developed in andesite lapilli tuffs over a width of

approximately 20 m. Varying degrees of sericite, quartz, pyrite and calcite alteration are present across the zone.

Samples from Zone A returned the highest gold assays received, 0.170 oz/ton (#34504) and 0.401 oz/ton (#34505), while silver assays from these samples are 5.30 oz/ton and 4.90 oz/ton respectively. Base metals values are also anomalous with up to 1.65% copper (#34509), 28.6% lead (#34504), and 37.4% zinc (#34507). All of the previously mentioned results were from float samples of sulphide bearing vein material.

Zone B (Mama Susu)

Numerous boulders containing up to 60-70% galena, 10% stibnite, 2-3% chalcopyrite, minor pyrite, wad, limonite and traces of malachite-azurite and sphalerite occur over a talus covered area measuring approximately 50 m by 20 m. The mineralization is related to a 20 m wide shear zone developed in andesitic pyroclastics, a substantial portion of which have been almost totally replaced by sericite and quartz. This zone can be considered to be the northeast extension of the mineralization encountered in Zone A. Talus cover in the area between Zones A and B conceals any potential mineralization along the structure.

Results from Zone B were similar to those in Zone A with gold and silver assays of 0.207 oz/ton and 100 oz/ton (#34706) and 0.142 oz/ton and 83.1 oz/ton (#34513) respectively. These were both float samples

of massive sulphide material consisting predominantly of galena. Grab samples from outcrop include 0.045 oz/ton gold and 8.25 oz/ton silver (#34705) and 0.078 oz/ton gold and 6.91 oz/ton silver (#34514). Base metal assays were not as high as those from Zone A but are nonetheless significant. Sample #34706 contained the highest copper (0.78%), lead (20.7%) and zinc (1.06%). Other values of significance are lead 10.9% (#34513) and 3.99% (#34514).

Zone C (Big Pella)

As in Zones A and B the area is extensively talus covered and likely represents a northeast striking shear zone, developed in andesite pyroclastics and siltstones. It is 10-15 m wide and can be traced for approximately 50 m before being lost in talus cover. The zone is almost completely sericitized and locally silicified with up to 10% disseminated pyrite and pockets of up to 90% massive stibnite, 30% galena, and 50% pyrite. Some boulders indicate that nearby exposures of quartz cemented breccia constitute part of the zone.

Zone C analyses were the lowest of all of the zones with gold values ranging from a low of 0.004 oz/ton to a high of 0.016 oz/ton in sample #34515. Silver values were higher, however well below Zone A and B levels, ranging from 1.14 oz/ton to a high of 11.7 oz/ton (#34516). This is likely related to the low base metal content which returned only two anomalous lead values, from samples #34516 (1.55%) and #34515 (1.27%). Sample #34515 is possibly in place while #34516 is float material.

Zone C-1

Zone C-1, believed to be an extension of Zone C, is located 300 m to the south-southwest. The zone consists of several quartz veins up to 50 cm wide carrying galena, minor chalcopyrite and abundant manganese stain. The veins are hosted by pyroclastics and sediments of the Betty Creek Formation and strike north to northeast. Several grab samples collected from the zone assayed anomalous gold values up to 370 ppb (#34726). Silver assays returned higher values of 8.99 oz/ton (#34711), 9.44 oz/ton (#34726), 12.64 oz/ton (#34724) and 27.4 oz/ton (#34707). Base metal values were low with a maximum of 0.2% copper (#34707), 16.3% lead (#34724) and 0.39% zinc (#34708).

Showings D, E, F

These showings are all located in a small valley containing an out flow stream fed by an icefield, and are separated from each other by varying widths of less intensely altered (sericite - calcite - chlorite - limonite) andesitic pyroclastics and siltstones. They consist of shear zones 30, 20 and 50 m wide separated by 70 and 100 m respectively, all striking northeast-southwest. All are very strongly to completely altered to sericite with auxiliary quartz and disseminated pyrite (up to 5%). Locally they contain pockets of massive sulphide with galena (up to 30%), pyrite (up to 50%), limonite (up to 50%), sphalerite (up to 10%) and minor stibnite, wad and malachite-azurite staining.

The massive sulphide bodies constitute irregular pods, up to 130 cm in diameter with no apparent prevalent attitude, but many of the pods are only partially exposed by trenches, so their full extent remains to be determined. The sulphides include galena, pyrite and stibnite (constituting up to 50% of the pod) with lesser amounts of sphalerite, chalcopyrite and arsenopyrite. In places these minerals are totally oxidized to limonite, manganese-oxides and malachite-azurite. The bulk of the mineralization occurs in strongly fractured to brecciated zones, which occur more frequently in the siltstone unit. The mechanism controlling emplacement of these sulphide bodies is not yet known however it is possible that faults cross cutting the major shear zones acted as ground preparation for ore bearing solutions.

The presence of stibnite as well as very well defined colloform textures in the sulphides (R. Kirkham -personal communication) point to an epithermal origin of the mineralization, although part may have originated in a much higher temperature regime as indicated by the very coarse grained textures of some of the sulphides.

Copper and zinc values ranged from 0.01% to 0.2%, and 0.01% to 0.39% respectively. Significant lead assays include the following: 6.50% (#34707), 9.47% (#34728), 11.96% (#34726) and 16.30% (#34724). All of the above samples are grab samples of outcrop or subcrop.

Zone D samples referred to herein include grab samples only. The trench sampling will be discussed in detail in the following section. Gold and silver assays were generally low, with a high of 0.010 oz/ton gold in sample #34556 and 12.9 oz/ton silver in sample #34523. Base metals ranged from 0.01% to 0.73% copper, 0.04% to 2.86% lead, and 0.07% to 3.73% zinc. All the highest base metal assays were derived from sample #34523 which consisted of strongly sericitized andesitic tuffs with 1-2% galena, limonite and wad. All of the above samples were collected from subcrop.

Gold assays from Zone E were quite low, ranging from below detection limits to 0.006 oz/ton (#34525). Silver was also low though 3 samples assayed >2 oz/ton including 20.4 oz/ton from sample #34526. Copper ranged from 97 ppm to a high of 0.10% (#34526), lead from 352 ppm to 3.31% (#34526) and zinc from 81 ppm to 0.34% (#34524). Samples #34524 and #34525 are float material while #34526 was a 1.0 m chip sample of intensely sericitized andesitic tuffs? with 2-3% pyrite, 3-5% galena and abundant limonite. The UTEM survey shows a weak conductor associated with this showing which continues southwest under the icefield.

Zone F received the bulk of the detailed work based on the intensity and extent of surface alteration, and high grade sulphides exposed at surface. Gold and silver results were low, ranging from 20 ppb to a high of 550 ppb gold in massive sulphide (#46017) and two significant silver assays of 11.18 oz/ton (#46014) and 53.53 oz/ton

(#46017). Base metal results were lower than expected except for select grabs which assayed as high as 42.70% lead (#46017) and 9.16% lead (#34531). Copper values were low except for sample #46017 which assayed 6058 ppm. Zinc returned three strongly anomalous values of 5.16% (#46017), 6.72% (#34530) and 8.29% (#34531). Samples #34530 and #34531 consisted of mineralized silicified siltstone and andesite tuff respectively.

This zone is contained within the main UTEM anomaly as interpreted by S. Visser in his report (Appendix I, Figures 6 and 7). It is described as either a number of closely spaced weak conductors or a wide conductive zone. Anomalous values in gold (0.01 oz/ton), silver (13.13 oz/ton), copper (1436 ppm), lead (0.26%) and zinc (0.2%) have been returned from rock samples along this UTEM conductor trend northeast of Zone F. Abundant north to northeast shearing is evident in the limited outcrop throughout this area.

TRENCHING AND SAMPLING

The favourable results received from the numerous grab samples collected at the various showings prompted a more detailed trenching and chip sampling program. The initial program consisted of hand clearing of talus material over the most promising areas (Zone F) followed by systematic chip sampling. Sampling was carried out generally at 2 m intervals with 1 m chips over sections with significant visual mineralization.

The trenching program included some of the same areas that were chip sampled so as to allow a comparison of the results obtained from surface material vs. blasted material to see if assays varied due to either surficial enrichment or leaching of mineralization. Trenching was carried out by Tim Carlson Blasting Co. of Courtnay, B.C. and chip sampling of the trenches was done by OreQuest.

A total of 5 chip lines were completed; lines A-D on Zone F, and Line E over Zone E, Figures 6, 7 and 8, followed by 8 trenches which were drilled, blasted, excavated, and chip sampled. Trenches are labelled 1-4 on Zone F, 5 and 6 on Zone D and 7 and 8 on Zone C (Figures 9 to 13).

Lithologies encountered in the trenches are the same as on surface, consisting of andesitic pyroclastics and siltstone, strongly to completely sericitized with local development of silicification, pyritization and clay alteration. Alteration in trenches 7 and 8 (both Zone C) is dominated by clays.

Both chip lines A and B were completed over the same approximate area as covered by Trench 1. The exact correlation is not known as trenching removed the markers for the chip lines.

Results from chip line A, samples #34801-34808, Figures 6 and 7, were not as high as anticipated although significant results were received. Gold values were low, ranging from below detection limits

to a high of 150 ppb (#34805) which also contained the highest silver assay of 13.13 oz/ton, over a length of 2 m. Other silver assays range from 0.9 ppm to 17.2 ppm. The highest copper (756 ppm), lead (3.22%) and zinc (8678 ppm) are also from sample #34805. Excluding this sample copper ranged from 11-149 ppm, lead from 130-535 ppm and zinc from 91-1041 ppm. These results show a good correlaton with the trench samples as shown on Figures 9 and 10.

Results from chip line B were generally higher than those from line A. The highest gold (180 ppb), silver (9.30 oz/ton), copper (1436 ppm), lead (2.17%) and zinc (19606 ppm) are all from sample #34810, a 2 m chip of andesitic pyroclastics containing galena and pyrite. Sample #34811 also contained elevated silver (3.18 oz/ton) which when combined with sample #34810 yields a weighted average of 6.24 oz/ton silver over 4 m. This sample (#34811) also assayed 10725 ppm lead and 6127 ppm zinc.

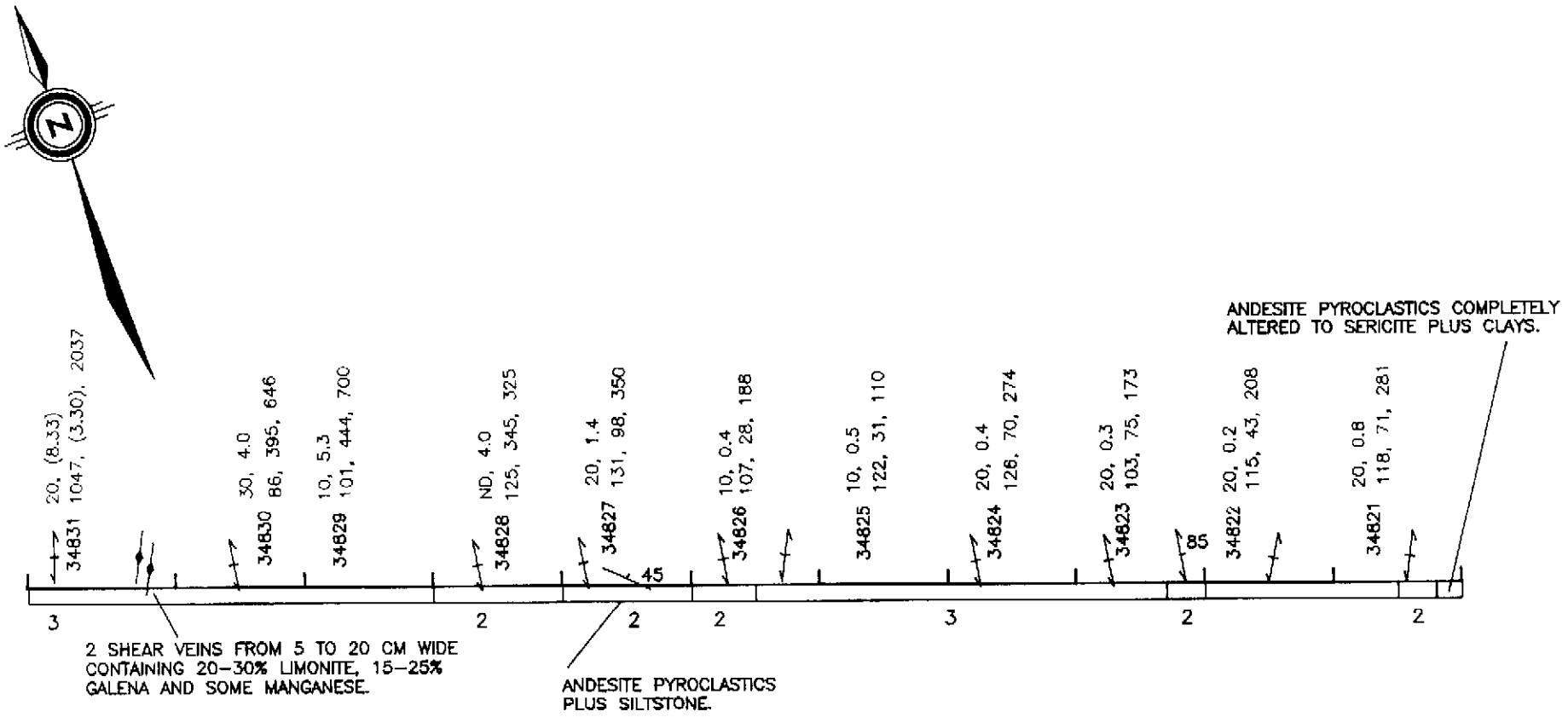
Chip line C, in the area of Trenches 3 and 4, contained gold values ranging from 20-180 ppb (#34816). Silver values were higher with 3 assays of >1 oz/ton including 10.82 oz/ton (#34815), a 1 m chip of andesite pyroclastics containing massive galena. When combined as a weighted average with surrounding samples silver assays 5.80 oz/ton over 3 m. Base metal results were also encouraging with sample #34815 containing the highest copper (1477 ppm), lead (7.53%), and zinc (7389 ppm) values. Sample #34816 assayed 3.31% lead which, when combined with #34815 gives a lead assay of 5.42% over 2 m.

Chip line D, also in the area of Trenches 3 and 4 returned gold assays from 40-110 ppm and silver from 15.1 to 22.0 ppm except sample #34817 which assayed 7.08 oz/ton silver. This sample also contained the highest copper - 1002 ppm, lead - 4.03%, and zinc - 4558 values from the zone. Other results include copper 61-122 ppm, lead 1577-11511 ppm and zinc, 1935-3987 ppm.

Chip line E (Figure 8) was was sampled across Zone E where up to 2.76 oz/ton silver was obtained in float and grab samples. Well developed north to northeast trending foliation, and southeast striking, moderate northeast dip bedding were observed in this area. The zone was not trenched as the steep slope made access with heavy equipment difficult. Results of 11 chip samples totalling 22.2 m were low in all elements except for #34831 at the west end of the zone. This 2.2 m chip contained two narrow shear veins composed of 15-20% galena which assayed 20 ppb gold, 8.33 oz/ton silver, 1047 ppm copper, 3.30% lead and 2038 ppm zinc. Assays from the other samples include the following: gold, (nd-30 ppb), silver, 0.2-5.3 ppm, copper, 86-137 ppm, lead, 28-444 ppm and zinc, 110-700 ppm.

Trench #1

This trench, located over Zone F, is underlain almost completely by andesitic pyroclastics with minor siltstones at the north end (Figure 9). Alteration includes limonite, sericite, clays and silica with a few minor northeast trending shears. Results of up to 180 ppb gold and 9.30 oz/ton silver over 2 m accompanied by strong base metal



LEGEND:

FAULT / SHEAR

FOLIATION (VERTICAL, INCLINED)

BEDDING (INCLINED)

VEIN (VERTICAL)

34837 ROCK CHIP SAMPLE NUMBER

60, 19.5 Au ppb, Ag ppm
BRACKETED Au & Ag FIGURES ARE IN (oz/ton)

1605, 870, 638 Cu, Pb, Zn VALUES IN ppm
BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)

ND NOT DETECTED

2 ANDESITE PYROCLASTICS STRONGLY ALTERED TO SERICITE, CALCITE AND LIMONITE.

3 ANDESITE PYROCLASTICS COMPLETELY ALTERED TO SERICITE, LOCALLY CONTAINING QUARTZ AND PYRITE (UP TO 5%). IN PLACES MINOR LIMONITE AND MANGANESE; STRONGLY LEACHED (COMMON BOXWORK AFTER PYRITE)

0 1 2 4
metres

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Figure 8
Skeena Mining Division
TREATY CREEK PROJECT
GR-2 SHOWINGS
CHIP LINE ACROSS ZONE E
GEOLOGY & ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

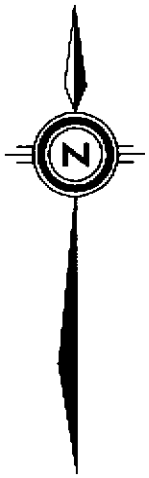
November 1990 Drafting: RWR

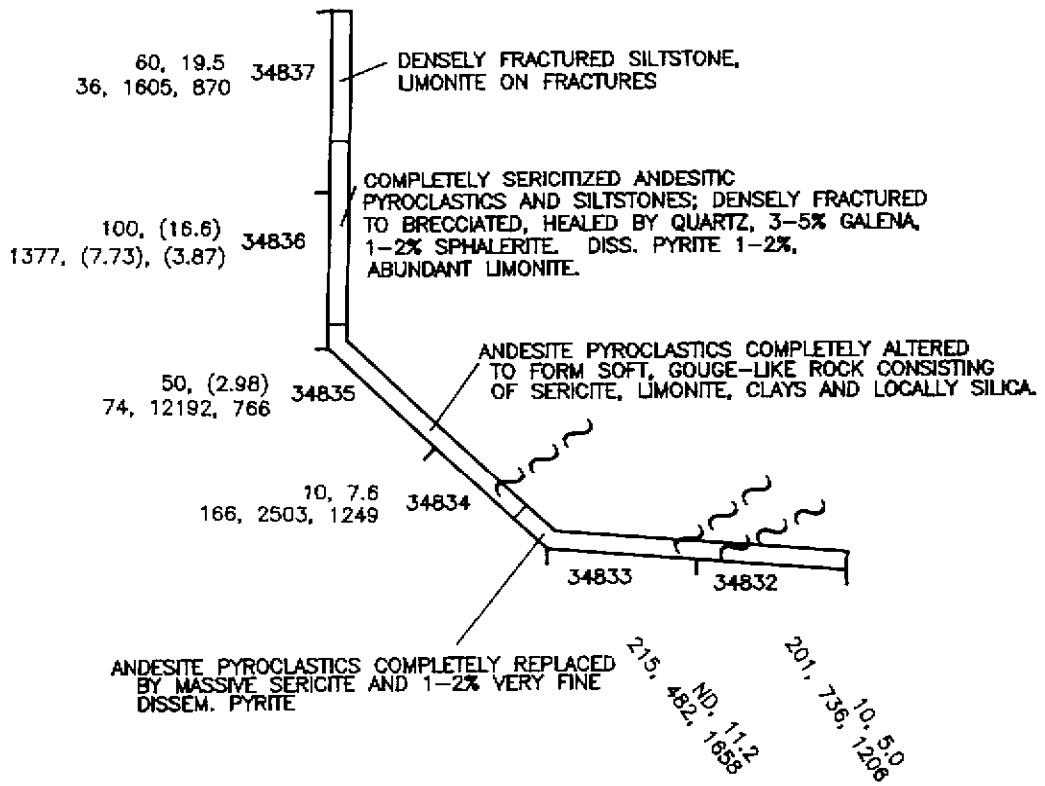
anomalies from previous chip samples in the area provided the location for the trench. Six chip samples for a total length of 12.2 m were collected from the trench with the highest results from sample #34836 which contained 100 ppb gold, 16.6 oz/ton silver, 1388 ppm copper, 7.73% lead and 3.87% zinc over 2.0 m toward the north end of the trench.

The sample contains 1.7 m of a 2.3 m long andesitic pyroclastic/ siltstone hosted breccia zone cemented by 3-5% galena, 1-2% sphalerite, 1-2% pyrite, limonite and quartz. The remaining 0.6 m of the breccia zone is contained in sample #34835 which assayed 2.98 oz/ton silver and 12192 ppm lead. The breccia zone is developed on the west side of a northeast trending shear zone. All of the samples from this trench contain assays significantly above background levels.

Trench #2

This trench, located on Zone F, has a total length of 6 m over which 4 samples were collected (Figure 10). It is underlain by intercalated andesite pyroclastics and siltstone. Alteration includes sericite, silica, limonite and manganese with pyrite, sphalerite, galena, and malachite stain. The trench was designed to trace rich mineralization which outcrops 5 m to 7 m to the southwest in the vicinity of trenches 3 and 4. Sample #34840, a 1 m chip of intensely sericitized and silicified andesitic pyroclastics with 20-30% galena, limonite, minor sphalerite and malachite assayed gold (400 ppb), silver (9.32 oz/ton), copper (1168 ppm), lead (7.70%) and zinc (9276





LEGEND:

~~	FAULT / SHEAR
34837	ROCK CHIP SAMPLE NUMBER
60, 19.5	Au ppb, Ag ppm BRACKETED Au & Ag FIGURES ARE IN (oz/ton)
1605, 870, 638	Cu, Pb, Zn VALUES IN ppm BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)
ND	NOT DETECTED

0 1 2 4
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 9
Skeena Mining Division
TREATY CREEK PROJECT
GR–2 SHOWINGS
TRENCH 1 – GEOLOGY & ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

November 1990 Drafting: RWR

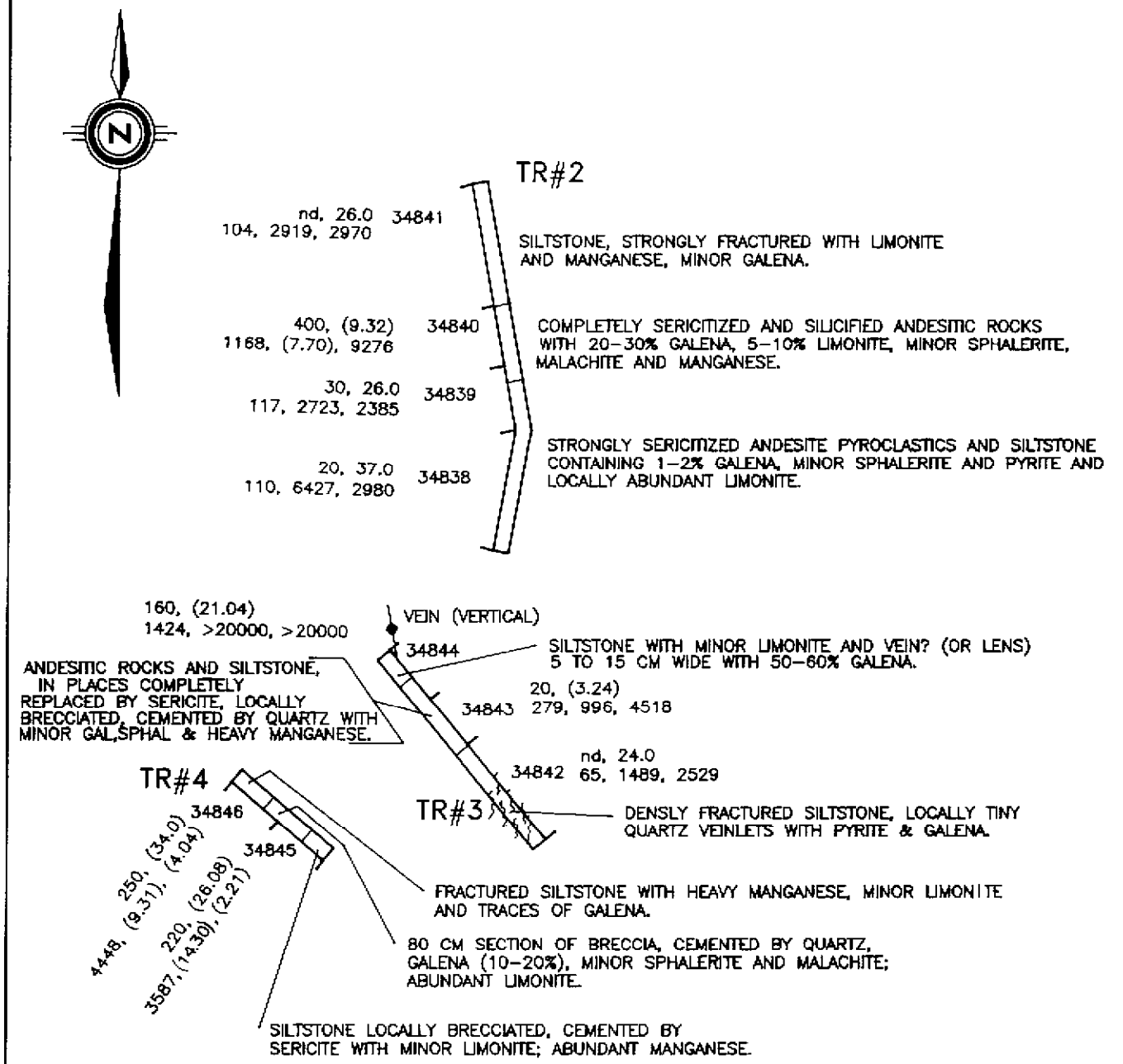
ppm). Excluding this sample other assays include gold (below detection limit - 30 ppb), silver 26-37 ppm), copper (104-117 ppm), lead (2723-6427 ppm) and zinc (2385-2980 ppm).

Trench #3

This trench, 4 m long, is also located on Zone F, 3 m south of trench 2 (Figure 10). It is underlain mainly by siltstone with minor intercalated andesite and local brecciated sections cemented with quartz and minor galena, sphalerite and abundant manganese. Galena is also present as small veins or lenses up to 15 cm wide striking north-northwest. Trenches 2, 3 and 4 were to test an area of highly anomalous results from grab samples (20-550 ppb gold, up to 53.53 oz/ton silver, 42.7% lead and 8.29% zinc) and chip samples (20-280 ppb gold, up to 10.82 oz/ton silver). Three samples were collected from the trench of which sample #34844, a weakly limonitic siltstone with a 5-15 cm galena vein, contained the highest gold (160 ppm), silver (21.04 oz/ton), copper (1424 ppm), lead (>20,000 ppm) and zinc (>20,000 ppm) over a 1 m chip. The other two samples from this trench also contained elevated silver, lead and zinc.

Trench #4

This small trench, 2 m total length, is also on Showing F (Figure 10). It is underlain by siltstone which is locally brecciated, sericitic, limonitic and contains abundant manganese. The breccia section is cemented by quartz, galena (10-20%), minor sphalerite and limonite. Results from this trench were very good. Over the length



LEGEND:

~~~ FAULT / SHEAR

34837 ROCK CHIP SAMPLE NUMBER

GAL = GALENA

SPHAL = SPHALERITE

60, 19.5 Au ppb, Ag ppm
BRACKETED Au & Ag FIGURES ARE IN (oz/ton)

1605, 870, 638 Cu, Pb, Zn VALUES IN ppm
BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)

nd NOT DETECTED

0 1 2 4
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 10
Skeena Mining Division
TREATY CREEK PROJECT
GR-2 SHOWINGS
TRENCHES 2,3 & 4 - GEOLOGY & ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

November 1990 Drafting: RWR
~~~

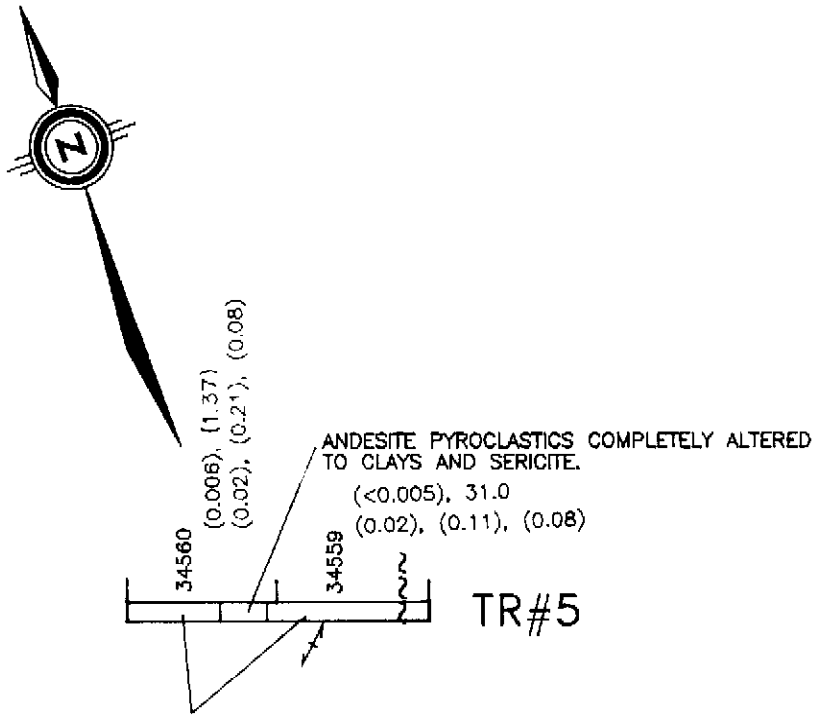
of the trench, (2 m) gold averaged 235 ppb, silver 30.04 oz/ton, copper 4017 ppm, lead 11.80% and zinc 3.12%.

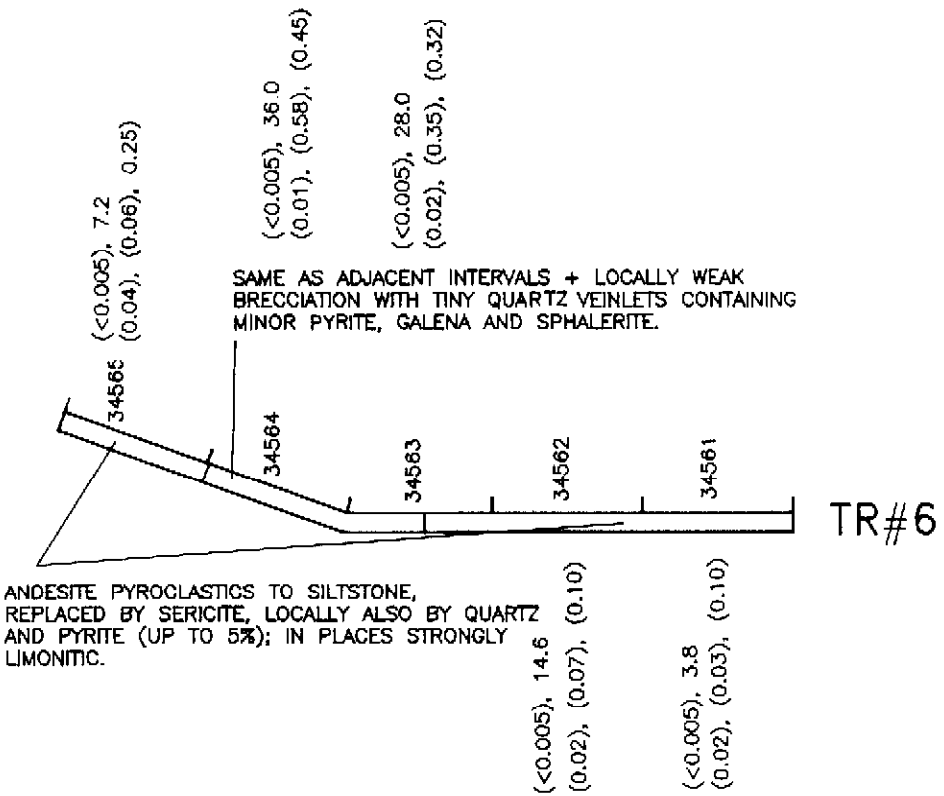
Trench #5

This trench, 4 m long, is located on Zone D and is underlain by andesite pyroclastics which have been completely altered to sericite and clays. Measurements of small shears and foliations indicate a northeast strike which is conformable with the larger scale shearing in the area. Trenches 5 and 6 were intended to trace the mineralization encountered in grab samples which contained gold values up to 0.010 oz/ton, silver to 12.9 oz/ton, copper from 0.01% to 0.173%, lead from 0.04% to 2.86% and zinc 0.07% to 3.73%. Two samples were collected, the results of which were quite low with gold (0.006 oz/ton), silver (1.37 oz/ton), copper (0.02%), lead (0.21%) and zinc (0.08%), all from sample #34560, a 2 m chip (Figure 11).

Trench #6

This trench, 10 m long, also located on Showing D, is underlain by andesite pyroclastics and siltstone which are partially replaced by sericite, quartz, pyrite and limonite. A small interval of brecciated rock containing tiny quartz crystals hosts minor pyrite, galena and sphalerite. The best result from the 5 samples collected from this brecciated unit was sample #34564 which assayed <0.005 oz/ton gold, 36 ppm silver, 0.01% copper, 0.58% lead and 0.45% zinc over a 2.0 m chip (Figure 11).





LEGEND:

~~	FAULT / SHEAR
⁄	FOLIATION (VERTICAL)
34837	ROCK CHIP SAMPLE NUMBER
60, 19.5	Au ppb, Ag ppm
1605, 870, 638	Cu, Pb, Zn VALUES IN ppm
nd	NOT DETECTED

BRACKETED Au & Ag FIGURES ARE IN (oz/ton)
BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)

0 1 2 4
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 11
Skeena Mining Division
TREATY CREEK PROJECT
GR-2 SHOWINGS
TRENCHES 5 & 6 – GEOLOGY & ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

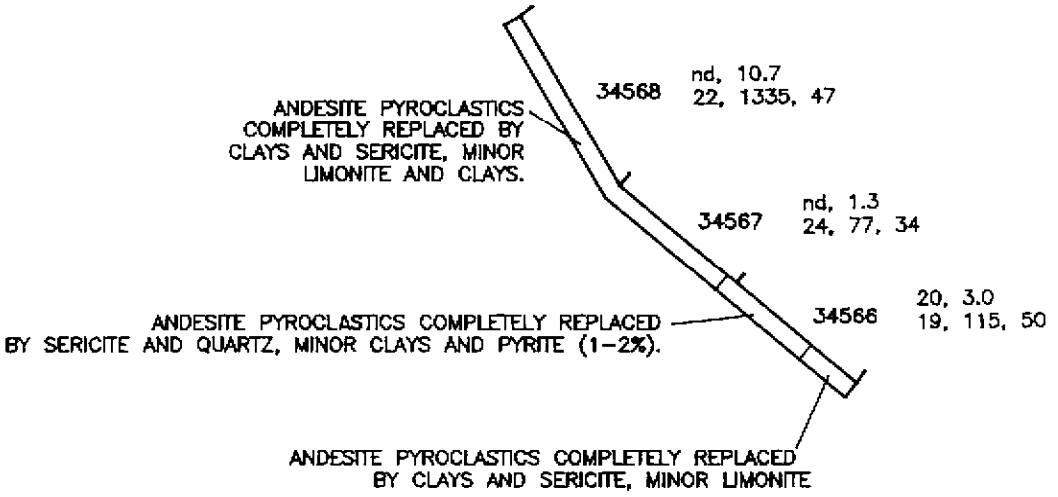
November 1990 Drafting: RWR

Trench #7

This trench, 6.5 m long, over Zone C, exposed andesite pyroclastics with variable amounts of sericite, quartz and clay alteration (Figure 12). Two trenches, 7 and 8, were excavated over this zone, prompted by anomalous gold results up to 0.016 oz/ton gold and from 1.14 oz/ton to 11.7 oz/ton silver in float and grab samples collected earlier in the program. Additional factors affecting the location of the trenches on this showing were very strong alteration and the presence of float boulders containing 50-60% stibnite. Results of the 3 samples were low however with the highest gold (20 ppb) and zinc (50 ppm) from sample #34566, a 2 m chip. The highest silver (10.7 ppm) and lead (1335 ppm) were from sample #34568, and the highest copper (24 ppm) from sample #34567. Antimony results were low with a maximum of 240 ppm however arsenic was strongly anomalous with over 2000 ppm in #34566. All the above samples are 2 m chips.

Trench #8

This trench, 18 m long, across Zone C, is underlain by andesite pyroclastics with variable sericite, clay, limonite and manganese alteration (Figure 13). Results of the seven samples from this trench were low with gold below detection limits in all samples. The highest copper (145 ppm) and zinc (1545 ppm) sample #34574, silver (161 ppm) and lead (1801 ppm), sample #34575 were from adjoining 2 m samples of intensely sericitized and limonitic andesite pyroclastics.



LEGEND:

34837	ROCK CHIP SAMPLE NUMBER
60, 19.5	Au ppb, Ag ppm
1605, 870, 638	Cu, Pb, Zn VALUES IN ppm
nd	NOT DETECTED

BRACKETED Au & Ag FIGURES ARE IN (oz/ton)
BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)

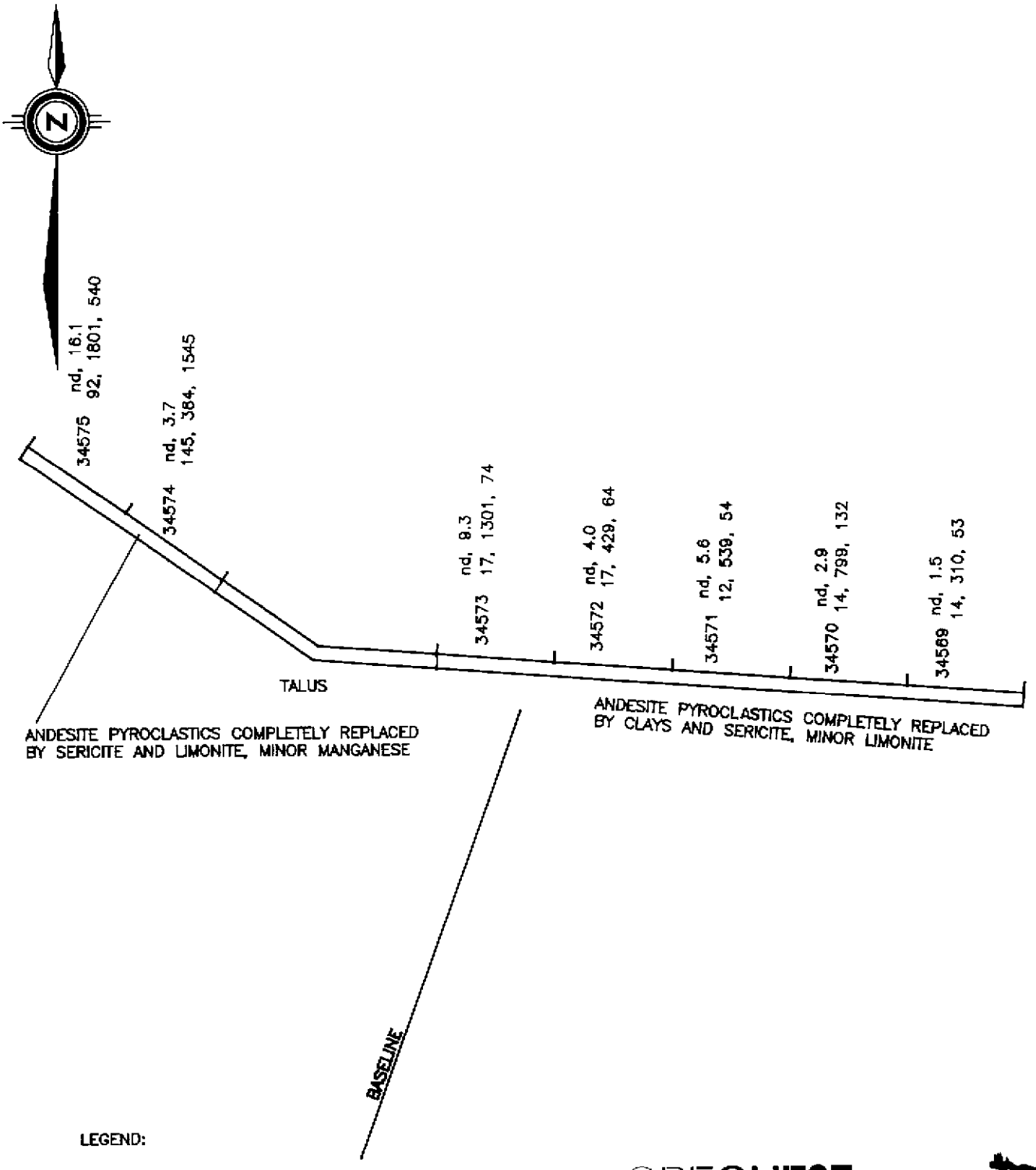
0 1 2 4
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 12
Skeena Mining Division
TREATY CREEK PROJECT
GR–2 SHOWINGS
TRENCH 7 – GEOLOGY
& ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

November 1990 Drafting: RWR



LEGEND:

34837	ROCK CHIP SAMPLE NUMBER
60, 19.5	Au ppb, Ag ppm
1605, 870, 638	Cu, Pb, Zn VALUES IN ppm
nd	NOT DETECTED

BRACKETED Au & Ag FIGURES ARE IN (oz/ton)
BRACKETED Cu,Pb & Zn FIGURES ARE IN (%)

0 1 2 4
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 13
Skeena Mining Division
TREATY CREEK PROJECT
GR-2 SHOWINGS
TRENCH 8 - GEOLOGY
& ROCK GEOCHEMISTRY
British Columbia
NTS: 104 B/9E

November 1990 Drafting: RWR

The program was successful in outlining areas of significant mineralization, mostly lead and silver with local elevated gold, copper and zinc values. Exact relationships between the showings is still unclear however they are all related to a series of north-northeast trending shear zones, of variable widths, with apparently discontinuous high grade vein mineralization. Zones of brecciation evident in some of the trenches, peripheral to fault zones, are considered to be the result of explosive hydrothermal action and fragments of bedded vein quartz containing epithermal sulphide assemblages have been noted within the breccias (R. Kirkham, pers. comm.). Alteration in the form of sericite, clays, limonite and silicification is pervasive but locally shows great variation in intensity and extent. Additional trenching will be required to delineate the full extent of these zones.

PROSPECTING TARGETS

VR2 and TR7 Claims

Areas to the north (northern portions of GR2 and VR2 claims - Figure 14) and to the east (southern portion of TR7 claim - Figure 15) of the newly discovered showings were briefly prospected. They were found to be underlain by andesite pyroclastics and sediments of the Betty Creek Formation and felsic volcanics of the Mt. Dilworth Formation respectively. Locally the rocks are strongly sericitized, silicified and calcitized in zones up to 100 m across with mineralization consisting predominantly of disseminated pyrite, locally up to 20%. In the northern portion of GR2 and VR2 claims

boulders with galena and abundant manganese staining (ie. similar mineralization as in the new showings) were found. Several samples of these boulders were assayed returning up to 3.17 oz/ton silver and 50 ppb gold. Grab and float samples collected in the south portion of TR7 did not record significant gold or silver values.

East Side of Treaty Gossan

Several grab samples collected from outside the grid area in the southeast part of the Treaty Gossan returned anomalous gold values associated with enhanced arsenic (Figures 16, 17). The highest result of 0.054 oz/ton gold (#46003) came from a small northeast trending shear zone containing 15-20% disseminated pyrite. The shear zone is hosted by heavily silicified, gossanous rhyolite (or rhyolite tuff) of the Mt. Dilworth Formation? containing 3% disseminated pyrite, and local pods of up to 20% pyrite. The rhyolite (or rhyolite tuff) is exposed as a body several metres wide and 50-60 m long within an area of extensive talus, and likely represents an extension of the Mt. Dilworth stratigraphy.

TREATY GOSSAN GEOLOGY AND DISCUSSION

Geological mapping at a scale of 1:2500 was completed over half of the grid only due to the earlier than expected onset of winter conditions (Figure 16). The report therefore concerns primarily the mapped portion of the grid, although general conclusions concerning the Treaty Gossan area are based on experience from previous exploration seasons.

Lithology

The mapped area is underlain by rocks of the Hazelton Group represented by north-south trending Betty Creek and Mt. Dilworth Formations. Rocks of the former formation consist of massive to poorly bedded andesitic pyroclastics to epiclastics and well bedded siltstone and argillite. These volcano-sedimentary rocks are accompanied by massive to vesicular andesitic flows. Andesite pyroclastics contain a variety of fragments including massive and scoriaceous fragments, glass and crystals. A substantial part of the area mapped is occupied by an equigranular diorite intrusive.

The overlying felsic volcanic sequence of the Mt. Dilworth Formation comprises rhyolitic to dacitic airfall tuffs and flows which are extensively altered to chlorite, sericite and clays. Contacts between the Betty Creek rocks and the Mt. Dilworth are believed to be conformable however the extensive cover and locally intense alteration renders this subjective.

Rocks of these formations host the Treaty Gossan alteration zone which is a pervasively pyrite-quartz-sericite altered rock with massive to schistose structure. Many boulders of a laminated chert-like rock carrying alunite, native sulphur, prehnite and selenite were also found in the area. They are mainly concentrated south of lines 10W to 13W, where a small outcrop (1x2 m) of this lithology was discovered.

Mineralization

Mineralization encountered during the mapping and prospecting of the area is associated with three distinct episodes related to extrusive rocks of the Mt. Dilworth Formation; a porphyry copper type system; and subsequently, local epithermal overprinting. These stages, partially superimposed on each other, represent different styles of mineralization, alteration and potential for gold occurrence.

1) Mineralization related to the Mt. Dilworth Formation.

The oldest of the stages is associated with the felsic extrusive rocks of the Mt. Dilworth Formation which in part hosts the nearby Eskay Creek deposit. These were mapped on the north-east portion of the grid (lines 0 to 5W, and outside the grid in the south-east portion of the Treaty Gossan (Figure 17). Samples derived from the former location did not record anomalous gold values.

Some of the grab samples collected from the latter location returned anomalous gold values generally associated with elevated arsenic. The highest result, 0.054 oz/t gold (#46003), consisted of a small north-east trending shear zone containing 15-20% disseminated pyrite, within a weakly carbonatized rhyolite. A similar exposure of gossanous rhyolite located by the G.S.C. near the toe of the Treaty Glacier contained finely laminated pyrite and traces of Sartorite, a lead-arsenic-antimony sulphide, in rocks considered to be Mt.

Dilworth. No work was done in this area during 1990 however follow up should be undertaken during the next phase.

2) Mineralization Related to a Porphyry-Copper System.

The Treaty Gossan alteration zone together with surrounding areas bear several features characteristic of porphyry-copper type systems.

The Treaty Gossan alteration zone encompasses about 1 square kilometre, a magnitude observed in many porphyry-copper systems. The zone is surrounded by an extensive alteration halo of weak to moderate intensity, affecting all andesitic rocks of the Betty Creek Formation and the diorite intrusive. The alteration features chlorite, calcite, zeolites, pyrite (limonite), sericite and epidote with the first two being dominant. This assemblage fits the pattern of alteration zoning for a porphyry-copper system put forward by Lowell & Gilbert (1970) and Sillitoe (1973) with the pyrite-quartz-sericite alteration zone equivalent to the phyllic zone and the surrounding zone equivalent to the propylitic alteration in this model.

Another feature of the Treaty Gossan area is a magnetic anomaly detected by the 1989 Aerodat airborne geophysical survey, to the south and east. Nothing on the ground was found to justify this anomaly, however it could be explained by assuming a porphyry-copper model for the Treaty Gossan area in which case the magnetic variation would be too subtle for a limited ground magnetic survey to detect. According to Lowell & Gilbert (1970) deep parts of the propylitic alteration

zone in porphyry-copper systems feature the presence of substantial amounts of magnetite replacing pyrite. These magnetite-rich portions of the system could result in a circular magnetic anomaly located peripheral to parts of the system (similar to that of Treaty Gossan), provided the concentration of magnetite is sufficient to cause an airborne anomaly. In his world wide review of gold-rich porphyry copper deposits, R.H. Sillitoe (1979) listed the high magnetite content as a primary feature of deposits of this type, able to generate magnetic responses up to 4500 gammas above background. He even suggested the use of ground and airborne magnetic surveys as an effective means of locating such deposits.

The bulk of the sulphide mineralization so far associated with the Treaty Gossan occurs in what would be the sericitic (phyllic) alteration zone, as disseminated pyrite making up 3-7% of the rock by volume. Numerous rock samples representing this zone collected during this and previous exploration seasons returned at best weakly anomalous values in gold. Significantly, the samples also showed weakly anomalous values in copper which suggests that it may represent the upper portion of a porphyry-copper system, and more precisely, the upper part of its phyllic zone, which usually carries little copper (or associated gold) mineralization. Many of the samples collected from the surrounding propylitic alteration zone returned anomalous values in gold with numerous results over 100 ppb, the 2 highest results being 340 ppb (rock grab sample) and 290 ppb (soil).

In a porphyry-copper model, the propylitic zone may contain a few small gold-silver bearing galena-sphalerite-chalcopyrite veins. Some small veins of this type have been located in the area of the Treaty Gossan, all in the propylitic zone. One such vein found by OreQuest in 1989 carrying galena and chrysocolla assayed 0.038 oz/ton gold and 2.55 oz/ton silver.

3) Mineralization associated with an epithermal system.

Over the area of the Treaty Gossan numerous boulders and one small outcrop (located south of line 10W) of siliceous laminated rock containing alunite, native sulphur, prehnite and selenite were found. In thin section the rock was found to be composed of very fine grained (chert) quartz, alunite and disseminated pyrite comprising 1-3 mm thick laminations. The layers often show soft sediment type deformation such as small scale slump folds and pull-apart structures. The rock probably represents the precipitate (sinter) from a hot springs in a marine environment.

Native sulphur, prehnite, selenite and some alunite were subsequently introduced to the rock along small crosscutting fractures. These fractures were eventually sealed off by silica which explains the excellent condition in which the native sulphur is preserved.

Samples of this rock showed anomalous levels of mercury (Dani Alldrick-personal comm.) and a warm spring was reportedly located in

the south-east part of Treaty Gossan by Chris Hrkac in 1985. All these facts suggest that the area is underlain by an active epithermal system. It is crucial however, to explain the relationship between this epithermal system and the Treaty Gossan alteration zone.

None of the low temperature minerals accompanying laminated silica sinter were found in the pyrite-quartz-sericite altered rock, which suggests that they constitute two separate systems. The epithermal system was superimposed on the porphyry-copper system, when the latter was eroded to the present level (according to estimates by R. H. Sillitoe this would occur after removing 2 to 3 kilometres of overlying rocks). One area where the epithermal system is likely in place is under the glacier situated to the south of lines 9W to 13W, which is characterized by scattered silica sinter boulders at the edge of the icefield, and also by a small outcrop of this lithology (Figure 18). Other areas are likely to be located on the unmapped portions of the grid and outside of the grid area.

The epithermal system is not restricted, however, to the Treaty Gossan. Laminated and vein hosted sulphides with native sulphur were reported in place on the north side of the Treaty Glacier on the TR-6 claim by geologists of the Geological Survey of Canada from Ottawa, headed by Rod Kirkham. This occurrence is in felsic volcanics (rhyolite?) probably belonging to the the Mt. Dilworth Formation. A boulder of laminated silica sinter was also found on the so called Ridge Zone (north-west corner of TR-8) by OreQuest in 1989. The few

float samples of silica sinter collected on the Treaty Gossan in 1990 did not record significant gold results however this is not surprising due to the high level of the system represented by the sinter and "silver, arsenic, gold, mercury, antimony and thallium values occur sporadically within the sinter", (B.R. Berger, 1985).

An indirect confirmation that the epithermal system contains gold can be found in the substantial soil gold anomaly detected on lines 13W to 16W. Most of the soil samples collected from these lines returned gold values ranging from 50 to 270 ppb. The most likely explanation of this anomaly is that gold is being transported from its source under the ice by west to north-west flowing streams causing the west northwest trending anomaly observed.

TREATY GOSSAN-GEOCHEMISTRY

A geochemical rock and soil sampling program was carried out concurrently with the geological mapping and prospecting surveys. Rock samples of representative sulphide mineralization, were collected during the course of mapping and prospecting in areas of interest, or areas of strong alteration. Soil samples were collected at both 50 m and 25 m spacing with the western half of the grid sampled at a 25 m spacing as this is the area of the most intense gossan development. Selected portions of the grid were not sampled due to obviously thick glacial moraine which occurs as prominent ridges.

Rock Geochemistry

Results of the rock sampling program for gold were generally low which was not unexpected given that samples obtained in previous years by various operators have returned similar assays. Values ranged from below detection limits to a high of 340 ppb from sample #34721, a 2 m wide chip across well foliated chlorite-quartz schist within a fault zone.

One area of elevated gold results is located at the south ends of Lines 9W to 13W which corresponds to the area underlain by the laminated chert (sinter) and pyrite-sericite-quartz altered volcanics containing pods of massive pyrite. Values range from below detection limits to 190 ppb with most in the 30-60 ppb range.

Results for base metals and possible indicator elements revealed an anomaly corresponding to the area underlain by the laminated rock and the pyrite-sericite-quartz altered zone. Samples from this area yielded anomalies in molybdenum, arsenic, zinc, silver and in particular lead and antimony. These include molybdenum - 34 ppm, arsenic - 89 ppm, zinc - 448 ppm, silver - 1.64 oz/ton, antimony - 662 ppm and lead - 3863 ppm. The highs for silver, arsenic, antimony and lead are all from sample #34579, a float sample of strongly silicified and sericitized andesite pyroclastic? containing 20-30% massive pyrite. Samples #34579 to #34583, all within a 100 m x 100 m area contained elevated silver, 1.0 - >50 ppm, antimony, 41-622 ppm and

lead, 174-3863 ppm. These samples are all either in place or likely derived from a local source under the nearby glacier.

Elevated values are found sporadically throughout the grid and include: sample #34720 - 280 ppb gold and 82 ppm arsenic; #34721 - 340 ppb gold, 68 ppm arsenic, 1383 ppb lead, and 2112 ppm zinc; and, #34723 (float sample) 200 ppb gold, 2182 ppm lead, and 1777 ppm zinc.

Soil Geochemistry

In addition to gold, elements selected as significant potential indicators include the following: copper, silver, lead, zinc, arsenic and antimony (Figures 19 to 21). As no mapping was completed west of L13W on the grid, correlation of soil anomalies with geology is difficult in this area and if mentioned is based on information from previous mapping or prospecting programs on the Treaty Gossan.

Gold in soils revealed two distinctly anomalous areas within the grid (Figure 19). These are L0W through L3W and L13W through L24W. The easternmost anomaly contains values up to 290 ppb along a west northwest trend up to 200 m wide and 600 m long, open at both ends due to moraine and/or ice cover. This anomaly appears to crosscut the trend of the Mt. Dilworth-Betty Creek contact at approximately right angles and shows some correlation with two of the EM conductors defined by the geophysical survey.

The westernmost anomaly can be divided into two portions, a coherent west northwest trending zone from L13W through L16W, and a more erratic area between L18W and L24W with local spot highs. As discussed previously the anomaly on lines 13W through 16W likely represents in part downslope dispersion from a source off the grid to the east overprinting smaller anomalies similar to those evident between lines 18W and 24W. This portion of the grid was not mapped during the 1990 program so no sources for the anomaly are known at this point. A maximum value of 255 ppb gold was received from this area.

Lead occurs as small scattered anomalies from L0 to L9W with highs to 163 ppm (Figure 19). A distinct east-west trending zone of $\geq$ 100 ppm extends from L15W, near the glacier in the area of the laminated chert (sinter) and the quartz-sericite-pyrite altered rock, to the southeast end of L11W. This zone is from 100 to 300 m wide and persists for approximately 600 m with both ends obscured by talus or ice. The higher values are virtually all on L13W, 0+50S to 1+00S with a high of 297 ppm. Outwash streams from the small icefields on the peaks have likely spread the anomaly out from a source somewhere under the glacier as it shows a trend similar to the gold anomaly. Anomalous lead values to 3863 ppm were obtained from rock samples at the edge of the ice proximal to this soil anomaly. One elevated value of 211 ppm lead within the zone was found at the north end of the grid, L15W, 4+50N. No mapping is available to explain this high which

is some distance from the suspected source area of lead values. Antimony and arsenic anomalies are found proximal to the lead zone.

Copper occurs mostly as spot highs on the western half of the grid (Figure 20). Values range between 100 and a high of 147 ppm at L20W; 1+75N. On the eastern grid area a broad, weak anomaly extends from 1+00S to 2+50N over L4W to L6W, values here are in the 80-110 ppm range. This anomaly crosscuts stratigraphy and may in part be caused by moraine debris though it is coincident with silver, zinc and antimony values.

Zinc anomalies are concentrated over a broad area on the eastern half of the grid from L4W to L12W, and on the western end of the grid from line 19W to 25W (Figure 20). The main anomaly ($\geq$ 150 ppm) on the east side of the grid is 500 m wide and 1 km long and is open at both ends. The values show a general increase to the west with the two highest assays, 709 ppm on L6W, 6+00N, and 555 ppm on L9W, 6+50N both at the ends of the respective lines.

This large zinc anomaly appears to correlate with areas underlain by the Betty Creek Formation, consisting of andesitic pyroclastics, massive to vesicular andesite or black siltstone and argillite. A lens of diorite near the northwest end of the grid lines generally shows a low zinc response. The area underlain by the pyrite-quartz-sericite altered rock contains significantly lower zinc values. It is felt that zinc generally outlines the more mafic rock types which

would also explain the anomalies at the western end of the grid where the gossanous pyrite-quartz-sericite zone fades and the typical Betty Creek Formations andesites reappear.

Arsenic anomalies are virtually all confined to the eastern half of the grid with the exception of L16W. There are two anomalous areas on the east side of the grid. The first (> 20 ppm) covers lines 0 to 3W and is strongest south of the baseline with highs to 70 ppm. The anomaly appears to coincide with felsic volcanics of the Mt. Dilworth Formation and it is likely that the elevated arsenic values north of the baseline on lines 0 to 3W over the andesitic rocks of the Betty Creek Formation is caused by downslope dispersion.

A second arsenic anomaly on the east side of the grid lies between stations 2+50N - 5+50N on lines 6W to 9W. Values are on the order of 4 times higher than the area of L0 to L3W. Four sites returned $\geq$ 100 ppm arsenic with two of these sites assaying > 200 ppm arsenic (254 ppm at L9W, 4+50N and 271 ppm at L6W, 5+00N). With the exception of L9W, 4+50N all the higher results correlate with the contact between the diorite lens and the topographically overlying andesites of the Betty Creek Formation. The anomaly does not continue south of L9W however indicating either a change in the nature of the contact or the lack of some other contributing factor. Some correlation is evident with elevated copper and zinc values in this area.

Also an isolated arsenic anomaly on L16W from stations 1+00S to 2+00N contains values of 31-89 ppm. It is believed that there is a relatively small source for this anomaly located upslope from station 1+00S which exhibits a downslope dispersion trail. There is a strong correlation between arsenic and antimony at this location with the antimony exhibiting slightly greater mobility.

Antimony values outline two anomalous zones (Figure 21). The easternmost anomaly extends from L4W to L9W with elevated results over the entire lengths of the lines. Assays are generally higher to the northwest over areas underlain by andesites of the Betty Creek Formation. There is a general decrease in values over the northern diorite lens though this is not consistent. A good correlation is evident with arsenic, zinc, lead and copper values in this area.

There are numerous spot highs of 2 to 11 ppm, scattered throughout L12W to L19W which generally corresponds with the pyrite-quartz-sericite gossanous alteration zone. No anomalies were noted between lines 19W and 25W, which is outside of the Treaty Gossan.

In summary the soil geochemical survey has outlined several broad and significant anomalies in gold, silver, copper, lead, zinc, arsenic and antimony.

Copper and zinc correlate well with the areas of the grid underlain by (or believed to be underlain by) rocks of the Betty Creek

Formation. This includes mostly andesite and andesite pyroclastics with some areas of siltstone and argillite. A diorite lens mapped out over the northwest portions of L6W to 12W is an exception to the mafic rocks - elevated copper-zinc assays, but the diorite is extensively altered (carbonate, sericite) which may have leached some of the metals.

Lead shows a strong correlation with the main pyrite-quartz-sericite alteration zone, particularly in areas of increased pyrite content near the laminated chert. It appears to be a good indicator for this epithermal-type mineralization. Lead is also elevated over areas underlain by mafic rocks, particularly on the east side of the grid, but values in this area are much lower (50 ppm vs. 100 ppm) than those seen over the main alteration zone.

Arsenic correlates well with exposures of Mt. Dilworth Formation at the northeast end of the grid and also shows a strong correlation with the contact between the diorite lens and andesites on L5W to L9W. An isolated area of elevated arsenic also occurs on L16W. No mapping was done in this area to determine the source but given the shape of the dispersion trend it likely represents a small restricted zone.

Antimony correlates well with the copper and zinc anomalies on the east side of the grid but not on the west, even though both areas are believed to be underlain by andesites of the Betty Creek Formation. Completion of the grid mapping may provide an answer to

this question. Antimony is also present sporadically within the pyrite-quartz-sericite alteration zone.

Silver shows a restricted anomalous pattern with only two weakly anomalous zones evident. Along with lead and gold it outlines the area from L12W through L16W which is postulated to be caused by an epithermal source under the ice to the northeast. Between L5W and L9W three spot highs at the edges of the grid area again show a strong correlation with lead values overlying both diorites and the pyrite-quartz-sericite alteration zone.

TREATY GOSSAN GEOPHYSICS

Ground geophysical surveys were performed over most of the Treaty Gossan grid utilizing the Scintrex IGS-2 instrument with readings taken at 12.5 m intervals along lines spaced 100 m apart. Coverage is complete on L0 to L21W, on L22W from BL to 2+37.5S with no surveys completed on L23W to L25W. The work included magnetic and VLF-EM electromagnetic surveys, utilizing the Hawaii (23.4 kHz) transmitting station. The last few lines were not surveyed due to time constrains caused by the shut down of the Hawaii station.

Magnetic Survey

The magnetic survey did not reveal any broad or distinct trends nor does it appear to be that useful in determining lithologic contacts (Figure 22). The small anomaly at the northwest end of L2W to L5W cannot be explained by anything observed during the mapping

program. The lows on L5W from 0+00 to 2+00S are in an area of talus and moraine debris masking any possible source for the anomalies. The only other area of significant anomalies, which consists of alternating highs and lows, lies within the diorite lens near the northwest end of L8W to L11W. Nothing was evident during the mapping program to explain these trends. The airborne magnetic feature referred to in the discussion of porphyry copper systems is to broad a feature to appear in this survey.

VLF-EM Survey

The VLF-EM survey revealed mainly spot conductors associated with either lithologic contacts or glacial features such as moraine ridges.

Three weak, two line conductors have been delineated by the survey which show no obvious topographic source and may indicate some structural features (Figure 23). Two of these conductors occur from L3W to L5W between the baseline and 1+50N. These appear to crosscut stratigraphy and show only a weak correlation with the geochemistry in this area. A third weak conductor trends north across lines 14W and 13W at 3N and 4N respectively. This anomaly cross cuts both the apparant stratigraphy and the trend of the geochemical anomalies in this area. The mapping program did not extend this far, however additional information may be available when this is completed.

The airborne survey flown in 1989 showed a similarly flat response over this portion of the property with only weak single station anomalies recorded.

BUDGET ESTIMATE

Mob/Demob			$ 18,000
Labour:			
Project Manager (1)	14 days	@ $550/day	$ 7,700
Project Geologist (1)	35 days	@ $450/day	15,750
Geologist (2)	50 days	@ $360/day	36,000
Geophysicist (1)	20 days	@ $400/day	8,000
Field Assistants (4)	50 days	@ $270/day	54,000
	355 days	Subtotal	$121,450
Camp Support	355 days	@ $150/day	$ 53,250
drillers	60 days	@ $125/day	7,500
Helicopter			57,500
Geophysics	IP 10 km @ $1500/km		15,000
	UTEM 10 km @ 1000/km		10,000
Analyses			12,500
Trenching	10 days @ $500/day		5,000
Report			25,000
Drilling	1250 m @ $150/m		187,500
SSubtotal			$512,700
GST @ 7%			35,890
Contingency @ 10%			54,860
Subtotal			$603,450
Management Fee (@ 16%, GST incl)			96,550
TOTAL BUDGET ESTIMATE			**$700,000**

STATEMENT OF EXPENDITURES

Mob/Demob	$ 12,112.33
Field Labour	88,121.53
Support Costs	49,031.14
Transportation and Communications	6,997.99
Equipment Rentals	2,607,42
Contract Services	11,940.00
Analyses	14,343.54
Helicopter	43,693.14
Report Costs	22,951.21
Total of Expenditures	$251,798.30

STATEMENT OF QUALIFICATIONS

I, Jim Chapman, of Route 1, Box L15, Bowen Island, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1976) and hold a BSc. degree in geology.
2. I am presently employed as a consulting geologist with OreQuest Consultants Ltd. of 306-595 Howe Street, Vancouver, British Columbia.
3. I have been employed in my profession by various mining companies since graduation.
4. I am a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
5. I am a Fellow of the Geological Association of Canada.
6. The information contained in this report was obtained from a review of data listed in the bibliography, numerous visits to the property in 1989 and 1990, and knowledge of the area.
7. I have no interest, direct or indirect in the securities of Tantalus Resources Ltd.
8. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.

Jim Chapman, F.G.A.C.
Consulting Geologist

DATED at Vancouver, British Columbia, this 25th day of March, 1991.

STATEMENT OF QUALIFICATIONS

I, Wesley D.T. Raven, #108, 1720 W. 12th Avenue, Vancouver, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1983) and hold a BSc. degree in geology.
2. I am presently retained as a consulting geologist with OreQuest Consultants Ltd. of #306-595 Howe Street, Vancouver, British Columbia.
3. I have been employed as an exploration geologist on a full time basis since 1983.
4. I am a Fellow of the Geological Association of Canada.
5. The information contained in this report was obtained during onsite property exploration supervision personally conducted by myself in 1990.
6. I have no interest, direct or indirect, in the property nor in the securities of Tantalus Resources Ltd.
7. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.

Wesley Raven

Wesley D.T. Raven, F.G.A.C.
Geologist

DATED at Vancouver, British Columbia, this 25th day of March, 1991.

STATEMENT OF QUALIFICATIONS

I, Alojzy Aleksander Walus, of 4816 Joyce Street, Vancouver, British Columbia hereby certify:

1. I am a graduate of the University of Wroclaw (Poland) and hold a MSc. degree in geology.
2. I have three years experience as an exploration geologist in Poland.
3. In 1988 and 1989 I worked in British Columbia as a geologist with several exploration companies.
4. During the 1990 summer exploration season I was employed as a field geologist with OreQuest Consultants Ltd. of #306-595 Howe Street, Vancouver, British Columbia.
5. All information contained in this report was obtained during 1990 exploration program.
6. I have no interest, direct or indirect, in the property nor in the securities of Tantalus Resources Ltd.
6. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public document.

Alojzy Aleksander Walus, M.Sc.

DATED at Vancouver, British Columbia, this 25th day of March, 1991.

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APPENDIX I

UTEM SURVEY ON GR-2 CLAIM

UTEM SURVEY

ON

GR 2 CLAIM
TREATY CREEK PROJECT

FOR

TANTALUS RESOURCES LTD

BY

SJ GEOPHYSICS LTD. AND LAMONTAGNE GEOPHYSICS LTD.

SKEENA, M.D., B.C. N.T.S. 104 B/9E

DECEMBER 1990

Report By
Syd J. Visser
SJ GEOPHYSICS LTD.

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INTRODUCTION

A UTEM survey was conducted on the, Tantalus Resources Ltd., Treaty Creek project, by SJ Geophysics Ltd. and Lamontagne Geophysics Ltd., at the request of Prime Explorations Ltd. and Orequest Consultants, during the later part of September, 1990. The survey grid is located on GR 2 claim which is approximately 80 kilometres north-northwest of Stewart, in the Unik River area of northern B.C. (N.T.S. 104B/9E).

The purpose of the UTEM survey was to search for massive sulfides or conductive (mineralized) shear or fault zones which may contain gold. The survey was conducted partially over a glacier and in topographically difficult terrain.

DESCRIPTION OF UTEM SYSTEM

UTEM is an acronym for "University of Toronto ElectroMagnetometer". The system was developed by Dr. Y. Lamontagne (1975) while he was a graduate student of that University.

The field procedure consists of first laying out a large loop, which can vary in size from less than 100M X 100M to more than 2Km X 2Km, of single strand insulated wire and energizing it with current from a transmitter which is powered by a 2.2 kW motor generator. Survey lines are generally oriented perpendicular to one side of the loop and surveying can be performed both inside and outside the loop.

The transmitter loop is energized with a precise triangular current waveform at a carefully controlled frequency (30.97 Hz for this survey). The receiver system includes a sensor coil and backpack portable receiver module which has a digital recording facility on cassette magnetic tape. The time synchronization between transmitter and receiver is achieved through quartz crystal clocks in both

units which must be accurate to about one second in 50 years.

The receiver sensor coil measures the vertical or horizontal magnetic component of the electromagnetic field and responds to its time derivative. Since the transmitter current waveform is triangular, the receiver coil will sense a perfect square wave in the absence of geologic conductors. Deviations from a perfect square wave are caused by electrical conductors which may be geologic or cultural in origin. The receiver stacks any pre-set number of cycles in order to increase the signal to noise ratio.

The UTEM receiver gathers and records 10 channels of data at each station. The higher number channels (7-8-9-10) correspond to short time or high frequency while the lower number channels (1-2-3) correspond to long time or low frequency. Therefore, poor or weak conductors will respond on channels 10, 9, 8, 7 and 6. Progressively better conductors will give responses on progressively lower number channels as well. For example, massive, highly conducting sulfides or graphite will produce a response on all ten channels.

It was mentioned above that the UTEM receiver records data digitally on a cassette. This tape is played back into a computer at the base camp. The computer processes the data and controls the plotting on an 11" x 17" graphics printer. Data are portrayed on data sections as profiles of each of the first nine or ten channels, one section for each survey line.

FIELD WORK AND DISCUSSION OF FIELD PARAMETERS

Syd Visser (chief geophysicist), Andrew Rybaltowski (Geophysicist) and Neil Visser (helper), all with SJ Geophysics Ltd., and the equipment were mobilized from Calpine camp for each day of the survey by helicopter. Because of weather conditions at this time of the year, at these elevations, it was deemed to risky to leave the equipment in the field during the night. The field survey parameters and local geology were discussed in the field with Mr. Wes Raven, project geologist with Orequest Consultants, before commencing the survey and during the survey period. Mr. Raven also aided in the field survey.

Approximately 2 Km, using a station spacing of 25M and 12.5M, were surveyed from 1 loops in a period of 3 production days (Sept 8, 9 and 12). Several attempts, during the remainder of the season, were made to extend the survey and one production day was lost due to snow and wind. It was not possible to retrieve the loop. Because most of the pickets were lost on the ice the majority of the lines were located with topofil and compass during the survey. The slope was taken at each station and the approximate horizontal distance calculated later by computer.

Because of the unequally spaced station on most of the lines the UTEM sections may be mislabeled and therefore the location should be correlated to the grid on the location map. The location of the survey loop and approximate location of the survey lines are shown on the enclosed figure G1. The purpose of using a close station spacing in the search for deeper conductors is to better locate and separate the short wavelength near surface conductors from the deeper long wavelength conductors.

DATA PRESENTATION

The results of the 1990 UTEM survey are presented on 10 data sections representing 5 lines of data (Appendix III) and one UTEM compilation map (Figure G1, Scale 1:5,000).

Legends for the UTEM data sections are also attached (Appendix II).

In order to reduce the field data, the theoretical primary field of the loop must be computed at each station. The normalization of the data is a follows:

a) For Channel 1:

$$\% \text{ Ch.1 anomaly} = \frac{\text{Ch.1} - \text{PC}}{/\text{PT}/} \times 100$$

Where:

PC is the calculated primary field in the direction of the component from the loop at the occupied station

Ch.1 is the observed amplitude of Channel 1

PT is the calculated total field

b) For remaining channels (n = 2 to 9)

$$\% \text{ Ch.n anomaly} = \frac{(\text{Ch.n} - \text{Ch.1})}{\text{Ni}} \times 100$$

where Ch.n is the observed amplitude of Channel n (2 to 9)

N = Ch.1 for Ch1 normalized

N = PT for primary field normalized

i is the data station for continuous normalized (each reading normalized by different primary field)

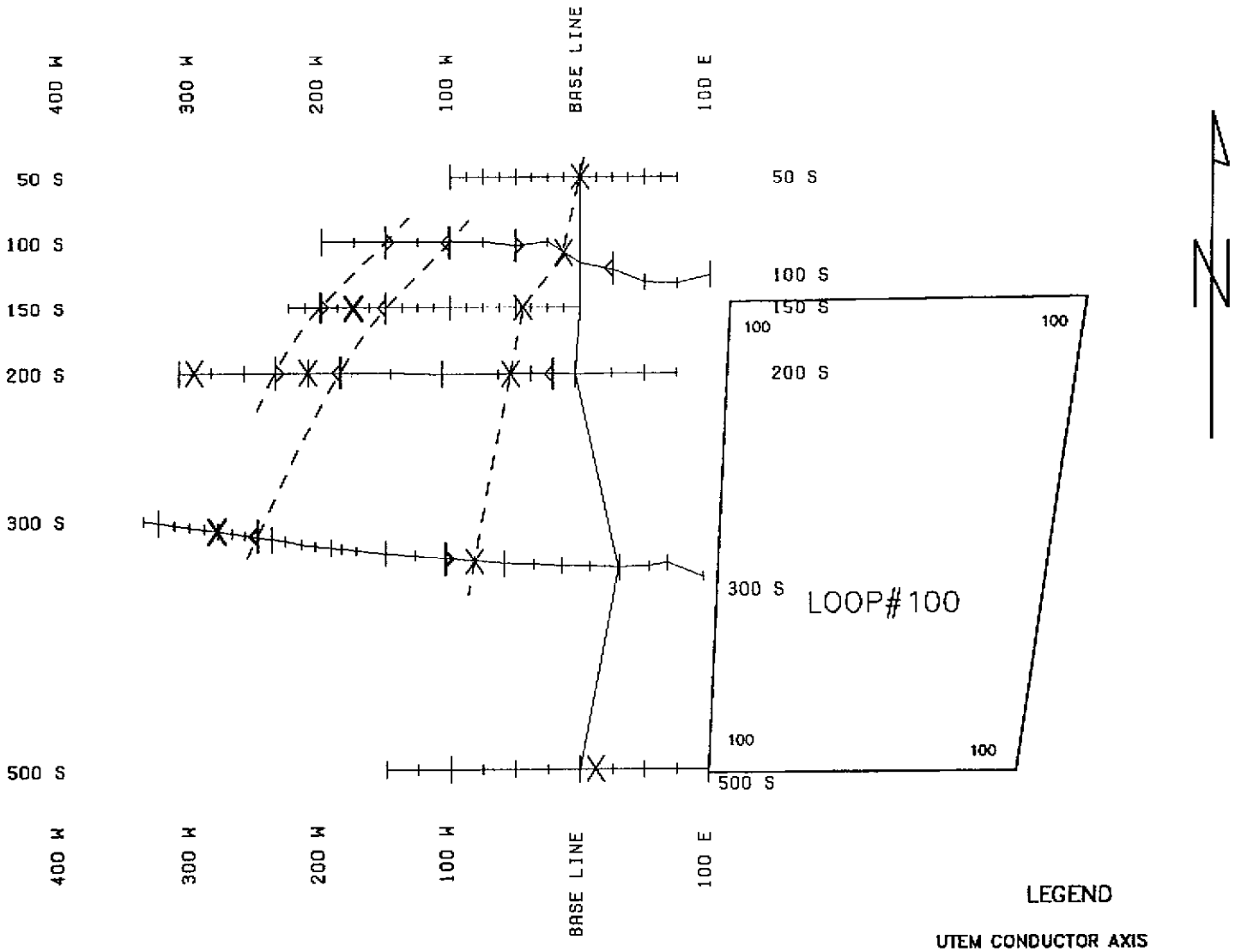
i is the station below the arrow on the data sections for point normalized (each reading normalized by the same primary field)

Subtracting channel 1 from the remaining channels eliminates the topographic errors from all the data except ch.1.

If there is a response in channel 1 from a conductor then this value must be added to do a proper conductivity determination from the decay curves. Therefore channel 1 should not be subtracted indiscriminately.

The data from each line is plotted on at least 2 separate sections consisting of a continues normalized section to which interpretation was added and a point normalized section. Additional point normalized data sections were produced where more than one conductor is present on the same line. Point normalization data is the absolute secondary field at a "gain setting" related to the normalization point. The data is usually point normalize over the central part of the crossover anomaly to aid in interpretation.

SJ GEOPHYSICS LTD.& OREQUEST



LEGEND

UTEM CONDUCTOR AXIS

- MEDIUM
- WEAK
- REVERSE CROSSOVER

CONTACT ZONES
(ARROW IN DIRECTION OF INCREASED CONDUCTIVITY)

- WELL DEFINED
- POORLY DEFINED
- CROSS-STRUCTURES

TANTALUS RESOURCES LTD.
GR 2 CLAIM
UTEM SURVEY
COMPILATION MAP

SKEENA MINING DIVISION NTS 104 B/9E

SCALE 1:5000

100 0 100 200 300

METRES

SEPTEMBER 1990

FIGURE G1

DISCUSSION

The UTEM survey on the Treaty Creek project indicated a number of weak anomalies or conductive zones as indicated on the compilation map figure G1. The majority of the survey lines (300S, 200S, 150S and part of 100S) were established on the ice during the survey, since most of the original pickets had slid down the ice, therefore the lines as shown on the location map may not be accurately located.

The best anomaly, on the small survey area, is the conductive zone striking across the west end of lines 300S, 200S, 150S and possibly 100S. This anomaly appears to be a number of closely spaced weak (less than 1 mho) conductors or a wide conductive zone with the best conductivities on lines 300S and 150S. This conductive zone does not appear to extend north of 100S although the data on line 50S is very noisy due to extreme wind conditions during the survey. There appears to be a weak conductor on the extreme west end of line 200S but there is not sufficient data to confirm this.

A second very weak conductor or conductive zone strikes across the grid, close to the base line, from line 300S to line 50S. This conductor or conductive zone is possibly a very weak conductor such as a conductive fault, shear zone or a change in conductivity of the rocks. The very similar response seen on line 500S near the base line may be part of the same structure or conductor.

Both of these conductive zones warrant further investigation by trenching or drilling

Syd Visser F.G.A.C.
Geophysicist

SJ Geophysics LTD.

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Syd J. Visser, of 11762 94th Avenue, Delta, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1981, where I obtained a B.Sc. (Hon.) Degree in Geology and Geophysics.

2) I am a graduate from Haileybury School of Mines, 1971.

3) I have been engaged in mining exploration since 1968.

4) I am a Fellow of the Geological Association of Canada.

Syd J. Visser, B.Sc., F.G.A.C.
Geophysicist

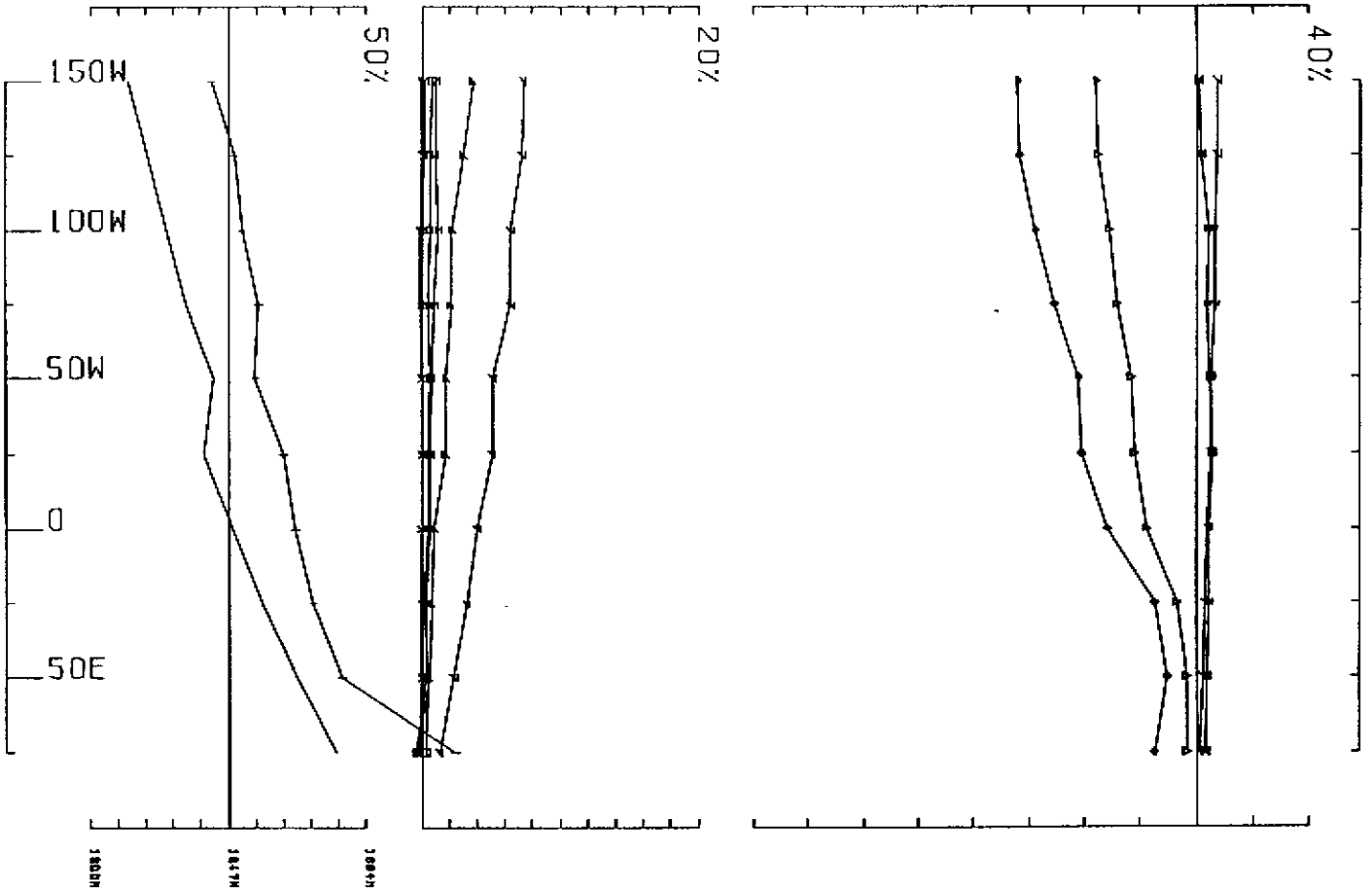
APPENDIX II

UTEM SYSTEM MEAN DELAY TIME

Channel Number	Delay Time (msec)	Symbol
1	12.8	—
2	6.4	/
3	3.2	□
4	1.6	▽
5	0.8	◁
6	0.4	▷
7	0.2	×
8	0.1	△
9	0.05	◇
10	0.025	

Base Frequency = 31 Hz

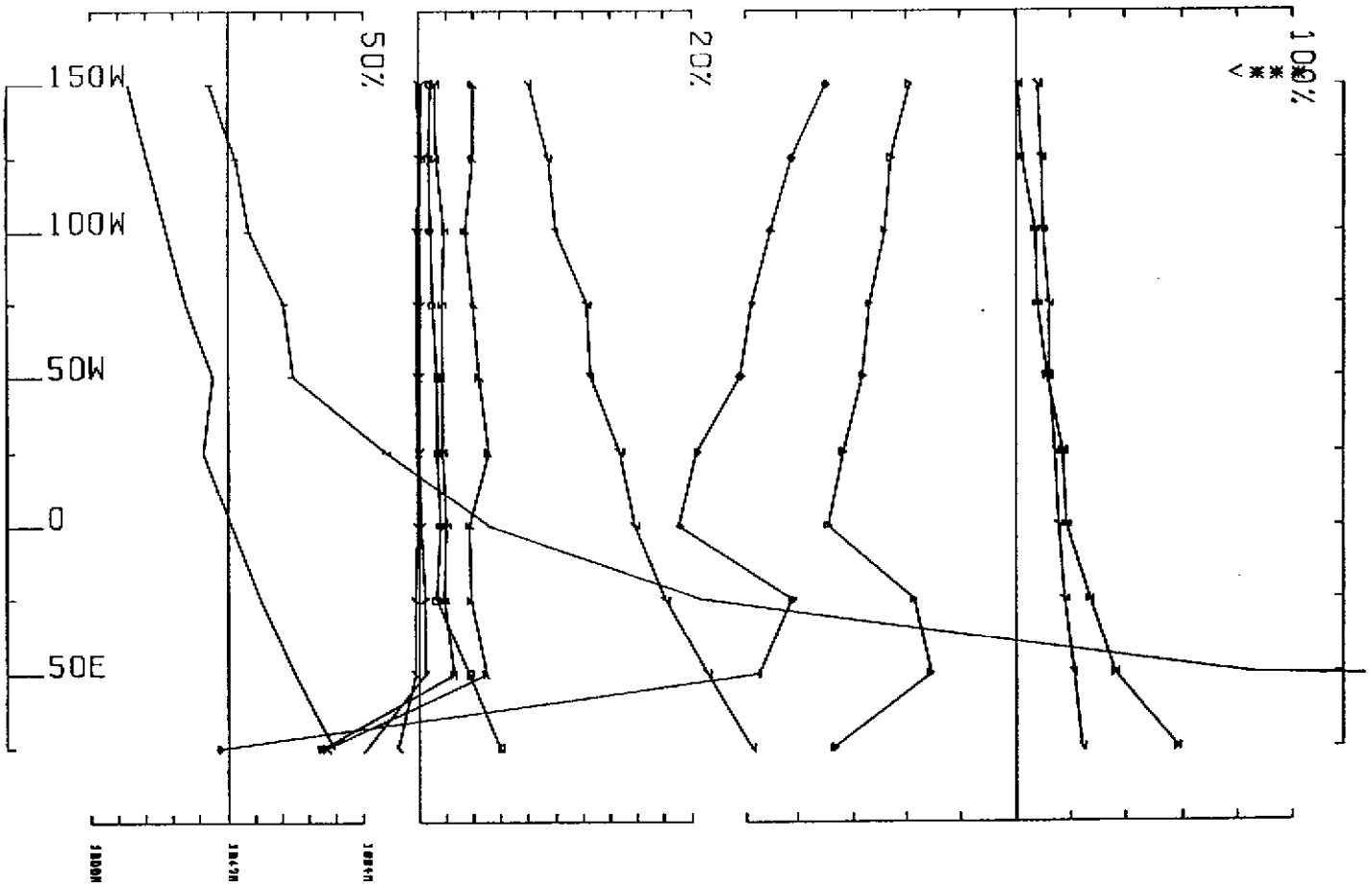
APPENDIX III



UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

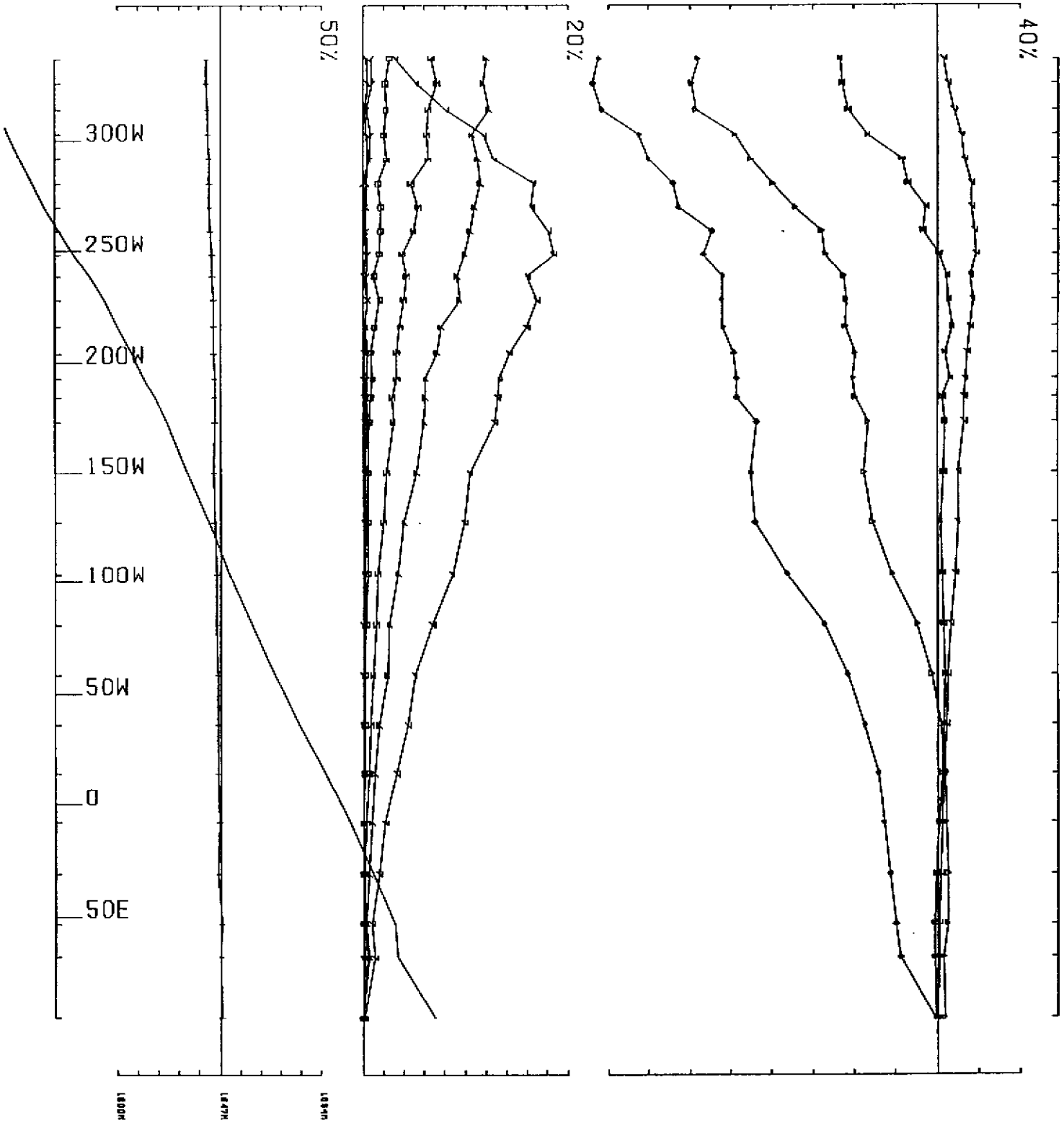
LOOP NO 100 LINE 500 S COMPONENT HZ SECONDARY FIELD CH1 CONTIN. NORM.



UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

LOOP NO 100 LINE 500 S COMPONENT HZ SECONDARY FIELD CH1 POINT NORM.



UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

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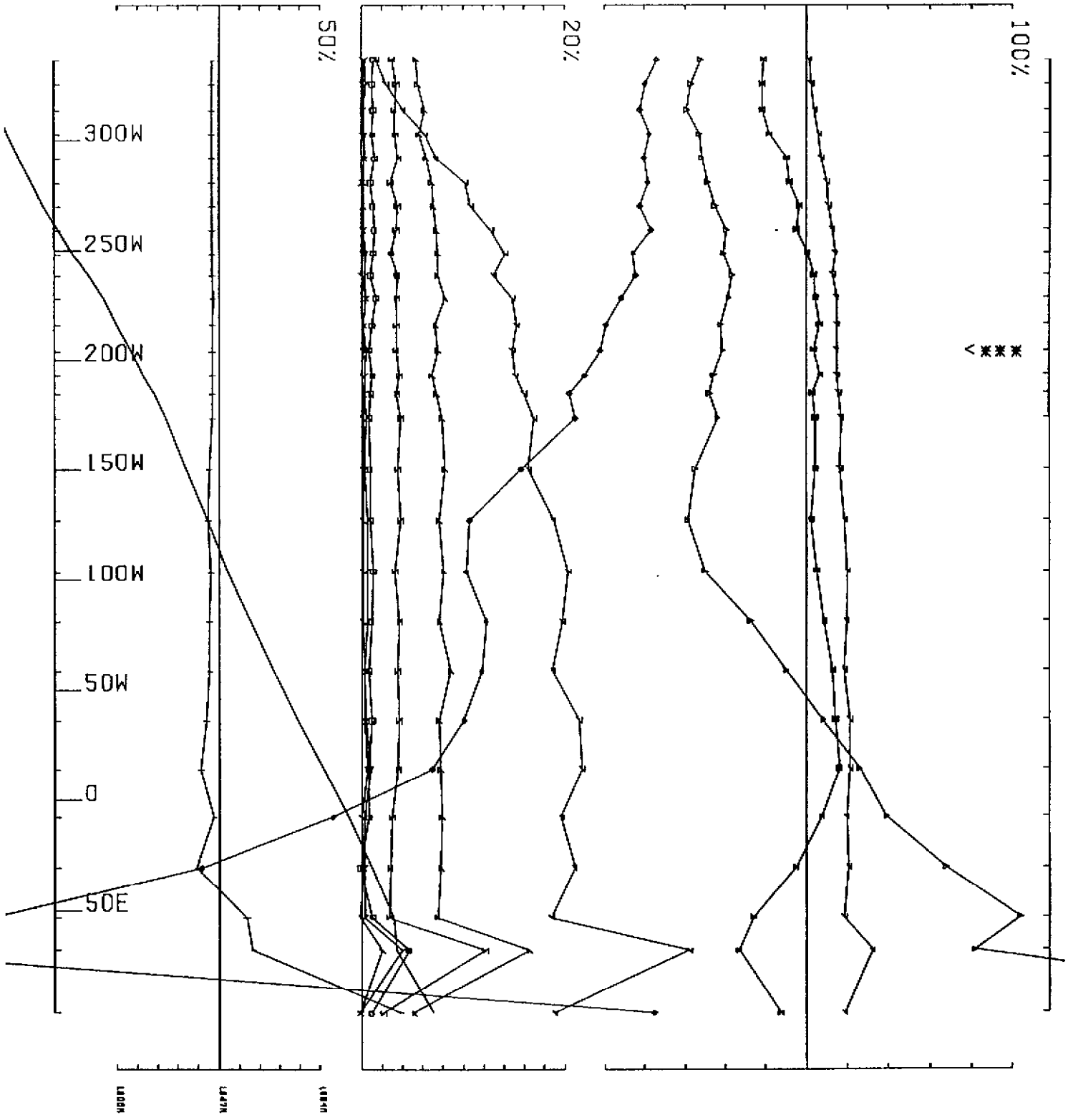
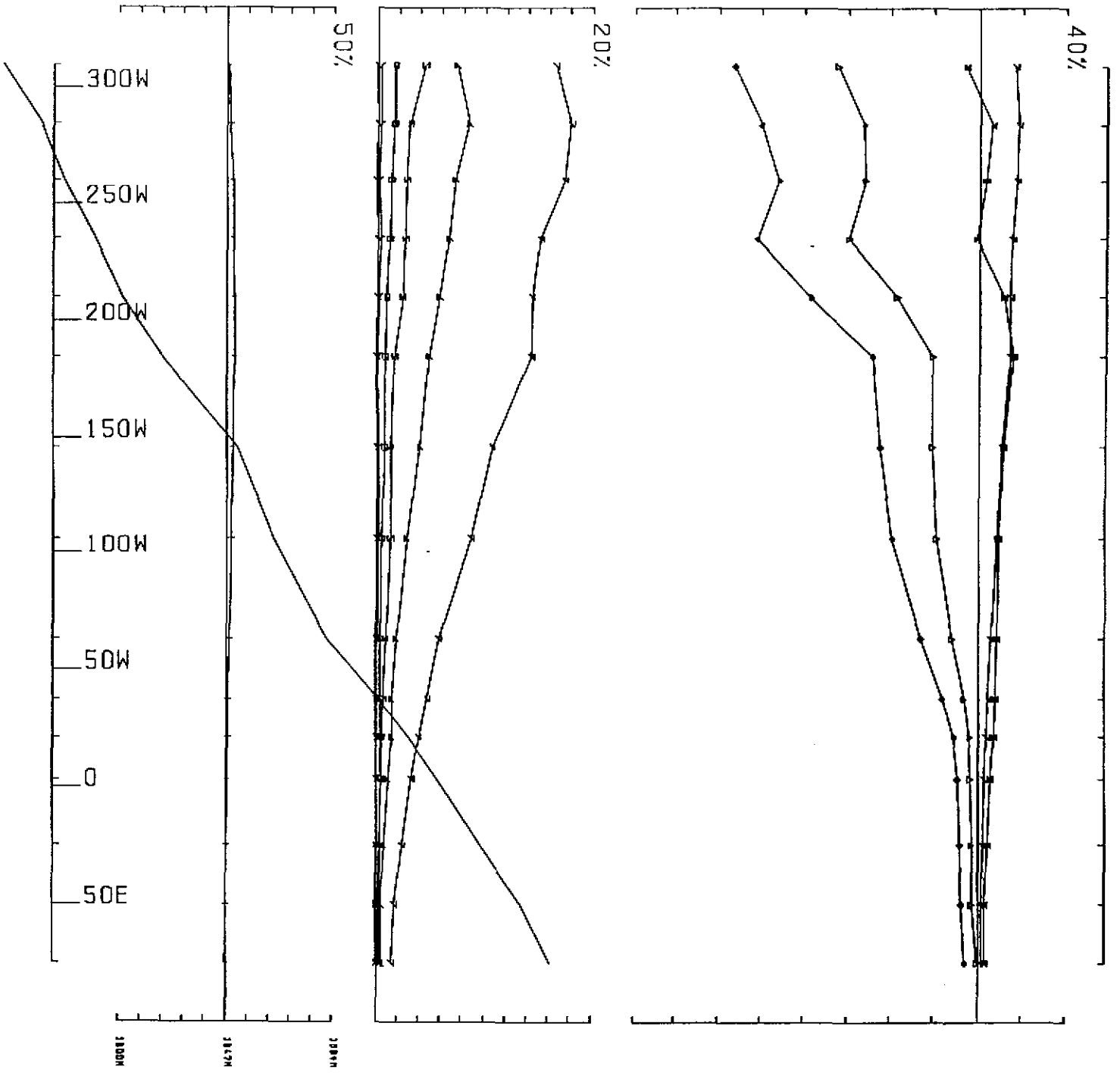


UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

LOOP NO 100 LINE 300 S COMPONENT HZ SECONDARY FIELD CH1 POINT NORM.



UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

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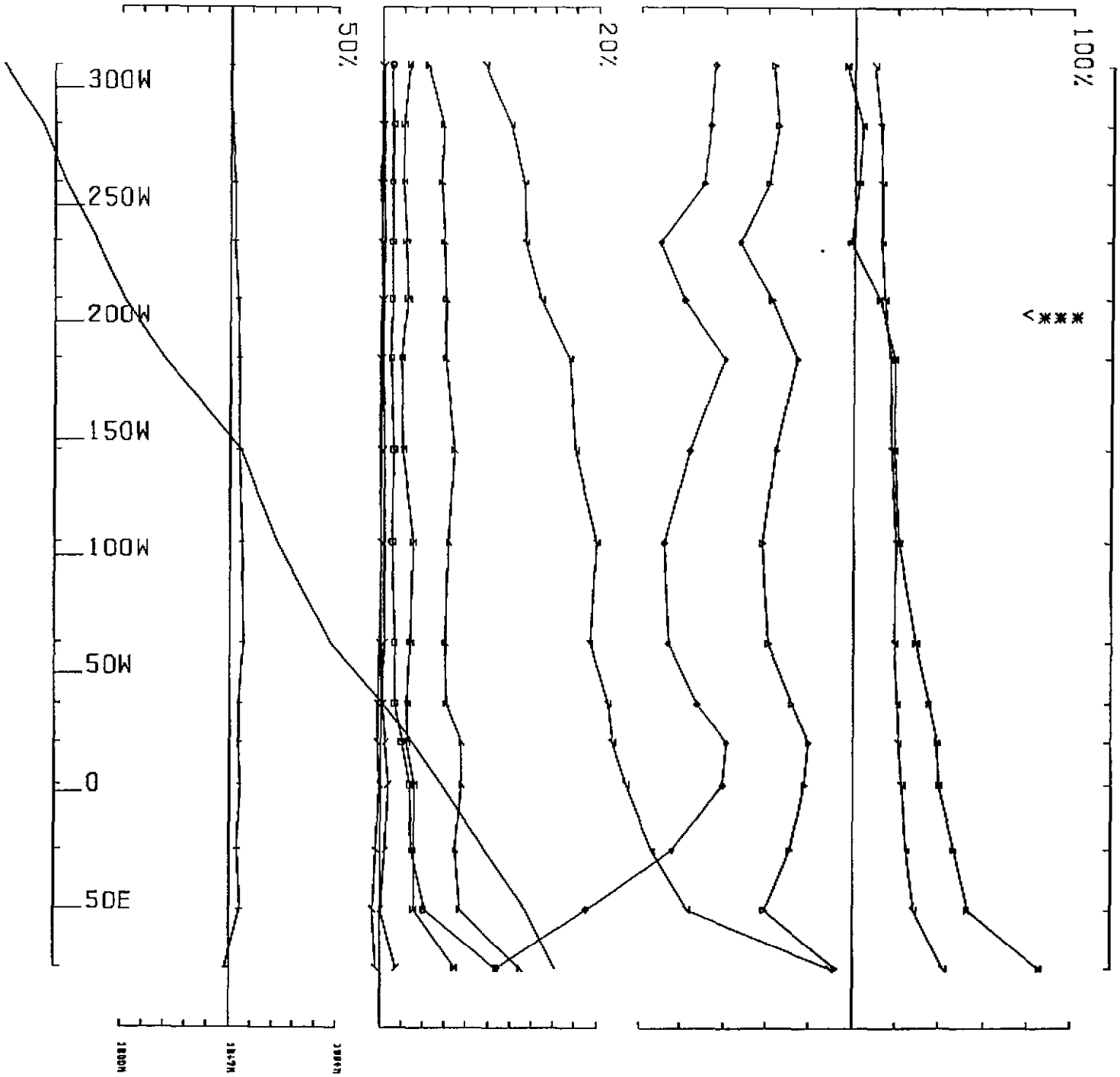

UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

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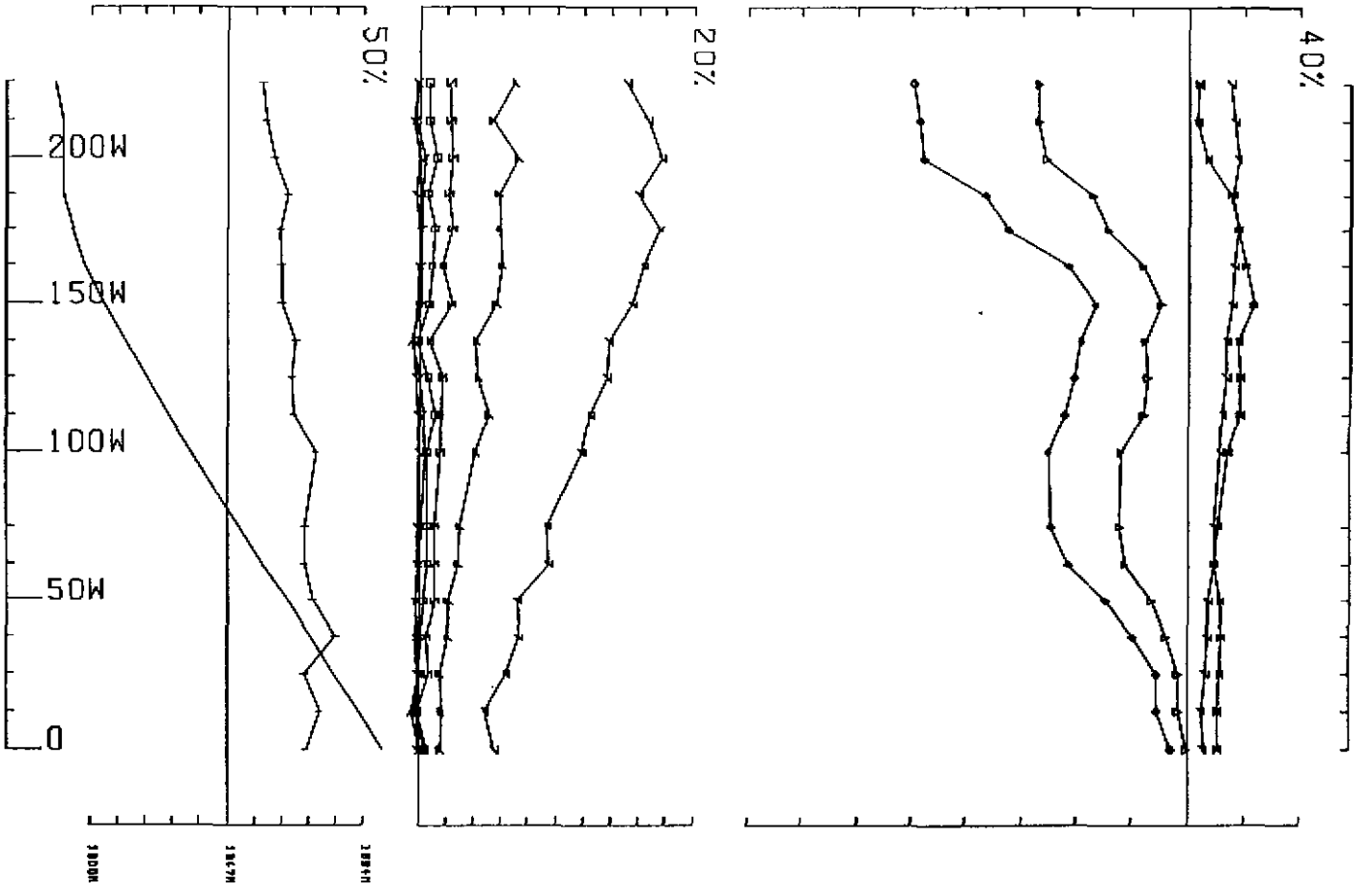
LOOP NO 100 LINE 200 S COMPONENT HZ SECONDARY FIELD CH1 POINT NORM.



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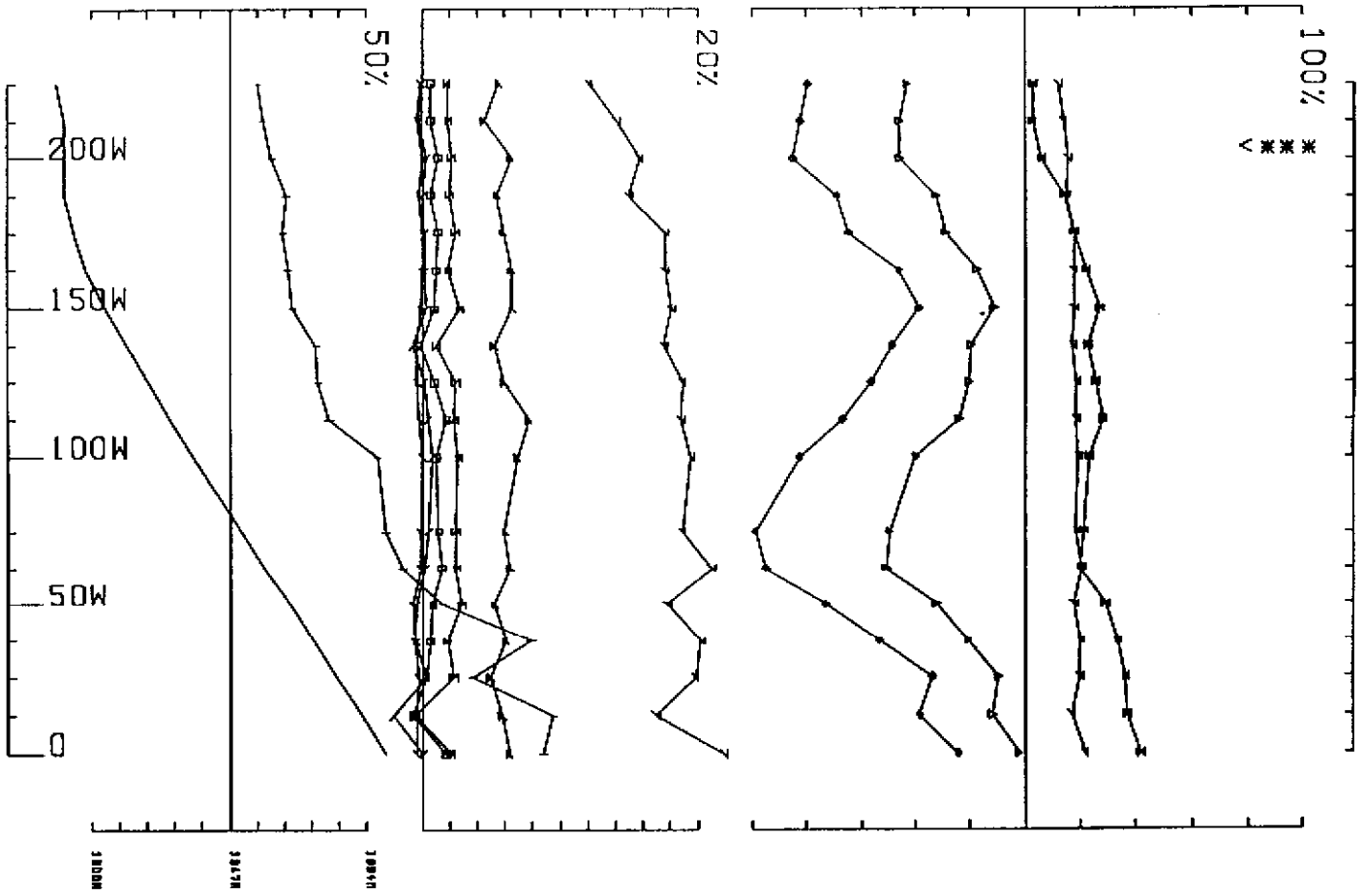

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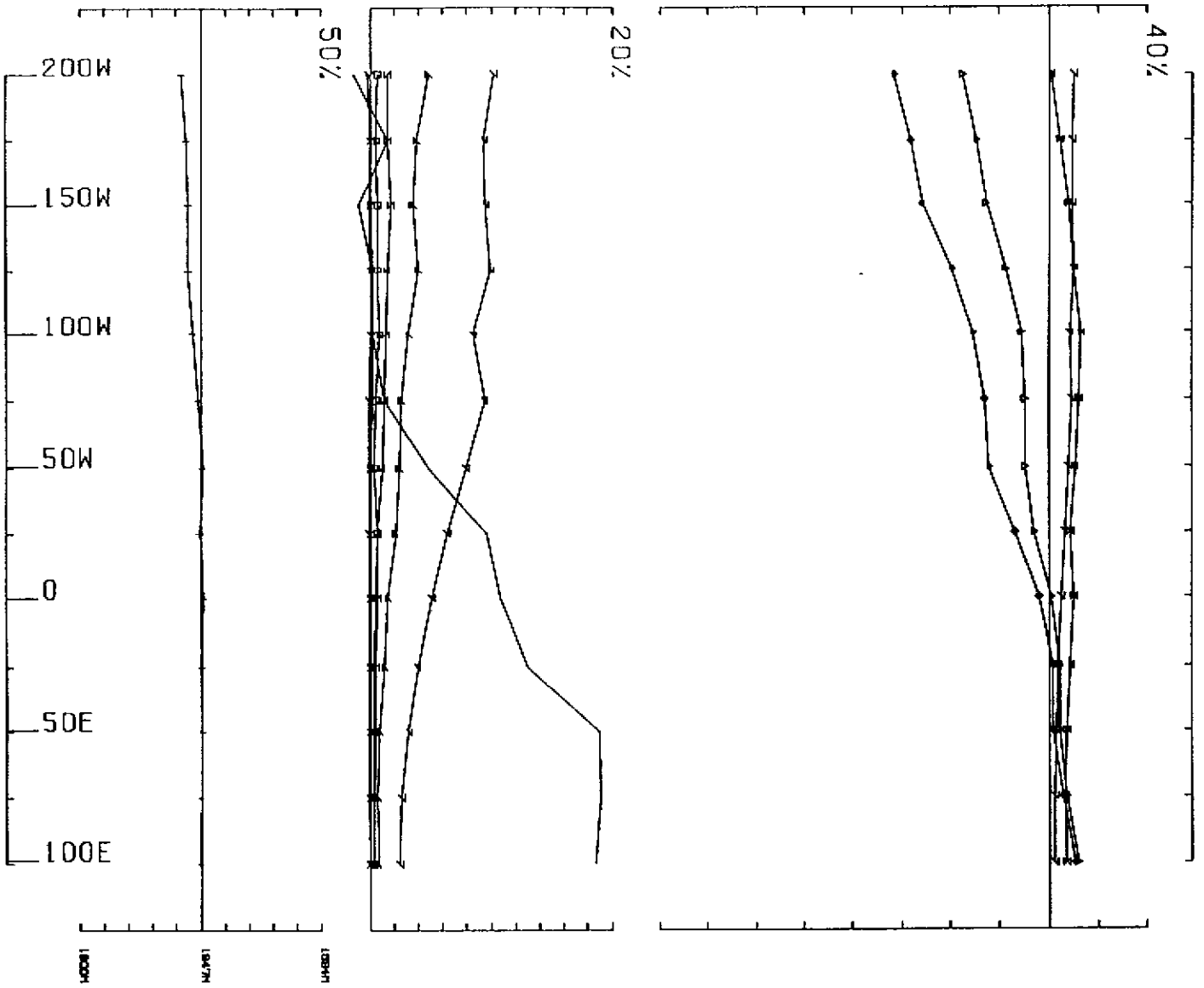

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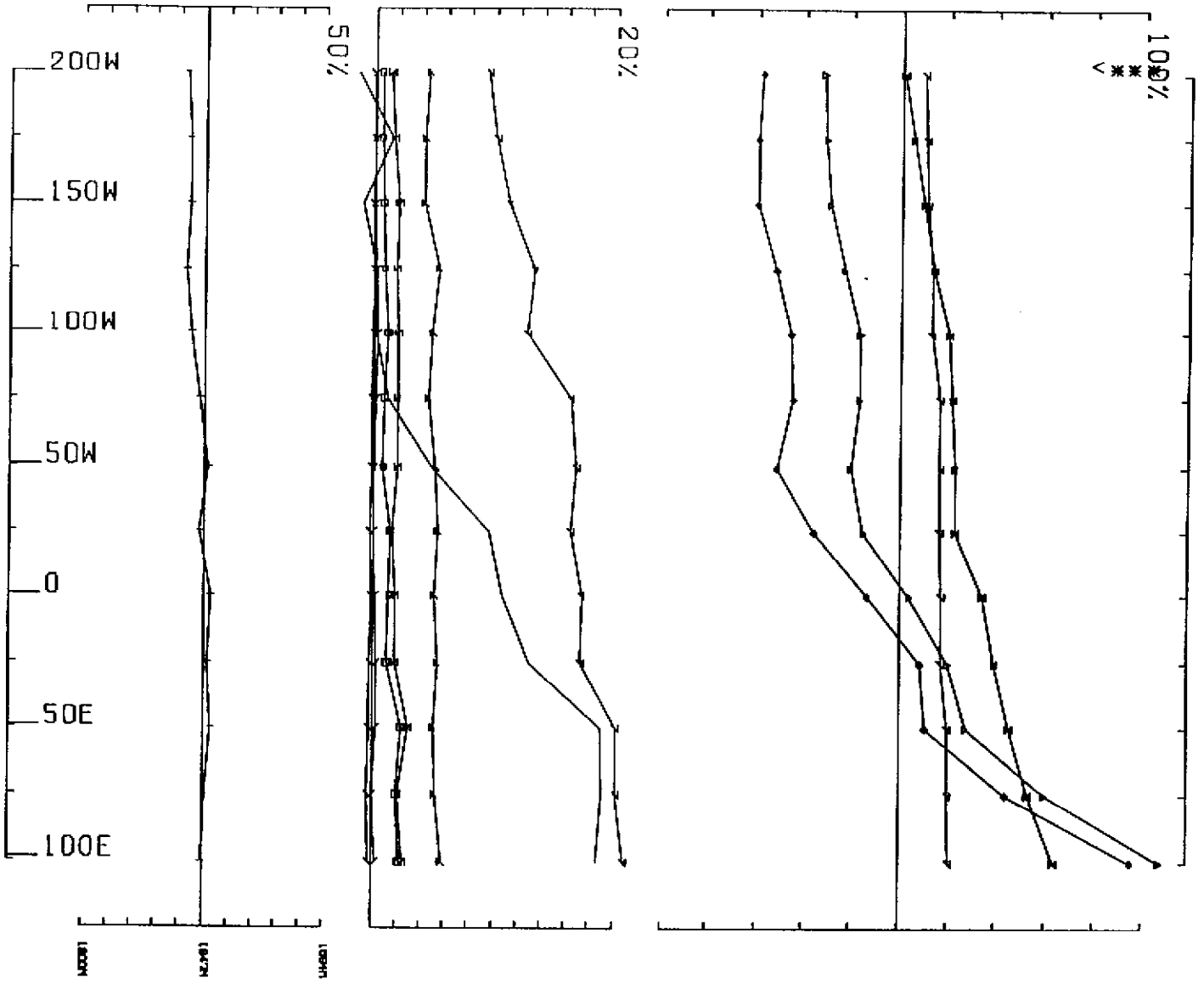

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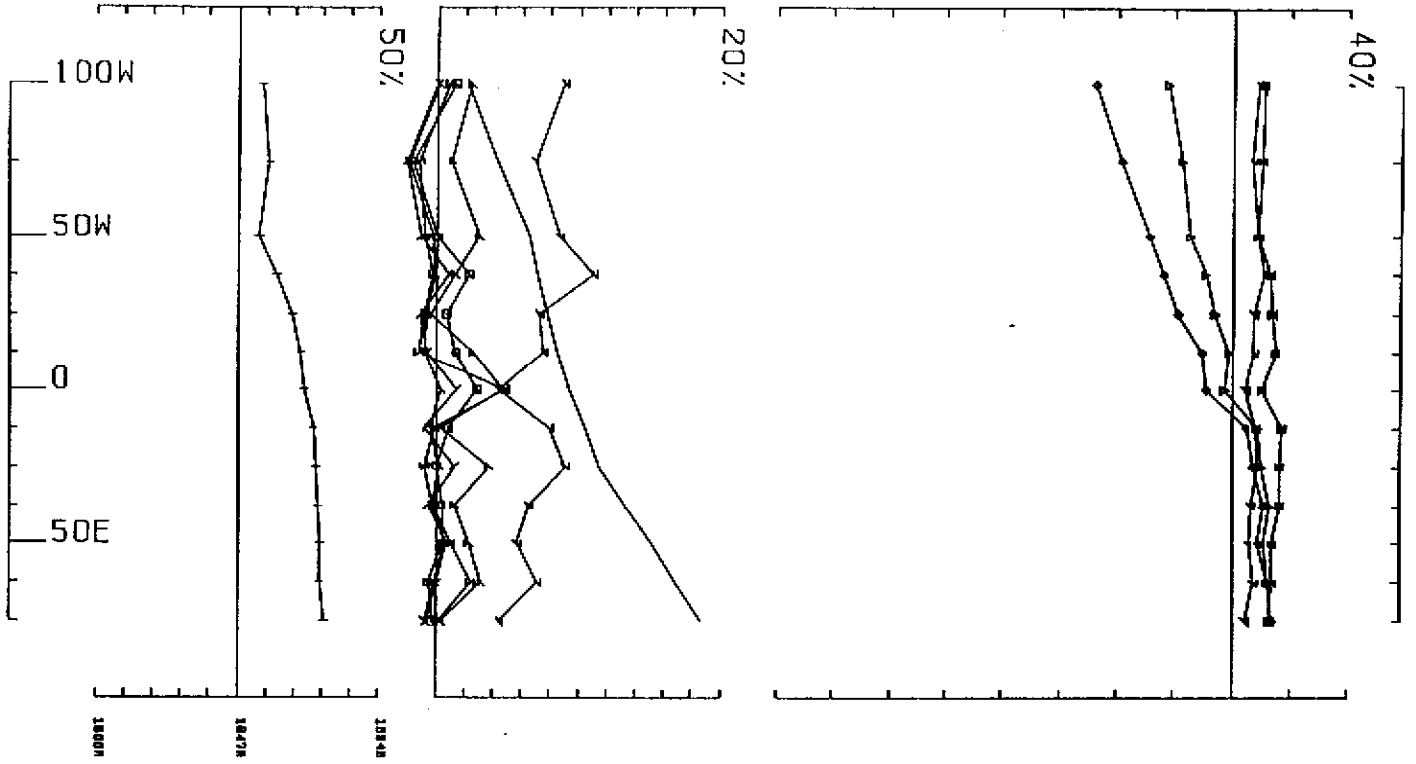

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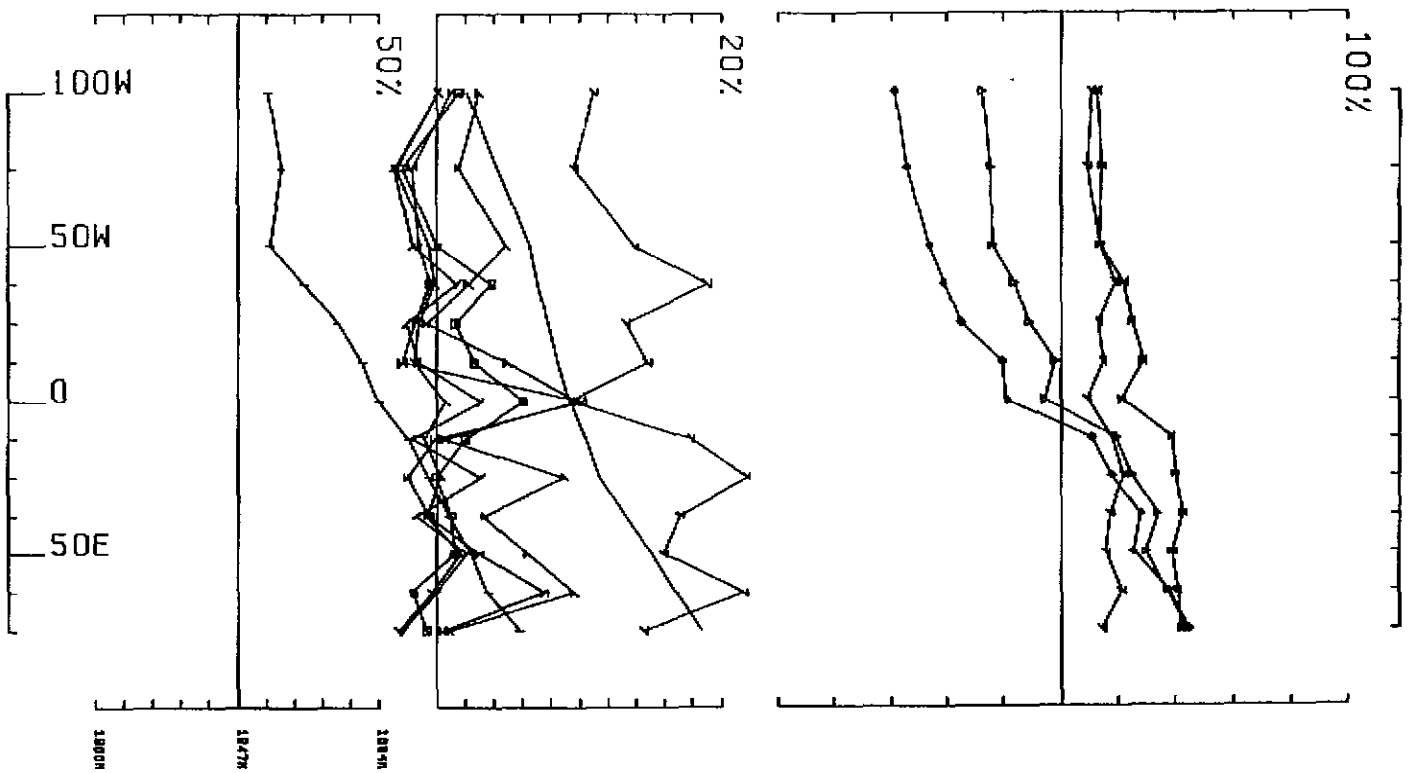

UTEM SURVEY AT TANTALUS FOR PRIME EXPLORATIONS LTD.

CONDUCTED BY SJ GEOPHYSICS LTD. JOB 9003 BASE FREQ (HZ) 30.97

LOOP NO 100 LINE 50 S COMPONENT HZ SECONDARY FIELD CH1 POINT NORM.

APPENDIX II

THIN SECTION DESCRIPTIONS

DESCRIPTION OF THIN AND POLISHED SECTIONS FROM TREATY PROJECT

THIN SECTION #16-8-2

Rhyolite crystal-lithic tuff

The rock represents a mixture of rhyolite fragments with crystals of K-feldspar. They are set in abundant very fined grained groundmass of unknown origin in which chlorite is a dominant constituent. Crystals of K-feldspar are substantially altered to clays.

THIN SECTION #16-8-3

Rhyolite

The rock consists of equal size laths of K-feldspar and quartz grains along with fine disseminated pyrite. They comprise 60-70%, 15-20% and 10-15% of thin section respectively. About 20-30% of K-feldspar is altered to sericite.

THIN SECTION #16-8-1 AND 18-8-2 COMBINED DESCRIPTION

Andesite(?) lithic lapilli-tuff

The rock consists of partly glassy fragments of andesitic (?) scoria with most of the vesicles filled by calcite and quartz. They are set in a heavily altered groundmass dominated by secondary calcite.

THIN SECTION #19-8

Diorite

The rock is composed of 50-60% plagioclase, 20-30% mafic minerals dominated by amphibole, 2-3% apatite and 10-20% secondary minerals. The latter include chlorite and calcite.

THIN SECTION #32-1 AND B-COMBINED DESCRIPTION

Laminated, Alunite Rich, Chert-Like Rock

Mineral composition of a rock represented by the two thin section is as follows:

Cryptocrystalline to very fine grained silica	30-40%
Fine grained quartz	25-30%
Alunite	25-30%
Pyrite	10-15%

These minerals comprise 2 types of laminae 0.5 to 3.0 mm wide. One type is composed of cryptocrystalline to very fine grained mutually interlocking quartz grains with minor pyrite and alunite. Layers of the second type consist of a coarser (0.05-0.2 mm) mosaic of quartz and alunite grains with very fine-grained disseminated pyrite. The layers are strongly deformed by pinch and swelling, pulling apart and in thin section #32-1 by intense folding.

POLISHED SECTION #32-1

It consists of 30-35% stibnite and 5-10% galena with the reminder being quartz. Stibnite occurs as anhedral, very irregular scattered grains, lesser as masses of mutually interlocking grains which also comprise 1mm wide veinlets. Some of the stibnite grains show "albite type" twining. Galena occurs as scattered, anhedral to euhedral grains.

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

TANTALUS PROJECT

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
16809	Sept 26	L5+83W, 1+30N	ANDESITE TUFF	Grab/ser.± chl	Tr. of cpy	nd	
16810	"	L12+80W, 1+60S	SER. SCHIST	Grab/ ser.	1% py	40	
16811	"	L13+00W, 1+57S	SER. SCHIST	Grab/ ser.	3-5% po, limonite	30	
16812	"	L12+95W, 0+40N	SER. SCHIST	Grab/ ser.	6-10% py	nd	
16813	"	L13+28W, 1+75N	ANDESITE OR DIORITE	Grab/ ser. + carb.	2-5% py	20	
16814	"	L12+75W, 4+35N	ANDESITE TUFF	Float/ser. - silica	10-15% pyrite	nd	
33230	Aug 5	L9+15W, 1+35S	SER. SCHIST	Qtz rich	10% py.	<0.001 oz/t	
33242	Aug 9	E side Treaty Gosson	ARGILLITE	Rusty argillite	3% py.	<0.001 oz/t	
33243	"	Same as above	RHYOLITE	Rusty rhyolite (Dilworth)	5% py	0.003 oz/t	
33244	"	Same as above	RHYOLITE	Same as above	5-10% pyrite	<0.001 oz/t	
33245	"	Same as above	RHYOLITE/ DACITE	Very rusty and grey	Finely diss. to massive 10-20% py	<0.001 oz/t	
33246	"	Same as above	CONTACT/SHEAR	Rhyolite/ And. limonite stain	No py.	<0.001 oz/t	
33253	Aug 16	W side Treaty Gosson	ANDESITE	Small vein of black hard rock 10 cm x 60 cm ?	5-10% py	<5	
33254	"	W side Treaty Gosson	ANDESITE	Several small veins of black hard rock 2-10 cm x 10 m?	5-20% py	20	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
33265	Aug 24	New Zone	CLAY	Grey looks pyritized ?		50	
33266	"	"	FLOAT	Siliceous rock with calcite chunks Lots of float	5-15% pyrite, 1% galena	30	
33267	"	"	"	Massive stibnite	<5% pyrite and galena	10, 3.17 oz/t	
33268	"	"	"	Siliceous rock with quartz crystals	20% pyrite	nd, 1.37 oz/t	
33269	"	Near New Zone	VOLCANIC SED.	Rusty bedded sediment, Big Zone 15 m x 75 m	1% pyrite	nd	
33270	"	"	INT. DYKE	Hematite stain + pyrite veinlets	2 m x ?	nd	
33271	"	"	QTZ BLOWOUT	Heavy limonite stains 2 m x 50 m	3-5% pyrite	30	
34501	Aug 8	VR-2	QTZ CEM.BRECC.	Float	limonite	0.016oz/t,2.98oz/t	
34502	"	"	SER-QTZ-PY-ALT ROCK	Float, sericitic-silicified	5-10% pyrite	0.051oz/t,2.18oz/t	
34503	"	"	ANDESITE LAP-ILLI TUFF	Float, sericitization	"	0.001oz/t, 0.25oz/t	
34504	Aug 8	ZONE A, GR2	QTZ-SER VEIN	Float	30-40% limonite, 10-20% galena, wad.	0.170oz/t, 5.30oz/t	
34505	"	"	"	"	" ", wad, az, mal.	0.401oz/t, 4.90oz/t	
34506	"	"	QTZ-SER ALT ROCK	Grab, silica-ser	10-15% pyrite	0.089oz/t, 1.76oz/t	
34507	"	"	SHEAR VEIN	Float, sericitic	60-70% galena, limonite wad	0.095oz/t, 4.17oz/t	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34508	Aug 8	ZONE A, GR2	QTZ-SER ALT ROCK	Float, sericitic-silicified	10-15% pyrite	0.061oz/t,	4.57oz/t
34509	"	"	SHEAR VEIN	Float, sericitic-silicified	10-15% chalcopyrite	0.013oz/t,	5.00oz/t
34510	Aug 9	"	LIM-QTZ CEMENTED BRECCIA	" " "	Limonite, tr cpy	0.044oz/t,	5.15oz/t
34511	"	ZONE B, GR2	SILICIFIED BRECCIA	Float, silicified	20-30% tetrahedrite (?) + gal	0.039oz/t,	0.81oz/t
34512	"	"	SILTSTONE	Grab, small pod	20-30% lim, 10-15% gal, tr. malachite, azurite	0.006oz/t,	5.80oz/t
34513	"	"	SHEAR VEIN	Float, sericitic-silicified	40-50% gal, 5-10% tetr(?) minor pyrite	0.142oz/t,	83.1oz/t
34514	"	"	"	Grab, sericitic-silicified	5-10% gal, 2-3% chal., minor malachite, azuirte	0.078oz/t,	6.91oz/t
34515	Aug 9	ZONE C, GR2	QTZ-SER-ALT ROCK	Grab, sericitic-silicified	10-15% pyrite	0.016oz/t,	8.40oz/t
34516	"	"	"	Float, sericitic-silicified	3-5% gal, minor pyrite and limonite	0.004oz/t,	11.7oz/t
34517	"	"	"	" "	20-30% pyrite, minor arsenopyrite	0.014oz/t,	2.33oz/t
34518	"	"	"	" "	10-15% pyrite	0.009oz/t,	1.14oz/t
34519	Aug 11	"	MASSIVE STIBNITE	Float, sericitic-silicified	99% stibnite	0.005oz/t,	1.26oz/t
34520	"	"	"	Grab	"	0.005oz/t,	1.35oz/t

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34521	Aug 11	ZONE D, GR2	ANDESITE PYROCLASITC	Chip 1.0 m, sericitic	5-10% pyrite	<0.001oz/t,	0.33oz/t
34522	"	"	SILTSTONE	Grab, sericitic-silicified	1-2% galena, limonite wad	<0.001oz/t,	1.92oz/t
34523	"	"	ANDESITE TUFF	Chip 1.0 m, sericitic	" "	0.003oz/t,	12.9oz/t
34524	Aug 11	ZONE E, GR2	QTZ VEIN	Float	10-15% galena, limonite + wad	0.003oz/t,	2.76oz/t
34525	"	"	"	"	20-30% pyrite, 1-2% gal, minor stibnite	0.006oz/t,	2.55oz/t
34526	Aug 11	ZONE E, GR2	SERICITE ALTERED ROCK	Chip 1.0 m, sericitic	2-3% py, 3-5% gal limonite	<0.001oz/t,	20.4oz/t
34527	Aug 12	"	"	" "	3-5% pyrite	15	
34528	"	"	"	Chip 1.5 m, sericitic	10-15% sericite	30	
34529	"	ZONE F, GR2	ANDESITE PYROCLASTIC	" "	10-15% limonite, 1-2% pyrite, 1-2% galena	50	
34530	"	"	SILTSTONE	Grab, silicified	5-10% pyrite, 10-15% limonite, 3-5% galena 3-5% sphalerite	55	
34531	"	"	ANDESITE TUFF	Chip 1.5 m, sericitic, silicified	3-5% pyrite, 5-10% gal 3-5% sphalerite, limonite mal-az stain, wad	80 ppb,	9.16oz/t
345232	"	"	QTZ VEIN	Float	limonite wad	10	
34533	Aug 12	GR2	ANDESITE PYROCLASTICS	Float, sericitization	limonite, wad	5	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34534	Aug 12	GR2	QTZ-SERICITE ALTERED ROCK	Chip 1.0 m, sericitic, silicified	limonite	nd	
34535	"	"	QTZ VEIN	Float	5-10% pyrite, 30-40% limonite	10	
34536	"	"	"	Float	5-10% galena, minor pyrite, limonite, wad	10, 1.84 oz/t	
34537	"	"	"	"	3-5% galena, 1-2% pyrite, limonite, wad	20	
34538	Aug 16	L0+25E, 0+00	DACITE	Grab, sericitization	2-3% pyrite	nd	
34539	"	L0+00, 1+00S	"	", silicification	2-3% pyrite	nd	
34540	Aug 18	L7+75W, 2+70N	DIORITE(?)	Grab, calcitization	limonite	nd	
34541	"	L8+95W, 1+40S	SERICITE ALTERED ROCK	Grab, sericitization	15% diss. pyrite	nd	
34542	"	L8+952, 1+40S	SER-QTZ ALTERED ROCK	Grab, silicified-sericitized	" "	50	
34543	"	L8+75W, 1+75S	SER-QTZ ALTERED ROCK	Grab, silicified-sericitized	10% pyrite	30	
34544	Aug 19	L8+90W, 4+65N	DIORITE	Grab, calcitization	limonite	nd	
34545	Aug 23	TR7	DACITE	Grab, sericitization	10-15% pyrite	nd	
34546	"	"	"	" "	"	nd	
34547	"	"	ANDESITE	" "	limonite	30	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34548	Aug 23	TR 7	ANDESITE	Grab sericitization	limonite	20	
34549	"	"	ANDESITE PYROCLASTICS	Grab, sericitization	3-5% pyrite	nd	
34550	"	"	SER-QTZ ALTERED ROCK	Grab, silicified-sericitized	"	20	
34551	Aug 24	"	ANDESITE PYROCLASTICS	" "	"	10	
34552	"	"	"	" "	"	10	
34553	"	"	"	Float, silicified-sericitized	5-10% pyrite	10	
34554	"	"	"	" "	10-15% pyrite	10	
34555	Aug 30	ZONE E, GR2	QTZ-SER SCHIST	4.0 m chip sericitic-silicified	minor pyrite	0.010 oz/ton	
34556	"	ZONE D, GR2	"	1.0 m chip "	3-5% pyrite	0.010 oz/t	
34557	Aug 31	"	QTZ-SER ALTERED ROCK	1.1 m chip "	limonite	<0.005 oz/t	
34558	Aug 23	"	"	Grab "	10-15% pyrite	<0.005 oz/t	
34559-60	"	"	"	See Trench #5			
34561-65	"	"	"	See Trench #6			
34566-68	"	"	"	See Trench #7			
34569-75	Aug 23	ZONE D, GR2	QTZ-SER ALTERED ROCK	See Trench #8			

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34578	Sept 24	W. OF ZONE F	FRAGMENT	Float	10-15% galena, limonite, minor stibnite	480	
34579	Sept 26	L10+08W, 1+90S		Float, silicification, qtz-py stockwork	20-30% massive pyrite	60	
34580	"	L9+65W, 2+25S	MASSIVE PYRITE POD	Grab	80-90% pyrite	60	
34581	"	L10+00W, 2+60S	LAMINATED CHERT	Float, native sulphur bearing	10-15% pyrite	50	
34582	"	L10+00W, 2+60S	"	"	"	nd	
34583	"	L10+70W, 1+55S	QTZ-PY POD	Grab	60-70% pyrite	190	
34584	Sept 26	L10+35W, 2+50S	LAMINATED CHERT	Float, native sulphur bearing	20-30% pyrite	nd	
34585	"	L10+77W, 2+35S	"	"	"	20	
34586	"	L11+85W, 1+98S	"	"	"	30	
34701	Aug 9	ZONE A 1675 m 5494'	ANDESITE	Grey, fine grained subporphyritic rusty weathering, hard, float	10% disseminated to blebby pyrite	<0.001 oz/t	
34702	Aug 9	ZONE B 1700 m 5560'	SULPHIDE BOULDER	Strongly gossanous, weakly foliated, float	40% massive pyrite 60% quartz with minor galena?	0.007 oz/t	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34703	Aug 9	ZONE B 1765 m 5789'	SHEAR ZONE	Source of 34702, 1.5-2.0 m wide, approx 30 m exposed along strike soft, friable, quartz sericite py-cp 1 m chip, weakly foliated, $040^{O}/40^{O}$NW	5% disseminated pyrite quartz-ser-py-ep? ± galena (fine grained)	0.048oz/t,	2.70oz/t
34704	"	ZONE B 1795 m 5888'	"	as 34703 but ≤ 5 m wide, 20 m long, exposed along strike, well foliated; bright yellow gossan 000^{O}/? qtz-se-py ± cpy ± galena, 5 m chip	Strong qz-py anastomosing stockwork veins	0.031oz/t,	6.09oz/t
34705	Aug 9	ZONE B 1835 m 6019'	"	Continuation along strike of sample #34704-bright yellow gossan with 0.5 m wide band mangangane oxide stained brecciated rock (type?) very linear, 000^{O}/?, runs out @ 1850 m elevation, grab	Quartz veins 30 cm wide with 3% pyrite 1% (in places) cpy minor blebby galena	0.045oz/t,	8.25oz/t
34706	"	ZONE B 1840 m 6035'	MASSIVE GALENA	Appears to be subcrop part of shear zone of samples #703-704, float	Coarse grained galena (75%) with quartz and 1% chalcopyrite + strong manganese oxide and iron oxide staining	0.207oz/t,	100.0oz/t
34707	Aug 9	ZONE C-1 1780 m 5838'	FAULT ZONE (SILTSTONE)	Strongly mineralized, highly sheared 160^{O}/?, grab	Pervasive manganese oxide replacement along bedding & fracture planes - blebby 2% galena in 10 cm quartz vein with iron oxide boxworks (lim. after pyrite)?	0.004oz/t,	27.4oz/t
34708	"	ZONE C-1 1780 m 5838'	"	" "	Massive 100% manganese oxide boulder or subcrop	0.002oz/t,	1.36oz/t

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34709	Aug 9	ZONE C-1 1700 m 5576'	MASSIVE PYRITE QUARTZ	Grey, fine grained, very gossanous on small moraine, float	30% crystalline pyrite in quartz vein	<0.001oz/t	
34710	Aug 11	ZONE C-1 1825 m 5986'	QUARTZ VEIN	Subcrop? white, sugary drusy texture with 2% fine grained blebby black mineral py? or cpy? semi-rounded to rounded outline 1 mm long, float	pyrite or chalcopyrite	0.003oz/t	
34711	"	ZONE C-1 1780 m 5838'	FAULT?	2 m wide covered in scree highly brecciated yellow orange streak on hillside-mudstone or siltstone 110° bearing, grab	5% very fine grained py, 1% blebby gal ± minor chalcopyrite	0.004oz/t,8.99oz/t	
34712	Aug 12	EAST OF ZONES A & B	SANDSTONE	Quartz vein, 10 cm wide, coarse grained massive texture, grab	Rare disseminated pyrite	nd	
34713	"	" 6300'	ANDESITE DYKE?	Highly gossanous, appears to be somewhat sheared, 010° trend, 15 m wide, 100 m along strike, brecciated, totally oxidized, grab	Silicified, 2% very fine grained pyrite	20	
34714	"	" 6300'	"	Gossanous, iron oxide surface stain, grab	Minor pyrite	nd	
34715	"	" 6281'	"	As 34713, grab	As 34713	nd	
34716	"	" 5478'	LIMESTONE	Large boulder, gossanous, black fine grained calcareous, float	Anastomosing massive coarse grained carbonate stockwork	nd	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34717	Aug 12	EAST OF ZONES A & B 5527'	BRECCIA?	Off white, coarse grained texture full of small pebbles, (semi-rounded) of sediments, no sulphides very porous, float	precipitate? or sinter	nd	
34718	"	" 5527'	QTZ BOULDER	Highly brecciated, resealed quartz vein, medium grained drusy matrix with laminated fine grained quartz clasts up to 2 cm long, float	Minor pyrite	9300	
34719	Aug 18	L5+50W, 1+50N	SILTSTONE	Small iron oxide rich, white carbonate vein, 5 cm wide fault filling $040^{\circ}/40^{\circ}$NW	Very gossanous	160	
34720	"	L4+44W, 1+70N	"	50 m east, small fault mineralized strong iron oxide stained quartz clay-pyrite mineralization trend $150^{\circ}60^{\circ}$SW, 3 m chip	10 cm wide quartz vein barren	280	
34721	Aug 19	L3+25W, 1+85N	ANDESITE W/ SMALL FAULT	2m wide, well foliated chlorite quartz(?) schist, weak surface iron oxide stain with local boudins of aphanitic andesite, 1 m chip	Iron oxide cemented brecciated texture, minor carbonate infilling 1% disseminated pyrite + rare quartz-galena tetra-hedrite	340	
34722	"	L3+00W, 1+10N	ANDESITE	Green, aphanitic, strong iron oxide stain, grab	With small 5 m wide zone of irregular massive pyrite veins up to 5mm wide	50	
34723	"	L2+00W,0+75N	SILTSTONE/ SANDSTONE BOULDER	Sheared, appearance, black fine grained well bedded, polished by glacial action, highly gossanous	Stockwork of 70% pyrite 30% chlorite veins $\leq$ 2.5 cm wide	200	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34724	Aug 23	ZONE C-1 5904'	SILTSTONE SANDSTONE	Small 1 m wide fault 160°/60°NE (approx) small quartz stringers in highly foliated sediments, grab	10% galena, trace chalcopyrite in small quartz-sulphide stringers	180	
34725 and 34726	"	ZONE C-1 5838' 10 m along vein	SHEARED SILTSTONE/ SANDSTONE	Approx 1 m wide mineralized, veins in sheared oxidized and manganiferous sediments, foliation appears to be oblique to bedding at a low angle approx 020°/50°SE 1 m chip and grab	30 cm wide quartz-galena- ± chalcopyrite vein 80% quartz-15% galena 5% sphalerite, minor chalcopyrite-strong quartz stockwork throughout	180 370	
34727	"	ZONE C-1 5838'	ANDESITE LAPILLI TUFF	Appears to be continuation of mineralized zone but w/minor off set, highly oxidized and manganese oxide stained quartz vein/stockwork in places completely replacing wallrock 170°/70°SW, grab	Pervasive replacement with manganese oxide + iron oxide	320	
34728	"	ZONE C-1 5773'	SILTSTONE	Strongly sheared porous and brittle rock, pervasively oxidized and manganese oxide stain, subcrop, grab	1 cm quartz-galena- ± chalcopyrite irregular stockwork	190	
34729	Aug 24	NW OF ZONE F 1700 m	DACITE LAPILLI TUFF	Shear, brecciated, well foliated approx 2 m wide, strongly oxidized rock clasts in fine grained black chlorite matrix foliation 040°/90°, 2 m rock chip	1-2% fine grained disseminated pyrite	90	
34730	"	NW OF ZONE F 1735 m	"	Shear, highly broken and outcrop fractured 3 m wide - no just float or scree of manganese oxide stained volcaniclastic trend 000°/?	highly manganiferous or specular hematite pervasive carbonate coating + qtz 3 mm stringers	60	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34731	Aug 24	NW OF ZONE F 1720 m	"	Shear, well foliated sericite schist with crushed oxidized clasts and matrix, pervasive manganese oxide stain, S 032°/90° 15 m wide approx., grab	No sulphides	60	
34732	"	" 1800 m	ANDESITE TUFF	Massive pyrite stockwork + sericite, very gossanous, float	3% pyrite	50	
34733	Aug 24	" 1745 m	ANDESITE TUFF	Shear, highly brecciated and broken, approx minimum width 2 m completely oxidized-original texture completely obliterated 15 m strike length approx. 5 m wide in places 080° trend	Manganese oxide stain on fractures	20	
34801	Aug 25	GR-2 TRENCH A	ANDESITE PYROCLASTICS	Chip 2.0 m	Traces - pyrite	20	
34802	"	"	"	"	Massive pyrite	nd	
34803	"	"	"	"	Traces - pyrite	10	
34804	Aug 25	GR-2 TRENCH A	ANDESITE PYROCLASTICS	Chip 2.0 m	Traces - pyrite	20	
34805	"	"	"	"	Galena, pyrite	150, 13.13 oz/t	
34806	"	"	"	"	Traces - pyrite	40	
34807	"	"	"	"	Traces - pyrite	20	
34808	"	"	"	"	Pyrite	30	
34809	"	GR-2 TRENCH B	"	"	Massive pyrite	10	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au Ag
34810	Aug 25	GR-2 TRENCH A	ANDESITE PYROCLASTICS	Chip 2.0 m	Galena + pyrite	180, 9.30 oz/t
34811	"	"	"	"	Some pyrite	80, 3.18 oz/t
34812	"	"	"	"	Some pyrite	100
34813	"	GR-2 TRENCH C	"	"	No mineralization	20
34814	"	"	"	"	No mineralization	20
34815	"	"	"	"	Massive galena, pyrite	180
34816	Aug 26	"	"	Chip 1.0 m	Massive galena, pyrite	110, 5.10 oz/t
34817	"	GR-2 TRENCH D	"	"	Massive galena, traces chalcopyrite and pyrite	110, 7.08 oz/t
34818	Aug 26	GR-2 TRENCH D	"	Chip 75 cm	Pyrite veinlets, traces of galena	70
34819	"	"	"	Chip 1.0 m	Limonite, trace of pyrite	40
34820	"	"	"	"	Dissemianted pyrite	40
34821	Aug 30	GR-2 TRENCH E	"	Chip 2.0 m	No mineralization	20
34822	"	"	"	"	"	20
34823	"	"	"	Chip 2.1 m	Traces of pyrite	20
34824	"	"	"	Chip 2.0 m	No mineralization	20
34825	"	"	"	"	"	10

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
34826	Aug 30	GR-2 TRENCH E	ANDESITE PYROCLASTICS	Chip 2.0 m	Limonite	10	
34827	"	"	"	"	"	20	
34828	"	"	"	"	"	nd	
34829	"	"	"	"	"	10	
34830	"	"	"	"	"	30	
34831	"	"	"	Chip 2.3 m	Limonite, manganese, galena	20	
34832-37	Aug 30	GR-2	ANDESITE PYROCLASTIC	See Trench #1			
34838-41	"	"	"	See Trench #2			
34842-44	"	"	"	See Trench #3			
34845-46	"	"	"	See Trench #4			
46001	Aug 12	E. Treaty Gossan	RHYOLITE	Strongly gossaned, very fine grained dirty greyish white. Sample is of grey pods within the rhyolite which are in part grey rhyolite + sulphide (pyrite) grunge	Trace-1% disseminated pyrite in rhyolite, 20% massive pyrite in the sulphide grunge.	270	
46002	"	"	SULPHIDE GRUNGE	Same location as 46001, hi-grade grab of pure greyish-black sulphide (pyrite) grunge	Sample is virtually all fine grained pyrite.	30	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
46003	Aug 12	"	RHYOLITE/ SHEAR ZONE	Sample approx. 40 m SW of 46001 and 46002 on small shear zone trending 240°/70°NW. Minor carbonate stringer veins and weak pervasive carbonate in matrix. Rock is greyish-white rhyolite	Contains 15-20% very fine grained disseminated pyrite and some massive patches of pyrite	0.054 oz/t	
46004	Aug 12	E. Treaty Gossan	RHYOLITE	Very strongly gossaned section of white-dark grey- to greyish black color. Local patches of carbonate alteration	Pyrite averages 1-2% disseminated with local massive sections (10-15%) Massive sections look like grey to grey-black grunge.	30	
46005	"	"	RHYOLITE/ BRECCIA ZONE	Coarse angular rhyolite fragments up to 2 cm x 2 cm in a gossaned matrix of rhyolite. Strong pervasive carbonate alteration throughout. Trend approx. 290°/20°NE, dip is just a guess	Contains trace-3% disseminated pyrite.	10	
46006	"	"	RHYOLITE & RHYOLITE BRECCIA	Altered rhyolite and rhyolite breccia. White carbonate coating on the weahtered suraface. Also weak to strong patches of carbonate in matrix	Trace pyrite	10	
46007	"	"	GOSSANED RHYOLITE SHEAR ZONE	Strong rusty gossan in altered rhyolite. Weak to moderate pervasive carbonate alteration	Contains 5-15% very fine grained disseminated pyrite	5	
46008	"	"	"	" "	" "	10	
46009	Aug 16	L7+15W,1+10N	SERICITE SCHIST	Very strongly gossaned, sample from canary yellow gossan patch Shear trend = 322°/90°	Contains 3-5% fine grained disseminated and cubic pyrite	<5	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
46010	Aug 16	L7+01W,2+00N	SERICITE SCHIST	Intense shearing in schist. Rock is extremely friable breaking into small chips. Strong pervasive gossan throughout Shear 313°/90°	Gossan so strong cannot get a fresh surface	<5	
46011		L7+10W,4+00N	IRON-CARB-ONATE VEIN	A 1 m wide carbonated flooded zone, trend=187°/62°W	No visible sulphides, yellow brown oxidation	<5	
46012	Aug 23	GR-2 ZONE E	MANGANESE WAD	Heavily gossaned area, northeast extensions of initial discoveries	Sample is virtually all manganese wad	nd	
46013	"	"	SERICITE SCHIST	Looks like altered rhyolitic volcanics. Gossan very strong and pervasive. Strong shearing Trend approx. 008°/80°E	Trace-1% disseminated pyrite on fresh surfaces	nd	
46014	"	GR-2 ZONE F	SERICITE SCHIST??	Heavily gossoned rock, can't really tell what it is	Trace-1% galena	40,	11.18oz/t
46015	"	"	SILICEOUS BANDS WITH ARGILLITE BANDS	From big gosson zone, siliceous bands with intermexed black siltstone or argillite bands - Bands trend 126°/10°NE, shearing 027°/60°SE	No visible sulphides	20	
46016	"	"	SILICEOUS POD/SHEAR	Siliceous unit within argillite that has brecciated angular clasts of argillite within the unit. Minor carbonate alteration	Contains trace-1% disseminated pyrite with local patches of up to 20% massive pyrite	30	

SAMPLE	DATE	LOCATION	LITHOLOGY	REMARKS/ALTERATION/STRUCTURE	MINERALIZATION	ANALYSIS Au	Ag
46017	Aug 23	GR-2 ZONE F	MASSIVE GALENA IN SERICITE SCHIST	Right beside 34531. Sample is of massive galena from strongly altered gosson zone	Up to 80% massive galena and some possible tetra-hedrite? Galena shows curved cleavage faces. Minor malachite stain present, some sphalerite seen on this outcrop but not in this sample	550	
46018	Aug 24	GR-2 ZONE D SHEAR FLOAT	SILICEOUS	Sheared siliceous rock, similar to float on Bic Pela Zone in the upper saddle. Float material found on rocks knobs sticking out of glacier	Contains 10% very fine grained disseminated pyrite	10	
46019	"	"	"	"	"	220	

APPENDIX IV

ASSAY REPORTS AND PROCEDURES

T S L LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

OreQuest Consultants Ltd.
306 - 595 Howe Street
Vancouver, B.C.
V6C 2T5

April 8, 1991

1 - SAMPLE PREPARATION PROCEDURES
Rock and Core

- Entire sample is crushed, riffled and the subsequent split is pulverized to -150 mesh.

Soils and Silts
- Sample is dried and sieved to -80 mesh.

2 - FIRE ASSAY PROCEDURES
Geochem Gold (Au ppb) -
A 30g subsample is fused, cupelled and the subsequent dore' bead is dissolved in aqua rega. The solution is then analyzed on the Atomic Absorption.

Assay Gold (Au oz/ton) -
A 29.16g subsample is fused, cupelled and the subsequent dore' bead is parted with a dilute nitric acid solution. The gold obtained is rinsed with DI water, annealed and weighed on a microbalance.

3 - Geochem Silver (Ag ppm) -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay Silver (Ag oz/ton) -
A 2.00g sample is digested with 7.5mls HCl plus 2.5mls HNO3 for 1 hour in a covered beaker; diluted to 100mls with 1:1 HCl. The solution is run on the Atomic Absorption.

4 - BASE METALS
Geochem - A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then rur on the Atomic Absorption.

Assay - A 0.500g sample is taken to dryness with 15mls HCl plus 5mls HNO3, then redissolved with 5mls HNO3 and diluted to 100mls with DI H20. The solution is run on the Atomic Absorption.

con't...

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5. ICAP Geochemical Analysis -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the ICAP.

6. Heavy Mineral Concentrates -
The sample is initially wet sieved through -1700 micron, then placed on a shaker table. A heavy liquid separation is performed, Methylene Iodide, (S.G. - 3.3); diluted to give a S.G. of 2.96. The heavies were then analyzed for Au by Fire Assay plus an ICAP Scan.

7. Mercury Analysis -
A 1 gram subsample is digested with 4mls of nitric acid plus 1ml of sulfuric acid in a water bath for 1 1/2 to 2 hours, diluted with DI water. A couple of drops of a potassium permangante solution are then added to each sample solution. An aliquot of each solution is then analyzed on the A.A. by a cold vapor procedure.

Yours truly,

Dennis Pilipiak

DP/vh

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 02 1990
REPORT#: 900622 GA
JOB#: 900622

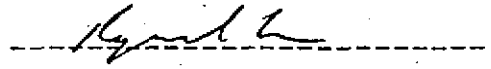
PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 01 1990
REPORT COMPLETED: OCT 02 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900622 NA
TOTAL SAMPLES: 10
SAMPLE TYPE: 10 ROCK
REJECTS: SAVED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: 

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900622 GA JOB NUMBER: 900622 PRIME EQUITIES INC.

SAMPLE #	Au ppb
34566	20
34567	nd
34568	nd
34569	nd
34570	nd
34571	nd
34572	nd
34573	nd
34574	nd
34575	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900622 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 01 1990 | DATE OUT: OCT 3 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
34566	3.0	0.70	>2000	202	<3	0.10	1.7	2	57	19	3.95	0.14	0.05	92	6	0.01	1	0.19	115	290	5	35	<5	<3	50
34567	1.3	0.65	455	116	<3	0.10	1.7	1	32	24	4.26	0.15	0.04	50	7	0.01	<1	0.10	77	165	5	29	<5	<3	34
34568	10.7	0.65	471	401	<3	0.06	1.5	<1	34	22	2.76	0.11	0.03	61	7	<0.01	<1	0.04	1335	204	3	19	<5	<3	47
34569	1.5	0.71	1037	432	<3	0.12	2.0	3	48	14	3.03	0.10	0.04	132	4	0.01	<1	0.09	310	80	4	38	<5	<3	53
34570	2.9	0.49	586	401	<3	0.12	4.3	2	34	14	2.42	0.10	0.04	316	5	0.01	<1	0.04	799	87	3	40	<5	<3	132
34571	5.6	0.78	399	379	<3	0.10	1.2	<1	35	12	2.44	0.11	0.05	105	3	<0.01	<1	0.03	539	89	3	32	<5	<3	54
34572	4.0	0.66	552	396	<3	0.10	0.2	2	38	17	2.20	0.09	0.06	141	4	<0.01	<1	0.05	429	82	3	24	<5	<3	64
34573	9.3	0.71	1112	319	<3	0.06	1.1	2	60	17	3.13	0.12	0.05	138	5	0.01	<1	0.04	1301	193	5	34	<5	<3	74
34574	3.7	0.81	919	419	<3	0.30	17.0	27	23	145	8.14	0.22	0.07	13718	8	0.06	<1	0.17	384	217	8	50	<5	<3	1545
34575	16.1	0.94	>2000	210	<3	0.14	3.0	7	37	92	5.26	0.18	0.05	719	5	0.03	<1	0.12	1801	320	6	51	<5	<3	540
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 09 1990
REPORT#: 900654 GA
JOB#: 900654

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 05 1990
REPORT COMPLETED: OCT 09 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900654 NA
TOTAL SAMPLES: 17
SAMPLE TYPE: 17 ROCK
REJECTS: SAVED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900654 GA JOB NUMBER: 900654 PRIME EQUITIES INC.

SAMPLE #	Au ppb
16807	nd
16808	nd
16809	nd
16810	40
16811	30
16812	nd
16813	20
16814	nd
34578	480
34579	60
34580	60
34581	50
34582	nd
34583	190
34584	nd
34585	20
34586	30

DETECTION LIMIT 5
nd = none detected -- = not analysed ls = insufficient sample

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MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 16 1990
REPORT#: 900654 AA
JOB#: 900654

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 05 1990
REPORT COMPLETED: OCT 16 1990
ANALYSED FOR: As Sb

INVOICE#: 900654 NA
TOTAL SAMPLES: 17
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 17 ROCK

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900654 AA JOB NUMBER: 900654 [redacted]

SAMPLE #	As %	Sb %
16807	<.01	.02
16808	<.01	.01
16809	<.01	.01
16810	<.01	<.01
16811	<.01	<.01
16812	<.01	<.01
16813	<.01	<.01
16814	<.01	<.01
34578	.41	2.80
34579	<.01	.04
34580	<.01	.02
34581	<.01	.01
34582	<.01	.01
34583	<.01	.01
34584	<.01	.01
34585	<.01	<.01
34586	<.01	.01
DETECTION LIMIT	.01	.01

1 troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: NOV 05 1990
REPORT#: 900654 AB
JOB#: 900654

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 05 1990
REPORT COMPLETED: NOV 05 1990
ANALYSED FOR: Ag

INVOICE#: 900654 NA
TOTAL SAMPLES: 2
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 2 ROCK

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900654 AB JOB NUMBER: 900654 PRIME EQUITIES INC.

SAMPLE #	Ag oz/st
34578	98.26
34579	1.64

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: NOV 16 1990
REPORT#: 900654 AC
JOB#: 900654

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 05 1990
REPORT COMPLETED: NOV 16 1990
ANALYSED FOR: Pb Zn

INVOICE#: 900654 NB
TOTAL SAMPLES: 1
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK PULP

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A

REPORT NUMBER: 900654 AC JOB NUMBER: 900654 PRIME EQUITIES INC.

SAMPLE #	Pb %	Zn %
34578	11.90	2.02
DETECTION LIMIT	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900654 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 05 1990 | DATE OUT: NOV 13 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
16807	0.3	1.51	<3	170	<3	4.79	0.7	16	17	36	5.38	0.19	1.55	1280	11	0.06	14	0.05	<2	<2	<2	338	<5	<3	93
16808	0.1	0.34	183	32	<3	8.31	2.1	7	79	6	3.29	<0.01	3.39	2166	17	0.07	8	0.01	23	14	<2	129	<5	<3	47
16809	0.3	5.72	<3	788	<3	5.55	0.9	38	61	113	8.13	0.27	3.96	1753	25	0.10	55	0.08	<2	<2	<2	163	<5	<3	121
16810	0.2	1.00	<3	85	<3	0.32	0.1	17	37	36	6.74	0.20	0.48	472	34	0.16	<1	0.24	189	6	<2	119	<5	<3	46
16811	0.2	2.25	<3	46	<3	0.73	<0.1	20	32	42	5.65	0.19	0.98	1129	12	0.09	<1	0.26	88	<2	<2	77	<5	<3	83
16812	<0.1	0.09	64	4	<3	0.02	<0.1	2	71	37	3.69	0.07	<0.01	19	17	0.02	<1	<0.01	25	30	<2	35	<5	<3	10
16813	0.7	1.36	21	15	<3	0.75	<0.1	14	26	93	3.29	0.20	0.63	1198	10	0.07	<1	0.12	19	6	<2	38	<5	<3	129
16814	0.2	1.06	<3	11	<3	2.76	<0.1	23	25	14	3.24	0.19	0.50	1249	6	0.08	<1	0.17	<2	10	<2	57	<5	<3	83
34578	>50.0	0.13	>2000	9	<3	0.05	178.9	4	162	3191	4.90	0.08	<0.01	4278	38	0.03	<1	<0.01	>20000	>2000	<2	27	<5	<3	>20000
34579	>50.0	0.09	89	3	<3	<0.01	3.0	7	130	92	5.55	0.10	<0.01	165	8	0.03	<1	<0.01	3863	622	<2	50	<5	<3	518
34580	17.4	0.04	<3	<1	<3	0.10	1.1	14	140	100	>10.00	0.27	<0.01	53	23	0.06	<1	<0.01	657	129	<2	4	<5	<3	73
34581	5.1	0.39	<3	5	<3	<0.01	<0.1	7	66	13	2.67	0.04	<0.01	<1	4	0.04	<1	<0.01	331	60	<2	26	<5	<3	23
34582	2.6	0.24	<3	<1	<3	<0.01	<0.1	<1	81	6	4.65	0.08	<0.01	<1	7	0.04	<1	<0.01	174	41	<2	35	<5	<3	15
34583	3.6	0.15	<3	<1	<3	0.02	0.2	19	56	23	8.79	0.19	<0.01	<1	19	0.03	<1	<0.01	207	42	<2	12	<5	<3	40
34584	1.0	0.27	<3	4	<3	<0.01	<0.1	6	80	<1	2.70	0.02	<0.01	<1	3	0.04	<1	<0.01	71	25	<2	48	<5	<3	7
34585	0.6	0.24	<3	<1	<3	<0.01	<0.1	1	83	3	5.48	0.08	<0.01	<1	11	0.04	<1	<0.01	19	21	<2	53	<5	<3	4
34586	1.3	0.35	<3	8	<3	<0.01	<0.1	16	71	1	4.00	0.06	<0.01	<1	1	0.05	<1	<0.01	57	19	<2	39	<5	<3	5
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 03 1990
REPORT#: 900621 AA
JOB#: 900621

PROJECT#: TANTALUS
SAMPLES ARRIVED: OCT 01 1990
REPORT COMPLETED: OCT 03 1990
ANALYSED FOR: Cu Pb Zn Au

INVOICE#: 900621 NA
TOTAL SAMPLES: 11
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 11 ROCK

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

688-673

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900621 AA JOB NUMBER: 900621 PRIME EQUITIES INC.

SAMPLE #	Cu %	Pb %	Zn %	Au oz/st
34555	.03	.26	.20	.010
34556	.02	.18	.16	.010
34557	.02	.01	.01	<.005
34558	.01	.01	.01	<.005
34559	.02	.11	.08	<.005
34560	.02	.21	.08	.006
34561	.02	.03	.10	<.005
34562	.02	.07	.10	<.005
34563	.02	.35	.32	<.005
34564	.01	.58	.45	<.005
34565	.04	.06	.25	<.005
DETECTION LIMIT	.01	.01	.01	.005

1 troy oz/short ton = 31.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 05 1990
REPORT#: 900621 AB
JOB#: 900621

PROJECT#: TANTALUS
SAMPLES ARRIVED: OCT 01 1990
REPORT COMPLETED: OCT 05 1990
ANALYSED FOR: Ag

INVOICE#: 900621 NB
TOTAL SAMPLES: 1
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900621 AB JOB NUMBER: 900621 PRIME EQUITIES INC.

SAMPLE #	Ag oz/st
34560	1.37

DETECTION LIMIT .01

1 troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phn(604)251-5656 Faxn(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900621 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 01 1990 | DATE OUT: OCT 3 1990 | ATTENTION: MR. JIM FOSTER | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
34555	19.7	0.72	431	544	<3	0.31	13.9	17	32	96	5.75	0.18	0.06	16510	9	0.07	16	0.15	5213	132	7	32	<5	<3	1834
34556	28.0	0.32	1384	268	<3	0.04	5.5	2	129	54	1.34	0.03	0.02	1320	7	0.02	5	0.03	3507	192	<2	42	<5	<3	499
34557	1.2	0.56	357	318	<3	0.06	1.5	9	29	66	4.44	0.12	0.03	452	7	0.01	3	0.18	145	38	4	39	<5	<3	144
34558	0.5	1.95	<3	56	<3	1.31	2.2	21	50	29	4.14	0.19	0.65	957	9	0.04	2	0.17	103	<2	14	44	<5	<3	107
34559	31.0	0.81	1356	221	<3	0.32	12.9	7	49	107	5.14	0.16	0.06	3219	8	0.04	<1	0.13	2788	155	5	41	<5	<3	912
34560	>50.0	0.95	>2000	265	<3	0.15	7.2	5	56	117	4.29	0.12	0.04	660	5	0.04	<1	0.13	4960	192	5	47	<5	<3	908
34561	3.8	0.81	>2000	100	<3	0.12	16.9	14	38	94	5.81	0.13	0.05	407	7	0.04	6	0.09	880	148	10	26	<5	<3	1054
34562	14.6	0.78	>2000	110	<3	0.05	13.4	7	27	81	4.50	0.10	0.03	783	8	0.04	<1	0.09	2102	143	5	25	<5	<3	1033
34563	28.0	0.78	1500	168	<3	0.33	49.6	12	37	89	6.14	0.19	0.12	>20000	10	0.11	<1	0.09	7436	225	7	25	<5	<3	3329
34564	36.0	0.57	1625	75	<3	0.29	88.2	12	67	68	4.38	0.14	0.10	>20000	16	0.14	<1	0.06	12616	652	6	22	<5	<3	4731
34565	7.2	1.27	809	178	<3	0.39	42.4	13	23	243	4.51	0.15	0.15	5601	8	0.08	<1	0.09	1464	110	6	52	<5	<3	2528
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANCOUVER, BC V5L 1J6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 12 1990
REPORT#: 900427 GA
JOB#: 900427

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: SEPT 10 1990
REPORT COMPLETED: SEPT 12 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900427 NA
TOTAL SAMPLES: 20
SAMPLE TYPE: 20 ROCK
REJECTS: SAVED

SAMPLES FROM: MR. W. RAVEN - OREQUEST
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900427 GA JOB NUMBER: 900427 PRIME EQUITIES INC.

SAMPLE #	Au ppb
34801	20
34802	nd
34803	10
34804	20
34805	150
34806	40
34807	20
34808	30
34809	10
34810	180
34811	80
34812	100
46012	nd
46013	nd
46014	40
46015	20
46016	30
46017	550
46018	10
46019	220

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

1988 TRIUMPH STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 17 1990
REPORT#: 900427 AA
JOB#: 900427

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: SEPT 10 1990
REPORT COMPLETED: SEPT 17 1990
ANALYSED FOR: Pb Zn Ag

INVOICE#: 900427 NB
TOTAL SAMPLES: 5
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 5 ROCK

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VANCOUVER, BC V5L 1L6
(604) 251-5656

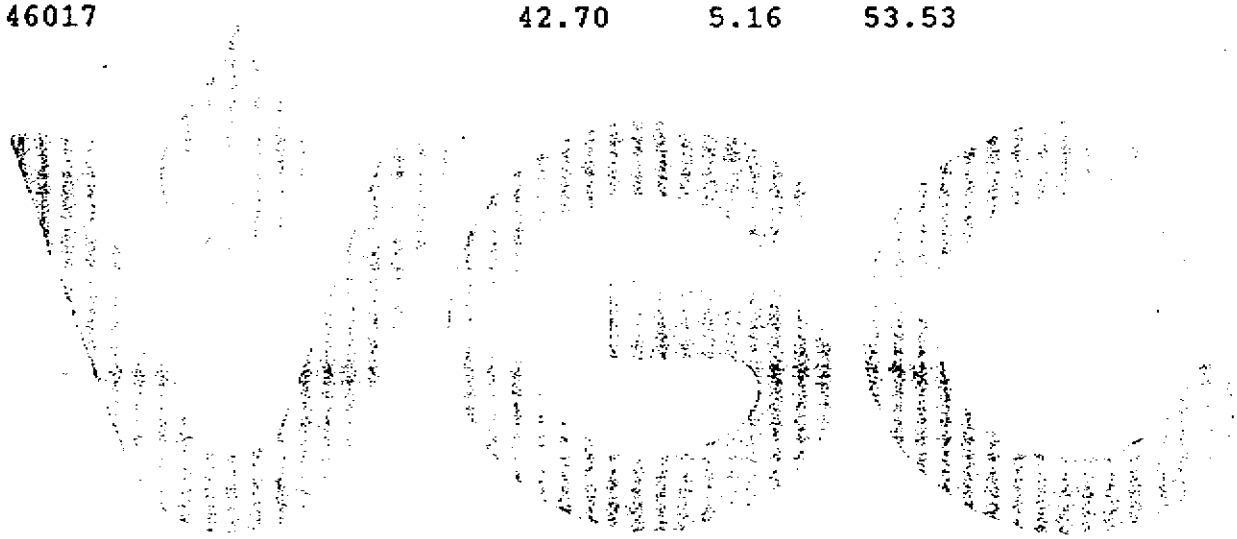
VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900427 AA JOB NUMBER: 900427 PRIME EQUITIES INC.

SAMPLE #	Pb %	Zn %	Ag oz/st
34805	3.22	--	13.13
34810	2.17	--	9.30
34811	--	--	3.18
46014	--	--	11.18
46017	42.70	5.16	53.53



DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900427 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TR) | DATE IN: SEPT 10 1990 | DATE OUT: SEPT 13 1990 | ATTENTION: MR. JIM FOSTER | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
34801	0.9	0.71	117	98	<3	0.88	3.1	22	19	91	4.39	0.13	0.30	6959	13	<0.01	<1	0.19	130	51	3	25	<5	<3	962
34802	4.4	0.95	575	77	<3	0.51	4.8	25	14	149	6.14	0.38	0.15	7303	15	<0.01	<1	0.26	417	113	6	21	<5	<3	899
34803	11.1	0.76	283	72	<3	0.38	10.0	20	8	105	4.81	0.25	0.12	5524	12	<0.01	<1	0.19	372	101	<2	15	<5	<3	1041
34804	6.9	0.74	815	225	<3	0.13	0.7	8	21	50	3.86	0.41	0.04	754	14	<0.01	<1	0.11	253	93	4	20	<5	<3	520
34805	>50.0	0.57	1701	97	<3	0.17	88.0	7	62	756	3.87	0.10	0.05	2882	15	<0.01	<1	0.10	>20000	1422	5	16	<5	<3	8678
34806	17.2	0.54	756	60	<3	0.15	3.7	6	26	33	2.53	0.25	0.03	1286	9	<0.01	25	0.15	967	94	<2	12	<5	<3	609
34807	16.6	0.53	474	76	<3	0.10	1.0	4	28	11	1.08	0.23	0.06	133	10	<0.01	<1	0.07	535	83	4	14	<5	<3	91
34808	4.6	0.87	561	161	<3	0.42	<0.1	13	64	53	3.09	0.14	0.32	6288	12	<0.01	49	0.11	222	59	4	31	<5	<3	333
34809	1.3	1.02	109	64	<3	0.57	6.0	24	11	125	6.14	0.41	0.19	3646	10	<0.01	7	0.28	92	52	<2	31	<5	<3	791
34810	>50.0	0.36	22	99	<3	0.24	176.1	10	113	1436	4.06	<0.01	0.09	13548	19	<0.01	160	0.05	>20000	1439	3	11	<5	<3	19606
34811	>50.0	0.25	283	160	<3	0.10	49.8	5	75	243	2.61	<0.01	0.02	8084	20	<0.01	111	0.04	10725	364	6	6	<5	<3	6127
34812	12.3	0.36	665	85	<3	0.03	1.3	2	35	21	1.73	<0.01	<0.01	668	10	<0.01	<1	0.08	1086	125	<2	6	<5	<3	343
46012	5.4	0.65	259	55	<3	0.30	7.0	15	21	160	4.34	0.10	0.05	15805	11	<0.01	21	0.20	352	133	<2	25	<5	<3	751
46013	6.5	0.74	>2000	159	<3	0.13	<0.1	7	43	97	4.36	0.46	0.02	268	13	<0.01	5	0.16	478	179	<2	17	<5	<3	81
46014	>50.0	0.56	385	619	<3	0.21	7.0	5	70	512	2.14	0.22	0.03	4189	15	<0.01	91	0.16	16896	878	<2	12	<5	<3	992
46015	8.8	0.83	343	431	<3	0.19	<0.1	6	12	131	3.17	0.33	0.04	327	13	<0.01	<1	0.18	419	96	<2	22	<5	<3	591
46016	4.1	0.21	290	23	44	0.05	<0.1	8	102	42	2.40	0.05	<0.01	82	17	<0.01	157	0.01	142	86	<2	11	<5	<3	39
46017	>50.0	0.09	<3	11	32	0.16	638.3	11	86	6058	4.13	<0.01	0.03	>20000	34	<0.01	<1	<0.01	>20000	>2000	4	27	<5	<3	>20000
46018	11.1	1.68	<3	219	<3	4.24	3.2	23	37	220	4.78	<0.01	0.87	1835	11	<0.01	43	0.20	3376	51	<2	327	<5	<3	737
46019	4.6	0.21	1641	12	<3	0.09	0.9	11	116	75	2.91	0.04	0.01	82	16	<0.01	173	0.01	427	154	<2	11	<5	<3	117
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr Box 10 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 10 1990
REPORT#: 900405 GA
JOB#: 900405

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: SEPT 07 1990
REPORT COMPLETED: SEPT 10 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900405 NA
TOTAL SAMPLES: 34
SAMPLE TYPE: 34 ROCK CHIP
REJECTS: SAVED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS LTD.
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VANCOUVER, BC V5L 1J6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900405 GA JOB NUMBER: 900405 **PRIME EQUITIES INC.**

SAMPLE #	Au ppb
34813	20
34814	20
34815	180
34816	110
34817	110
34818	70
34819	40
34820	40
34821	20
34822	20
34823	20
34824	20
34825	10
34826	10
34827	20
34828	nd
34829	10
34830	30
34831	20
34832	10
34833	nd
34834	10
34835	50
34836	100
34837	60
34838	20
34839	30
34840	400
34841	nd
34842	nd
34843	20
34844	160
34845	220
34846	250

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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MAIN OFFICE
~~1966 TRIUMPH ST.~~
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● FAX (604) 254-5717

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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 17 1990
REPORT#: 900405 AA
JOB#: 900405

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: SEPT 07 1990
REPORT COMPLETED: SEPT 17 1990
ANALYSED FOR: Pb Zn Ag

INVOICE#: 900405 NA
TOTAL SAMPLES: 12
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 12 ROCK CHIP

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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~~1088 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
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• FAX (604) 254-5717

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900405 AA JOB NUMBER: 900405 PRIME EQUITIES INC.

SAMPLE #	Pb %	Zn %	Ag oz/st
34814	--	--	1.49
34815	7.53	--	10.82
34816	3.31	--	5.10
34817	4.03	--	7.08
34831	3.30	--	8.33
34835	--	--	2.98
34836	7.73	3.87	16.60
34840	7.70	--	9.32
34843	--	--	3.24
34844	--	--	21.04
34845	14.30	2.21	26.08
34846	9.31	4.04	34.00
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900405 PA | PRIME EQUITY INC. | PROJECT: TANTALUS (TR) | DATE IN: SEPT 07 1990 | DATE OUT: SEPT 13 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
34813	45.0	0.46	97	79	<3	0.25	8.4	10	23	82	1.86	0.02	0.05	17266	9	<0.01	3	0.09	798	82	<2	43	<5	<3	1159
34814	>50.0	0.36	118	115	<3	0.23	13.2	4	25	117	1.75	<0.01	0.04	18616	6	<0.01	<1	0.09	3258	180	3	41	<5	<3	1667
34815	>50.0	0.48	<3	71	<3	0.29	68.8	9	54	1477	4.03	<0.01	0.05	>20000	9	<0.01	2	0.08	>20000	1215	3	31	<5	<3	7389
34816	>50.0	0.50	<3	170	<3	0.23	42.4	10	89	697	3.54	0.04	0.04	>20000	10	<0.01	<1	0.08	>20000	583	<2	39	<5	<3	4650
34817	>50.0	0.55	553	70	<3	0.38	38.1	12	59	1002	5.67	0.12	0.07	19630	15	<0.01	2	0.12	>20000	1028	4	23	<5	<3	4558
34818	22.0	0.65	347	312	<3	0.29	16.5	13	85	122	2.80	0.11	0.05	8886	7	<0.01	8	0.13	5068	95	<2	23	<5	<3	1935
34819	15.1	0.71	310	365	<3	0.66	22.7	14	26	61	3.64	0.02	0.14	11173	5	<0.01	2	0.20	1577	54	3	38	<5	<3	3600
34820	16.4	0.71	262	87	<3	2.29	24.5	25	40	135	5.78	<0.01	0.64	7940	10	<0.01	28	0.26	1511	64	<2	49	<5	<3	3987
34821	0.8	0.92	376	679	<3	0.28	0.4	15	17	118	3.86	0.33	0.06	2990	4	<0.01	<1	0.22	71	62	<2	34	<5	<3	281
34822	0.2	0.93	381	497	<3	0.29	0.5	18	24	115	4.30	0.38	0.05	2881	7	<0.01	<1	0.25	43	59	<2	64	<5	<3	209
34823	0.3	0.75	709	590	<3	0.19	<0.1	7	8	109	3.87	0.35	0.04	283	6	<0.01	<1	0.22	75	68	<2	33	<5	<3	173
34824	0.4	0.73	681	468	<3	0.17	<0.1	5	8	126	3.53	0.24	0.04	244	1	<0.01	<1	0.23	70	62	3	28	<5	<3	274
34825	0.5	0.60	758	286	<3	0.19	<0.1	5	8	122	2.88	0.23	0.03	145	9	<0.01	<1	0.27	31	75	<2	24	<5	<3	110
34826	0.4	0.79	1051	464	<3	0.25	<0.1	13	18	107	4.50	0.34	0.05	2479	8	<0.01	<1	0.24	28	62	<2	30	<5	<3	188
34827	1.4	0.82	182	362	<3	1.07	0.8	18	8	131	4.12	0.05	0.07	5603	7	<0.01	<1	0.26	98	87	<2	25	<5	<3	350
34828	4.0	0.85	1575	297	<3	0.29	4.5	6	18	125	5.34	0.58	0.04	2454	7	<0.01	<1	0.30	345	146	3	53	<5	<3	325
34829	5.3	0.85	1265	267	<3	0.31	3.8	5	10	101	6.80	0.66	0.05	2870	11	<0.01	<1	0.25	444	151	<2	46	<5	<3	700
34830	4.0	0.66	610	211	<3	0.26	3.9	8	11	86	4.71	0.19	0.03	10894	5	<0.01	<1	0.23	395	99	<2	27	<5	<3	646
34831	>50.0	0.74	16	256	<3	0.30	33.4	8	8	1047	4.65	0.22	0.04	9824	5	<0.01	<1	0.23	>20000	914	2	31	<5	<3	2037
34832	5.0	0.93	595	85	<3	0.92	4.1	32	7	201	6.57	0.23	0.29	15725	6	<0.01	<1	0.27	736	161	<2	26	<5	<3	1206
34833	11.2	1.33	981	164	<3	0.86	9.9	32	8	215	7.83	0.46	0.21	15033	12	<0.01	2	0.29	482	135	4	24	<5	<3	1658
34834	7.6	1.08	926	253	<3	0.32	4.6	31	10	166	9.18	0.47	0.06	10114	12	<0.01	<1	0.34	2503	100	<2	17	<5	<3	1249
34835	>50.0	0.82	435	106	23	0.15	1.1	4	3	74	4.60	0.31	0.03	2039	7	<0.01	<1	0.17	12192	174	<2	12	<5	<3	766
34836	>50.0	0.54	54	66	<3	0.25	510.3	7	44	1377	3.56	0.15	0.07	18305	24	<0.01	<1	0.10	>20000	1184	4	7	<5	<3	>20000
34837	19.5	0.62	698	95	16	0.13	4.2	1	19	36	3.33	0.20	0.04	4762	6	<0.01	<1	0.11	1605	113	<2	18	<5	<3	870
34838	37.0	0.54	1315	56	<3	0.55	20.1	12	27	110	6.56	<0.01	0.15	>20000	7	<0.01	<1	0.12	6427	125	<2	28	<5	<3	2980
34839	26.0	0.56	798	101	<3	0.33	26.9	10	15	117	3.87	0.13	0.06	15046	5	<0.01	<1	0.14	2723	142	<2	20	<5	<3	2385
34840	>50.0	0.57	<3	99	<3	0.38	96.9	10	28	1168	4.54	<0.01	0.07	>20000	12	<0.01	<1	0.12	>20000	767	<2	21	<5	<3	9276
34841	26.0	0.75	235	254	<3	0.85	17.4	12	7	104	3.46	0.07	0.24	12503	5	<0.01	<1	0.20	2919	67	<2	35	<5	<3	2970
34842	24.0	0.79	233	200	<3	0.49	10.6	15	9	65	4.42	0.12	0.12	>20000	10	<0.01	6	0.17	1489	62	<2	35	<5	<3	2529
34843	>50.0	0.59	115	363	51	0.44	23.0	5	7	279	4.41	<0.01	0.06	>20000	6	<0.01	<1	0.11	996	187	<2	336	<5	<3	4518
34844	>50.0	0.39	<3	32	<3	0.17	287.4	6	30	1424	2.47	0.08	0.04	14759	16	<0.01	<1	0.06	>20000	1795	<2	13	<5	<3	>20000
34845	>50.0	0.30	<3	42	<3	0.58	260.3	7	23	3587	5.21	<0.01	0.14	>20000	16	<0.01	<1	0.04	>20000	>2000	<2	26	<5	<3	>20000
34846	>50.0	0.47	3	46	16	0.33	495.6	13	67	4448	4.20	<0.01	0.03	>20000	27	<0.01	<1	0.08	>20000	>2000	4	105	<5	<3	>20000
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITY INC.
ADDRESS: 10th Flr Box 10 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 04 1990
REPORT#: 900320 GA
JOB#: 900320

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: AUG 28 1990
REPORT COMPLETED: SEPT 04 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900320 NA
TOTAL SAMPLES: 50
SAMPLE TYPE: 50 ROCK
REJECTS: SAVED

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: PRIME EQUITY INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1966 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900320 GA JOB NUMBER: 900320 PRIME EQUITY INC.

SAMPLE #	Au ppb
33265	50
33266	30
33267	10
33268	nd
33269	nd
33270	nd
33271	30
34534	nd
34535	10
34536	10
34537	20
34538	nd
34539	nd
34540	nd
34541	nd
34542	50
34543	30
34544	nd
34545	nd
34546	nd
34547	30
34548	20
34549	nd
34550	20
34551	10
34552	10
34553	10
34554	nd
34712	nd
34713	20
34714	nd
34715	nd
34716	nd
34717	nd
34718	9300
34719	160
34720	280
34721	340
34722	50

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900320 GA JOB NUMBER: 900320 PRIME EQUITY INC.

SAMPLE #	Au ppb
34723	200
34724	180
34725	180
34726	370
34727	320
34728	190
34729	90
34730	60
34731	60
34732	50
34733	20

DETECTION LIMIT 5
nd = none detected -- = not analysed Is = Insufficient sample

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900320 AA JOB NUMBER: 900320 PRIME EQUITY INC.

SAMPLE #	Cu %	Pb %	Zn %
33265	.01	.02	.01
33266	.03	.30	.21
33267	.06	9.06	.85
33268	.03	.76	.10
33269	.03	.23	.05
33270	.03	.02	.10
33271	.02	.02	.20
34534	.02	.11	.40
34535	.03	1.01	.10
34536	.02	3.55	.07
34537	.02	1.58	.59
34538	.01	.01	.02
34539	.01	.01	.01
34540	.02	.01	.02
34541	<.01	<.01	.01
34542	.01	<.01	.01
34543	.01	.01	.05
34544	.02	.01	.01
34545	.02	.01	.01
34546	.02	.01	.02
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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SAMPLE #	Cu %	Pb %	Zn %
34547	.02	<.01	.01
34548	.01	<.01	.01
34549	.02	<.01	.01
34550	.02	<.01	.01
34551	<.01	<.01	.01
34552	.01	<.01	.02
34553	.01	<.01	.01
34554	<.01	<.01	.02
34712	<.01	<.01	.01
34713	.01	<.01	.01
34714	.01	.01	.01
34715	.01	<.01	.01
34716	.01	.01	.01
34717	.01	<.01	.01
34718	.01	.16	.01
34719	.02	.01	.03
34720	.01	.01	.02
34721	.01	.14	.17
34722	.01	.01	.02
34723	.01	.16	.13
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

Vancouver, BC V5L 1L6
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Cu %	Pb %	Zn %
34724	.04	16.30	.13
34725	.04	3.28	.21
34726	.03	11.96	.13
34727	.03	.58	.16
34728	.05	9.47	.08
34729	.02	.09	.02
34730	.03	.15	.15
34731	.01	.09	.29
34732	.01	.01	.02
34733	.02	.01	.04
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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ASSAY ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr Box 10 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 07 1990
REPORT#: 900320 AB
JOB#: 900320

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: AUG 28 1990
REPORT COMPLETED: SEPT 07 1990
ANALYSED FOR: Ag

INVOICE#: 900320 NA
TOTAL SAMPLES: 8
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 8 ROCK

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VANCOUVER, BC V5L 1L5
(604) 251-5656

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900320 AB JOB NUMBER: 900320 PRIME EQUITIES INC.

SAMPLE #	Ag oz/st
33267	3.17
33268	1.37
34536	1.84
34718	4.62
34724	12.64
34725	2.28
34726	9.44
34728	4.48

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

REPORT #: 900320 PM

PRIME EQUITY INC. PROJECT: TANTALUS (TR) DATE IN: AUG 28 1990 DATE OUT: SEPT 13 1990 ATTENTION: MR. JIM FOSTER ANALYST: Rgnl R

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
33265	4.1	0.72	35	268	<3	0.18	6.5	4	427	26	1.55	0.83	0.06	152	375	<0.01	1737	0.03	270	30	5	64	<5	<3	58
33266	15.8	0.69	>2000	16	<3	0.29	4.8	12	185	208	>10.00	0.22	0.14	>20000	39	0.02	33	0.08	3182	96	13	12	<5	<3	2515
33267	>50.0	0.22	1348	20	<3	2.07	135.9	27	30	523	>10.00	0.67	0.65	>20000	28	0.06	34	0.05	>20000	392	23	141	<5	<3	18654
33268	49.0	0.47	755	19	<3	0.79	27.7	10	46	212	9.95	0.26	0.23	>20000	27	0.01	4	0.10	9974	101	13	28	<5	<3	1247
33269	6.7	3.33	<3	235	<3	0.21	2.6	18	30	242	7.04	0.10	1.26	3454	13	<0.01	10	0.17	3069	39	14	15	<5	<3	646
33270																									
33271	1.5	1.26	136	88	<3	5.39	0.4	22	47	210	6.10	0.71	0.35	2619	8	<0.01	42	0.25	261	18	8	154	<5	<3	163
45534	1.3	2.22	<3	27	<3	1.32	1.0	17	82	73	9.51	0.33	0.52	1014	11	<0.01	12	0.08	230	42	12	18	<5	<3	157
45535	7.8	0.39	1853	37	<3	0.24	<0.1	5	46	64	5.26	0.06	0.06	>20000	9	<0.01	5	0.04	1171	50	6	22	<5	<3	474
45536	39.0	0.51	>2000	18	<3	0.06	<0.1	7	100	175	>10.00	0.25	0.03	1178	53	0.01	14	0.05	10310	366	14	20	<5	<3	1135
45537	>50.0	0.54	213	45	<3	2.86	10.9	17	64	107	>10.00	0.77	0.64	>20000	24	0.01	29	0.05	>20000	157	26	22	<5	<3	800
45538	16.6	0.21	1118	20	<3	0.40	32.0	8	58	84	9.72	0.17	0.19	>20000	11	0.04	4	0.03	16581	244	12	9	<5	<3	9836
45539	0.9	1.84	28	42	<3	0.77	<0.1	11	34	31	3.35	0.11	1.65	1081	18	<0.01	1	0.24	306	6	16	12	<5	<3	127
45540	0.1	8.46	27	49	<3	0.04	0.2	3	53	11	1.28	<0.01	0.04	248	5	<0.01	<1	0.02	136	<2	3	4	<5	<3	18
45541	0.5	0.80	25	>1000	<3	8.36	2.1	27	29	38	7.28	0.07	3.22	1991	7	<0.01	18	0.09	84	6	9	253	<5	<3	173
45542	0.1	0.17	21	21	<3	0.08	0.7	8	27	11	4.44	<0.01	0.03	113	6	<0.01	<1	<0.01	43	<2	4	24	<5	<3	9
45543	0.3	0.31	12	5	<3	0.02	1.5	7	131	12	7.25	0.04	<0.01	151	7	<0.01	<1	<0.01	79	8	7	6	<5	<3	12
45544	1.2	0.66	14	10	<3	0.21	7.2	6	48	25	2.94	<0.01	0.19	209	6	<0.01	<1	0.12	89	<2	5	38	<5	<3	558
45545	0.6	1.13	<3	185	<3	9.27	2.1	17	46	76	4.69	0.87	3.20	1594	6	<0.01	43	0.20	183	<2	7	257	<5	<3	86
45546	0.3	1.94	>2000	8	<3	1.57	<0.1	20	24	69	5.42	0.23	1.91	1318	10	<0.01	8	0.18	45	14	13	43	<5	<3	65
45547	0.1	1.43	543	10	<3	1.23	<0.1	22	22	74	5.42	0.21	0.64	780	14	<0.01	4	0.19	36	7	13	40	<5	<3	207
45548	0.1	1.24	81	64	<3	0.15	1.8	12	57	47	7.88	0.11	0.09	613	12	<0.01	5	0.25	49	18	9	22	<5	<3	172
45549	0.1	0.81	41	27	<3	3.37	2.1	14	35	38	5.40	0.47	1.30	1554	7	<0.01	<1	0.18	31	<2	7	86	<5	<3	139
45550	0.1	0.60	78	10	<3	0.04	0.3	9	16	32	4.37	<0.01	0.05	31	5	<0.01	<1	0.09	36	<2	6	4	<5	<3	36
45551	0.2	1.65	14	13	<3	0.97	1.1	17	38	44	4.59	0.17	0.87	623	7	<0.01	<1	0.19	33	4	11	54	<5	<3	87
45552	<0.1	1.37	4	203	<3	0.18	0.3	8	26	40	4.07	0.06	0.34	361	7	<0.01	<1	0.13	45	4	12	60	<5	<3	33
45553	0.2	1.30	16	15	<3	0.05	1.2	3	46	19	6.88	0.05	0.27	233	16	<0.01	<1	0.04	45	13	11	7	<5	<3	98
45554	0.1	0.87	64	19	<3	0.34	0.2	6	49	15	4.95	0.09	0.19	216	10	<0.01	<1	0.26	30	6	7	11	<5	<3	82
45512	<0.1	0.85	22	6	<3	1.68	0.9	6	59	16	6.12	0.24	0.13	699	7	<0.01	<1	0.40	42	50	8	27	<5	<3	176
45513	<0.1	0.06	5	11	<3	0.35	0.6	<1	83	<1	0.73	<0.01	0.02	109	4	<0.01	<1	0.01	12	<2	<2	25	<5	10	24
45514 ✓	<0.1	2.36	<3	72	<3	0.90	0.2	10	34	35	3.80	0.12	0.24	324	7	<0.01	<1	0.15	40	9	14	163	<5	<3	50
45515	<0.1	0.60	8	18	<3	0.28	0.5	8	44	20	2.96	0.02	<0.01	84	6	<0.01	<1	0.05	52	<2	8	41	<5	<3	58
45516	<0.1	1.56	<3	28	<3	0.58	0.8	9	39	30	3.53	0.08	0.13	155	8	<0.01	6	0.09	31	<2	12	125	<5	<3	39
45517	0.6	0.05	15	125	<3	>10.00	<0.1	<1	14	6	1.44	1.03	2.85	2878	5	<0.01	<1	0.02	35	<2	4	2342	<5	<3	97
45518	0.5	0.41	15	145	<3	>10.00	<0.1	1	13	17	1.21	1.04	0.54	598	2	<0.01	<1	0.03	21	<2	3	693	<5	<3	37
45519	>50.0	0.17	>2000	132	<3	1.36	<0.1	<1	204	30	1.03	0.12	0.03	137	3	<0.01	<1	0.02	1731	1070	<2	62	<5	<3	45
45520	0.8	0.50	136	179	<3	>10.00	3.0	27	25	53	5.29	1.03	0.67	1854	9	<0.01	49	0.07	57	10	7	179	<5	<3	234
45521	1.9	0.57	82	98	<3	5.91	0.5	4	40	20	2.90	0.69	0.58	603	16	<0.01	4	0.04	63	<2	5	123	<5	<3	93
45522	3.1	0.64	68	17	<3	5.47	24.1	16	72	30	4.43	0.69	2.24	1149	17	0.01	31	0.13	1283	<2	7	182	<5	<3	2112
45523	0.7	3.28	11	706	<3	1.37	1.5	26	225	65	5.80	0.23	3.87	1104	13	<0.01	104	0.19	187	167	62	24	<5	<3	174
Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

ss Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

1630 Pamora Street, Vancouver, B.C. V5L 1L6
Phn(604)251-5626 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sb, Sr and W.

ANALYST: _____

REPORT #: 900320 PA | PRIME EQUITY INC. | PROJECT: TANTALUS (TR) | DATE IN: AUG 28 1990 | DATE OUT: SEPT 11 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14723	6.6	1.16	58	7	<3	0.36	27.7	9	53	47	>10.00	0.18	0.67	541	30	<0.01	24	0.14	2182	20	18	16	<5	<3	1777
14724	>50.0	0.42	>2000	14	<3	0.26	21.5	12	80	419	>10.00	0.19	0.05	>20000	10	<0.01	<1	0.22	>20000	509	16	113	<5	<3	1685
14726	>50.0	0.22	>2000	43	<3	<0.01	22.6	3	44	282	4.04	0.07	<0.01	5108	4	<0.01	<1	0.15	>20000	159	10	57	<5	<3	2808
14727	43.0	0.73	>2000	83	<3	0.16	22.6	10	88	244	>10.00	0.17	0.07	>20000	5	<0.01	<1	0.05	>20000	610	7	41	<5	<3	1725
14728	>50.0	0.77	772	112	<5	0.18	15.4	19	62	731	4.55	0.12	0.02	>20000	8	<0.01	<1	0.09	7807	146	13	17	5	<3	2117
14729	2.7	0.82	>2000	38	<3	0.15	5.5	18	88	148	5.86	0.13	0.03	1666	9	<0.01	<1	0.14	>20000	222	10	61	<5	<3	1414
14730	45.0	0.40	331	191	<3	5.06	10.4	6	27	278	9.30	0.37	0.10	>20000	<1	<0.01	<1	0.25	2570	77	7	25	<5	<3	145
14731	7.9	0.56	336	269	<3	0.43	46.1	16	15	57	5.89	0.15	0.02	>20000	<1	<0.01	<1	0.09	2721	60	12	431	17	<3	2690
14732	1.1	4.31	103	71	<3	4.01	<0.1	35	142	35	9.41	0.36	2.32	4511	3	<0.01	<1	0.19	80	<2	23	109	<5	<3	3947
14733	2.4	0.86	278	269	<3	0.30	1.3	31	515	123	6.87	0.16	0.10	6873	473	<0.01	2008	0.29	262	19	9	36	<5	<3	645
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9677

INVOICE #: 15046
P.O.: R-2278

SAMPLE(S) OF: Rock

W. Raven
Project: Treaty Creek Tantalus

REMARKS: OreQuest Consultants Ltd.

	Au ppb	Au ozt	Pb %	Zn %	Cu %
46001	270		.01	<.01	<.01
46002	30		<.01	.02	<.01
46003	>1000	.066/.042	<.01	.02	<.01
46004	30		<.01	.01	<.01
46005	10		.01	.01	<.01
46006	10		<.01	.01	<.01
46007	5		<.01	.01	<.01
46008	10		<.01	.01	<.01
46009	<5		<.01	.01	<.01
46010	<5		<.01	.02	<.01
46011	<5		<.01	.01	<.01
33253	<5		<.01	.01	<.01
33254	20		<.01	.01	<.01
34527	15		.23	.15	<.01
34528	30		.06	.11	<.01
34529	50		1.68	1.42	.02
34530	55		.13	6.72	.04
34531	80		9.16	8.29	.34
34532	10		.16	.32	<.05
34533	5		.16	.24	.03

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 30/90

SIGNED Bernie Ouan

CTA

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9677 - 1
T.S.L. File No. : E:M7775
T.S.L. Invoice No. : 15190

ATTN: J. FOSTER PROJECT: TREATY CREEK TANTALUS OREQUEST CONSULTANTS R-227B ALL RESULTS PPM

ELEMENT		46001	46002	46003	46004	46005	46006	46007	46008	46009	46010
Aluminum	[Al]	860	2600	4200	1300	1500	1500	2900	5500	3600	3600
Iron	[Fe]	8100	34000	22000	23000	19000	10000	32000	30000	19000	13000
Calcium	[Ca]	280	8000	1400	8900	17000	2800	2300	36000	6600	420
Magnesium	[Mg]	260	920	2300	300	580	210	360	2600	1200	190
Sodium	[Na]	160	30	130	110	240	440	160	200	170	180
Potassium	[K]	1000	2100	2000	1000	700	540	3100	920	1300	1300
Titanium	[Ti]	56	19	440	32	8	9	120	60	14	5
Manganese	[Mn]	17	230	75	160	1000	250	260	810	230	550
Phosphorus	[P]	36	20	110	18	< 2	30	1500	1600	950	580
Barium	[Ba]	32	21	39	39	26	32	41	35	110	170
Chromium	[Cr]	50	27	55	86	40	74	32	44	26	7
Zirconium	[Zr]	2	4	7	3	4	2	6	5	4	< 1
Copper	[Cu]	40	12	17	11	5	5	20	29	9	6
Nickel	[Ni]	1	1	3	3	1	1	9	18	4	< 1
Lead	[Pb]	100	34	220	35	89	28	10	5	10	40
Zinc	[Zn]	15	160	30	65	27	39	39	52	25	93
Vanadium	[V]	2	2	15	4	3	2	17	85	21	8
Strontium	[Sr]	6	59	9	87	33	10	38	120	32	9
Cobalt	[Co]	< 1	< 1	1	< 1	< 1	< 1	7	12	3	2
Molybdenum	[Mo]	4	10	6	6	< 2	< 2	6	< 2	< 2	< 2
† Silver	[Ag]	57	9	200	13	4	1	< 1	< 1	< 1	1
Cadmium	[Cd]	< 1	1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	50	10	130	10	< 5	< 5	15	< 5	< 5	< 5
Yttrium	[Y]	< 1	3	2	2	5	2	6	9	2	2
Scandium	[Sc]	< 1	< 1	1	< 1	2	< 1	3	5	2	1
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	20	< 10	< 10
Arsenic	[As]	380	65	790	120	30	45	45	25	15	20
Bismuth	[Bi]	< 5	< 5	< 5	< 5	5	< 5	< 5	25	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	5	< 5	< 5	< 5	< 5	< 5	15	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-04-1990

SIGNED : Bernie Denn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN
Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9677 - 2
T.S.L. File No. : E:M7775
T.S.L. Invoice No. : 15190

ATTN: J. FOSTER PROJECT: TREATY CREEK TANTALUS OREQUEST CONSULTANTS R-2278 ALL RESULTS PPM

ELEMENT		46011	33253	33254	34527	34528	34529	34530	34531	*34532	*34533
Aluminum	[Al]	3300	27000	3200	2500	2900	2200	1100	1400	1300	2400
Iron	[Fe]	25000	38000	45000	36000	41000	35000	42000	42000	37000	65000
Calcium	[Ca]	61000	77000	27000	4100	5300	2300	2600	3200	1600	780
Magnesium	[Mg]	7400	5600	6300	1200	930	910	1100	1200	210	140
Sodium	[Na]	110	110	160	40	30	20	20	20	20	20
Potassium	[K]	620	340	750	1900	2500	1400	910	1300	1300	1300
Titanium	[Ti]	6	1200	40	11	6	5	4	4	4	2
Manganese	[Mn]	760	860	710	4000	3600	3700	2200	2400	2200	2500
Phosphorus	[P]	840	1000	310	1300	1400	750	300	420	380	630
Barium	[Ba]	110	44	10	100	54	46	29	39	280	270
Chromium	[Cr]	38	49	24	20	20	< 1	< 1	< 1	64	21
Zirconium	[Zr]	6	13	8	6	8	3	4	4	< 1	4
Copper	[Cu]	33	17	16	68	69	130	220	2800	120	170
Nickel	[Ni]	27	28	3	3	5	2	7	5	3	9
Lead	[Pb]	7	3	16	1400	470	15000	1400	22000	900	1200
Zinc	[Zn]	44	46	42	1000	800	17000	58000	81000	4500	1500
Vanadium	[V]	81	78	27	21	25	9	< 1	< 1	< 1	8
Strontium	[Sr]	270	110	32	23	26	12	7	19	100	83
Cobalt	[Co]	10	10	6	8	10	3	5	4	6	42
Molybdenum	[Mo]	< 2	2	8	< 2	2	< 2	< 2	< 2	2	< 2
*Silver	[Ag]	< 1	< 1	< 1	17	10	75	65	290	39	44
Cadmium	[Cd]	< 1	< 1	< 1	10	6	88	340	330	28	17
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	15	< 5	< 5	95	65	240	270	2400	120	70
Yttrium	[Y]	9	11	4	8	6	5	5	6	7	9
Scandium	[Sc]	7	7	3	10	11	7	9	5	5	8
Tungsten	[W]	< 10	< 10	< 10	410	70	230	830	1100	80	40
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	50	20	30	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Arsenic	[As]	20	< 5	210	340	500	470	520	480	250	60
Bismuth	[Bi]	35	30	25	10	5	5	20	20	15	20
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	10	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	20	10	< 10	< 10	10	10	10	< 10	< 10

DATE : SEP-04-1990

SIGNED : Bernie Quan

T S L LABORATORIES
2-302-46TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9626 - 1
T.S.L. File No. : E:M7731
T.S.L. Invoice No. : 15149

PROJECT: TREATY CREEK GREQUEST CONSULTANTS R-2242

ALL RESULTS PPM

ELEMENT		34501	34502	34503	34504	34505	34506	34507	34508	34509	34510
Aluminum	[Al]	3900	5000	1700	550	1000	1000	350	940	600	410
Iron	[Fe]	33000	31000	19000	58000	64000	40000	33000	61000	42000	61000
Calcium	[Ca]	1800	6800	4300	2300	1700	12000	8100	4900	1600	3700
Magnesium	[Mg]	3400	3200	1000	1100	440	2100	2000	1300	190	1600
Sodium	[Na]	20	20	30	< 10	< 10	10	< 10	10	20	20
Potassium	[K]	330	1500	1400	400	850	1100	200	1200	740	380
Titanium	[Ti]	64	69	8	7	5	3	7	4	3	5
Manganese	[Mn]	2400	430	1000	1400	1200	5100	2600	3200	5200	1500
Phosphorus	[P]	250	1000	560	50	110	350	< 2	510	190	< 2
Barium	[Ba]	210	37	48	33	41	13	24	21	9	46
Chromium	[Cr]	25	24	20	7	15	36	8	3	30	43
Zirconium	[Zr]	< 1	2	3	< 1	< 1	3	< 1	< 1	1	< 1
Copper	[Cu]	19000	15000	1500	5000	6600	360	4000	5900	15000	1300
Nickel	[Ni]	13	13	18	2	5	3	< 1	7	6	3
Lead	[Pb]	59	39	42	20000	23000	2100	21000	10000	1500	2100
Zinc	[Zn]	260	76	70	14000	8000	350	140000	2500	940	7500
Vanadium	[V]	18	19	14	< 1	< 1	7	< 1	< 1	2	< 1
Strontium	[Sr]	13	20	15	71	190	36	21	12	21	53
Cobalt	[Co]	8	12	16	< 1	3	4	< 1	8	5	1
Molybdenum	[Mo]	< 2	< 2	< 2	18	88	2	< 2	< 2	< 2	< 2
Silver	[Ag]	42	37	4	270	270	41	250	77	81	92
Cadmium	[Cd]	22	12	2	79	52	24	1100	39	13	55
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	70	65	2800	3000	340	3000	1100	360	450
Yttrium	[Y]	7	3	11	9	12	4	5	6	2	7
Scandium	[Sc]	3	2	5	3	3	4	< 1	3	1	2
Tungsten	[W]	20	10	70	190	110	< 10	1900	80	40	120
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	50	< 10	< 10	< 10	30	< 10	< 10	< 10	< 10
Arsenic	[As]	15	540	540	1100	1500	9800	930	1700	950	1600
Bismuth	[Bi]	5	< 5	< 5	20	20	< 5	15	< 5	< 5	15
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	10	20	< 10	< 10	10	< 10	10

DATE : AUG-31-1990

SIGNED : Bernie Ann

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9626 - 2
T.S.L. File No. : E:M7731
T.S.L. Invoice No. : 15149

ATTN: J. FOSTER PROJECT: TREATY CREEK GREQUEST CONSULTANTS R-2242 ALL RESULTS PPM

ELEMENT		34511	34512	34513	34514	34515	34516	34517	34518	34519	34520
Aluminum	[Al]	250	1000	280	1500	1600	1100	1400	570	590	360
Iron	[Fe]	59000	37000	9300	14000	14000	8000	69000	28000	27000	22000
Calcium	[Ca]	3300	2600	260	1100	200	220	420	60	200	140
Magnesium	[Mg]	1500	240	60	130	150	70	160	40	30	20
Sodium	[Na]	20	20	10	50	30	40	10	20	< 10	< 10
Potassium	[K]	350	770	270	1200	1600	920	920	390	540	400
Titanium	[Ti]	2	6	2	4	9	3	2	3	< 1	< 1
Manganese	[Mn]	1600	3300	2100	900	360	240	5300	260	62	59
Phosphorus	[P]	8	150	48	350	240	170	140	74	34	20
Barium	[Ba]	43	42	46	67	110	140	15	34	19	13
Chromium	[Cr]	47	39	53	62	77	57	53	130	79	49
Zirconium	[Zr]	< 1	< 1	< 1	2	2	< 1	2	< 1	< 1	< 1
Copper	[Cu]	690	9500	4300	7200	710	340	85	48	98	160
Nickel	[Ni]	3	5	2	3	3	2	2	3	4	3
Lead	[Pb]	530	22000	25000	24000	12000	14000	1400	300	62	< 1
Zinc	[Zn]	370	1400	580	170	310	3000	1100	60	56	26
Vanadium	[V]	< 1	< 1	< 1	6	8	9	7	7	5	3
Strontium	[Sr]	45	100	7	12	8	7	8	3	7	4
Cobalt	[Co]	< 1	2	< 1	4	1	1	< 1	< 1	2	< 1
Molybdenum	[Mo]	< 2	< 2	2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	22	270	270	150	180	200	45	19	21	25
Cadmium	[Cd]	5	27	25	6	12	26	41	2	3	3
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	17000	2100	31000	3800	2900	3200	1200	350	70000	73000
Yttrium	[Y]	6	4	< 1	2	< 1	< 1	3	< 1	< 1	< 1
Scandium	[Sc]	2	2	< 1	2	3	1	4	< 1	< 1	< 1
Tungsten	[W]	< 10	40	< 10	< 10	< 10	50	40	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	< 10	< 10	20	< 10	< 10	< 10
Arsenic	[As]	1700	920	830	140	2600	1300	11000	1000	150	80
Bismuth	[Bi]	15	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	20	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10

DATE : AUG-31-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9626 - 3
T.S.L. File No. : E:M7731
T.S.L. Invoice No. : 15149

PROJECT: TREATY CREEK GREQUEST CONSULTANTS R-2242

ALL RESULTS PPM

ELEMENT		34521	34522	34523	34524
Aluminum	[Al]	2600	1800	780	2700
Iron	[Fe]	62000	25000	23000	48000
Calcium	[Ca]	2000	960	780	3700
Magnesium	[Mg]	980	380	310	1400
Sodium	[Na]	< 10	< 10	< 10	10
Potassium	[K]	1500	970	370	1400
Titanium	[Ti]	4	3	2	4
Manganese	[Mn]	1900	5000	4000	3300
Phosphorus	[P]	660	290	90	520
Barium	[Ba]	14	56	55	47
Chromium	[Cr]	31	33	< 1	24
Zirconium	[Zr]	5	2	< 1	1
Copper	[Cu]	92	67	820	200
Nickel	[Ni]	13	3	2	4
Lead	[Pb]	180	7100	25000	11000
Zinc	[Zn]	510	5000	42000	3600
Vanadium	[V]	50	7	< 1	9
Strontium	[Sr]	14	10	7	11
Cobalt	[Co]	11	3	1	6
Molybdenum	[Mo]	< 2	6	< 2	< 2
Silver	[Ag]	4	35	240	59
Cadmium	[Cd]	16	39	260	55
Beryllium	[Be]	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10
Antimony	[Sb]	1900	1500	1100	460
Yttrium	[Y]	7	3	1	9
Scandium	[Sc]	11	4	2	7
Tungsten	[W]	30	100	620	70
Niobium	[Nb]	< 10	< 10	< 10	< 10
Thorium	[Th]	40	< 10	< 10	10
Arsenic	[As]	2400	2000	470	570
Bismuth	[Bi]	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5	< 5
Holmium	[Ho]	10	< 10	< 10	< 10

DATE : AUG-31-1990

SIGNED : Bernie Dunn

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9626

INVOICE #: 14833
P.O.: R-2242

SAMPLE(S) OF: Rock

A. Walus
Project: Treaty Creek

REMARKS: OreQuest Consultants

	Au ozt	Ag ozt	Pb %	Zn %	Cu %
34501	.013/.018	2.98	.02	.04	1.93
34502	.051	2.18	.01	.01	1.38
34503	<.001/.001	.25	.01	.01	.15
34504	.168/.172	5.30	28.6	1.64	.55
34505	.392/.418/.392	4.90	11.0	.93	.79
34506	.090/.087	1.76	.32	.04	.04
34507	.091/.100	4.17	37.4	15.5	.39
34508	.061	4.57	.97	.33	.63
34509	.014/.012	5.00	.19	.10	1.65
34510	.045/.043	5.15	3.21	1.07	.14
34511	.039	.81	.03	.04	.08
34512	.007/.005	5.80	11.1	.21	1.05
34513	.141/.132/.152	83.1	10.9	.08	.50
34514	.080/.075	6.91	3.99	.02	.74
34515	.016	8.40	1.27	.04	.07
34516	.004/.004	11.7	1.55	.32	.07
34517	.014	2.33	.18	.14	.02
34518	.007/.010/.009	1.14	.04	.01	.01
34519	.005	1.26	<.01	.01	.02
34520	.005	1.35	<.01	<.01	.02

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 23/90

SIGNED Bernie Dunn

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9626

INVOICE #: 14833
P.O.: R-2242

SAMPLE(S) OF Rock

A. Walus
Project: Treaty Creek

REMARKS: OreQuest Consultants

	Au ozt	Ag ozt	Pb %	Zn %	Cu %
34521	<.001/<.001	.33	.04	.07	.01
34522	<.001/<.001	1.92	.73	.56	.01
34523	.002/.004	12.9	2.86	3.73	.11
34524	.004/.002	2.76	.89	.34	.03

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INVOICE TO: Prime - Vancouver

Aug 23/90

SIGNED Bernie Dunn

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Explorations Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

✓✓

REPORT No. S9627

INVOICE #: 14834
P.O.: R-2243

SAMPLE(S) OF: Rock

A. Walus
Project: Treaty Creek

REMARKS: OreQuest Consultants

	Au ozt	Ag ozt	Pb %	Zn %	Cu %
34701	<.001	.12	.03	.03	<.01
34702	.007	.26	.02	.02	<.01
34703	.048	2.70	.55	.03	.04
34704	.031	6.09	1.07	.05	.05
34705	.045	8.25	.25	.02	.07
34706	.208/.212/.200	100.	20.7	1.06	.78
34707	.003/.004	27.4	6.50	.29	.20
34708	.002	1.36	.49	.39	.05
34709	<.001	.21	.03	.01	.01
33230	<.001	.32	.05	.03	.02
33242	<.001	.09	.02	.02	.01
33243	.003	.13	.03	.01	.01
33244	<.001	.08	.01	.01	.01
33245	<.001	.18	<.01	<.01	.01
33246	<.001	.09	.02	.03	.01
34525	.006	2.55	.56	.17	.03
34526	<.001	20.4	3.31	.05	.10
34710	.003	.44	.05	.01	.03
34711	.004	8.99	2.52	.03	.07

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: Prime - Vancouver

Aug 23/90

SIGNED Bernice Dunn

CTA

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9627 - 1
T.S.L. File No. : E:M7732
T.S.L. Invoice No. : 15165

PROJECT: TREATY CREEK @REQUEST CONSULTANTS R-2243

ALL RESULTS PPM

ELEMENT		34701	34702	34703	34704	34705	34706	34707	34708	34709	33230
Aluminum	[Al]	4500	3000	3500	2500	2500	450	2200	3500	1500	14000
Iron	[Fe]	24000	28000	31000	31000	21000	13000	59000	35000	59000	27000
Calcium	[Ca]	2800	1400	980	800	700	100	520	620	300	1800
Magnesium	[Mg]	2500	350	410	320	110	20	140	100	80	6500
Sodium	[Na]	90	10	50	40	20	10	10	20	20	60
Potassium	[K]	660	1900	2200	3300	1500	350	1600	1500	1600	1600
Titanium	[Ti]	500	24	5	7	5	1	4	3	3	7
Manganese	[Mn]	550	140	260	110	4100	230	5100	4100	1000	800
Phosphorus	[P]	700	760	810	500	850	70	540	490	230	720
Barium	[Ba]	29	28	99	88	140	22	35	75	7	42
Chromium	[Cr]	13	68	36	43	33	36	46	41	38	34
Zirconium	[Zr]	5	< 1	1	2	2	< 1	2	2	1	4
Copper	[Cu]	11	74	210	320	430	9100	1600	320	50	47
Nickel	[Ni]	< 1	5	3	1	1	3	1	4	8	2
Lead	[Pb]	130	120	2400	11000	1800	23000	26000	2400	380	430
Zinc	[Zn]	170	160	190	330	170	11000	1700	3200	150	180
Vanadium	[V]	16	14	23	15	9	2	10	1	9	25
Strontium	[Sr]	10	12	31	26	15	5	14	32	14	7
Cobalt	[Co]	4	8	6	1	2	< 1	< 1	5	5	5
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	6	10	< 2	< 2
Silver	[Ag]	< 1	3	48	99	170	270	270	35	3	4
Cadmium	[Cd]	2	36	9	11	5	90	34	50	4	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	45	360	950	2100	540	53000	2000	240	110	110
Yttrium	[Y]	3	3	3	1	3	< 1	3	9	1	5
Scandium	[Sc]	< 1	2	4	3	4	< 1	4	5	5	1
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	120	50	70	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	80	30
Arsenic	[As]	45	6500	3500	2700	1700	600	8000	820	680	55
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10

DATE : AUG-31-1990

SIGNED :

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9627 - 2
T.S.L. File No. : E:M7752
T.S.L. Invoice No. : 15165

ATTN: J. FOSTER PROJECT: TREATY CREEK OREQUEST CONSULTANTS R-2243 ALL RESULTS PPM

ELEMENT		33242	33243	33244	33245	33246	34525	34526	34710	34711
Aluminum	[Al]	14000	2600	2000	840	4500	660	2600	1200	1600
Iron	[Fe]	26000	8800	8300	41000	15000	31000	20000	9200	9200
Calcium	[Ca]	5700	180	320	40	460	100	900	280	360
Magnesium	[Mg]	5500	550	490	50	870	70	140	60	80
Sodium	[Na]	60	330	180	50	20	< 10	30	30	20
Potassium	[K]	620	1200	920	820	1600	560	3000	1500	1900
Titanium	[Ti]	65	17	13	4	7	4	5	5	3
Manganese	[Mn]	680	86	72	48	330	160	1700	110	600
Phosphorus	[P]	320	44	36	< 2	58	30	600	430	370
Barium	[Ba]	140	71	63	14	120	13	110	350	350
Chromium	[Cr]	60	95	92	46	14	87	29	110	82
Zirconium	[Zr]	2	3	2	2	< 1	< 1	2	3	1
Copper	[Cu]	33	8	6	5	3	70	730	45	340
Nickel	[Ni]	62	3	5	2	< 1	3	1	2	2
Lead	[Pb]	110	170	85	62	120	2400	26000	850	21000
Zinc	[Zn]	150	44	40	17	210	1300	370	69	190
Vanadium	[V]	26	8	3	1	< 1	2	10	3	5
Strontium	[Sr]	31	3	3	2	5	7	18	15	13
Cobalt	[Co]	8	< 1	< 1	< 1	< 1	< 1	< 1	1	2
Molybdenum	[Mo]	< 2	< 2	2	64	4	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	1	< 1	2	< 1	46	280	17	170
Cadmium	[Cd]	2	< 1	1	1	2	20	22	2	2
Beryllium	[Be]	< 1	< 1	< 1	< 1	3	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	35	60	30	30	10	1200	1600	130	460
Yttrium	[Y]	4	1	< 1	< 1	3	< 1	2	< 1	1
Scandium	[Sc]	3	< 1	< 1	< 1	1	< 1	4	5	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	30	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Arsenic	[As]	60	45	80	140	130	4200	390	410	510
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	30	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-31-1990

SIGNED : Bernie Au

VGC VANGEOCHEM LAB LIMITED

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1630 PANDORA STREET
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V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: JAN 16 1991
REPORT#: 910004 GA
JOB#: 910004

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: JAN 08 1991
REPORT COMPLETED: JAN 16 1991
ANALYSED FOR: Au (FA/AAS)

INVOICE#: 910004 NA
TOTAL SAMPLES: 260
SAMPLE TYPE: 260 SOIL PULPS
REJECTS: DISCARDED

SAMPLES FROM: PREVIOUS JOB #900630 & 900713
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: COPY SENT TO MR. W. RAVEN - OREQUEST CONSULTANTS.

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REPORT NUMBER: 910004 GA JOB NUMBER: 910004 PRIME EQUITIES INC.

SAMPLE #	Au ppb
L12W 1+50N	10
L12W 2+00N	10
L12W 2+50N	nd
L12W 3+00N	nd
L12W 3+50N	nd
L12W 4+00N	nd
L12W 4+50N	10
L12W 5+00N	nd
L13W 0+50N	40
L13W 1+00N	30
L13W 1+50N	110
L13W 2+00N	nd
L13W 2+50N	nd
L13W 3+00N	10
L13W 3+50N	10
L13W 4+00N	nd
L13W 4+50N	nd
L13W 0+00S	10
L13W 0+50S	60
L13W 1+00S	70
L14W 0+00	60
L14W 0+50N	50
L14W 1+00N	30
L14W 1+50N	10
L14W 2+00N	60
L14W 2+50N	50
L14W 3+00N	nd
L14W 3+50N	40
L14W 4+00N	20
L14W 4+50N	nd
L14W 5+00N	20
L15W 0+50S	20
L15W 1+00S	30
L15W 1+50S	nd
L15W 2+00S	10
L16W 0+50S	10
L16W 1+00S	10
L17W 0+00	10
L17W 0+50N	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
L17W 1+00N	30
L17W 1+50N	30
L17W 2+00N	nd
L17W 2+50N	10
L17W 3+00N	nd
L17W 3+50N	20
L17W 4+00N	nd
L17W 0+50S	10
L17W 1+00S	10
L17W 1+50S	10
L17W 2+00S	20
L18W 0+50N	nd
L18W 1+00N	50
L18W 1+50N	20
L18W 2+00N	nd
L18W 2+50N	10
L18W 3+00N	80
L19W 0+00N	60
L19W 0+50N	nd
L19W 1+00N	nd
L19W 1+50N	nd
L19W 2+00N	nd
L19W 2+50N	nd
L19W 3+00N	nd
L19W 3+50N	10
L19W 4+00N	20
L19W 0+50S	nd
L19W 1+00S	20
L19W 1+50S	nd
L20W 0+00	nd
L20W 0+50N	nd
L20W 1+00N	nd
L20W 1+50N	nd
L20W 2+00N	nd
L20W 2+50N	nd
L20W 3+00N	nd
L20W 3+50N	50
L20W 0+50S	nd
L20W 1+00S	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
L21W 0+00	nd
L21W 0+50N	nd
L21W 1+00N	nd
L21W 1+50N	40
L21W 2+00N	nd
L21W 2+50N	70
L21W 3+00N	20
L21W 3+50N	nd
L22W 0+00	10
L22W 0+50N	nd
L22W 1+00N	nd
L22W 1+50N	nd
L22W 2+00N	40
L22W 2+50N	20
L22W 3+00N	nd
L22W 0+50S	nd
L22W 1+50S	10
L22W 2+00S	200
L22W 2+50S	40
L22W 3+00S	nd
L22W 3+50S	30
L22W 4+00S	nd
L22W 4+50S	nd
L22W 5+00S	nd
L23W 0+00	nd
L23W 0+50N	nd
L23W 1+00N	nd
L23W 1+50N	30
L23W 2+00N	30
L23W 2+50N	20
L23W 2+00S	nd
L23W 2+50S	nd
L23W 3+00S	nd
L23W 3+50S	nd
L23W 4+00S	nd
L23W 4+50S	nd
L24W 0+00	nd
L24W 0+50N	nd
L24W 1+00N	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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REPORT NUMBER: 910004 GA JOB NUMBER: 910004 PRIME EQUITIES INC.

SAMPLE #	Au ppb
L24W 1+50N	20
L24W 2+00N	10
L24W 2+50N	10
L24W 0+50S	nd
L24W 1+00S	nd
L24W 1+50S	nd
L24W 2+00S	nd
L24W 2+50S	nd
L24W 3+00S	nd
L25W 0+00	nd
L25W 0+50N	nd
L25W 1+00N	nd
L25W 1+50N	nd
L25W 2+00N	nd
L25W 0+50S	nd
TR L12W 1+25N	nd
TR L12W 1+75N	nd
TR L12W 2+25N	nd
TR L12W 2+75N	nd
TR L12W 3+25N	nd
TR L12W 3+75N	10
TR L12W 4+25N	20
TR L12W 4+75N	nd
TR L13W 0+25N	50
TR L13W 0+75N	40
TR L13W 1+25N	10
TR L13W 1+75N	170
TR L13W 2+25N	10
TR L13W 2+75N	20
TR L13W 3+25N	nd
TR L13W 3+75N	10
TR L13W 4+25N	nd
TR L13W 0+25S	50
TR L13W 0+75S	70
TR L13W 1+25S	10
TR L14W 0+25N	20
TR L14W 0+75N	20
TR L14W 1+25N	20
TR L14W 1+75N	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
TR L14W 2+25N	nd
TR L14W 2+75N	10
TR L14W 3+25N	10
TR L14W 3+75N	nd
TR L14W 4+25N	nd
TR L14W 4+75N	nd
TR L15W 0+25S	10
TR L15W 0+75S	nd
TR L15W 1+25S	nd
TR L15W 1+75S	nd
TR L16W 0+25S	10
TR L16W 0+75S	20
TR L17W 0+25N	20
TR L17W 0+75N	30
TR L17W 1+25N	10
TR L17W 1+75N	nd
TR L17W 2+25N	nd
TR L17W 2+75N	10
TR L17W 3+25N	30
TR L17W 3+75N	nd
TR L17W 4+25N	30
TR L17W 0+25S	20
TR L17W 1+25S	20
TR L17W 1+75S	110
TR L18W 0+25N	nd
TR L18W 0+75N	nd
TR L18W 1+25N	50
TR L18W 1+75N	nd
TR L18W 2+25N	nd
TR L18W 2+75N	nd
TR L18W 3+75N	nd
TR L19W 0+25N	nd
TR L19W 0+75N	nd
TR L19W 1+25N	nd
TR L19W 1+75N	nd
TR L19W 2+25N	40
TR L19W 2+75N	50
TR L19W 3+25N	10
TR L19W 3+75N	20

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
TR L19W 0+25S	40
TR L19W 0+75S	nd
TR L19W 1+25S	nd
TR L19W 1+75S	20
TR L20W 0+25N	20
TR L20W 0+75N	10
TR L20W 1+25N	nd
TR L20W 1+75N	20
TR L20W 2+25N	20
TR L20W 2+75N	10
TR L20W 3+25N	nd
TR L20W 0+25S	nd
TR L20W 0+75S	nd
TR L21W 0+25N	20
TR L21W 0+75N	10
TR L21W 1+25N	40
TR L21W 1+75N	10
TR L21W 2+25N	nd
TR L21W 2+75N	nd
TR L21W 3+25N	10
TR L21W 3+75N	10
TR L22W 0+25N	30
TR L22W 0+75N	30
TR L22W 1+25N	10
TR L22W 1+75N	20
TR L22W 2+25N	30
TR L22W 2+75N	10
TR L22W 0+25S	20
TR L22W 0+75S	20
TR L22W 1+25S	10
TR L22W 1+75S	10
TR L22W 2+25S	20
TR L22W 2+75S	10
TR L22W 3+25S	nd
TR L22W 3+75S	nd
TR L22W 4+25S	20
TR L22W 4+75S	20
TR L22W 5+25S	nd
TR L23W 0+25N	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
TR L23W 0+75N	nd
TR L23W 1+25N	nd
TR L23W 1+75N	nd
TR L23W 2+25N	20
TR L23W 2+75N	40
TR L23W 2+25S	10
TR L23W 2+75S	10
TR L23W 3+25S	10
TR L23W 3+75S	20
TR L23W 4+25S	20
TR L24W 0+25N	30
TR L24W 0+75N	30
TR L24W 1+25N	40
TR L24W 1+75N	30
TR L24W 2+25N	10
TR L24W 0+25S	10
TR L24W 0+75S	10
TR L24W 1+25S	20
TR L24W 1+75S	10
TR L24W 2+25S	10
TR L24W 2+75S	20
TR L25W 0+25N	nd
TR L25W 0+75N	nd
TR L25W 1+25N	10
TR L25W 1+75N	nd
TR L25W 0+25S	20

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICES
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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **PRIME EQUITIES INC.**
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: Dec 19 1990
REPORT#: 900713 GB
JOB#: 900713

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: Oct 29 1990
REPORT COMPLETED: Dec 19 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900713 NB
TOTAL SAMPLES: 20
SAMPLE TYPE: Soil
REJECTS: DISCARDED

SAMPLES FROM: DREQUEST CONSULTANTS - ESKAY CREEK
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: Mr. Jim Foster

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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1630 PANDORA STREET
VANCOUVER, B.C.
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BRANCH OFFICES
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REPORT NUMBER: 900713 GB JOB NUMBER: 900713 PRIME EQUITIES INC. PAGE 1 OF 1

SAMPLE #	Au ppb
TR L15W 0+25N	70
TR L15W 1+25N	90
TR L15W 1+75N	120
TR L15W 2+25N	90
TR L15W 2+75N	110
TR L15W 3+25N	90
TR L15W 3+75N	50
TR L15W 4+25N	255
TR L15W 4+75N	210
TR L16W 0+25N	90
TR L16W 0+75N	90
TR L16W 1+25N	70
TR L16W 1+75N	190
TR L16W 2+25N	70
TR L16W 2+75N	100
TR L16W 3+25N	100
TR L16W 3+75N	70
TR L16W 4+25N	60
TR L16W 4+75N	60
TR L16W 5+25N	60

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICES
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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 909 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: Dec 19 1990
REPORT#: 900630 GB
JOB#: 900630

PROJECT#: TREATY
SAMPLES ARRIVED: Oct 01 1990
REPORT COMPLETED: Dec 19 1990
ANALYSED FOR: Au ICP

INVOICE#: 900630 NB
TOTAL SAMPLES: 23
SAMPLE TYPE: Soil
REJECTS: DISCARDED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: Mr. Jim Foster

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

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BRANCH OFFICES
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REPORT NUMBER: 900630 GB JOB NUMBER: 900630 PRIME EQUITIES INC.

SAMPLE #	Au ppb
L15W 0+50N	80
L15W 1+00N	90
L15W 1+50N	150
L15W 2+00N	160
L15W 2+50N	80
L15W 3+00N	100
L15W 3+50N	110
L15W 4+00N	70
L15W 4+50N	120
L15W 5+00N	110
L15W 0+00	220
L16W 0+00	60
L16W 0+50N	100
L16W 1+00N	80
L16W 1+50N	200
L16W 2+00N	130
L16W 2+50N	60
L16W 3+00N	70
L16W 3+50N	90
L16W 4+00N	40
L16W 4+50N	110
L16W 5+00N	80
L16W 5+50N	100

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICES
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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: OCT 15 1990
REPORT#: 900630 GA
JOB#: 900630

PROJECT#: TREATY
SAMPLES ARRIVED: OCT 01 1990
REPORT COMPLETED: OCT 15 1990
ANALYSED FOR: Au ICP

INVOICE#: 900630 NA
TOTAL SAMPLES: 155
SAMPLE TYPE: 155 SOIL
REJECTS: DISCARDED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

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REPORT NUMBER: 900630 GA JOB NUMBER: 900630 PRIME EQUITIES INC.

SAMPLE #	Au ppb
L12W 1+50N	15
L12W 2+00N	10
L12W 2+50N	15
L12W 3+00N	20
L12W 3+50N	15
L12W 4+00N	5
L12W 4+50N	15
L12W 5+00N	nd
L13W 0+50N	20
L13W 1+00N	15
L13W 1+50N	15
L13W 2+00N	10
L13W 2+50N	10
L13W 3+00N	15
L13W 3+50N	20
L13W 4+00N	15
L13W 4+50N	nd
L13W 0+00S	nd
L13W 0+50S	15
L13W 1+00S	nd
L14W 0+00	nd
L14W 0+50N	20
L14W 1+00N	15
L14W 1+50N	nd
L14W 2+00N	15
L14W 2+50N	20
L14W 3+00N	nd
L14W 3+50N	nd
L14W 4+00N	nd
L14W 4+50N	nd
L14W 5+00N	10
L15W 0+50N	20
L15W 1+00N	20
L15W 1+50N	15
L15W 2+00N	15
L15W 2+50N	15
L15W 3+00N	15
L15W 3+50N	10
L15W 4+00N	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
L15W 4+50N	nd
L15W 5+00N	nd
L15W 0+00	nd
L15W 0+50S	10
L15W 1+00S	15
L15W 1+50S	15
L15W 2+00S	10
L16W 0+00	15
L16W 0+50N	5
L16W 1+00N	nd
L16W 1+50N	15
L16W 2+00N	15
L16W 2+50N	10
L16W 3+00N	15
L16W 3+50N	5
L16W 4+00N	10
L16W 4+50N	15
L16W 5+00N	nd
L16W 5+50N	nd
L16W 0+50S	10
L16W 1+00S	10
L17W 0+00	15
L17W 0+50N	5
L17W 1+00N	5
L17W 1+50N	10
L17W 2+00N	15
L17W 2+50N	nd
L17W 3+00N	5
L17W 3+50N	nd
L17W 4+00N	30
L17W 0+50S	10
L17W 1+00S	15
L17W 1+50S	20
L17W 2+00S	15
L18W 0+50N	nd
L18W 1+00N	5
L18W 1+50N	10
L18W 2+00N	20
L18W 2+50N	20
DETECTION LIMIT	5

nd = none detected -- = not analysed Is = insufficient sample

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BRANCH OFFICES
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SAMPLE #	Au ppb
L18W 3+00N	nd
L19W 0+00N	nd
L19W 0+50N	nd
L19W 1+00N	5
L19W 1+50N	nd
L19W 2+00N	5
L19W 2+50N	nd
L19W 3+00N	15
L19W 3+50N	nd
L19W 4+00N	nd
L19W 0+50S	nd
L19W 1+00S	20
L19W 1+50S	15
L20W 0+00	15
L20W 0+50N	nd
L20W 1+00N	nd
L20W 1+50N	nd
L20W 2+00N	15
L20W 2+50N	25
L20W 3+00N	25
L20W 3+50N	nd
L20W 0+50S	nd
L20W 1+00S	15
L21W 0+00	5
L21W 0+50N	nd
L21W 1+00N	5
L21W 1+50N	15
L21W 2+00N	20
L21W 2+50N	20
L21W 3+00N	nd
L21W 3+50N	15
L22W 0+00	15
L22W 0+50N	15
L22W 1+00N	10
L22W 1+50N	nd
L22W 2+00N	20
L22W 2+50N	25
L22W 3+00N	nd
L22W 0+50S	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900630 GA JOB NUMBER: 900630 PRIME EQUITIES INC.

SAMPLE #	Au ppb
L22W 1+50S	nd
L22W 2+00S	10
L22W 2+50S	5
L22W 3+00S	nd
L22W 3+50S	20
L22W 4+00S	15
L22W 4+50S	10
L22W 5+00S	nd
L23W 0+00	10
L23W 0+50N	10
L23W 1+00N	15
L23W 1+50N	5
L23W 2+00N	nd
L23W 2+50N	5
L23W 2+00S	nd
L23W 2+50S	10
L23W 3+00S	15
L23W 3+50S	5
L23W 4+00S	nd
L23W 4+50S	nd
L24W 0+00	nd
L24W 0+50N	nd
L24W 1+00N	nd
L24W 1+50N	nd
L24W 2+00N	10
L24W 2+50N	5
L24W 0+50S	20
L24W 1+00S	5
L24W 1+50S	20
L24W 2+00S	nd
L24W 2+50S	nd
L24W 3+00S	nd
L25W 0+00	nd
L25W 0+50N	nd
L25W 1+00N	nd
L25W 1+50N	nd
L25W 2+00N	nd
L25W 0+50S	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900630 PA | PRIME EQUITIES INC. | PROJECT: TREATY | DATE IN: OCT 01 1990 | DATE OUT: NOV 05 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L12W 1+50N	0.7	0.79	<3	307	<3	0.09	6.0	6	317	16	4.30	0.09	0.30	184	326	0.05	1578	0.12	60	7	<2	36	<5	<3	32
L12W 2+00N	0.8	0.95	<3	270	<3	0.08	4.2	6	24	20	4.87	0.11	0.33	188	13	0.06	27	0.12	74	4	<2	37	<5	<3	35
L12W 2+50N	0.8	1.38	<3	315	<3	0.06	3.5	10	19	24	5.01	0.10	0.25	521	9	0.07	14	0.12	32	<2	<2	69	<5	<3	49
L12W 3+00N	0.4	1.01	<3	373	<3	0.14	3.3	8	14	18	4.20	0.09	0.42	244	7	0.07	11	0.10	39	<2	<2	43	<5	<3	45
L12W 3+50N	0.2	0.77	<3	376	<3	0.07	2.1	5	12	13	3.76	0.07	0.26	169	8	0.05	9	0.11	31	<2	<2	40	<5	<3	35
L12W 4+00N	0.3	0.82	<3	320	<3	0.09	1.8	6	13	13	4.16	0.08	0.32	213	7	0.06	9	0.11	32	2	<2	43	<5	<3	39
L12W 4+50N	0.2	5.94	<3	242	<3	0.57	4.1	62	211	109	6.50	0.23	3.40	2903	17	0.12	109	0.11	<2	<2	<2	27	<5	<3	153
L12W 5+00N	0.2	3.65	<3	382	<3	0.27	4.7	60	78	110	6.66	0.17	1.38	2262	17	0.08	84	0.09	<2	<2	<2	11	<5	<3	284
L13W 0+50N	0.5	1.18	<3	375	<3	0.12	0.7	8	12	34	5.10	0.12	0.57	539	11	0.05	7	0.13	136	5	<2	57	<5	<3	80
L13W 1+00N	0.4	0.98	<3	269	<3	0.10	1.3	4	12	14	4.33	0.08	0.52	380	9	0.04	5	0.11	179	<2	<2	52	<5	<3	66
L13W 1+50N	0.6	1.08	<3	156	<3	0.16	0.3	8	14	23	6.93	0.15	0.59	460	13	0.06	5	0.17	150	<2	<2	48	<5	<3	73
L13W 2+00N	1.0	0.59	<3	233	<3	0.06	<0.1	3	9	7	4.07	0.07	0.24	185	9	0.04	<1	0.12	101	2	<2	45	<5	<3	35
L13W 2+50N	0.6	0.68	<3	85	<3	0.10	1.0	7	8	8	4.87	0.10	0.25	209	10	0.07	6	0.15	112	7	<2	77	<5	<3	39
L13W 3+00N	0.7	0.78	<3	119	<3	0.07	<0.1	5	8	13	5.83	0.12	0.27	208	9	0.08	<1	0.19	57	<2	<2	73	<5	<3	38
L13W 3+50N	0.7	0.72	<3	96	<3	0.04	<0.1	4	7	12	4.88	0.09	0.26	193	9	0.05	<1	0.14	74	3	<2	58	<5	<3	34
L13W 4+00N	0.4	0.93	<3	257	<3	0.05	<0.1	6	10	16	5.56	0.10	0.31	204	8	0.05	1	0.15	44	<2	<2	50	<5	<3	41
L13W 4+50N	<0.1	0.73	<3	322	<3	0.06	0.3	6	9	14	4.81	0.09	0.28	198	8	0.06	<1	0.13	36	2	<2	48	<5	<3	44
L13W 0+00S	0.2	1.24	<3	207	<3	0.20	0.2	8	11	21	5.62	0.12	0.62	537	12	0.05	1	0.14	130	<2	<2	62	<5	<3	61
L13W 1+00S	0.4	1.20	<3	35	<3	0.20	0.8	10	9	32	5.33	0.12	0.72	503	10	0.05	2	0.13	155	<2	<2	48	<5	<3	71
L13W 1+50S	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
L14W 0+00	0.7	0.96	<3	113	<3	0.07	0.3	8	8	18	5.18	0.11	0.57	393	9	0.04	<1	0.10	101	3	<2	56	<5	<3	37
L14W 0+50N	0.7	1.09	<3	258	<3	0.13	0.6	10	8	17	5.10	0.11	0.68	453	11	0.06	<1	0.11	136	2	<2	46	<5	<3	51
L14W 1+00N	0.7	1.47	<3	239	<3	0.21	<0.1	9	8	20	4.91	0.12	0.68	611	11	0.05	<1	0.16	119	<2	<2	70	<5	<3	63
L14W 1+50N	0.6	1.27	<3	76	<3	0.14	<0.1	13	11	25	7.38	0.16	0.57	657	13	0.07	<1	0.19	103	6	<2	90	<5	<3	55
L14W 2+00N	0.8	0.98	<3	179	<3	0.13	<0.1	7	7	20	5.53	0.10	0.53	482	10	0.05	<1	0.14	174	5	<2	54	<5	<3	66
L14W 2+50N	0.7	1.00	<3	74	<3	0.14	<0.1	7	10	26	5.21	0.10	0.58	382	11	0.04	<1	0.11	125	<2	<2	49	<5	<3	73
L14W 3+00N	0.8	0.76	<3	70	<3	0.04	<0.1	5	6	7	4.70	0.09	0.38	277	10	0.05	<1	0.11	87	6	<2	52	<5	<3	36
L14W 3+50N	0.8	0.85	<3	352	<3	0.06	<0.1	7	19	12	5.73	0.11	0.43	283	12	0.05	2	0.13	106	6	<2	45	<5	<3	44
L14W 4+00N	0.3	0.88	<3	428	<3	0.05	<0.1	6	7	10	4.45	0.08	0.41	262	8	0.05	<1	0.12	75	<2	<2	48	<5	<3	47
L14W 4+50N	0.1	0.97	<3	297	<3	0.16	<0.1	10	15	16	5.26	0.10	0.53	310	9	0.09	<1	0.12	42	3	<2	53	<5	<3	41
L14W 5+00N	0.2	1.28	<3	607	<3	0.06	<0.1	10	293	24	5.07	0.08	0.49	350	11	0.06	93	0.14	48	<2	<2	58	<5	<3	56
L14W 0+50N	0.3	0.80	<3	454	<3	<0.01	<0.1	4	8	7	2.77	0.04	0.46	333	8	0.03	<1	0.06	79	<2	<2	34	<5	<3	31
L14W 1+00N	0.6	1.27	<3	353	<3	0.09	<0.1	37	995	33	5.61	0.11	0.77	624	15	0.05	927	0.11	101	<2	<2	54	<5	<3	52
L14W 1+50N	0.7	1.46	<3	419	<3	0.10	<0.1	10	29	28	5.44	0.11	0.79	550	9	0.05	3	0.13	93	<2	<2	55	<5	<3	56
L14W 2+00N	0.8	1.38	<3	552	<3	0.11	<0.1	10	10	26	5.40	0.12	0.73	528	10	0.05	<1	0.13	103	<2	<2	47	<5	<3	54
L14W 2+50N	0.9	1.29	<3	473	<3	0.08	<0.1	8	10	19	4.89	0.10	0.62	567	9	0.05	<1	0.14	125	<2	<2	57	<5	<3	54
L14W 3+00N	1.3	0.75	<3	377	<3	<0.01	<0.1	2	2	6	2.79	0.04	0.40	289	9	0.02	<1	0.07	127	<2	<2	50	<5	<3	32
L14W 3+50N	0.8	1.05	<3	404	<3	0.02	<0.1	4	5	8	3.58	0.06	0.52	375	9	0.03	<1	0.09	128	<2	<2	51	<5	<3	45
L14W 4+00N	0.9	0.92	<3	361	<3	0.04	<0.1	5	5	13	4.52	0.07	0.49	356	9	0.03	<1	0.11	137	<2	<2	45	<5	<3	50
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phi(604)251-5656 Faxi(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900630 PA | PRIME EQUITIES INC. | PROJECT: TREATY | DATE IN: OCT 01 1990 | DATE OUT: NOV 05 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L15W 4+50N	2.0	1.42	<3	401	<3	0.13	0.8	8	11	45	5.41	0.12	0.63	586	10	0.07	8	0.13	211	<2	<2	64	<5	<3	71
L15W 5+00N	1.6	1.05	<3	304	<3	0.09	0.6	5	6	26	5.18	0.09	0.50	462	8	0.04	3	0.12	155	<2	<2	44	<5	<3	58
L15W 0+00	0.6	1.00	<3	423	<3	0.06	0.9	5	4	12	3.96	0.06	0.53	438	8	0.05	<1	0.10	95	<2	<2	43	<5	<3	43
L15W 0+50S	0.6	0.67	<3	332	<3	0.04	0.9	2	3	6	2.98	0.04	0.33	280	6	0.04	<1	0.10	113	<2	<2	59	<5	<3	29
L15W 1+00S	0.8	0.79	<3	260	<3	0.03	<0.1	2	2	6	2.55	0.04	0.36	289	7	0.04	<1	0.10	100	<2	<2	75	<5	<3	29
L15W 1+50S	0.4	0.61	<3	218	<3	0.05	0.7	3	3	6	4.21	0.07	0.23	287	5	0.08	<1	0.19	57	<2	<2	47	<5	<3	37
L15W 2+00S	0.6	0.71	<3	301	<3	0.04	0.1	1	14	8	3.42	0.06	0.31	244	8	0.05	<1	0.10	65	<2	<2	51	<5	<3	40
L16W 0+00	1.3	0.88	31	490	<3	0.06	1.2	2	35	17	3.30	0.06	0.40	291	5	0.04	8	0.14	86	5	<2	112	<5	<3	55
L16W 0+50N	0.8	0.70	63	182	<3	0.06	1.1	1	8	15	5.22	0.10	0.32	250	8	0.05	<1	0.17	90	9	<2	97	<5	<3	48
L16W 1+00N	0.8	0.86	70	368	<3	0.05	0.9	2	7	19	4.37	0.07	0.51	371	8	0.04	<1	0.17	83	13	<2	78	<5	<3	58
L16W 1+50N	0.7	0.82	56	325	<3	0.04	1.9	2	3	16	4.51	0.07	0.45	328	7	0.04	<1	0.18	77	8	<2	90	<5	<3	48
L16W 2+00N	0.8	0.74	47	242	<3	0.05	0.3	2	2	18	5.16	0.09	0.34	266	7	0.04	<1	0.20	95	7	<2	88	<5	<3	47
L16W 2+50N	0.4	1.02	<3	479	<3	0.06	1.0	6	5	20	4.55	0.07	0.56	407	9	0.04	<1	0.12	111	<2	<2	55	<5	<3	48
L16W 3+00N	0.2	1.02	<3	443	<3	0.06	0.7	5	5	14	4.34	0.08	0.55	355	8	0.04	<1	0.12	92	<2	<2	52	<5	<3	43
L16W 3+50N	0.3	1.48	<3	543	<3	0.23	1.9	13	9	25	5.79	0.12	0.79	589	12	0.07	5	0.16	108	<2	<2	62	<5	<3	71
L16W 4+00N	0.5	1.17	<3	572	<3	0.10	1.5	7	11	25	4.58	0.08	0.58	423	9	0.05	9	0.11	64	<2	<2	52	<5	<3	61
L16W 4+50N	0.5	0.93	<3	322	<3	0.11	1.2	8	213	22	5.23	0.09	0.52	379	11	0.05	63	0.11	98	5	<2	52	<5	<3	56
L16W 5+00N	0.6	1.05	<3	194	<3	0.08	1.6	5	15	17	6.89	0.15	0.52	424	11	0.07	6	0.22	87	5	<2	60	<5	<3	50
L16W 5+50N	0.6	0.81	<3	294	<3	0.05	0.8	4	13	18	6.41	0.10	0.39	267	9	0.05	1	0.15	74	6	<2	49	<5	<3	45
L16W 0+50S	1.2	0.90	85	313	<3	0.06	0.5	4	8	37	4.97	0.09	0.45	364	8	0.05	3	0.18	123	14	<2	94	<5	<3	62
L16W 1+00S	0.8	0.79	89	365	<3	0.02	2.3	3	<1	29	4.35	0.09	0.41	339	8	0.06	<1	0.16	96	22	<2	64	<5	<3	57
L17W 0+00	0.6	0.69	<3	217	<3	0.09	1.9	5	4	12	6.05	0.11	0.29	178	9	0.07	<1	0.15	52	5	<2	60	<5	<3	40
L17W 0+50N	0.5	0.70	<3	308	<3	0.02	1.3	3	4	13	4.27	0.08	0.28	166	11	0.06	<1	0.11	59	9	<2	87	<5	<3	37
L17W 1+00N	0.4	0.86	<3	542	<3	<0.01	1.1	3	5	14	4.77	0.08	0.28	168	10	0.06	<1	0.13	55	4	<2	64	<5	<3	42
L17W 1+50N	0.2	0.60	<3	419	<3	<0.01	0.8	2	2	10	3.05	0.06	0.22	123	8	0.04	<1	0.09	50	<2	<2	54	<5	<3	24
L17W 2+00N	0.3	0.72	<3	250	<3	0.09	1.0	8	5	14	5.00	0.10	0.31	171	8	0.08	<1	0.11	51	6	<2	66	<5	<3	30
L17W 2+50N	0.4	0.72	<3	238	<3	<0.01	0.8	1	5	13	4.03	0.08	0.28	164	8	0.05	<1	0.12	48	5	<2	92	<5	<3	27
L17W 3+00N	0.4	0.67	<3	485	<3	0.02	1.3	3	4	15	3.09	0.06	0.30	187	6	0.05	<1	0.08	58	<2	<2	69	<5	<3	31
L17W 3+50N	0.7	0.89	<3	391	<3	<0.01	0.4	4	2	19	3.69	0.06	0.48	328	7	0.04	<1	0.11	81	5	<2	48	<5	<3	42
L17W 4+00N	0.1	1.63	<3	168	<3	0.11	1.7	17	14	45	4.97	0.12	0.68	664	11	0.07	20	0.12	15	<2	<2	23	<5	<3	100
L17W 0+50S	<0.1	0.59	<3	326	<3	0.08	1.4	2	<1	12	4.09	0.08	0.23	130	6	0.04	<1	0.14	38	5	<2	68	<5	<3	37
L17W 1+00S	<0.1	0.51	<3	267	<3	0.03	0.6	1	<1	10	3.49	0.06	0.21	123	6	0.05	<1	0.13	55	2	<2	88	<5	<3	27
L17W 1+50S	<0.1	0.47	<3	220	<3	<0.01	0.6	1	<1	9	4.64	0.08	0.16	110	8	0.05	<1	0.19	46	8	<2	75	<5	<3	20
L17W 2+00S	0.3	0.64	<3	379	<3	<0.01	0.7	1	<1	13	3.38	0.06	0.22	191	5	0.03	<1	0.15	108	7	<2	114	<5	<3	35
18 ~~L17W~~ 0+50N	<0.1	1.95	<3	54	<3	0.28	2.0	25	15	88	6.29	0.15	0.75	878	13	0.07	22	0.13	2	<2	<2	32	<5	<3	147
L18W 1+00N	<0.1	1.88	<3	165	<3	0.12	2.0	18	14	76	5.91	0.14	0.69	698	10	0.07	17	0.17	11	<2	<2	35	<5	<3	113
L18W 1+50N	<0.1	2.52	<3	89	<3	0.23	2.5	27	15	103	6.69	0.17	0.69	1163	12	0.08	25	0.20	2	<2	<2	63	<5	<3	146
L18W 2+00N	<0.1	1.69	<3	131	<3	0.22	1.6	21	14	55	5.28	0.13	0.76	818	12	0.07	21	0.10	9	<2	<2	28	<5	<3	133
L18W 2+50N	0.2	2.22	<3	206	<3	0.16	2.0	25	29	89	6.25	0.15	0.73	971	12	0.06	28	0.16	4	<2	<2	36	<5	<3	147
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample as - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900630 PA | PRIME EQUITIES INC. | PROJECT: TREATY | DATE IN: OCT 01 1990 | DATE OUT: NOV 05 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L18W 3+00N	0.5	1.29	<3	358	<3	0.10	1.2	11	21	39	4.97	0.11	0.59	400	11	0.05	27	0.13	20	<2	<2	33	<5	<3	78
L19W 0+00N	0.1	1.63	<3	157	<3	0.38	1.6	23	20	52	5.59	0.16	0.70	869	12	0.07	37	0.09	13	<2	<2	38	<5	<3	181
L19W 0+50N	0.2	2.34	<3	149	<3	0.45	2.1	28	28	60	5.83	0.17	1.10	929	14	0.11	37	0.09	<2	<2	<2	39	<5	<3	165
L19W 1+00N	0.2	1.95	<3	134	<3	0.32	1.6	24	25	58	5.67	0.15	0.87	973	13	0.07	37	0.10	<2	<2	<2	30	<5	<3	160
L19W 1+50N	0.1	1.69	<3	128	<3	0.28	2.4	20	21	51	5.20	0.13	0.77	728	12	0.06	26	0.09	<2	<2	<2	28	<5	<3	150
L19W 2+00N	0.3	2.01	<3	194	<3	0.32	2.4	24	23	60	6.03	0.17	0.78	956	13	0.08	29	0.13	<2	<2	<2	44	<5	<3	159
L19W 2+50N	0.2	1.78	<3	139	<3	0.30	2.1	23	21	54	5.55	0.14	0.76	932	11	0.09	31	0.11	<2	<2	<2	37	<5	<3	145
L19W 3+00N	0.2	1.92	<3	124	<3	0.45	1.7	22	25	32	4.34	0.13	0.95	858	10	0.06	27	0.09	<2	<2	<2	21	<5	<3	111
L19W 3+50N	0.2	2.80	<3	148	<3	1.06	2.3	40	54	49	5.35	0.20	1.72	1165	11	0.18	68	0.08	<2	<2	<2	65	<5	<3	128
L19W 4+00N	0.2	1.21	<3	85	<3	0.32	2.0	15	27	24	3.05	0.08	0.70	612	6	0.04	32	0.07	<2	<2	<2	18	<5	<3	76
L19W 0+50S	0.2	2.26	<3	110	<3	0.74	1.9	31	21	47	5.68	0.19	1.28	778	13	0.22	26	0.08	<2	<2	<2	70	<5	<3	144
L19W 1+00S	0.3	1.96	<3	88	<3	0.39	3.8	35	24	69	7.81	0.20	1.05	1570	14	0.09	31	0.11	<2	<2	<2	39	<5	<3	264
L19W 1+50S	0.2	2.24	<3	187	<3	0.51	2.2	26	23	58	6.07	0.17	1.08	930	14	0.13	32	0.09	<2	<2	<2	55	<5	<3	178
L20W 0+00	0.4	1.86	<3	154	<3	0.26	3.2	27	21	67	6.52	0.17	0.90	1083	13	0.07	35	0.11	<2	<2	<2	24	<5	<3	185
L20W 0+50N	0.4	2.00	<3	132	<3	0.37	1.6	26	25	58	6.06	0.16	0.97	996	12	0.09	25	0.10	<2	<2	<2	33	<5	<3	171
L20W 1+00N	0.3	1.90	<3	119	<3	0.25	2.2	27	24	56	5.62	0.12	0.91	1098	13	0.06	28	0.10	<2	<2	<2	22	<5	<3	157
L20W 1+50N	0.3	2.61	<3	133	<3	0.41	2.8	33	31	68	6.05	0.17	1.22	1466	15	0.08	41	0.10	<2	<2	<2	29	<5	<3	172
L20W 2+00N	0.2	1.97	<3	140	<3	0.33	<0.1	27	22	58	5.52	0.14	0.86	1102	13	0.08	27	0.10	<2	<2	<2	33	<5	<3	160
L20W 2+50N	0.2	1.84	<3	131	<3	0.31	1.8	26	21	53	5.31	0.14	0.84	1040	12	0.08	24	0.09	3	<2	<2	32	<5	<3	150
L20W 3+00N	<0.1	1.71	<3	132	<3	0.29	1.6	21	19	42	4.93	0.12	0.90	788	11	0.06	19	0.09	<2	<2	<2	28	<5	<3	128
L20W 3+50N	0.3	1.97	<3	194	<3	0.33	1.5	19	18	32	4.73	0.12	0.88	949	10	0.06	18	0.08	3	<2	<2	25	<5	<3	138
L20W 0+50S	0.3	3.81	<3	148	<3	0.48	2.2	45	37	61	8.42	0.25	1.84	2076	18	0.09	40	0.11	<2	<2	<2	32	<5	<3	189
L20W 1+00S	0.2	3.12	<3	176	<3	0.52	1.8	37	45	66	7.28	0.21	1.66	1451	18	0.08	45	0.09	<2	<2	<2	37	<5	<3	192
L21W 0+00	0.3	2.49	<3	270	<3	0.30	2.5	24	30	63	5.31	0.15	0.90	1113	13	0.06	32	0.09	<2	<2	<2	40	<5	<3	170
L21W 0+50N	0.4	1.95	<3	404	<3	0.16	0.8	18	21	50	4.98	0.12	0.74	681	12	0.06	12	0.09	29	<2	<2	39	<5	<3	115
L21W 1+00N	0.5	2.06	<3	223	<3	0.24	1.3	24	21	44	4.79	0.12	0.86	853	12	0.09	17	0.08	11	<2	<2	37	<5	<3	121
L21W 1+50N	0.5	2.11	<3	353	<3	0.11	1.7	22	18	53	4.93	0.10	0.72	806	10	0.06	9	0.10	27	<2	<2	44	<5	<3	109
L21W 2+00N	0.4	1.76	<3	285	<3	0.11	1.0	16	15	38	4.44	0.10	0.69	899	9	0.06	7	0.09	30	<2	<2	38	<5	<3	97
L21W 2+50N	0.4	1.93	<3	444	<3	0.12	0.6	15	17	43	5.05	0.12	0.70	753	9	0.06	6	0.11	40	<2	<2	54	<5	<3	95
L21W 3+00N	0.4	1.68	<3	608	<3	0.11	1.3	16	17	39	5.15	0.11	0.65	732	10	0.06	4	0.13	69	<2	<2	60	<5	<3	94
L21W 3+50N	0.3	1.90	<3	222	<3	0.26	2.1	21	18	46	4.99	0.13	0.90	879	10	0.07	15	0.10	7	<2	<2	31	<5	<3	130
L22W 0+00	0.2	2.61	<3	487	<3	0.18	1.1	16	22	42	4.86	0.12	0.74	753	13	0.06	9	0.08	9	<2	<2	28	<5	<3	117
L22W 0+50N	0.2	2.35	<3	402	<3	0.19	1.2	19	23	48	5.24	0.12	0.74	870	13	0.07	9	0.09	17	<2	<2	40	<5	<3	130
L22W 1+00N	<0.1	2.73	<3	369	<3	<0.01	1.0	7	16	28	4.79	0.10	0.48	309	12	0.06	<1	0.12	42	<2	<2	43	<5	<3	60
L22W 1+50N	0.4	1.95	<3	437	<3	0.11	0.4	12	17	37	4.48	0.09	0.69	494	8	0.05	6	0.09	40	<2	<2	48	<5	<3	91
L22W 2+00N	0.3	1.77	<3	379	<3	0.27	0.8	13	12	29	5.44	0.13	0.58	603	13	0.07	<1	0.11	58	<2	<2	59	<5	<3	79
L22W 2+50N	0.2	2.64	<3	264	<3	0.13	2.6	40	22	76	4.98	0.13	0.84	2020	13	0.08	33	0.11	5	<2	<2	33	<5	<3	203
L22W 3+00N	0.4	2.37	<3	274	<3	0.53	1.1	26	14	42	5.21	0.16	0.98	1031	10	0.17	6	0.10	18	<2	<2	92	<5	<3	119
L22W ~~3+50N~~ 0+50S	0.1	1.87	<3	214	<3	0.18	1.3	22	23	42	4.99	0.11	0.73	805	14	0.07	15	0.05	11	<2	<2	25	<5	<3	109
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900630 PA | PRIME EQUITIES INC. | PROJECT: TREATY | DATE IN: OCT 01 1990 | DATE OUT: NOV 05 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L22W 1+50S	0.2	2.14	<3	171	<3	0.16	2.1	22	27	46	5.25	0.12	0.70	809	22	0.08	45	0.07	<2	<2	<2	24	<5	<3	177
L22W 2+00S	0.5	2.75	<3	173	<3	0.14	1.3	26	30	54	5.54	0.14	0.75	850	24	0.09	46	0.11	<2	<2	<2	23	<5	<3	196
L22W 2+50S	0.4	2.97	<3	133	<3	0.19	2.7	34	27	53	6.39	0.16	0.83	1758	22	0.11	41	0.10	<2	<2	<2	13	<5	<3	197
L22W 3+00S	<0.1	3.38	<3	102	<3	0.34	2.2	45	33	118	7.49	0.19	1.11	1324	26	0.15	57	0.11	<2	<2	<2	28	<5	<3	221
L22W 3+50S	<0.1	3.48	<3	193	<3	0.43	2.1	34	46	65	6.16	0.18	1.38	1669	26	0.11	50	0.13	<2	<2	<2	26	<5	<3	195
L22W 4+00S	<0.1	2.68	<3	161	<3	0.23	1.3	24	41	39	5.30	0.13	1.07	1192	18	0.08	33	0.07	<2	<2	<2	16	<5	<3	141
L22W 4+50S	<0.1	2.64	<3	106	<3	0.17	2.0	25	29	44	5.59	0.14	0.82	1224	33	0.10	30	0.08	<2	<2	<2	11	<5	<3	243
L22W 5+00S	<0.1	2.75	<3	121	<3	0.26	1.3	24	51	32	5.29	0.13	1.10	1108	17	0.08	31	0.08	<2	<2	<2	17	<5	<3	141
L23W 0+00	0.2	3.00	<3	493	<3	0.13	1.0	19	29	46	5.47	0.12	0.67	1267	15	0.08	23	0.10	<2	<2	<2	27	<5	<3	121
L23W 0+50N	0.3	3.03	<3	515	<3	0.10	1.8	23	29	59	5.89	0.14	0.74	2162	14	0.08	21	0.11	3	<2	<2	26	<5	<3	107
L23W 1+00N	<0.1	2.60	<3	278	<3	0.05	<0.1	6	21	24	4.95	0.10	0.24	451	13	0.07	4	0.09	12	<2	<2	31	<5	<3	69
L23W 1+50N	<0.1	2.67	<3	337	<3	0.12	1.4	21	21	29	5.51	0.11	0.39	1720	14	0.07	4	0.11	23	<2	<2	40	<5	<3	82
L23W 2+00N	<0.1	2.55	<3	343	<3	0.45	1.6	24	27	50	5.28	0.16	0.92	797	12	0.15	20	0.11	2	<2	<2	60	<5	<3	113
L23W 2+50N	<0.1	1.99	<3	355	<3	0.18	<0.1	17	22	34	4.39	0.11	0.66	730	12	0.07	11	0.09	40	<2	<2	41	<5	<3	101
L23W 2+00S	<0.1	3.37	<3	123	<3	0.15	1.6	28	28	41	5.76	0.16	0.73	1477	29	0.12	19	0.12	<2	<2	<2	16	<5	<3	176
L23W 2+50S	<0.1	2.75	<3	161	<3	0.24	1.9	28	26	46	6.00	0.15	0.84	1446	31	0.10	24	0.09	<2	<2	<2	20	<5	<3	208
L23W 3+00S	0.7	2.52	<3	89	<3	0.08	<0.1	6	26	13	3.01	0.07	0.23	261	12	0.05	<1	0.12	<2	<2	<2	10	<5	<3	43
L23W 3+50S	<0.1	3.77	<3	200	<3	0.28	1.8	38	52	53	6.66	0.18	1.46	2172	22	0.09	34	0.11	<2	<2	<2	19	<5	<3	197
L23W 4+00S	<0.1	3.44	<3	352	<3	0.35	2.1	31	34	48	7.15	0.19	1.10	2424	26	0.10	20	0.09	<2	<2	<2	28	<5	<3	225
L23W 4+50S	<0.1	3.74	<3	195	<3	0.22	1.6	32	35	44	6.51	0.17	1.20	2136	16	0.10	19	0.12	<2	<2	<2	18	<5	<3	205
L24W 0+00N	0.2	3.35	<3	158	<3	0.26	1.6	28	34	49	4.47	0.13	0.94	770	16	0.10	36	0.09	<2	<2	<2	28	<5	<3	195
L24W 0+50N	0.2	2.83	<3	203	<3	0.18	<0.1	20	26	47	4.00	0.12	0.72	688	13	0.14	14	0.07	2	<2	<2	19	<5	<3	189
L24W 1+00N	0.3	2.72	<3	248	<3	0.27	1.0	23	29	43	4.54	0.14	0.91	746	14	0.13	19	0.09	<2	<2	<2	33	<5	<3	161
L24W 1+50N	0.6	2.74	<3	679	<3	0.62	1.4	27	24	39	6.38	0.21	1.12	829	15	0.23	12	0.14	30	<2	<2	106	<5	<3	98
L24W 2+00N	0.3	2.52	<3	399	<3	0.12	0.4	16	21	32	4.76	0.10	0.64	794	15	0.07	<1	0.11	20	<2	<2	46	<5	<3	92
L24W 2+50N	<0.1	2.45	<3	147	<3	0.32	2.0	29	20	33	6.07	0.15	1.06	1540	16	0.09	5	0.08	<2	<2	<2	17	<5	<3	172
L24W 0+50S	<0.1	3.08	<3	149	<3	0.20	1.4	24	30	49	6.18	0.16	0.98	1086	16	0.11	22	0.10	<2	<2	<2	23	<5	<3	211
L24W 1+00S	<0.1	3.18	<3	102	<3	0.04	<0.1	12	19	28	4.19	0.11	0.41	433	15	0.11	<1	0.09	<2	<2	<2	13	<5	<3	119
L24W 1+50S	<0.1	4.84	<3	386	<3	0.20	0.8	26	39	42	7.53	0.19	0.81	2606	30	0.09	14	0.16	<2	<2	<2	27	<5	<3	236
L24W 2+00S	0.2	2.37	<3	194	<3	0.30	0.7	20	23	28	5.32	0.14	0.60	1423	18	0.07	2	0.14	<2	<2	<2	26	<5	<3	166
L24W 2+50S	0.5	4.30	<3	196	<3	0.26	2.0	61	56	73	7.84	0.24	1.59	5920	17	0.13	34	0.11	<2	<2	<2	16	<5	<3	232
L24W 3+00S	0.3	4.49	<3	237	<3	0.29	2.6	68	53	79	7.90	0.23	1.56	6834	20	0.13	32	0.12	<2	<2	<2	22	<5	<3	257
L25W 0+00N	0.2	3.47	<3	112	<3	0.35	1.9	37	25	42	5.87	0.17	1.11	2406	17	0.17	<1	0.16	<2	<2	<2	35	<5	<3	190
L25W 0+50N	0.1	3.01	<3	117	<3	0.32	2.3	34	22	36	6.72	0.19	1.24	1840	17	0.11	<1	0.07	<2	<2	<2	19	<5	<3	200
L25W 1+00N	0.2	2.84	<3	143	<3	0.29	1.8	32	18	38	6.86	0.19	1.09	1921	15	0.10	<1	0.08	<2	<2	<2	17	<5	<3	220
L25W 1+50N	0.1	2.40	<3	142	<3	0.28	2.6	26	20	34	6.07	0.16	0.99	1581	17	0.09	2	0.07	<2	<2	<2	19	<5	<3	190
L25W 2+00N	0.3	1.95	<3	179	<3	0.38	1.9	28	18	33	5.71	0.15	0.93	1571	11	0.09	2	0.08	<2	<2	<2	24	<5	<3	176
L25W 0+50S	0.1	3.26	<3	186	<3	0.10	1.0	27	23	38	6.74	0.15	0.80	2133	15	0.08	<1	0.13	<2	<2	<2	15	<5	<3	195
TR L13W 0+50S	0.8	0.98	<3	350	<3	0.08	2.1	5	4	17	6.08	0.13	0.57	495	11	0.07	<1	0.15	297	<2	<2	52	<5	<3	111
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample **ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.**

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: NOV 01 1990
REPORT#: 900713 GA
JOB#: 900713

PROJECT#: TANTALUS (TREATY)
SAMPLES ARRIVED: OCT 29 1990
REPORT COMPLETED: NOV 01 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900713 NA
TOTAL SAMPLES: 148
SAMPLE TYPE: 148 SOIL
REJECTS: DISCARDED

SAMPLES FROM: OREQUEST CONSULTANTS - ESKAY CREEK
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900713 GA JOB NUMBER: 900713 PRIME EQUITIES INC. PAGE 1 OF 4

SAMPLE #	Au ppb
TR L12W 1+25N	30
TR L12W 1+75N	30
TR L12W 2+25N	20
TR L12W 2+75N	30
TR L12W 3+25N	20
TR L12W 3+75N	20
TR L12W 4+25N	20
TR L12W 4+75N	nd
TR L13W 0+25N	120
TR L13W 0+75N	70
TR L13W 1+25N	70
TR L13W 1+75N	140
TR L13W 2+25N	60
TR L13W 2+75N	30
TR L13W 3+25N	30
TR L13W 3+75N	30
TR L13W 4+25N	50
TR L13W 0+25S	150
TR L13W 0+75S	90
TR L13W 1+25S	110
TR L14W 0+25N	100
TR L14W 0+75N	100
TR L14W 1+25N	60
TR L14W 1+75N	70
TR L14W 2+25N	30
TR L14W 2+75N	30
TR L14W 3+25N	20
TR L14W 3+75N	20
TR L14W 4+25N	20
TR L14W 4+75N	50
TR L15W 0+25N	60
TR L15W 1+25N	70
TR L15W 1+75N	90
TR L15W 2+25N	120
TR L15W 2+75N	60
TR L15W 3+25N	30
TR L15W 3+75N	40
TR L15W 4+25N	140
TR L15W 4+75N	200
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
TR L15W 0+25S	50
TR L15W 0+75S	30
TR L15W 1+25S	100
TR L15W 1+75S	10
TR L16W 0+25N	70
TR L16W 0+75N	90
TR L16W 1+25N	190
TR L16W 1+75N	270
TR L16W 2+25N	80
TR L16W 2+75N	90
TR L16W 3+25N	70
TR L16W 3+75N	40
TR L16W 4+25N	70
TR L16W 4+75N	50
TR L16W 5+25N	50
TR L16W 0+25S	110
TR L16W 0+75S	80
TR L17W 0+25N	10
TR L17W 0+75N	20
TR L17W 1+25N	10
TR L17W 1+75N	30
TR L17W 2+25N	20
TR L17W 2+75N	20
TR L17W 3+25N	100
TR L17W 3+75N	nd
TR L17W 4+25N	nd
TR L17W 0+25S	nd
TR L17W 1+25S	20
TR L17W 1+75S	30
TR L18W 0+25N	20
TR L18W 0+75N	20
TR L18W 1+25N	40
TR L18W 1+75N	50
TR L18W 2+25N	20
TR L18W 2+75N	nd
TR L18W 3+75N	40
TR L19W 0+25N	30
TR L19W 0+75N	nd
TR L19W 1+25N	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
TR L19W 1+75N	50
TR L19W 2+25N	nd
TR L19W 2+75N	nd
TR L19W 3+25N	nd
TR L19W 3+75N	nd
TR L19W 0+25S	nd
TR L19W 0+75S	20
TR L19W 1+25S	10
TR L19W 1+75S	20
TR L20W 0+25N	nd
TR L20W 0+75N	nd
TR L20W 1+25N	nd
TR L20W 1+75N	30
TR L20W 2+25N	20
TR L20W 2+75N	nd
TR L20W 3+25N	30
TR L20W 0+25S	nd
TR L20W 0+75S	nd
TR L21W 0+25N	30
TR L21W 0+75N	30
TR L21W 1+25N	40
TR L21W 1+75N	50
TR L21W 2+25N	nd
TR L21W 2+75N	nd
TR L21W 3+25N	nd
TR L21W 3+75N	70
TR L22W 0+25N	30
TR L22W 0+75N	10
TR L22W 1+25N	40
TR L22W 1+75N	nd
TR L22W 2+25N	nd
TR L22W 2+75N	30
TR L22W 0+25S	30
TR L22W 0+75S	30
TR L22W 1+25S	20
TR L22W 1+75S	50
TR L22W 2+25S	nd
TR L22W 2+75S	nd
TR L22W 3+25S	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900713 GA JOB NUMBER: 900713 PRIME EQUITIES INC.

SAMPLE #	Au ppb
TR L22W 3+75S	nd
TR L22W 4+25S	nd
TR L22W 4+75S	nd
TR L22W 5+25S	nd
TR L23W 0+25N	10
TR L23W 0+75N	30
TR L23W 1+25N	40
TR L23W 1+75N	20
TR L23W 2+25N	30
TR L23W 2+75N	30
TR L23W 2+25S	20
TR L23W 2+75S	nd
TR L23W 3+25S	nd
TR L23W 3+75S	nd
TR L23W 4+25S	nd
TR L24W 0+25N	20
TR L24W 0+75N	nd
TR L24W 1+25N	nd
TR L24W 1+75N	20
TR L24W 2+25N	nd
TR L24W 0+25S	nd
TR L24W 0+75S	nd
TR L24W 1+25S	20
TR L24W 1+75S	nd
TR L24W 2+25S	nd
TR L24W 2+75S	nd
TR L25W 0+25N	nd
TR L25W 0+75N	nd
TR L25W 1+25N	nd
TR L25W 1+75N	nd
TR L25W 0+25S	nd

31

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900713 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 29 1990 | DATE OUT: NOV 15 1990 | ATTENTION: MR. JIM FOSTER | PAGE 1 OF 4

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
TR L12W 1+25N	0.8	0.58	<3	376	<3	0.08	1.4	2	4	16	5.03	0.05	0.20	173	7	0.09	3	0.19	62	<2	<2	67	<5	<3	43
TR L12W 1+75N	0.8	1.01	<3	438	<3	0.06	1.7	4	12	24	5.57	0.05	0.37	224	7	0.08	6	0.14	65	<2	<2	45	<5	<3	39
TR L12W 2+25N	0.6	1.03	<3	428	<3	0.07	1.7	5	14	23	5.14	0.05	0.43	250	7	0.08	7	0.13	55	<2	<2	40	<5	<3	43
TR L12W 2+75N	0.5	1.12	<3	393	<3	0.17	1.8	8	11	26	5.25	0.07	0.49	300	7	0.10	6	0.12	50	<2	<2	54	<5	<3	50
TR L12W 3+25N	0.5	1.01	<3	512	<3	0.05	1.5	3	10	19	4.76	0.05	0.35	213	5	0.08	3	0.13	48	<2	<2	46	<5	<3	42
TR L12W 3+75N	0.3	1.26	<3	527	<3	0.03	1.6	4	9	25	5.71	0.06	0.26	366	6	0.09	<1	0.18	37	<2	<2	60	<5	<3	46
TR L12W 4+25N	0.4	3.10	<3	231	<3	0.66	3.8	51	49	63	7.13	0.15	0.89	3136	11	0.13	35	0.40	39	2	<2	25	<5	<3	151
TR L12W 4+75N	0.5	4.39	<3	149	<3	0.50	5.2	48	74	101	7.68	0.14	2.31	1547	16	0.16	71	0.16	52	11	<2	17	<5	<3	299
TR L13W 0+25N	0.8	1.19	<3	643	<3	0.18	1.6	6	9	23	3.94	0.05	0.72	538	9	0.06	4	0.08	116	<2	<2	77	<5	<3	73
TR L13W 0+75N	0.9	1.25	<3	577	<3	0.10	1.3	5	6	30	4.94	0.05	0.63	617	8	0.07	<1	0.15	120	<2	<2	73	<5	<3	82
TR L13W 1+25N	0.4	0.86	<3	467	<3	0.05	1.7	3	7	21	5.18	0.05	0.46	254	7	0.07	1	0.12	106	<2	<2	46	<5	<3	90
TR L13W 1+75N	0.9	1.34	<3	146	<3	0.24	2.7	9	8	47	5.21	0.08	0.83	634	9	0.08	3	0.11	124	<2	<2	50	<5	<3	108
TR L13W 2+25N	0.9	0.80	<3	357	<3	0.06	1.7	3	5	15	5.20	0.05	0.36	264	8	0.07	<1	0.15	104	<2	<2	76	<5	<3	41
TR L13W 2+75N	0.7	0.98	<3	548	<3	0.04	1.6	3	7	24	6.56	0.06	0.31	223	7	0.10	<1	0.25	55	<2	<2	92	<5	<3	42
TR L13W 3+25N	0.7	0.91	<3	513	<3	0.04	1.6	3	6	21	6.45	0.06	0.31	230	6	0.10	<1	0.24	60	<2	<2	77	<5	<3	40
TR L13W 3+75N	0.7	1.03	<3	447	<3	0.03	1.4	4	10	25	6.92	0.07	0.36	247	8	0.10	<1	0.20	62	5	<2	66	<5	<3	45
TR L13W 4+25N	0.5	0.93	<3	724	<3	0.04	1.5	4	8	24	5.75	0.06	0.35	254	7	0.09	<1	0.17	50	<2	<2	64	<5	<3	49
TR L13W 0+25S S	0.9	1.21	<3	273	<3	0.21	1.4	6	10	31	4.59	0.07	0.73	506	9	0.07	<1	0.11	139	<2	<2	84	<5	<3	72
TR L13W 0+75S S	0.9	1.23	<3	300	<3	0.20	2.2	6	7	39	6.48	0.08	0.71	536	9	0.09	<1	0.17	206	7	<2	69	<5	<3	97
TR L13W 1+25S S	0.6	1.68	<3	71	<3	0.28	3.0	15	14	68	7.56	0.10	0.89	821	11	0.10	4	0.21	121	2	<2	46	<5	<3	112
TR L14W 0+25N	0.6	1.31	<3	502	<3	0.10	1.7	8	10	31	5.92	0.07	0.78	522	8	0.07	2	0.14	116	<2	<2	62	<5	<3	56
TR L14W 0+75N	0.7	1.43	<3	681	<3	0.27	2.3	8	8	35	6.15	0.09	0.77	652	10	0.08	<1	0.21	124	<2	<2	76	<5	<3	67
TR L14W 1+25N	0.4	1.25	<3	536	<3	0.08	1.9	6	7	27	5.79	0.07	0.68	584	7	0.07	<1	0.15	106	<2	<2	55	<5	<3	62
TR L14W 1+75N	1.0	1.33	<3	394	<3	0.10	2.2	5	7	26	6.83	0.07	0.69	625	9	0.09	<1	0.19	104	2	<2	68	<5	<3	58
TR L14W 2+25N	1.1	1.03	<3	525	<3	0.06	1.7	3	5	21	5.30	0.05	0.54	417	8	0.07	<1	0.14	103	<2	<2	70	<5	<3	53
TR L14W 2+75N	1.0	0.86	<3	516	<3	0.03	1.4	2	3	16	5.44	0.05	0.40	294	7	0.07	<1	0.14	89	<2	<2	46	<5	<3	45
TR L14W 3+25N	0.8	0.98	<3	405	<3	0.05	1.3	4	6	19	5.65	0.06	0.47	302	8	0.08	<1	0.15	80	<2	<2	69	<5	<3	41
TR L14W 3+75N	0.6	0.97	<3	424	<3	0.06	1.6	5	6	20	5.77	0.06	0.49	312	7	0.08	<1	0.16	76	<2	<2	57	<5	<3	41
TR L14W 4+25N	0.8	1.01	<3	677	<3	0.02	1.6	3	7	22	5.64	0.05	0.43	286	6	0.09	<1	0.18	61	<2	<2	62	<5	<3	44
TR L14W 4+75N	0.9	1.26	<3	679	<3	0.02	2.0	5	9	29	5.68	0.05	0.51	385	7	0.08	<1	0.17	65	<2	<2	67	<5	<3	59
TR L15W 0+25N	0.9	0.98	<3	546	<3	0.02	1.2	4	4	19	4.16	0.04	0.56	395	5	0.06	<1	0.11	74	<2	<2	45	<5	<3	39
TR L15W 1+25N	0.8	1.50	<3	413	<3	0.14	1.9	7	8	41	6.18	0.07	0.86	605	8	0.08	<1	0.15	98	<2	<2	72	<5	<3	63
TR L15W 1+75N	1.0	1.75	<3	755	<3	0.22	2.4	9	8	48	7.17	0.10	0.88	744	10	0.10	<1	0.26	109	4	<2	90	<5	<3	67
TR L15W 2+25N	0.9	1.66	<3	727	<3	0.16	2.0	9	8	44	7.00	0.08	0.90	713	10	0.09	<1	0.18	124	2	<2	63	<5	<3	79
TR L15W 2+75N	0.9	1.45	<3	609	<3	0.04	1.7	6	8	38	5.45	0.06	0.71	582	7	0.07	<1	0.15	105	<2	<2	61	<5	<3	76
TR L15W 3+25N	1.0	1.21	<3	579	<3	0.03	1.5	3	5	20	4.52	0.05	0.58	463	7	0.06	<1	0.13	132	<2	<2	65	<5	<3	54
TR L15W 3+75N	1.1	1.11	<3	466	<3	0.02	1.5	3	5	19	5.49	0.05	0.52	370	7	0.07	<1	0.12	113	<2	<2	45	<5	<3	50
TR L15W 4+25N	1.4	1.22	<3	436	<3	<0.01	1.7	3	9	37	7.28	0.07	0.57	508	8	0.09	<1	0.18	132	8	<2	72	<5	<3	56
TR L15W 4+75N	2.4	1.52	<3	470	<3	0.01	2.7	4	13	65	8.16	0.08	0.73	759	7	0.11	<1	0.21	136	9	<2	59	<5	<3	103
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900713 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 29 1990 | DATE OUT: NOV 15 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR L15W 0+25S	0.6	1.05	<3	597	<3	0.07	1.9	5	9	22	4.90	0.04	0.61	499	8	0.09	8	0.14	93	<2	<2	61	<5	<3	48
TR L15W 0+75S	0.6	0.75	<3	491	<3	0.04	0.3	2	7	10	3.41	0.03	0.36	310	6	0.08	6	0.13	91	<2	<2	70	<5	<3	32
TR L15W 1+25S	0.7	0.70	<3	404	<3	0.04	0.1	2	9	10	3.84	0.04	0.29	231	6	0.10	5	0.13	78	<2	<2	100	<5	<3	32
TR L15W 1+75S	0.6	0.47	<3	440	<3	0.02	1.5	1	5	7	3.59	0.03	0.16	166	4	0.08	2	0.12	66	<2	<2	62	<5	<3	31
TR L16W 0+25N	1.3	0.88	60	431	<3	0.09	2.0	2	6	19	5.20	0.05	0.45	333	5	0.07	2	0.20	84	10	<2	108	<5	<3	54
TR L16W 0+75N	1.4	1.02	60	594	<3	0.08	2.0	4	8	19	5.10	0.06	0.56	367	6	0.08	2	0.21	74	12	<2	95	<5	<3	57
TR L16W 1+25N	1.1	0.87	52	620	<3	0.04	1.8	2	7	21	4.33	0.04	0.40	312	5	0.07	3	0.18	95	7	<2	112	<5	<3	63
TR L16W 1+75N	1.3	0.93	60	535	<3	0.03	1.4	3	8	22	4.95	0.04	0.43	325	5	0.07	3	0.20	84	8	<2	113	<5	<3	52
TR L16W 2+25N	1.0	0.81	19	608	<3	0.01	1.9	2	6	21	4.23	0.03	0.36	287	5	0.06	<1	0.18	101	<2	<2	105	<5	<3	51
TR L16W 2+75N	1.5	1.00	<3	227	<3	0.10	1.9	5	8	29	5.05	0.05	0.63	443	7	0.07	5	0.10	80	<2	<2	50	<5	<3	59
TR L16W 3+25N	1.3	1.06	18	742	<3	0.02	1.7	4	6	37	4.50	0.03	0.45	382	5	0.08	<1	0.17	115	8	<2	100	<5	<3	73
TR L16W 3+75N	0.7	1.44	<3	569	<3	0.11	2.3	7	11	31	5.73	0.06	0.76	568	7	0.08	4	0.14	94	<2	<2	59	<5	<3	61
TR L16W 4+25N	0.6	1.11	<3	585	<3	0.12	1.9	5	8	23	4.46	0.04	0.62	465	6	0.06	4	0.13	69	<2	<2	61	<5	<3	50
TR L16W 4+75N	0.6	0.94	<3	542	<3	0.09	1.5	4	7	18	3.71	0.04	0.53	395	6	0.06	2	0.09	71	<2	<2	68	<5	<3	48
TR L16W 5+25N	0.6	1.00	<3	478	<3	0.07	2.2	4	9	21	5.50	0.05	0.61	436	6	0.07	2	0.14	75	<2	<2	56	<5	<3	51
TR L16W 0+25S	1.4	0.92	69	523	<3	0.12	2.1	1	5	21	4.18	0.05	0.55	371	4	0.07	<1	0.19	90	17	<2	128	<5	<3	53
TR L16W 0+75S	1.7	1.12	25	718	<3	0.06	1.9	2	5	58	5.92	0.06	0.51	394	8	0.09	<1	0.23	163	14	<2	172	<5	<3	85
TR L17W 0+25N	0.6	0.93	<3	567	<3	0.02	1.9	3	6	15	5.10	0.04	0.35	224	8	0.08	<1	0.16	50	<2	<2	81	<5	<3	52
TR L17W 0+75N	0.5	0.85	<3	611	<3	<0.01	1.4	2	5	14	4.71	0.04	0.31	195	6	0.07	<1	0.14	51	<2	<2	82	<5	<3	43
TR L17W 1+25N	0.6	0.89	<3	498	<3	<0.01	1.7	3	8	22	5.96	0.05	0.34	211	7	0.08	<1	0.15	53	<2	<2	101	<5	<3	47
TR L17W 1+75N	0.4	0.79	<3	580	<3	0.04	1.5	4	5	15	4.43	0.04	0.34	194	7	0.07	<1	0.12	45	<2	<2	76	<5	<3	35
TR L17W 2+25N	0.4	0.66	<3	676	<3	0.02	0.7	2	4	12	2.94	0.03	0.27	192	4	0.05	<1	0.08	37	<2	<2	71	<5	<3	30
TR L17W 2+75N	0.4	0.76	<3	563	<3	0.09	1.8	5	5	18	3.84	0.04	0.38	225	5	0.07	<1	0.10	36	<2	<2	72	<5	<3	37
TR L17W 3+25N	1.5	1.25	<3	426	<3	0.06	2.7	5	7	36	6.91	0.07	0.61	467	6	0.10	<1	0.21	132	9	<2	97	<5	<3	58
TR L17W 3+75N	0.5	2.12	<3	327	<3	0.37	2.5	20	36	56	5.69	0.10	1.07	741	9	0.12	29	0.10	42	<2	<2	49	<5	<3	105
TR L17W 4+25N	0.5	1.37	<3	451	<3	0.09	2.3	10	17	39	6.23	0.06	0.67	370	8	0.09	13	0.14	43	<2	<2	40	<5	<3	84
TR L17W 0+25S	0.4	0.57	<3	525	<3	0.08	0.9	2	2	14	2.78	0.03	0.26	181	5	0.05	<1	0.11	36	<2	<2	80	<5	<3	39
TR L17W 1+25S	0.5	0.55	<3	538	<3	0.05	1.5	<1	2	9	4.29	0.04	0.19	163	4	0.06	<1	0.23	39	<2	<2	98	<5	<3	28
TR L17W 1+75S	0.4	0.74	<3	674	<3	0.03	0.3	<1	4	12	3.79	0.03	0.29	235	5	0.05	<1	0.20	34	<2	<2	142	<5	<3	27
TR L18W 0+25N	0.5	2.02	<3	225	<3	0.32	3.1	23	18	90	6.44	0.10	0.76	938	10	0.11	25	0.18	47	3	<2	59	<5	<3	158
TR L18W 0+75N	0.6	2.16	<3	246	<3	0.25	4.3	25	21	103	6.69	0.10	0.82	1102	10	0.11	30	0.16	47	5	<2	50	<5	<3	164
TR L18W 1+25N	1.0	1.26	<3	191	<3	0.08	2.7	10	17	42	7.50	0.07	0.60	377	10	0.10	13	0.18	74	5	<2	25	<5	<3	92
TR L18W 1+75N	0.6	2.41	<3	178	<3	0.22	3.5	26	20	75	7.09	0.10	0.82	1071	11	0.12	21	0.23	46	6	<2	42	<5	<3	150
TR L18W 2+25N	0.6	1.91	<3	289	<3	0.11	2.6	16	15	68	6.72	0.08	0.73	570	10	0.12	10	0.17	52	3	<2	66	<5	<3	115
TR L18W 2+75N	0.6	2.00	<3	240	<3	0.16	3.0	20	17	77	6.44	0.07	0.76	730	9	0.10	15	0.13	38	<2	<2	40	<5	<3	143
TR L18W 3+75N	0.6	1.81	<3	179	<3	0.11	3.1	19	18	62	7.90	0.08	0.71	702	9	0.11	14	0.19	51	6	<2	41	<5	<3	120
TR L18W 0+25N	0.5	2.52	<3	169	<3	0.48	3.7	30	27	72	6.50	0.12	1.24	1108	12	0.15	33	0.09	41	4	<2	43	<5	<3	182
TR L18W 0+75N	0.5	2.25	<3	144	<3	0.33	3.4	23	23	64	5.71	0.10	1.04	870	10	0.12	32	0.08	31	<2	<2	33	<5	<3	167
TR L18W 1+25N	0.4	1.88	<3	138	<3	0.31	3.4	22	18	63	5.90	0.10	0.85	804	11	0.13	25	0.10	33	3	<2	33	<5	<3	167
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900713 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 29 1990 | DATE OUT: NOV 15 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR L19W 1+75N	0.6	1.90	<3	137	<3	0.31	3.5	23	<1	70	5.76	0.11	0.86	934	11	0.10	23	0.12	19	<2	<2	34	<5	<3	141
TR L19W 2+25N	0.6	2.01	<3	161	<3	0.35	2.8	26	<1	71	6.31	0.13	0.91	1003	10	0.12	22	0.12	24	<2	<2	42	<5	<3	141
TR L19W 2+75N	0.9	2.39	<3	135	<3	0.49	2.7	30	<1	67	6.54	0.16	1.09	1067	10	0.15	8	0.14	19	<2	<2	53	<5	<3	124
TR L19W 3+25N	0.5	3.64	<3	115	<3	1.28	3.2	45	104	79	6.14	0.23	2.48	1422	11	0.13	93	0.09	4	<2	<2	43	<5	<3	118
TR L19W 3+75N	0.4	1.80	<3	177	<3	0.44	1.9	22	<1	48	4.05	0.11	0.99	805	6	0.09	62	0.08	20	<2	<2	32	<5	<3	100
TR L19W 0+25S	0.5	2.43	<3	184	<3	0.31	2.2	22	<1	68	5.98	0.13	1.03	823	10	0.10	16	0.07	11	<2	<2	36	<5	<3	146
TR L19W 0+75S	0.5	2.12	<3	104	<3	0.51	3.6	37	<1	69	7.73	0.19	1.21	1555	12	0.13	19	0.08	35	4	<2	44	<5	<3	223
TR L19W 1+25S	0.5	1.97	<3	150	<3	0.43	2.9	28	<1	69	7.11	0.17	0.98	949	11	0.13	16	0.10	29	<2	<2	42	<5	<3	167
TR L19W 1+75S	0.6	1.25	<3	104	<3	0.40	2.6	24	<1	58	6.65	0.15	0.68	1010	12	0.11	7	0.10	39	8	<2	49	<5	<3	179
TR L20W 0+25N	0.5	2.17	<3	150	<3	0.40	3.2	27	<1	69	6.63	0.15	1.07	987	13	0.12	22	0.12	22	<2	<2	32	<5	<3	166
TR L20W 0+75N	0.4	1.91	<3	129	<3	0.33	2.1	28	<1	64	6.30	0.15	0.93	1087	11	0.12	16	0.11	23	<2	<2	30	<5	<3	147
TR L20W 1+25N	0.4	2.31	<3	147	<3	0.38	2.6	29	<1	61	5.93	0.15	1.09	1083	12	0.12	17	0.10	17	<2	<2	29	<5	<3	150
TR L20W 1+75N	0.5	5.26	<3	344	<3	0.57	6.2	89	21	147	9.35	0.26	1.67	4412	14	0.16	59	0.02	<2	<2	<2	37	<5	<3	314
TR L20W 2+25N	0.4	1.94	<3	183	<3	0.35	2.3	25	<1	57	5.85	0.14	0.99	993	12	0.11	17	0.08	21	<2	<2	28	<5	<3	142
TR L20W 2+75N	0.3	1.89	<3	162	<3	0.32	2.1	24	<1	52	5.62	0.14	0.96	1017	10	0.11	10	0.10	23	<2	<2	27	<5	<3	130
TR L20W 3+25N	0.3	2.38	<3	144	<3	0.39	2.2	21	<1	36	5.21	0.14	1.17	873	10	0.12	1	0.06	15	<2	<2	25	<5	<3	107
TR L20W 0+25S	0.4	2.83	<3	111	<3	0.37	2.5	39	<1	59	7.29	0.18	1.53	1601	13	0.12	18	0.09	15	<2	<2	21	<5	<3	143
TR L20W 0+75S	0.5	3.15	<3	161	<3	0.67	3.0	35	<1	71	7.27	0.22	1.68	1320	16	0.13	29	0.08	10	<2	<2	42	<5	<3	168
TR L21W 0+25N	0.4	1.89	<3	158	<3	0.28	2.3	22	<1	42	4.50	0.11	0.83	922	12	0.10	9	0.07	32	<2	<2	26	<5	<3	113
TR L21W 0+75N	0.6	2.32	<3	271	<3	0.26	1.7	21	<1	53	5.24	0.12	0.84	944	12	0.11	9	0.07	35	<2	<2	34	<5	<3	132
TR L21W 1+25N	0.5	2.42	<3	400	<3	0.17	2.1	24	<1	64	5.54	0.12	0.80	960	12	0.11	9	0.10	48	<2	<2	39	<5	<3	122
TR L21W 1+75N	0.6	2.45	<3	412	<3	0.26	2.0	22	<1	54	5.64	0.14	0.94	899	12	0.13	<1	0.12	59	<2	<2	54	<5	<3	103
TR L21W 2+25N	0.6	2.15	<3	579	<3	0.20	2.3	30	<1	60	5.26	0.13	0.82	1384	11	0.11	6	0.12	49	<2	<2	39	<5	<3	130
TR L21W 2+75N	0.4	2.05	<3	366	<3	0.41	2.2	24	<1	50	5.54	0.16	0.90	1333	9	0.14	<1	0.19	39	<2	<2	53	<5	<3	127
TR L21W 3+25N	0.6	1.70	<3	465	<3	0.20	2.5	18	<1	43	4.99	0.12	0.67	882	10	0.11	<1	0.13	57	<2	<2	47	<5	<3	98
TR L21W 3+75N	0.6	2.10	<3	127	<3	0.36	2.4	24	<1	32	5.30	0.15	0.96	1132	12	0.14	<1	0.07	33	<2	<2	20	<5	<3	134
TR L22W 0+25N	0.6	2.24	<3	368	<3	0.33	1.8	19	<1	46	4.92	0.14	0.76	761	12	0.11	<1	0.08	37	<2	<2	35	<5	<3	115
TR L22W 0+75N	0.7	2.30	<3	862	<3	0.18	2.1	15	<1	41	6.00	0.13	0.82	537	12	0.13	<1	0.17	64	<2	<2	75	<5	<3	85
TR L22W 1+25N	0.8	2.55	<3	625	<3	0.16	2.0	17	<1	49	6.09	0.14	0.75	692	12	0.13	<1	0.16	73	<2	<2	53	<5	<3	100
TR L22W 1+75N	0.6	2.18	<3	450	<3	0.16	1.7	12	<1	34	4.37	0.10	0.65	516	11	0.10	<1	0.10	61	<2	<2	43	<5	<3	87
TR L22W 2+25N	0.9	4.07	<3	409	<3	0.18	2.4	26	<1	39	5.63	0.15	0.61	1333	13	0.14	<1	0.11	43	<2	<2	43	<5	<3	108
TR L22W 2+75N	0.7	2.32	<3	325	<3	0.27	3.1	33	<1	63	5.34	0.14	0.81	1582	12	0.14	3	0.10	53	<2	<2	43	<5	<3	151
TR L22W 0+25S	0.5	3.07	<3	309	<3	0.23	2.2	21	<1	43	5.45	0.14	0.79	1381	12	0.12	<1	0.09	25	<2	<2	23	<5	<3	123
TR L22W 0+75S	0.5	2.58	<3	139	<3	0.14	1.8	24	<1	45	5.56	0.13	0.85	1024	14	0.14	<1	0.06	32	<2	<2	23	<5	<3	120
TR L22W 1+25S	1.0	1.99	<3	191	<3	0.15	2.0	22	<1	30	4.73	0.12	0.81	1024	15	0.13	<1	0.06	36	<2	<2	26	<5	<3	128
TR L22W 1+75S	0.5	2.52	<3	249	<3	0.17	3.0	23	<1	39	5.54	0.14	0.91	1001	21	0.15	2	0.09	29	<2	<2	29	<5	<3	161
TR L22W 2+25S	0.5	2.98	<3	126	<3	0.27	2.4	30	<1	48	5.99	0.16	1.16	1248	18	0.15	6	0.06	20	<2	<2	17	<5	<3	163
TR L22W 2+75S	0.4	2.76	<3	101	<3	0.24	2.4	31	<1	62	6.08	0.16	1.09	1074	19	0.15	5	0.06	18	<2	<2	19	<5	<3	166
TR L22W 3+25S	0.4	3.57	<3	114	<3	0.96	2.6	38	<1	47	6.06	0.24	2.00	1145	17	0.28	6	0.08	16	<2	<2	71	<5	<3	146
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900713 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TREATY) | DATE IN: OCT 29 1990 | DATE OUT: NOV 15 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
TR L22W 3+75S	0.6	4.31	<3	134	<3	0.35	3.5	29	60	75	5.91	0.14	1.98	1191	10	0.11	56	0.14	3	<2	<2	17	<5	<3	145
TR L22W 4+25S	0.4	3.18	<3	133	<3	0.19	2.7	21	39	60	5.19	0.10	1.11	1104	14	0.12	43	0.05	20	<2	<2	10	<5	<3	198
TR L22W 4+75S	0.6	3.64	<3	91	<3	0.24	1.9	19	34	44	4.87	0.10	0.90	1144	13	0.14	33	0.12	<2	<2	<2	14	<5	<3	213
TR L22W 5+25S	0.3	2.80	<3	163	<3	0.38	2.5	24	44	50	4.87	0.11	1.25	1039	11	0.09	45	0.05	6	<2	<2	21	<5	<3	151
TR L23W 0+25N	0.4	3.21	<3	233	<3	0.06	1.1	14	25	49	5.21	0.07	0.60	745	9	0.07	24	0.09	18	<2	<2	26	<5	<3	128
TR L23W 0+75N	0.5	2.58	<3	268	<3	0.08	3.0	13	24	55	5.94	0.08	0.54	857	9	0.07	20	0.12	39	<2	<2	25	<5	<3	102
TR L23W 1+25N	0.5	2.74	<3	819	<3	0.16	2.2	25	22	52	6.66	0.12	0.62	3451	9	0.10	21	0.13	44	<2	<2	54	<5	<3	107
TR L23W 1+75N	0.3	2.47	<3	385	<3	0.26	1.9	21	19	42	4.84	0.09	0.68	1067	9	0.08	19	0.07	36	<2	<2	41	<5	<3	112
TR L23W 2+25N	0.4	2.22	<3	421	<3	0.17	2.2	15	21	54	4.42	0.07	0.69	584	8	0.09	26	0.10	38	<2	<2	38	<5	<3	120
TR L23W 2+75N	0.6	2.16	<3	382	<3	0.13	2.1	11	17	38	4.59	0.06	0.56	541	8	0.07	18	0.10	53	<2	<2	37	<5	<3	102
TR L23W 2+25S	0.2	3.00	<3	125	<3	0.16	2.7	29	21	65	6.32	0.11	0.85	1282	33	0.15	46	0.05	3	<2	<2	20	<5	<3	226
TR L23W 2+75S	0.2	3.69	<3	145	<3	0.14	2.0	26	27	50	5.91	0.10	0.82	1259	16	0.11	38	0.07	<2	<2	<2	9	<5	<3	208
TR L23W 3+25S	0.2	3.90	<3	112	<3	0.25	3.1	33	47	56	6.05	0.13	1.66	2010	14	0.11	54	0.06	<2	<2	<2	14	<5	<3	182
TR L23W 3+75S	0.3	3.41	<3	178	<3	0.34	3.3	22	39	44	5.26	0.12	1.16	1243	13	0.09	43	0.08	<2	<2	<2	23	<5	<3	181
TR L23W 4+25S	0.5	2.79	<3	192	<3	0.34	2.7	24	34	51	5.03	0.11	1.10	1139	11	0.09	42	0.07	4	<2	<2	24	<5	<3	164
TR L24W 0+25N	0.4	2.85	<3	123	<3	0.19	2.0	19	22	45	4.38	0.09	0.74	813	11	0.16	38	0.04	7	<2	<2	16	<5	<3	178
TR L24W 0+75N	0.5	2.86	<3	159	<3	0.26	2.2	24	27	57	4.83	0.10	0.97	876	10	0.12	45	0.07	15	<2	<2	23	<5	<3	202
TR L24W 1+25N	0.5	2.33	<3	154	<3	0.17	3.5	24	19	74	4.99	0.08	0.69	773	13	0.11	46	0.08	58	<2	<2	19	<5	<3	260
TR L24W 1+75N	0.6	2.67	<3	413	<3	0.19	3.1	20	21	53	5.90	0.10	0.80	1078	10	0.10	28	0.12	34	<2	<2	43	<5	<3	129
TR L24W 2+25N	0.4	2.29	<3	135	<3	0.29	3.4	25	18	45	5.61	0.11	0.97	1315	10	0.11	35	0.06	16	<2	<2	14	<5	<3	190
TR L24W 0+25S	0.2	2.76	<3	145	<3	0.23	3.0	18	22	49	3.79	0.09	0.72	878	10	0.16	47	0.04	3	<2	<2	15	<5	<3	202
TR L24W 0+75S	0.1	3.85	<3	119	<3	0.09	2.7	16	18	43	5.41	0.09	0.49	1012	10	0.12	43	0.05	<2	<2	<2	7	<5	<3	228
TR L24W 1+25S	0.2	2.41	<3	166	<3	0.10	2.1	9	15	35	3.25	0.05	0.40	358	11	0.06	33	0.08	6	<2	<2	20	<5	<3	136
TR L24W 1+75S	<0.1	3.65	<3	202	<3	0.18	3.5	33	27	69	6.46	0.12	0.94	2466	26	0.12	54	0.09	10	<2	<2	15	<5	<3	222
TR L24W 2+25S	0.4	4.15	<3	289	<3	0.36	4.7	49	27	80	7.63	0.19	1.04	6045	12	0.23	46	0.12	17	<2	<2	26	<5	<3	278
TR L24W 2+75S	0.2	4.48	<3	255	<3	0.36	4.4	83	39	107	8.02	0.20	1.48	9019	12	0.20	67	0.13	<2	<2	<2	24	<5	<3	299
TR L25W 0+25N	0.1	3.32	<3	76	<3	0.11	2.8	16	21	45	4.45	0.08	0.63	1052	10	0.11	36	0.12	3	<2	<2	8	<5	<3	160
TR L25W 0+75N	0.4	3.55	<3	119	<3	0.35	3.8	41	22	54	7.49	0.16	1.53	2144	10	0.15	43	0.03	9	<2	<2	19	<5	<3	203
TR L25W 1+25N	0.3	2.70	<3	125	<3	0.30	3.8	27	19	45	6.03	0.13	1.12	1515	11	0.13	39	0.04	13	<2	<2	14	<5	<3	203
TR L25W 1+75N	0.9	2.23	<3	131	<3	0.41	4.4	23	17	44	5.56	0.13	1.07	1034	10	0.11	44	0.06	15	<2	<2	25	<5	<3	194
TR L25W 0+25S	0.5	3.44	<3	193	<3	0.19	4.2	42	23	47	5.66	0.11	0.77	3533	10	0.12	41	0.17	17	<2	<2	13	<5	<3	263
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr Box 10 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 07 1990
REPORT#: 900280 GA
JOB#: 900280

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: AUG 22 1990
REPORT COMPLETED: SEPT 07 1990
ANALYSED FOR: Au ICP

INVOICE#: 900280 NA
TOTAL SAMPLES: 67
SAMPLE TYPE: 67 SOIL
REJECTS: DISCARDED

SAMPLES FROM: OREQUEST CONSULTANTS LTD.
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VANCOUVER, BC V5L 1K6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1000 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K6~~
• (604) 251-5656
• FAX (604) 254-5717

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900280 GL JOB NUMBER: 900280 PRIME EQUITIES INC.

SAMPLE #	Au ppb
TR L4+00W 0+00	nd
TR L4+00W 0+50N	5
TR L4+00W 1+00N	nd
TR L4+00W 1+50N	10
TR L4+00W 2+00N	nd
TR L4+00W 2+50N	25
TR L4+00W 3+00N	10
TR L4+00W 3+50N	nd
TR L4+00W 0+50S	15
TR L4+00W 1+00S	20
TR L4+00W 1+50S	5
TR L4+00W 2+00S	nd
TR L5+00W 0+00N	5
TR L5+00W 0+50N	5
TR L5+00W 1+00N	15
TR L5+00W 2+00N	10
TR L5+00W 2+50N	15
TR L5+00W 0+50S	nd
TR L5+00W 1+50S	nd
TR L5+00W 2+00S	10
TR L5+00W 2+50S	20
TR L5+00W 3+00S	15
TR L6+00W 0+00SL	10
TR L6+00W 0+50N	15
TR L6+00W 0+50S	5
TR L6W 1+00N	10
TR L6W 1+50N	nd
TR L6W 2+00N	15
TR L6W 2+50N	5
TR L6W 3+00N	5
TR L6W 3+50N	10
TR L6W 4+00N	15
TR L6W 4+50N	20
TR L6W 5+00N	5
TR L6W 5+50N	nd
TR L6W 6+00N	10
TR L7W 2+00N	nd
TR L7W 2+50N	5
TR L7W 3+00N	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
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REPORT NUMBER: 900240 GA JOB NUMBER: 900240 PRIME RESOURCES INC. PAGE 2 OF 2

SAMPLE #	Au ppb
TR L7W 3+50N	nd
TR L7W 4+50N	5
TR L7W 5+00N	10
TR L7W 5+50N	10
TR L7W 6+00N	nd
TR L7W 6+50N	20
TR L8W 1+00N	nd
TR L8W 2+00N	20
TR L8W 2+50N	5
TR L8W 3+00N	10
TR L8W 3+50N	nd
TR L8W 4+00N	5
TR L8W 4+50N	5
TR L8W 5+00N	15
TR L8W 5+50N	5
TR L8W 6+00N	25
TR L9W 1+00N	30
TR L9W 1+50N	20
TR L9W 2+00N	20
TR L9W 2+50N	15
TR L9W 3+00N	5
TR L9W 3+50N	5
TR L9W 4+00N	5
TR L9W 4+50N	nd
TR L9W 5+00N	5
TR L9W 5+50N	15
TR L9W 6+00N	15
TR L9W 6+50N	25

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sb, Sr and W.

ANALYST:

REPORT #: 900280 PA | PRIME EQUITY INC. | PROJECT: TANTALUS (TR) | DATE IN: AUG 22 1990 | DATE OUT: SEPT 19 1990 | ATTENTION: MR. JIM FOSTER |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR L4+00N 0+50N	0.6	2.98	<3	785	<3	0.90	4.1	31	56	71	5.90	0.13	1.78	1783	13	<0.01	55	0.21	59	19	16	47	<5	<3	165
TR L4+00N 1+00N	0.1	2.69	<3	308	<3	0.59	2.1	30	30	85	8.04	0.12	1.25	1268	19	<0.01	54	0.20	52	24	14	46	<5	<3	261
TR L4+00N 1+50N	0.4	4.04	<3	684	<3	2.26	1.6	37	92	75	7.38	0.28	2.62	1497	12	<0.01	64	0.21	54	26	20	84	<5	<3	177
TR L4+00N 2+00N	0.1	3.26	<3	539	<3	1.87	0.9	31	75	74	6.60	0.21	2.26	1357	11	<0.01	53	0.22	51	14	19	80	<5	<3	172
TR L4+00N 2+50N	0.1	3.74	<3	560	<3	0.98	1.4	39	81	83	7.92	0.17	2.42	1694	12	<0.01	65	0.26	66	25	19	59	<5	<3	193
TR L4+00N 3+00N	0.3	4.06	<3	482	<3	1.03	1.7	45	75	103	9.28	0.18	2.54	1937	14	<0.01	63	0.30	73	39	20	66	<5	<3	218
TR L4+00N 3+50N	0.4	3.48	<3	427	<3	0.94	0.7	37	72	79	7.36	0.18	2.34	1657	12	<0.01	57	0.24	71	33	19	51	7	<3	202
TR L4+00N 0+50S	0.2	2.99	<3	536	<3	1.40	1.1	31	58	71	7.35	0.17	2.05	1512	10	<0.01	38	0.24	53	12	16	61	<5	<3	162
TR L4+00N 1+00S	0.4	3.32	<3	731	<3	0.86	1.3	42	21	110	8.95	0.16	1.91	2697	20	<0.01	29	0.25	121	25	16	50	<5	<3	248
TR L4+00N 1+50S	0.3	3.04	<3	417	<3	0.63	1.5	37	21	85	8.42	0.12	1.93	1955	13	<0.01	29	0.25	104	29	17	34	<5	<3	235
TR L4+00N 2+00S	0.1	3.11	<3	530	<3	0.62	1.6	40	16	81	7.99	0.14	1.76	2145	14	<0.01	21	0.22	84	26	17	34	<5	<3	195
TR L5+00N 0+00N	0.1	2.96	<3	423	<3	0.82	0.6	36	42	87	8.44	0.15	1.54	1760	13	0.01	45	0.27	59	20	17	50	<5	<3	203
TR L5+00N 0+50N	0.2	3.40	<3	583	<3	1.10	1.4	33	67	72	7.27	0.18	2.06	1426	12	<0.01	50	0.25	67	20	17	62	<5	<3	181
TR L5+00N 1+00N	0.3	3.80	<3	590	<3	1.11	1.1	38	75	93	8.21	0.17	2.43	1836	13	<0.01	49	0.29	132	36	19	80	<5	<3	246
TR L5+00N 2+00N	0.1	3.01	<3	268	<3	0.94	0.3	30	38	88	6.96	0.17	1.55	1150	12	0.01	42	0.24	59	20	19	56	<5	<3	167
R L5+00N 2+50N	0.2	3.34	<3	366	<3	0.91	1.1	33	43	84	7.81	0.13	2.12	1592	13	<0.01	44	0.26	58	22	18	44	<5	<3	212
R L5+00N 0+50S	0.2	3.03	<3	344	<3	1.16	0.7	38	66	95	8.20	0.19	2.00	1493	12	<0.01	44	0.22	52	26	16	67	<5	<3	162
R L5+00N 1+50S	0.3	3.03	<3	449	<3	1.26	0.8	35	62	75	7.77	0.17	2.03	1456	12	<0.01	44	0.26	59	20	16	62	<5	<3	172
R L5+00N 2+00S	0.6	3.45	<3	755	<3	1.10	2.7	37	28	84	8.32	0.17	2.08	2227	15	<0.01	31	0.24	144	28	14	51	<5	<3	334
R L5+00N 2+50S	0.8	2.98	22	832	<3	0.71	1.8	50	16	130	9.82	0.16	1.66	3662	26	<0.01	24	0.25	138	37	16	57	<5	<3	275
R L5+00N 3+00S	0.7	2.78	<3	729	<3	0.54	2.7	52	10	106	9.87	0.14	1.36	3892	21	<0.01	30	0.26	179	32	15	36	<5	<3	337
R L6+00N 0+00N	0.2	4.11	<3	370	<3	2.68	0.3	42	69	110	8.98	0.30	2.80	1895	13	<0.01	53	0.27	61	30	19	84	<5	<3	235
R L6+00N 0+50N	0.2	3.74	<3	495	<3	1.09	1.3	41	57	103	8.77	0.17	2.50	1762	13	<0.01	50	0.26	75	34	20	57	<5	<3	241
R L6+00N 0+50S	0.3	3.96	<3	359	<3	1.17	2.0	43	64	99	9.58	0.18	2.37	1884	17	0.04	65	0.28	60	34	23	86	<5	<3	246
R L6N 1+00W	0.3	3.10	<3	447	<3	0.86	2.1	29	40	79	7.23	0.13	1.92	1323	13	<0.01	44	0.25	62	25	17	43	<5	<3	196
R L6N 1+50N	0.5	3.32	6	378	<3	0.92	0.8	32	44	85	7.89	0.13	2.05	1385	13	<0.01	44	0.28	68	28	17	42	<5	<3	200
R L6N 2+00N	0.5	3.07	<3	274	<3	0.96	1.1	31	36	75	6.90	0.14	1.92	1261	13	0.04	43	0.23	66	19	17	63	<5	<3	174
R L6N 2+50N	0.5	3.13	<3	350	<3	0.75	<0.1	29	40	77	7.74	0.12	1.93	1303	13	<0.01	44	0.25	64	24	18	39	<5	<3	176
R L6N 3+00N	0.4	2.73	25	285	<3	0.80	0.7	27	35	71	6.70	0.13	1.62	1167	12	0.01	41	0.25	64	26	14	47	<5	<3	176
R L6N 3+50N	0.3	2.83	16	147	<3	0.42	0.5	36	24	74	7.65	0.12	1.15	1265	14	0.06	38	0.22	71	29	15	44	<5	<3	225
R L6N 4+00N	0.2	3.66	26	201	<3	0.07	0.8	37	21	63	>10.00	0.11	0.63	2408	16	<0.01	20	0.24	140	41	17	16	<5	<3	282
R L6N 4+50N	0.3	1.51	129	201	<3	0.12	1.3	32	10	57	7.11	0.08	0.12	1800	14	<0.01	26	0.24	82	9	8	9	<5	<3	271
R L6N 5+00N	0.2	2.20	271	184	<3	0.33	1.3	33	17	68	8.00	0.09	0.71	1526	13	<0.01	28	0.21	108	20	12	42	<5	<3	390
R L6N 5+50N	0.4	6.84	<3	131	<3	2.11	0.1	43	54	101	8.62	0.29	2.33	2215	18	0.04	67	0.32	84	52	29	212	<5	<3	273
R L6N 6+00N	0.1	4.15	16	148	<3	0.13	2.3	44	40	77	9.36	0.09	1.46	2714	33	<0.01	86	0.19	163	38	19	20	<5	<3	709
R L7N 2+00N	0.3	2.88	3	365	<3	0.77	0.9	24	36	64	6.50	0.11	1.79	1093	11	<0.01	35	0.21	59	20	16	36	<5	<3	176
R L7N 2+50N	0.1	3.16	21	132	<3	0.07	0.4	26	18	57	7.69	0.10	0.79	1885	17	0.03	31	0.20	77	30	14	24	<5	<3	227
R L7N 3+00N	0.1	4.01	17	116	<3	0.03	<0.1	18	21	43	6.38	0.04	0.66	549	16	0.02	19	0.17	79	31	16	21	<5	<3	158
R L7N 3+50N	0.1	1.55	178	607	<3	0.40	4.0	57	8	133	>10.00	0.11	0.49	2018	15	<0.01	26	0.28	117	24	11	32	<5	<3	430
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	10000	10.00	10000	1000	1000	10000	1000	1000	10000

- Less Than Minimum

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phn(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

REPORT #: 900280 PA | PRIME EQUITY INC. | PROJECT: TANTALUS (TR) | DATE IN: AUG 22 1990 | DATE OUT: SEPT 19 1990 | ATTENTION: MR. JIM FOSTER | ANALYST: | PAGE 2 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
R L7W 4+50N	0.5	2.76	<3	180	<3	0.81	1.2	28	43	59	6.64	0.15	1.09	1340	11	0.16	57	0.27	62	22	17	69	<5	<3	160
R L7W 5+00N	1.0	5.33	<3	162	<3	0.63	0.2	18	28	55	6.52	0.13	0.83	1437	14	0.40	30	0.16	75	43	22	87	<5	<3	196
R L7W 5+50N	0.7	3.57	<3	52	<3	0.14	<0.1	5	30	28	3.05	<0.01	0.20	198	11	0.10	13	0.14	66	22	14	21	<5	<3	93
R L7W 6+00N	0.5	2.49	24	75	<3	0.06	1.5	28	17	77	7.15	0.06	0.52	1590	18	<0.01	36	0.19	69	21	14	12	<5	<3	265
R L7W 6+50N	<0.1	3.35	90	393	<3	0.34	<0.1	38	29	64	9.50	0.12	0.67	3312	13	<0.01	43	0.32	67	31	16	30	<5	<3	219
R L8W 1+00N	0.5	2.57	3	355	<3	0.63	1.1	24	32	72	6.48	0.08	1.50	1149	14	<0.01	35	0.21	71	12	14	33	<5	<3	193
R L8W 2+00N	0.5	3.80	<3	226	<3	0.07	0.9	20	26	48	6.67	0.05	0.81	1175	15	0.03	17	0.22	111	32	16	25	<5	<3	174
R L8W 2+50N	0.5	1.75	92	410	<3	0.23	1.5	45	14	77	8.34	0.09	0.66	1472	15	<0.01	23	0.15	86	25	11	28	<5	<3	193
R L8W 3+00N	<0.1	1.86	24	287	<3	0.44	1.9	27	21	56	5.78	0.03	0.76	870	10	<0.01	39	0.18	73	11	11	45	<5	<3	195
R L8W 3+50N	<0.1	2.88	<3	217	<3	0.31	1.4	27	47	67	6.81	0.10	1.15	2261	13	0.02	44	0.20	59	21	13	33	<5	<3	177
R L8W 4+00N	<0.1	2.31	<3	106	<3	0.06	0.2	3	30	18	3.69	<0.01	0.08	180	7	<0.01	4	0.18	53	4	10	15	<5	<3	46
R L8W 4+50N	<0.1	4.20	17	113	<3	0.73	0.3	32	38	74	7.34	0.10	1.28	1826	12	<0.01	41	0.24	85	27	18	90	<5	<3	196
R L8W 5+00N	<0.1	2.79	<3	169	<3	0.33	1.1	17	44	30	3.18	0.01	0.54	1253	9	<0.01	18	0.21	51	6	11	23	<5	<3	113
R L8W 5+50N	<0.1	3.52	3	152	<3	0.38	0.3	19	37	51	5.67	0.08	0.92	774	13	0.15	29	0.21	80	26	14	46	<5	<3	168
R L8W 6+00N	1.4	4.89	<3	177	<3	0.12	0.2	38	38	95	9.64	0.08	1.15	1955	15	<0.01	43	0.14	81	51	25	16	<5	<3	257
L9W 1+00N	0.1	2.84	17	467	<3	0.04	<0.1	7	11	23	5.17	<0.01	0.39	569	10	0.04	1	0.27	98	15	14	60	<5	<3	83
L9W 1+50N	<0.1	2.74	26	536	<3	0.11	<0.1	20	13	33	7.09	0.05	0.80	2320	13	<0.01	6	0.32	102	21	13	52	<5	<3	163
L9W 2+00N	<0.1	3.07	17	225	<3	0.02	<0.1	7	13	22	6.89	0.03	0.31	601	13	<0.01	<1	0.19	93	25	15	33	<5	<3	111
L9W 2+50N	<0.1	3.39	45	309	<3	0.27	1.3	34	24	88	8.99	0.07	1.02	1548	14	<0.01	25	0.26	84	34	19	53	<5	<3	271
L9W 3+00N	<0.1	3.49	<3	415	<3	0.66	0.5	33	74	53	8.67	0.11	1.15	2626	10	<0.01	53	0.30	57	25	16	48	<5	<3	177
L9W 3+50N	<0.1	1.86	70	247	<3	0.26	0.9	26	26	52	6.65	0.06	0.35	2038	14	<0.01	54	0.21	51	13	10	24	<5	<3	233
L9W 4+00N	<0.1	1.85	66	227	<3	0.20	0.4	27	32	33	6.68	0.07	0.31	1994	15	<0.01	49	0.22	48	8	11	19	<5	<3	236
L9W 4+50N	<0.1	2.06	264	843	<3	1.15	<0.1	57	65	60	8.95	0.21	0.38	6835	9	<0.01	103	0.46	47	14	13	49	<5	<3	149
L9W 5+00N	<0.1	3.34	4	621	<3	0.90	0.2	50	69	83	8.72	0.15	1.52	6862	11	<0.01	61	0.34	56	30	17	58	<5	<3	172
L9W 5+50N	0.5	4.71	<3	290	<3	1.11	<0.1	41	70	101	8.90	0.17	2.36	1816	12	<0.01	47	0.27	73	36	26	90	<5	<3	234
L9W 6+00N	<0.1	4.84	<3	153	<3	0.50	<0.1	24	57	65	6.71	0.06	1.26	1930	13	<0.01	34	0.30	95	27	21	51	<5	<3	194
L9W 6+50N	<0.1	3.76	24	287	<3	0.30	2.1	51	27	144	9.31	0.10	1.46	1327	19	<0.01	52	0.19	72	34	17	33	<5	<3	555
L4+00N 0+00	<0.1	2.92	<3	497	<3	1.22	<0.1	31	54	64	7.44	0.18	2.02	1388	10	<0.01	25	0.23	52	16	16	55	<5	<3	163
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD
BATHURST, N.B
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PRIME EQUITIES INC.
ADDRESS: 10th Flr 808 W. Hastings St.
: Vancouver, BC
: V6C 2X6

DATE: SEPT 13 1990
REPORT#: 900400 GA
JOB#: 900400

PROJECT#: TANTALUS (TR)
SAMPLES ARRIVED: SEPT 06 1990
REPORT COMPLETED: SEPT 13 1990
ANALYSED FOR: Au ICP

INVOICE#: 900400 NA
TOTAL SAMPLES: 31
SAMPLE TYPE: 31 SOIL & SILT
REJECTS: DISCARDED

SAMPLES FROM: MR. W. RAVEN - OREQUEST CONSULTANTS
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1966 TRIUMPH ST~~
~~VANCOUVER, B.C. V5L 1K5~~
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900400 GA JOB NUMBER: 900400 PRIME EQUITIES INC. PAGE 1 OF 1

SAMPLE #	Au ppb
TR L6W 1+50S	nd
TR L7W 0+50S	nd
TR L9W 0+50S	nd
TR L9W 1+00S	nd
TR L10W BL 0+00N	nd
TR L10W 0+50N	nd
TR L10W 1+50N	nd
TR L10W 2+00N	nd
TR L10W 2+50N	nd
TR L10W 3+00N	nd
TR L10W 3+50N	nd
TR L10W 5+50N	nd
TR L10W 0+50S	nd
TR L10W 1+00S	nd
TR L10W 1+50S	nd
TR L11W 0+00N	nd
TR L11W 0+50N	nd
TR L11W 1+00N	nd
TR L11W 1+50N	nd
TR L11W 2+00N	nd
TR L11W 2+50N	nd
TR L11W 3+00N	nd
TR L11W 3+50N	nd
TR L11W 4+00N	nd
TR L11W 4+50N	nd
TR L11W 5+00N	nd
TR L11W 0+50S	nd
TR L11W 1+00S	nd
TR L12W 0+50N	nd
TR L12W 1+00N	nd
TR S-351	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(6041254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900490 PA | PRIME EQUITIES INC. | PROJECT: TANTALUS (TR) | DATE IN: SEPT 06 1990 | DATE OUT: OCT 05 1990 | ATTENTION: MR. GEORGE CAVEY | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR L6W 1+50S	0.1	2.23	<3	553	<3	1.16	3.6	21	54	45	4.81	0.17	1.44	824	7	0.06	39	0.10	22	<2	11	45	<5	<3	101
TR L7W 0+50S	0.1	1.20	<3	300	<3	0.30	6.8	22	33	102	>10.00	0.19	1.17	941	15	0.09	36	0.22	63	23	16	21	<5	<3	179
TR L9W 0+50S	0.7	1.20	<3	227	<3	0.03	3.7	8	17	33	6.97	0.07	0.58	355	9	0.05	13	0.12	139	7	8	56	<5	<3	77
TR L9W 1+00S	2.0	0.26	<3	>1000	<3	<0.01	2.2	<1	5	10	2.05	<0.01	0.09	59	6	0.01	5	0.03	105	66	2	72	<5	<3	36
TR L10W BL 0+00N	0.5	1.50	<3	437	<3	0.24	3.6	11	12	23	6.43	0.10	0.63	478	9	0.08	13	0.21	57	10	10	71	<5	<3	72
TR L10W 0+50N	0.2	1.93	<3	514	<3	0.03	3.0	8	11	20	5.96	0.07	0.43	914	7	0.08	11	0.14	51	2	10	59	<5	<3	85
TR L10W 1+50N	0.5	2.06	<3	339	<3	0.15	2.8	15	13	32	5.86	0.08	0.55	990	9	0.08	14	0.19	51	<2	11	64	<5	<3	89
TR L10W 2+00N	0.3	1.54	<3	329	<3	0.13	2.1	9	12	27	4.62	0.06	0.56	429	7	0.05	11	0.11	54	<2	8	43	<5	<3	61
TR L10W 2+50N	<0.1	2.30	<3	399	<3	0.12	3.0	21	24	41	6.28	0.08	0.67	1477	6	0.06	25	0.13	44	<2	10	31	<5	<3	116
TR L10W 3+00N	0.2	1.68	<3	159	<3	0.09	3.0	19	13	32	4.08	0.04	0.33	1628	12	0.05	21	0.09	53	<2	6	37	<5	<3	197
TR L10W 3+50N	<0.1	1.52	<3	>1000	<3	0.45	2.5	16	19	23	4.67	0.11	0.38	1908	4	0.07	18	0.15	27	<2	7	28	<5	<3	96
TR L10W 5+50N	<0.1	3.97	<3	405	<3	0.22	3.4	30	41	65	5.87	0.11	1.07	4705	10	0.10	37	0.13	42	<2	15	32	<5	<3	137
TR L10W 0+50S	0.2	1.34	<3	213	<3	0.06	2.6	11	14	34	4.08	0.04	0.51	439	7	0.04	4	0.08	67	<2	8	27	<5	<3	64
TR L10W 1+00S	0.3	1.15	<3	221	<3	0.05	2.1	8	13	34	5.08	0.06	0.43	282	7	0.04	4	0.10	93	<2	8	28	<5	<3	59
TR L10W 1+50S	0.3	0.84	<3	694	<3	0.03	1.5	5	10	24	4.14	0.04	0.39	175	5	0.03	<1	0.06	48	<2	6	23	<5	<3	56
TR L11W 0+00N	0.7	0.57	<3	257	<3	0.04	1.4	3	2	7	4.26	0.05	0.20	121	6	0.06	<1	0.13	61	<2	5	70	<5	<3	31
TR L11W 0+50N	0.3	0.60	<3	369	<3	<0.01	1.5	3	5	9	3.74	0.03	0.26	126	7	0.04	<1	0.08	61	<2	5	36	<5	<3	28
TR L11W 1+00N	0.4	1.06	<3	341	<3	0.21	1.5	8	8	18	4.30	0.07	0.47	211	6	0.06	1	0.08	56	<2	8	52	<5	<3	36
TR L11W 1+50N	0.4	2.15	<3	283	<3	<0.01	1.8	9	11	24	5.36	0.05	0.42	593	9	0.06	1	0.14	55	2	11	44	<5	<3	84
TR L11W 2+00N	0.1	1.54	<3	292	<3	<0.01	2.4	14	8	27	5.02	0.06	0.43	688	8	0.07	<1	0.11	61	<2	8	52	<5	<3	95
TR L11W 2+50N	0.2	1.43	<3	211	<3	<0.01	0.5	3	9	14	2.29	0.03	0.29	127	6	0.04	<1	0.08	38	<2	6	23	9	<3	38
TR L11W 3+00N	0.2	2.41	<3	227	<3	0.79	2.5	25	10	36	5.55	0.16	1.10	730	9	0.14	7	0.11	41	<2	16	102	<5	<3	80
TR L11W 3+50N	<0.1	1.51	<3	573	<3	0.02	0.7	12	13	20	4.43	0.06	0.37	570	13	0.05	1	0.08	39	<2	7	86	<5	<3	78
TR L11W 4+00N	<0.1	0.90	<3	86	<3	0.02	0.7	6	7	11	2.76	0.04	0.22	196	8	0.04	<1	0.05	24	<2	5	16	9	<3	27
TR L11W 4+50N	<0.1	1.17	<3	229	<3	0.22	2.8	13	13	25	4.15	0.08	0.31	1000	13	0.06	3	0.07	61	<2	7	22	<5	<3	182
TR L11W 5+00N	<0.1	2.80	<3	417	<3	0.31	2.7	27	46	43	6.17	0.12	0.98	1983	8	0.07	32	0.14	33	<2	12	37	<5	<3	116
TR L11W 0+50S	0.3	1.08	<3	372	<3	<0.01	0.9	8	9	27	4.15	0.04	0.36	303	5	0.04	<1	0.09	62	<2	7	38	<5	<3	50
TR L11W 1+00S	0.4	0.93	<3	243	<3	0.12	1.5	4	<1	8	4.93	0.07	0.49	368	8	0.05	<1	0.25	139	<2	7	98	<5	<3	64
TR L12W 0+50N	0.5	0.64	<3	329	<3	<0.01	1.2	2	<1	6	5.08	0.05	0.33	227	8	0.03	<1	0.09	117	2	6	57	<5	<3	36
TR L12W 1+00N	0.3	0.61	<3	195	<3	0.05	1.9	6	<1	9	6.60	0.08	0.33	215	6	0.06	<1	0.24	59	8	8	86	12	<3	47
TR S-351	23.0	0.45	528	93	<3	0.09	14.6	8	<1	117	9.05	0.12	0.04	3532	24	0.06	<1	0.14	8373	78	8	46	<5	<3	356
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd
10th Floor, Box 10-808 West Hastings St
Vancouver, B.C.
V6C 2X6

REPORT No. S9819

INVOICE #: 15276
P.O.: R-2298

SAMPLE(S) OF: Soil

W. Raven
Project TR - Tantalus

REMARKS: OreQuest Consultants

	Au ppb
LOW 3+00N	120
LOW 2+50N	85
LOW 1+50N	140
LOW 1+00N	30
LOW 0+50N	30
LOW 0+00	15
LOW 0+50S	35
LOW 1+00S	170
LOW 1+50S	90
L1W 3+50N	30
L1W 3+00N	80
L1W 2+50N	35
L1W 2+00N	110
L1W 1+50N	35
L1W 1+00N	130
L1W 0+50N	45
L1W 0+00	160
L1W 0+50S	30
L1W 1+00S	150
L1W 1+50S	60

COPIES TO: J. Foster, P. Lougheed
INVOICE TO: Prime - Vancouver

Sep 10/90

SIGNED Bernie Oven

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
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Vancouver, B.C.
V6C 2X6

REPORT No. S9819

INVOICE #: 15276
P.O.: R-2298

SAMPLE(S) OF: Soil

W. Raven
Project TR - Tantalus

REMARKS: OreQuest Consultants

	Au ppb
L1W 2+00S	35
L1W 2+50S	25
L1W 3+00S	25
L1W 3+50S	75
L2W 3+50N	110
L2W 3+00N	150
L2W 2+50N	120
L2W 1+00N	210
L2W 0+50N	290
L3W 4+50N	110
L3W 4+00N	50
L3W 3+50N	210
L3W 3+00N	50
L3W 2+50N	70
L3W 2+00N	110
L3W 1+50N	35
L3W 1+00N	250
L3W 0+50N	220
L3W 0+00	140
L3W 1+00S	60

COPIES TO: J. Foster, P. Lougheed
INVOICE TO: Prime - Vancouver

Sep 10/90

SIGNED Bernice Quinn

CTA

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd
10th Floor, Box 10-808 West Hastings St
Vancouver, B.C.
V6C 2X6

REPORT No.
S9819

INVOICE #: 15276
P.O.: R-2298

SAMPLE(S) OF Soil

W. Raven
Project TR - Tantalus

REMARKS: OreQuest Consultants

	Au ppb
L3W 1+50S	45

COPIES TO: J. Foster, P. Lougheed
INVOICE TO: Prime - Vancouver

Sep 10/90

SIGNED Bernie Dunn

CTA

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9619 - 1
T.S.L. File No. : SE12MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS OREQUEST CONSULTANTS A-2298

ALL RESULTS PPM

ELEMENT		LOW 3+00N	LOW 2+50N	LOW 1+50N	LOW 1+00N	LOW 0+50N	LOW 0+00	LOW 0+50S	LOW 1+00S
Aluminum	[Al]	15000	14000	15000	24000	24000	17000	22000	20000
Iron	[Fe]	38000	40000	35000	36000	34000	35000	36000	32000
Calcium	[Ca]	4200	3500	3000	1600	720	2300	1800	2700
Magnesium	[Mg]	5700	5200	5900	5600	3800	5600	5800	5700
Sodium	[Na]	200	340	120	150	300	130	160	720
Potassium	[K]	740	710	400	530	520	590	660	790
Titanium	[Ti]	390	370	240	1200	1100	1100	1500	1400
Manganese	[Mn]	980	1400	770	680	1400	930	780	660
Phosphorus	[P]	1100	660	850	950	830	1000	980	710
Barium	[Ba]	290	390	200	110	120	120	110	96
Chromium	[Cr]	30	16	55	36	36	16	20	18
Zirconium	[Zr]	6	7	5	5	5	5	6	4
Copper	[Cu]	41	58	35	22	16	30	49	25
Nickel	[Ni]	20	11	26	21	17	19	20	18
Lead	[Pb]	45	42	21	26	22	27	23	31
Zinc	[Zn]	120	110	83	94	70	110	88	96
Vanadium	[V]	54	51	52	72	58	49	67	55
Strontium	[Sr]	21	21	13	12	7	15	14	25
Cobalt	[Co]	15	18	13	12	9	13	15	12
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	15	5	5	< 5	< 5	10	< 5	< 5
Yttrium	[Y]	11	11	9	6	6	11	9	8
Scandium	[Sc]	4	5	4	3	1	5	5	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	40	30	30	20	30	30	30
Arsenic	[As]	30	35	15	25	30	25	70	25
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	10	15	5	15	20	15
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10

DATE : SEP-12-1990

SIGNED : Denis Pilipiuk

T S L LABORATORIES
3-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9819 - I
T.S.L. File No. : SE12MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS GREGUEST CONSULTANTS R-2296

ALL RESULTS PPM

ELEMENT		L0W 1+50S	L1W 2+50N	L1W 3+00N	L1W 2+50N	L1W 2+00N	L1W 1+50N	L1W 1+00N	L1W 0+50N
Aluminum	[Al]	16000	22000	16000	16000	17000	15000	15000	21000
Iron	[Fe]	33000	37000	38000	39000	37000	35000	37000	37000
Calcium	[Ca]	2000	760	3300	4300	5400	3200	3000	2500
Magnesium	[Mg]	5500	3800	5800	5800	5900	5800	5900	6400
Sodium	[Na]	280	100	100	90	90	100	100	100
Potassium	[K]	680	400	650	760	910	720	330	590
Titanium	[Ti]	1100	1700	280	290	270	310	310	900
Manganese	[Mn]	720	520	920	1000	980	920	800	850
Phosphorus	[P]	750	640	1000	1100	940	890	960	850
Barium	[Ba]	200	82	240	350	420	310	200	110
Chromium	[Cr]	16	16	21	24	15	14	12	43
Zirconium	[Zr]	8	6	6	9	8	6	6	7
Copper	[Cu]	32	23	38	46	42	41	36	52
Nickel	[Ni]	18	12	14	16	10	9	9	31
Lead	[Pb]	89	26	47	49	27	38	27	38
Zinc	[Zn]	120	71	130	140	98	95	85	140
Vanadium	[V]	44	92	54	53	58	54	54	60
Strontium	[Sr]	22	11	14	20	19	14	12	10
Cobalt	[Co]	12	8	15	16	15	13	14	17
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	10	< 5	5	< 5	10	< 5	5	10
Yttrium	[Y]	11	5	10	11	10	9	10	15
Scandium	[Sc]	4	2	4	5	5	4	4	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	20	30	30	30	40	30	40
Arsenic	[As]	25	25	25	30	30	30	10	40
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	15	10	10	10	10	10	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-12-1990

SIGNED : Dennis Pilgrich

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 5A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9819 - I
T.S.L. File No. : SE12MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS GREQUEST CONSULTANTS R-2298

ALL RESULTS PPM

ELEMENT		L1W 0+00	L1W 0+50S	L1W 1+00S	L1W 1+50S	L1W 2+00S	L1W 2+50S	L1W 3+00S	L1W 3+50S
Aluminum	[Al]	25000	21000	19000	21000	18000	17000	18000	21000
Iron	[Fe]	39000	32000	36000	39000	39000	35000	36000	41000
Calcium	[Ca]	3400	1500	2100	2000	2400	760	5100	2700
Magnesium	[Mg]	7200	5300	5800	5900	5500	4200	6000	6900
Sodium	[Na]	260	230	460	160	120	240	2600	710
Potassium	[K]	790	630	700	740	640	690	1400	830
Titanium	[Ti]	1300	1300	1400	590	220	410	2400	900
Manganese	[Mn]	1100	650	770	990	1000	730	500	1400
Phosphorus	[P]	1100	670	900	950	1100	720	650	880
Barium	[Ba]	190	98	100	140	220	150	74	160
Chromium	[Cr]	110	21	18	21	17	13	15	41
Zirconium	[Zr]	7	7	9	5	6	5	14	13
Copper	[Cu]	73	28	40	46	46	34	29	42
Nickel	[Ni]	63	19	23	26	28	16	16	33
Lead	[Pb]	36	38	67	110	77	40	27	19
Zinc	[Zn]	160	98	150	240	150	120	92	110
Vanadium	[V]	74	50	51	62	50	40	65	65
Strontium	[Sr]	17	14	23	18	20	11	51	21
Cobalt	[Co]	23	12	15	16	16	12	13	20
Molybdenum	[Mo]	< 2	< 2	< 2	2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	1	< 1	< 1	1	1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	5	< 5	< 5	5	15	10	< 5	10
Yttrium	[Y]	14	9	11	12	12	14	10	13
Scandium	[Sc]	6	3	4	4	3	3	6	6
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	50	30	30	40	30	40	30
Arsenic	[As]	65	40	40	65	50	35	20	35
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	25	15	20	20	15	10	10	20
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-12-1990

SIGNED : Denis Pilipiak

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
806 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9819 - 4
T.S.L. File No. : SE12MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS GREGUEST CONSULTANTS A-2296

ALL RESULTS PPM

ELEMENT		L2W 3+50N	L2W 3+00N	L2W 2+50N	L2W 1+00N	L2W 0+50N	L3W 4+50N	L3W 4+00N	L3W 3+50N
Aluminum	(Al)	19000	14000	20000	16000	15000	16000	18000	12000
Iron	(Fe)	38000	34000	39000	41000	39000	37000	38000	37000
Calcium	(Ca)	4200	3600	7000	3800	3800	3700	3800	3400
Magnesium	(Mg)	6300	5800	6400	6000	5700	6100	6300	5100
Sodium	(Na)	320	110	120	150	150	160	120	130
Potassium	(K)	980	560	1500	640	570	660	860	730
Titanium	(Ti)	630	480	330	390	440	670	390	280
Manganese	(Mn)	890	840	960	920	930	900	970	810
Phosphorus	(P)	1000	1000	930	940	1100	1000	950	990
Barium	(Ba)	470	440	680	330	320	330	440	320
Chromium	(Cr)	29	22	25	29	24	37	37	29
Zirconium	(Zr)	6	4	9	6	8	9	8	7
Copper	(Cu)	32	32	38	42	44	39	42	35
Nickel	(Ni)	17	13	16	15	16	23	22	19
Lead	(Pb)	26	22	27	30	34	17	17	19
Zinc	(Zn)	98	81	110	100	100	83	88	86
Vanadium	(V)	66	52	65	60	53	62	62	42
Strontium	(Sr)	26	18	29	21	19	18	18	18
Cobalt	(Co)	14	13	15	15	16	16	16	14
Molybdenum	(Mo)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	(Ag)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	(Cd)	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1
Beryllium	(Be)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	(B)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	(Sb)	< 5	< 5	< 5	5	< 5	10	5	< 5
Yttrium	(Y)	11	10	11	11	11	11	11	11
Scandium	(Sc)	5	4	5	5	5	5	5	5
Tungsten	(W)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	(Nb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	(Th)	40	30	40	40	20	30	50	50
Arsenic	(As)	15	15	15	30	25	20	15	25
Bismuth	(Bi)	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5
Tin	(Sn)	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10
Lithium	(Li)	10	10	20	10	10	15	15	5
Holmium	(Ho)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-12-1990

SIGNED : Dennis Pilipiuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1033
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTHN: J. FOSTER

T.S.L. REPORT No. : S - 9819 - 5
T.S.L. File No. : SEI2MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS OREQUEST CONSULTANTS R-2298

ALL RESULTS PPM

ELEMENT		L3W 3+00N	L3W 2+50N	L3W 2+00N	L3W 1+50N	L3W 1+00N	L3W 0+50N	L3W 0+00	L3W 1+00S
Aluminum	[Al]	16000	13000	16000	15000	18000	17000	16000	19000
Iron	[Fe]	37000	35000	35000	36000	35000	38000	38000	37000
Calcium	[Ca]	6900	3800	6000	7600	10000	11000	6100	3300
Magnesium	[Mg]	5900	5400	5600	6100	6300	5800	5700	6500
Sodium	[Na]	120	120	120	160	120	100	110	120
Potassium	[K]	1200	800	1200	680	1300	1400	1100	590
Titanium	[Ti]	250	310	240	400	380	170	280	520
Manganese	[Mn]	840	780	820	730	900	940	1100	990
Phosphorus	[P]	880	1000	910	850	680	850	660	810
Barium	[Ba]	460	350	460	240	520	410	410	230
Chromium	[Cr]	32	26	30	120	22	22	14	32
Zirconium	[Zr]	7	8	6	8	9	7	9	7
Copper	[Cu]	37	34	34	41	34	39	49	43
Nickel	[Ni]	19	15	17	52	13	13	9	21
Lead	[Pb]	13	14	17	22	27	63	30	26
Zinc	[Zn]	84	76	63	89	99	160	100	100
Vanadium	[V]	52	46	47	52	63	57	60	56
Strontium	[Sr]	27	18	24	30	33	36	24	18
Cobalt	[Co]	14	13	13	15	14	14	15	16
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	10	10	< 5	10	5	5
Yttrium	[Y]	10	11	11	9	9	10	10	10
Scandium	[Sc]	5	5	5	4	5	5	5	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	30	30	10	40	30	40	50
Arsenic	[As]	15	15	20	30	10	10	25	35
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	10	15	15	10	10	15
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : SEP-12-1990

SIGNED : Dennis Pilipiuk

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (306) 931 - 1333
FAX #: (306) 242 - 4717

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

PRIME EXPLORATION LTD.
10th Floor Box 10
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9819 - G
T.S.L. File No. : SE12MA
T.S.L. Invoice No. : 15433

PROJECT: TR TANTALUS GREQUEST CONSULTANTS P-2295

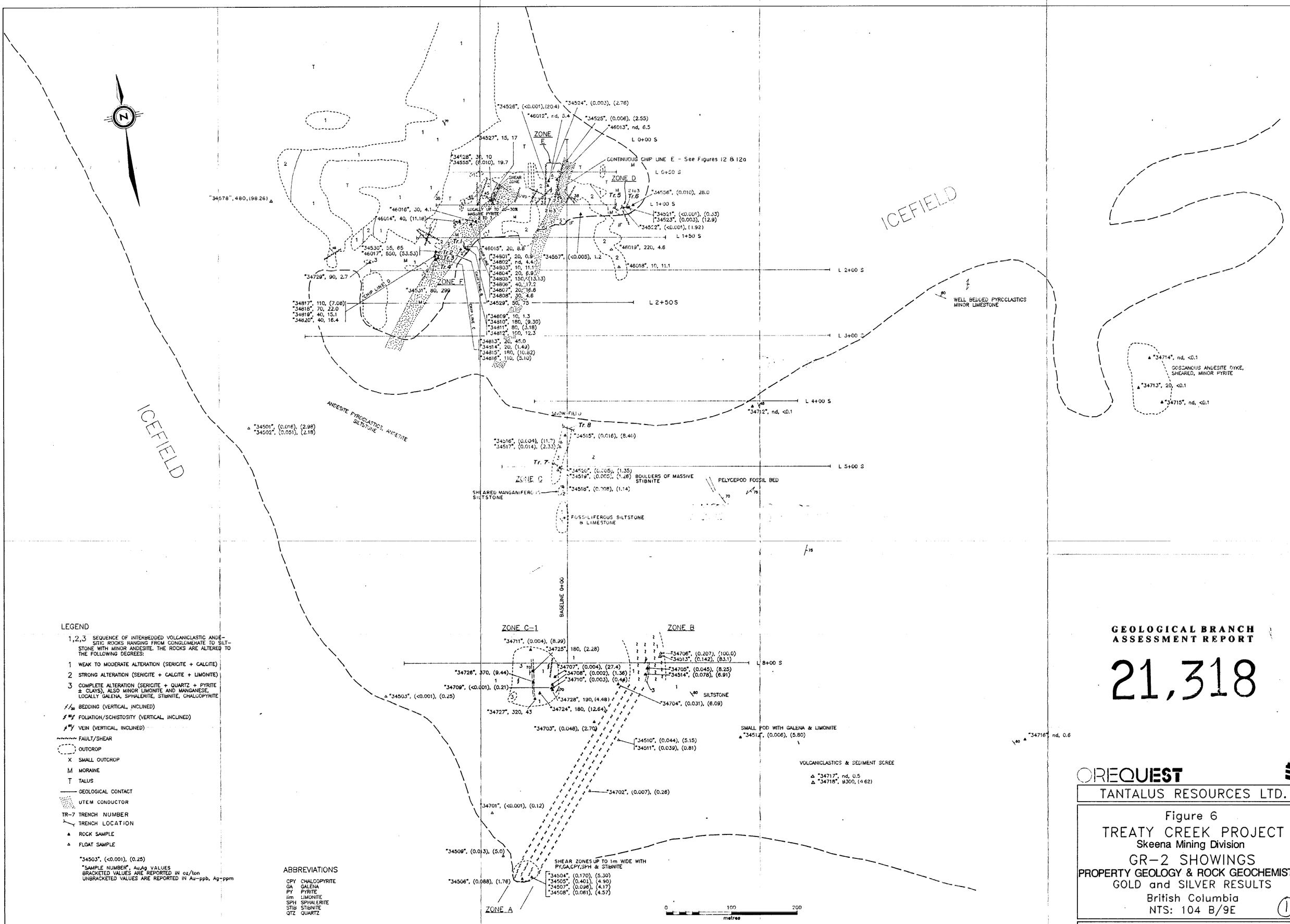
ALL RESULTS PPM

LOW 14506

ELEMENT		
Aluminum	[Al]	20000
Iron	[Fe]	39000
Calcium	[Ca]	4200
Magnesium	[Mg]	6500
Sodium	[Na]	70
Potassium	[K]	950
Titanium	[Ti]	550
Manganese	[Mn]	1100
Phosphorus	[P]	920
Barium	[Ba]	380
Chromium	[Cr]	25
Zirconium	[Zr]	8
Copper	[Cu]	49
Nickel	[Ni]	23
Lead	[Pb]	25
Zinc	[Zn]	100
Vanadium	[V]	61
Strontium	[Sr]	22
Cobalt	[Co]	17
Molybdenum	[Mo]	< 2
Silver	[Ag]	< 1
Cadmium	[Cd]	< 1
Beryllium	[Be]	< 1
Boron	[B]	< 10
Antimony	[Sb]	10
Yttrium	[Y]	12
Scandium	[Sc]	6
Tungsten	[W]	< 10
Niobium	[Nb]	< 10
Thorium	[Th]	50
Arsenic	[As]	45
Bismuth	[Bi]	< 5
Tin	[Sn]	< 10
Lithium	[Li]	15
Holmium	[Ho]	< 10

DATE : SEP-12-1990

SIGNED : Dennis Pelypiuk



LEGEND

1,2,3 SEQUENCE OF INTERBEDDED VOLCANICLASTIC ANDESITIC ROCKS RANGING FROM CONGLOMERATE TO SILTSTONE WITH MINOR ANDESITE. THE ROCKS ARE ALTERED TO THE FOLLOWING DEGREES:

1 WEAK TO MODERATE ALTERATION (SERICITE + CALCITE)

2 STRONG ALTERATION (SERICITE + CALCITE + LIMONITE)

3 COMPLETE ALTERATION (SERICITE + QUARTZ + PYRITE ± CLAYS), ALSO MINOR LIMONITE AND MANGANESE, LOCALLY GALENA, SPHALERITE, STIBNITE, CHALCOPYRITE

BEDDING (VERTICAL, INCLINED)

FOLIATION/SCHISTOSITY (VERTICAL, INCLINED)

VEIN (VERTICAL, INCLINED)

FAULT/SHEAR

OUTCROP

X SMALL OUTCROP

M MORAINE

T TALUS

GEOLOGICAL CONTACT

UTEM CONDUCTOR

TR-7 TRENCH NUMBER

TRENCH LOCATION

▲ ROCK SAMPLE

△ FLOAT SAMPLE

"34503", (<0.001), (0.25)
"SAMPLE NUMBER", Au,Ag VALUES
BRACKETED VALUES ARE REPORTED IN oz/ton
UNBRACKETED VALUES ARE REPORTED IN Au-ppb, Ag-ppm

ABBREVIATIONS

CPY	CHALCOPYRITE
GA	GALENA
PY	PYRITE
lim	LIMONITE
SPH	SPHALERITE
STIB	STIBNITE
QTZ	QUARTZ

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,318

OREQUEST

TANTALUS RESOURCES LTD.

Figure 6

TREATY CREEK PROJECT

Skeena Mining Division

GR-2 SHOWINGS

PROPERTY GEOLOGY & ROCK GEOCHEMISTRY

GOLD and SILVER RESULTS

British Columbia

NTS: 104 B/9E (1)

NOVEMBER 1990 Drafting RWR

N

ICEFIELD

ICEFIELD

(0.10), (3.31), (0.05)
160, 352, 751
(0.03), (0.89), (0.34)
(0.03), (0.56), (0.17)
97, 478, 81
68, (0.23), (0.15)
69, (0.06), (0.11)
(0.03), (0.28), (0.20)
3191, (11.90), (2.02)
42, 162, 39
512, 16896, 392
(0.04), (0.13), (6.72)
6058, (42.70), (5.18)
(0.02), (0.09), (0.02)
1002, (4.03), 4558
122, 5068, 1935
61, 1577, 3600
135, 11511, 3987
(0.34), (9.16), (8.29)
131, 413, 591
91, 130, 862
149, 417, 899
105, 372, 1041
50, 253, 520
756, (3.22), 8878
33, 367, 869
11, 535, 91
53, 222, 333
(0.02), (1.68), (1.42)
66, 145, 144
125, 92, 791
1436, (2.17), 19606
243, 10720, 6127
21, 1086, 343
82, 798, 1159
117, 3258, 1667
1477, (7.53), 7389
697, (3.31), 4650
75, 427, 117
220, 3378, 737
(0.02), (0.18), (0.16)
(0.01), (0.04), (0.07)
(0.11), (2.66), (3.73)
(0.01), (0.73), (0.56)
CONTINUOUS CHIP LINE E – See Figures 12 & 12a
ZONE E
ZONE D
ZONE F
SHEAR ZONE
LOCALLY IF TO 20–30% MASSIVE PYRITE
CHIP LINE D
CHIP LINE E
CHIP LINE C
Tr. 1
Tr. 2
Tr. 3
Tr. 4
Tr. 5
Tr. 6
L 0+00 S
L 0+50 S
L 1+00 S
L 1+50 S
L 2+00 S
L 2+50S
L 3+00 S
L 4+00 S
L 5+00 S
L 8+00 S
BASELINE 0+00
ANDESITE PYROCLASTICS, ANDESITE SILTSTONE
(1.93), (0.02), (0.04)
(1.38), (0.01), (0.01)
SNOW FIELD
Tr. 8
Tr. 7
(0.07), (1.27), (0.04)
(0.07), (1.55), (0.02)
(0.02), (0.18), (0.14)
(0.02), (<0.01), (<0.01)
(0.02), (<0.01), (0.01)
BOULDERS OF MASSIVE STIBNITE
ZONE C
SHEARED MANGANIFEROUS SILTSTONE
(0.01), (0.04), (0.01)
F. SPHALERITIC SILTSTONE & LIMESTONE
PELYCEPOD FOSSIL BED
<1, 12, 24
WELL BEDDED PYROCLASTICS MINOR LIMESTONE
20, 52, 58
GOSSANOUS ANDESITE DYKE, SHEARED, MINOR PYRITE
35, 40, 50
01, 30, 31
ZONE C–1
ZONE B
(0.07), (2.52), (0.03)
(0.04), (3.28), (0.21)
(0.03), (11.96), (0.13)
(0.01), (0.03), (0.01)
(0.03), (0.58), (0.16)
(0.20), (6.50), (0.29)
(0.05), (0.49), (0.39)
(0.03), (0.05), (0.01)
(0.05), (9.47), (0.08)
(0.04), (16.30), (0.13)
(0.78), (20.7), (1.06)
(0.50), (10.9), (0.08)
(0.07), (0.25), (0.02)
(0.74), (3.99), (0.02)
SILTSTONE
(0.05), (1.07), (0.05)
(0.15), (0.01), (0.01)
(0.04), (0.55), (0.03)
(0.14), (3.21), (1.07)
(0.08), (0.03), (0.04)
(<0.01), (0.02), (0.02)
(<0.01), (0.03), (0.03)
(1.65), (0.19), (0.10)
(0.04), (0.32), (0.04)
SHEAR ZONES UP TO 1m WIDE WITH PY,GA,CPY,SPH & STIBNITE
(0.55), (28.8), (1.64)
(0.79), (11.0), (0.93)
(0.39), (37.4), (15.5)
(0.63), (0.97), (0.33)
ZONE A
SMALL POD WITH GALENA & LIMONITE
(1.05), (11.1), (0.21)
6, 35, 97
VOLCANICLASTICS & SEDIMENT SCREE
17, 21, 37
30, 1731, 45
1cm = 250m
0 100 200
metres

LEGEND

1,2,3 SEQUENCE OF INTERBEDDED VOLCANICLASTIC ANDESITIC ROCKS RANGING FROM CONGLOMERATE TO SILTSTONE WITH MINOR ANDESITE. THE ROCKS ARE ALTERED TO THE FOLLOWING DEGREES:

1 WEAK TO MODERATE ALTERATION (SERICITE + CALCITE)

2 STRONG ALTERATION (SERICITE + CALCITE + LIMONITE)

3 COMPLETE ALTERATION (SERICITE + QUARTZ + PYRITE ± CLAYS), ALSO MINOR LIMONITE AND MANGANESE, LOCALLY GALENA, SPHALERITE, STIBNITE, CHALCOPYRITE

BEDDING (VERTICAL, INCLINED)

FOLIATION/SCHISTOSITY (VERTICAL, INCLINED)

VEIN (VERTICAL, INCLINED)

FAULT/SHEAR

OUTCROP

X SMALL OUTCROP

M MORAINE

T TALUS

GEOLOGICAL CONTACT

UTEM CONDUCTOR

TR-7 TRENCH NUMBER

TRENCH LOCATION

ROCK SAMPLE

FLOAT SAMPLE

(0.15), (0.01), (0.01)
Cu,Pb,Zn VALUES
BRACKETED VALUES ARE REPORTED IN %
UNBRACKETED VALUES ARE REPORTED IN ppm

ABBREVIATIONS

CPY	CHALCOPYRITE
GA	GALENA
PY	PYRITE
lim	LIMONITE
SPH	SPHALERITE
STIB	STIBNITE
QTZ	QUARTZ

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,318

OREQUEST

TANTALUS RESOURCES LTD.

Figure 7

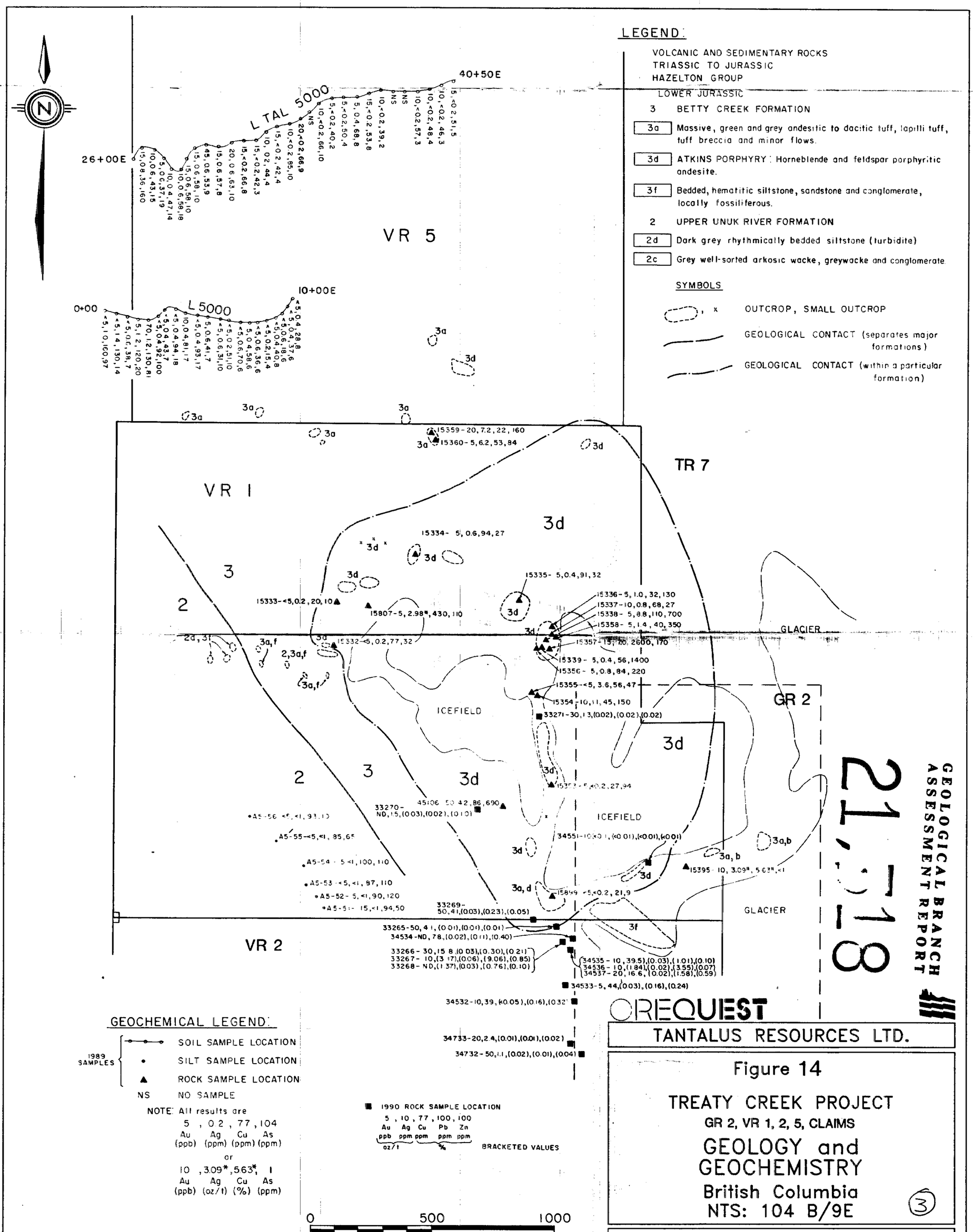
TREATY CREEK PROJECT
Skeena Mining Division

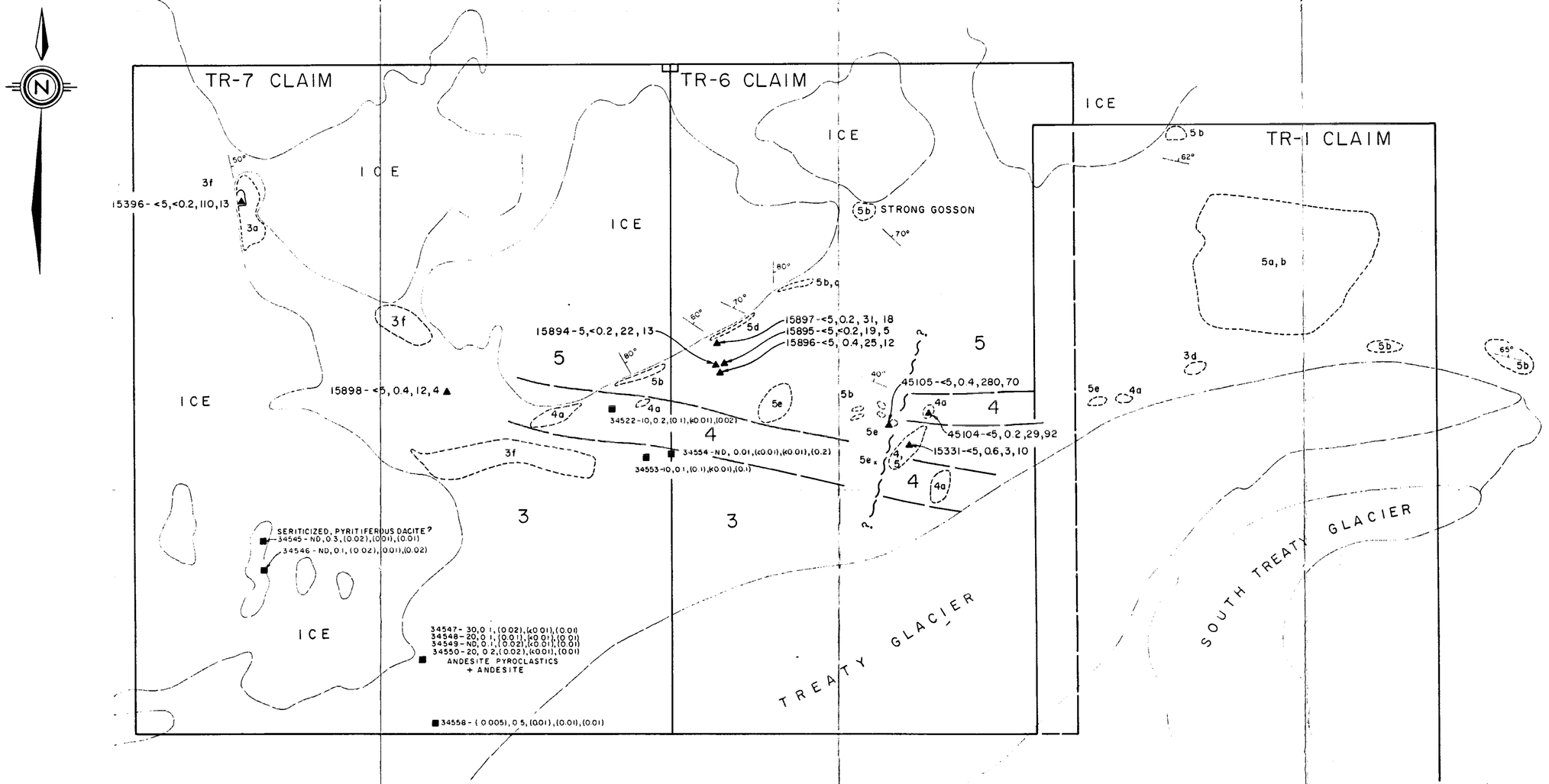
GR–2 SHOWINGS
PROPERTY GEOLOGY & ROCK GEOCHEMISTRY
COPPER, LEAD & ZINC RESULTS

British Columbia
NTS: 104 B/9E

(2)

NOVEMBER 1990 Drafting RWR


LEGEND:
VOLCANIC AND SEDIMENTARY ROCKS
TRIASSIC TO JURASSIC
HAZELTON GROUP
LOWER JURASSIC
3 BETTY CREEK FORMATION
3a Massive, green and grey andesitic to dacitic tuff, lapilli tuff, tuff breccia and minor flows.
3d ATKINS PORPHYRY: Horneblende and feldspar porphyritic andesite.
3f Bedded, hematitic siltstone, sandstone and conglomerate, locally fossiliferous.
2 UPPER UNUK RIVER FORMATION
2d Dark grey rhythmically bedded siltstone (turbidite)
2c Grey well-sorted arkosic wacke, greywacke and conglomerate
SYMBOLS
OUTCROP, SMALL OUTCROP
GEOLOGICAL CONTACT (separates major formations)
GEOLOGICAL CONTACT (within a particular formation)
L TAL 5000
26+00E
40+50E
L 5000
0+00
10+00E
VR 5
VR 1
VR 2
TR 7
GR 2
ICEFIELD
GLACIER
15359-20,7.2,22,160
15360-5,6.2,53,84
15334-5,0.6,94,27
15335-5,0.4,91,32
15336-5,1.0,32,130
15337-10,0.8,68,27
15338-5,8.8,110,700
15358-5,1.4,40,350
15357-15,no.2600,170
15339-5,0.4,56,1400
15356-5,0.8,84,220
15355-<5,3.6,56,47
15354-10,11,45,150
33271-30,13,(0.02),(0.02),(0.02)
15333-<5,0.2,20,10
15807-5,2.98*,430,110
15332-<5,0.2,77,32
33270-ND,15,(0.03),(0.02),(0.10)
33269-50,41,(0.03),(0.23),(0.05)
33265-50,41,(0.01),(0.01),(0.01)
34534-ND,78,(0.02),(0.11),(0.40)
33266-30,158,(0.03),(0.30),(0.21)
33267-10,(3.17),(0.06),(9.06),(0.85)
33268-ND,(1.37),(0.03),(0.76),(0.10)
34535-10,39.5),(0.03),(1.01),(0.10)
34536-10,(1.84),(0.02),(3.55),(0.07)
34537-20,16.6,(0.02),(1.58),(0.59)
34533-5,44,(0.03),(0.16),(0.24)
34532-10,39,(<0.05),(0.16),(0.32)
34733-20,2.4,(0.01),(0.01),(0.02)
34732-50,1.1,(0.02),(0.01),(0.04)
15395-10,3.09*,5.63*,<1
15849-<5,<0.2,21,9
A5-56-<5,<1,93,10
A5-55-<5,<1,85,65
A5-54-5,<1,100,110
A5-53-<5,<1,97,110
A5-52-5,<1,90,120
A5-51-15,<1,94,50
GEOCHEMICAL LEGEND:
1989 SAMPLES
SOIL SAMPLE LOCATION
SILT SAMPLE LOCATION
ROCK SAMPLE LOCATION
NS NO SAMPLE
NOTE: All results are
5, 0.2, 77, 104
Au (ppb) Ag (ppm) Cu (ppm) As (ppm)
or
10, 3.09*, 563*, 1
Au (ppb) Ag (oz/t) Cu (%) As (ppm)
1990 ROCK SAMPLE LOCATION
5, 10, 77, 100, 100
Au ppb Ag ppm Cu ppm Pb ppm Zn ppm
oz/t %
BRACKETED VALUES
0 500 1000
metres
21,718
GEOLOGICAL BRANCH ASSESSMENT REPORT
OREQUEST
TANTALUS RESOURCES LTD.
Figure 14
TREATY CREEK PROJECT
GR 2, VR 1, 2, 5, CLAIMS
GEOLOGY and GEOCHEMISTRY
British Columbia
NTS: 104 B/9E
(3)
January 1991
Drafting: RWR



LEGEND

VOLCANIC AND SEDIMENTARY ROCKS
TRIASSIC TO JURASSIC

MIDDLE JURASSIC: SPATSIZI GROUP

5 SALMON RIVER FORMATION

- 5b Rhythmically bedded siltstone
- 5c Thickly bedded sandstone
- 5d Limestone lenses
- 5e Andesite tuffs

LOWER JURASSIC: HAZELTON GROUP

4 MOUNT DILWORTH FORMATION
Rhyolite to dacitic volcanics including dust, cystal, lithic and lapilli tuffs

- 4a Massive to bedded airfall tuffs

3 BETTY CREEK FORMATION

- 3a Massive, green and grey andesitic to dacitic tuff, lapilli tuff, tuff breccia and minor flows
- 3d Atkins Porphyry: hornblende and feldspar porphyritic andesite
- 3f Bedded, hematitic siltstone, sandstone, and conglomerate; locally fossiliferous

SYMBOLS

- , x Outcrop, small outcrop
- 80° Bedding, inclined
- Geological contact
- Fault, assumed
- ▲ 1989 Rock sample location
- 15331-<5,0.6,3,10 Assay tag no. - Au (ppb), Ag (ppm), Cu (ppm), As (ppm)
- ■ 1990 Rock sample location
- 34545-10,0.1,10,14,17 No, Au ppb, Ag ppm, Cu ppm, Pb ppm, Zn ppm (BRACKETED VALUES)
- □ Legal corner post

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Figure 15

TREATY CREEK PROJECT

TR 1, 6 & 7 CLAIMS

GEOLOGY and ROCK GEOCHEMISTRY

British Columbia
NTS: 104 B/9E

4

January 1991 Drafting: RWR

N

GLACIER

TREATY

TREATY

3b
3f
3f
3b
3b
30
73

33254-20, <1, (0.01), (0.01), (0.01), 210 ppm As

3

3a
3a
3e

3c

TR 1

4b

TR 2

LAKE

4

65

4b, 3f

3a, c

3a, f

3a

33253- <5, <1, (<0.01), (<0.01), (0.01)

L 5 W

L 10 W

L 15 W

4

3c, f

3a

TARN 4

TARN 1

TARN 3

LAKE

TARN 2

3a

60

3a

3a

42

3a x F

Fx Qtz-lim. vein

L 20 W

3a

3a

3a

3

3a

3f

TR 5

3a

3f

3a

3f

Fx 3a

TR 4

3f

TR 3

ICEFIELD

3

ICEFIELD

3f

3a

3f

3f

ICEFIELD

L 25 W

3f

3a

3dx

3f

3a

60

175

3f

3a

3f

3f

3f

ICE

3?

3f

ICEFIELD

75

3a

3f

3c

3a

ICE

5

ICEFIELD

x4a

x3a

3,4

4

?

3f

5d

3a

4

3

75

80

ICEFIELD

5b

5b

75

5c

5b

80

5c

3

4

4

4

3

4

4

3

ICE

3

(SEDIMENTS)

ICE

3

ARG

GREEN SILTSTONE / MUDSTONE

20

50

ARG

83

70

0 500 1000

metres

LEGEND

VOLCANIC AND SEDIMENTARY ROCKS
TRIASSIC TO JURASSIC

MIDDLE JURASSIC: SPATSIZI GROUP

5 SALMON RIVER FORMATION

- 5b Rhythmically bedded siltstone
- 5c Thickly bedded sandstone
- 5d Limestone lenses
- 5e Andesite tuffs

LOWER JURASSIC: HAZELTON GROUP

4 MOUNT DILWORTH FORMATION
Felsic volcanic sequence of dacitic to rhyolitic composition including dust tuff, crystal and lithic tuff.

3 BETTY CREEK FORMATION

- 3a Massive, green and grey andesitic to dacitic tuff, lapilli tuff, tuff breccia and minor flows
- 3b Bedded, heterogeneous, red, green, and grey volcanic breccia, lapilli tuff, crystal and lithic tuff, commonly hematitic.
- 3c Basaltic to andesitic pillow lavas
- 3f Bedded, hematitic siltstone, sandstone, and conglomerate; locally fossiliferous

SYMBOLS

- OUTCROP, SMALL OUTCROP
- FOLIATION (vertical, inclined)
- BEDDING (vertical, inclined)
- FRACTURE "
- VEIN "
- GEOLOGICAL CONTACT
- FAULT
- ALTERATION ZONE: Pyrite–quartz–sericite ± carbonate ± clay, locally foliated to schistose.
- F FLOAT
- LEGAL CORNER POST
- 1990 ROCK SAMPLE LOCATION
  33253- <5, <0.1, (<0.01), (<0.01), (0.01)
  No. Au ppb, Ag ppm, Cu %, Pb %, Zn %

GEOLOGY IN PART AFTER RV KIRKHAM (PERSONAL COMMUNICATION)

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,518

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Figure 16

TREATY CREEK PROJECT

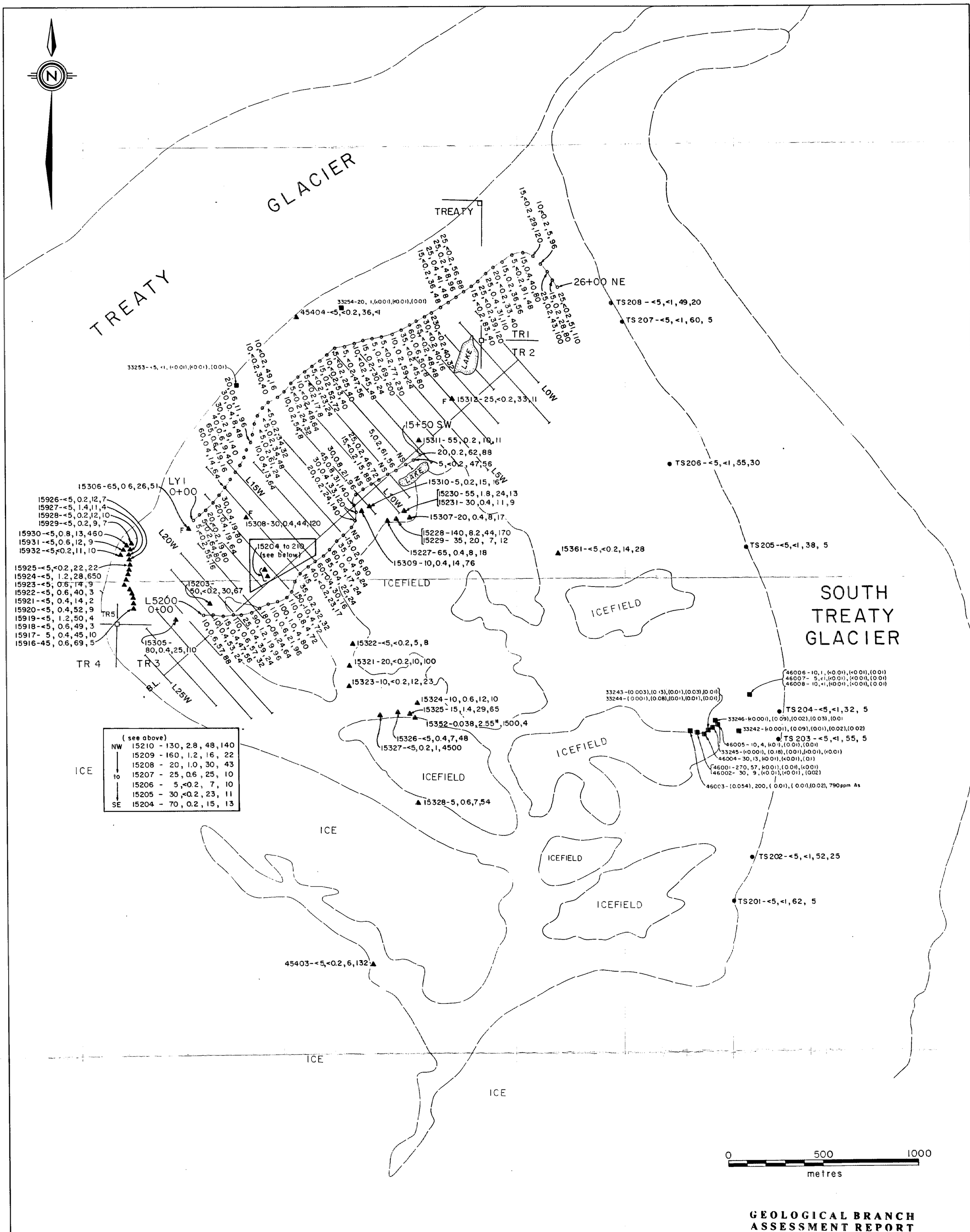
TREATY CLAIM

GEOLOGY

British Columbia
NTS: 104 B/9E

(5)

JANUARY 1991 Drafting: RWR



	(see above)
NW	15210 - 130, 2.8, 48, 140
↓	15209 - 160, 1.2, 16, 22
↓	15208 - 20, 1.0, 30, 43
to	15207 - 25, 0.6, 25, 10
↓	15206 - 5, <0.2, 7, 10
↓	15205 - 30, <0.2, 23, 11
SE	15204 - 70, 0.2, 15, 13

LEGEND:

SOIL SAMPLE LOCATION

TS201 ● SILT SAMPLE LOCATION & NUMBER

130 , 2.8 , 48 , 140
Au (ppb) Ag (ppm) Cu (ppm) As (ppm)

▲ 1989 ROCK SAMPLE LOCATION

15907 – Assay Tag Nº. 20, 0.8 , 22 , 13 Au (ppb) Ag (ppm) Cu (ppm) As (ppm)
0.038, 2.55*, 37 , 19 Au (oz/t) Ag (oz/t) Cu (ppm) As (ppm)

■ 1990 ROCK SAMPLE LOCATION

46001 – 20, 0.8 , 22 , 35, 50
Au ppb, Ag ppm, Cu ppm, Pb ppm, Zn ppm

BRACKETED VALUES Au, Ag: oz/t; Cu, Pb, Zn: %

F = FLOAT SAMPLE

NS = NO SAMPLE TAKEN

LEGAL CORNER POST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,318

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Figure 17

TREATY CREEK PROJECT

TREATY CLAIM

GEOCHEMISTRY

Au, Ag, Cu, As

British Columbia

NTS: 104 B/9E

(6)

January 1991 Drafting: RWR

L 14+00W L 13+00W L 12+00W L 11+00W L 10+00W L 9+00W L 8+00W L 7+00W L 6+00W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W L 0+00

7+00N 6+00N 5+00N 4+00N 3+00N 2+00N 1+00N 0+00N 1+00S 2+00S 3+00S

CLAIM BOUNDARY

TREATY CLAIM BOUNDARY

MORAINE

TALUS

RIDGE

LAKE

ICEFIELD

SILT & AND FLOWS

STRONGLY CHL & CALC

CHL, PY TRACES

CALC + lim

V STRONG CALC & lim

CHLORITIZED

D, STRONGLY CHR & SER

V STRONGLY CALC

AND FLOW VESICULAR

AND XTAL TUFF

D, V STRONG CALC, lim, MINOR CLAYS

AND FINE TUFF TO SILT

FINE AND TUFF

AND LAPILLI TUFF

GOSSANED TALUS

CHL, SER, CALC

SER SCHIST

SER SCH

SER SCHIST TALUS

SER py 1-5%

Ser py 1-5%

SULPHIDE BEARING 34586 (30)

34585 (20)

34584-nd

34581 (50)

34582-nd

34580 (60)

34579 (60)

34583 (190)

16811 (30)

16810 (40)

Tr - 5% fine py

16814-nd 10-15% py

SER + CARB 16813 (20) 10-15% PY 2-5% PY

16812-nd 6-10% diss py

3-10% PY

34544-nd

CHLORITIZED

34540-nd

46011 (5)

CARB

46010 (<5)

STRONG GOSSAN

46009 (<5) 3-5% PY

34541-nd 34542-(50)

33230 (<0.001 oz/t) 5-20% DISS

34543 (30) 5-15% DISS PY

QTZ FILLED VESICLES

ARG

VESICULAR ANDESITE VESICLES-QUARTZ FILLED

VESICULAR AND

AND FLOW VESICULAR

SER ALT'D D or AND TUFF

D-TALUS

CHL & SER ALT'D

CHL

BLACK AND TUFF

AND TUFF?

BLACK TUFF ?

AND TUFF

SILT

AND LAPILLI TUFF BRECCIA

PERVASIVE ZEOLITE INFILL

ZEOLITE - VESICLE INFILLING

AND LAPILLI TUFF/BRECCIA

MINOR ZEOLITES

AND LAPILLI TUFF TO BRECCIA

APH AND

2mRC 34720 (280)

2mRC 34721 (340)

2mRC 34719 (160)

2mRC 34723 (200)

GOSSANOUS

QTZ-PY STOCKWORK

GS 34722 (50)

■ Approximate □ OLD CAMP

16809-nd SER ± CHL

CARB VEINS

ICE-FIELD

LATERAL

COARSE AND PYROCLASTICS

STRONG CHL, WEAK SER

SER ± QTZ

CHL, SER

AND LAPILLI TUFF/BRECCIA

AND LAPILLI TUFF

LAYERED AIRFALL RHYOLITE TUFF

APH DAC

34538-nd

34539-nd

RHYOLITE

CHL ALT'D

3a 3f 3 3a-f 4 D S

0 100 200 metres

LEGEND:

- E — NATIVE SULPHUR BEARING, LAMINATED SILICA SINTER?
- S — PYRITE-QUARTZ-SERICITE ALTERED ROCK, LOCALLY FOLIATED TO SCHISTOSE
- D — DIORITE

LOWER JURASSIC HAZELTON GROUP

- 4 — MT. DILWORTH FORMATION RHYOLITE TO DACITIC AIRFALL TUFFS AND FLOWS
- 3 — BETTY CREEK FORMATION
- 3a — GREEN AND GREY ANDESITIC PYROCLASTICS, MASSIVE TO VESSICULAR ANDESITE
- 3f — BLACK WELL BEDDED SILTSTONE AND ARGILLITE

SYMBOLS

- OUTCROP (DEFINED)
- x — SMALL OUTCROP
- BEDDING (VERTICAL, INCLINED)
- CLEAVAGE, FOLIATION (VERTICAL, INCLINED)
- VEIN (VERTICAL, INCLINED)
- PRESUMED GEOLOGICAL CONTACT
- FAULT
- TALUS OR SCREE
- ANTICLINE AXIS
- CLAIM POST
- ▲ 16810 (40) — ROCK SAMPLE LOCATION WITH ASSAY TAG NUMBERS GOLD ASSAY (ppb)
- △ 34585 (20) — FLOAT SAMPLE LOCATION WITH ASSAY TAG NUMBERS GOLD ASSAY (ppb)

ARG	ARGILLITE	QTZ	QUARTZ
SILT	SILTSTONE	PY	PYRITE
APH	APHANITIC	CALC	CALCITE
XTAL	CRYSTAL	STR	STRONG
PORPH	PORPHYRITIC	DISS	DISSEMINATED
DAC	DACITE	2m RC	CHIP SAMPLE OVER 2 METRES
AND	ANDESITE	CARB	CARBONATE
SER	SERICITE	TR	TRACE
SCH	SCHIST	lim	LIMONITIC
CHL	CHLORITIZED	GS	GRAB SAMPLE

GEOLOGICAL BRANCH ASSESSMENT REPORT

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Figure 18

TREATY CREEK PROJECT

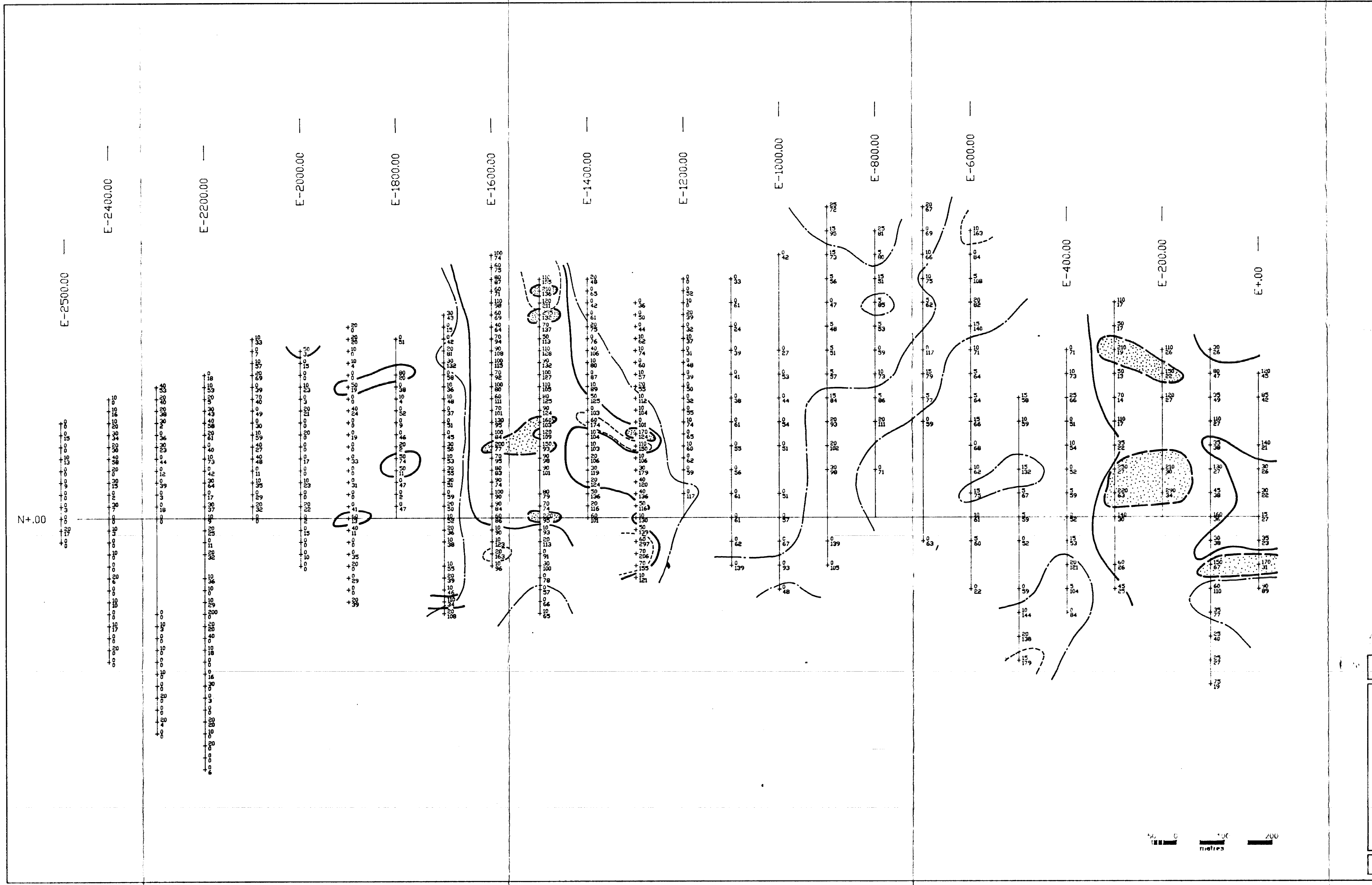
Skeena Mining Division

GEOLOGY & ROCK GEOCHEMISTRY of the TREATY GOSSAN AREA

British Columbia

NTS: 104 B/9E (7)

NOVEMBER 1990 Drafting RWR



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LEGEND

170 Au VALUE IN ppb
31 Pb VALUE IN ppm

0 = <5 ppb Au

50 ppb Au Contour
100 ppb Au Contour
75 ppm Pb Contour
150 ppm Pb Contour

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Figure 19

TREATY CREEK PROJECT

Skeena Mining Division

TREATY GOSSAN

SOIL GEOCHEMISTRY

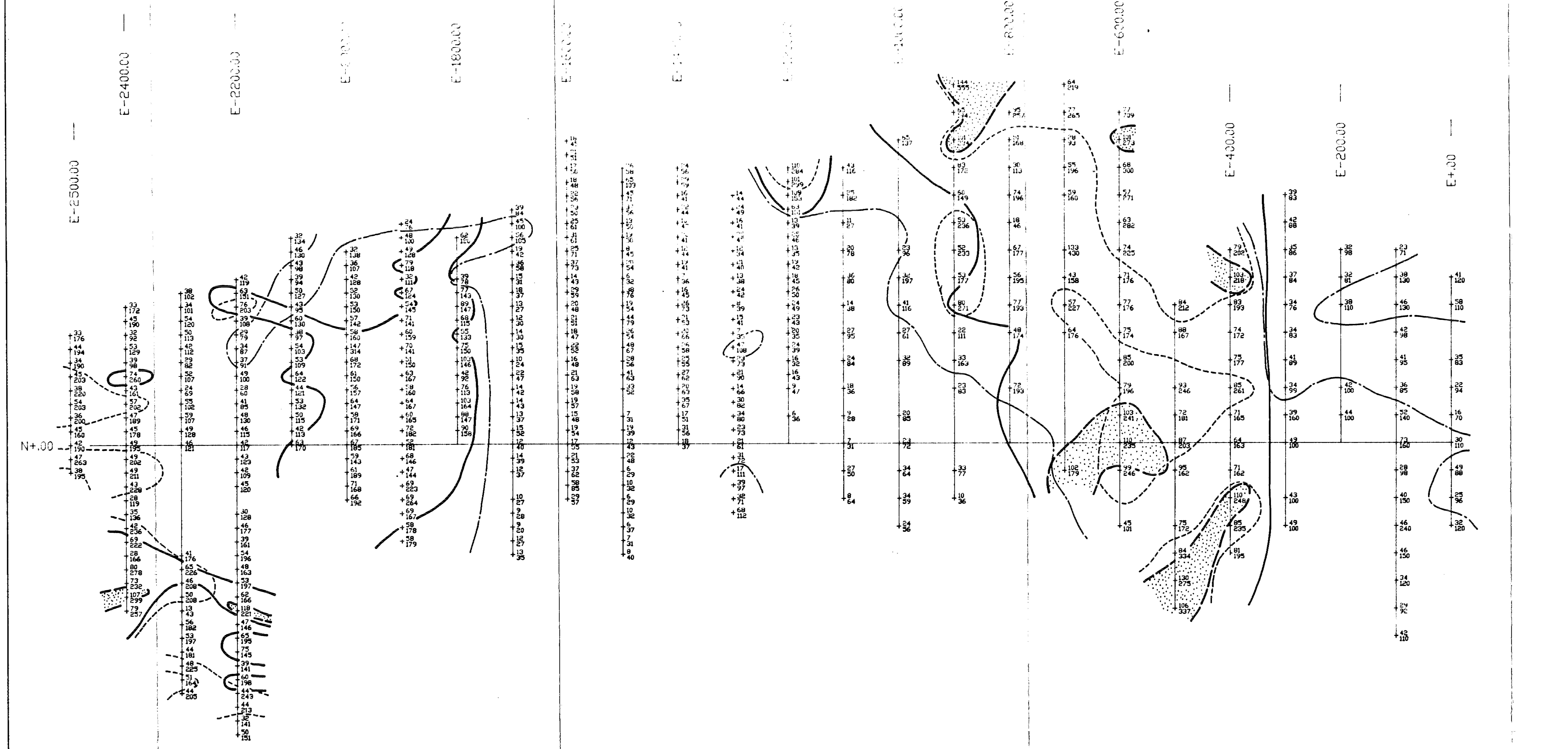
Au – Pb RESULTS

British Columbia

NTS: 104 B/9E

(8)

MARCH 1991 | Drafting RWR



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ASSESSMENT REPORT

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Figure 20

TREATY CREEK PROJECT

Skeena Mining Division

TREATY GOSSAN

SOIL GEOCHEMISTRY

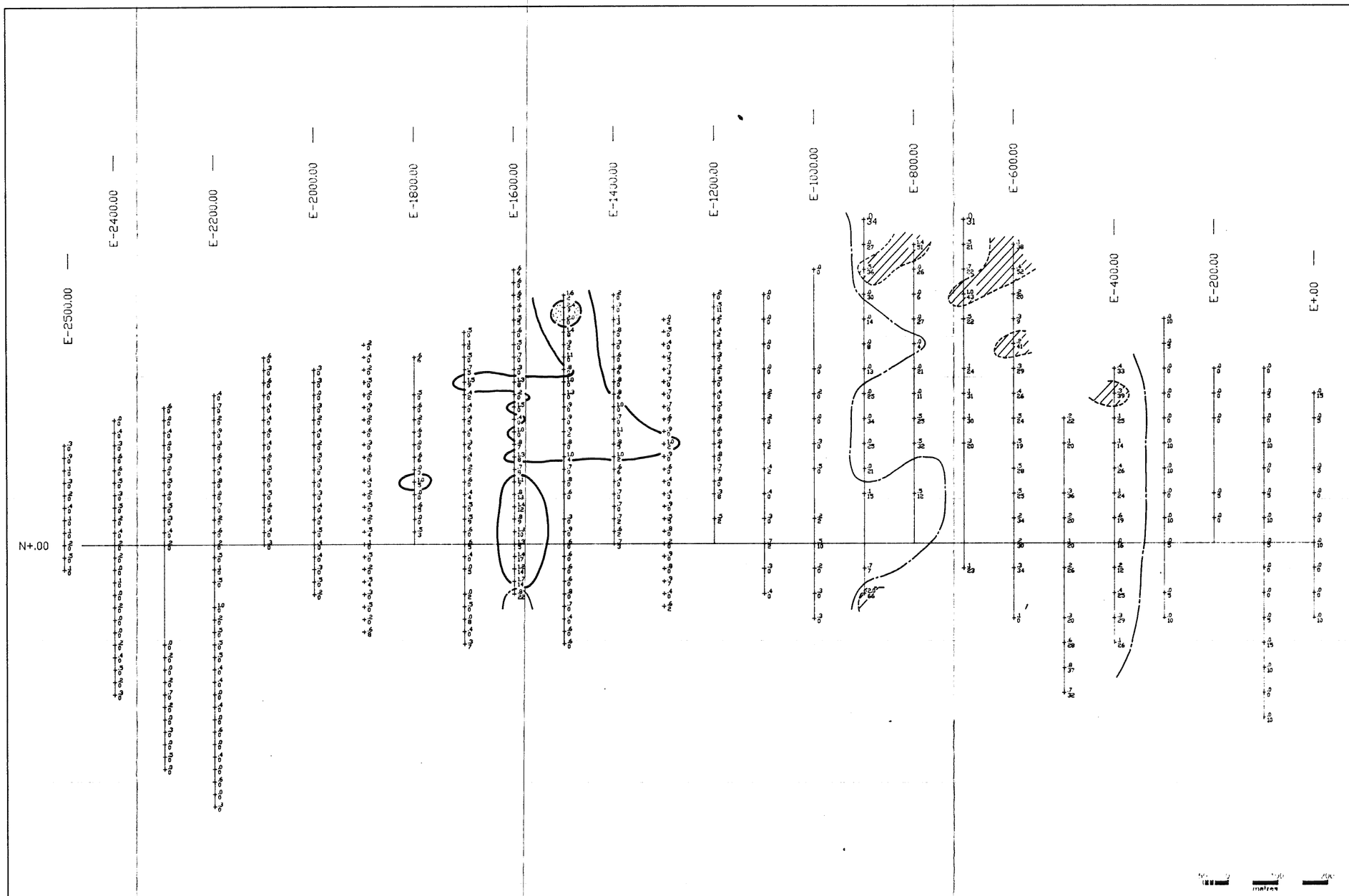
Cu – Zn RESULTS

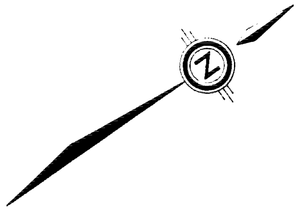
British Columbia

NTS: 104 B/9E

(9)

MARCH 1991 Drafting RWR





GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND

- Ag VALUE IN ppm / Sb VALUE IN ppm
- 0 = >5ppm Sb
- 1.0 ppm Ag Contour
- 2.0 ppm Ag Contour
- 20 ppm Sb Contour
- 35 ppm Sb Contour

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Figure 21

TREATY CREEK PROJECT

Skeena Mining Division

TREATY GOSSAN

SOIL GEOCHEMISTRY

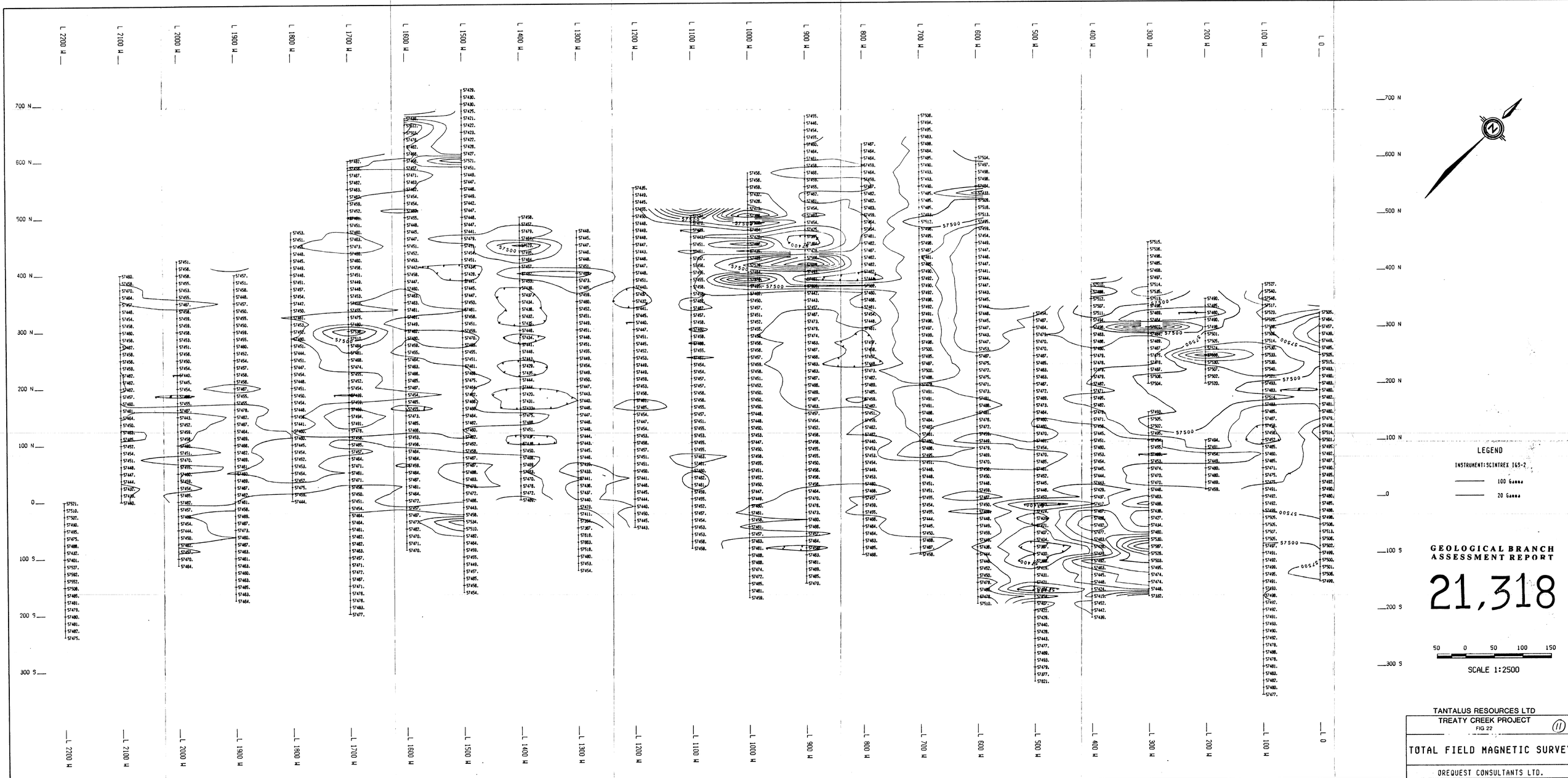
Ag – Sb RESULTS

British Columbia

NTS: 104 B/9E

(10)

MARCH 1991 Drafting RWR



LEGEND

INSTRUMENT: SCINTREX IGS-2

100 Gamma

20 Gamma

GEOLOGICAL BRANCH ASSESSMENT REPORT

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50 0 50 100 150

SCALE 1:2500

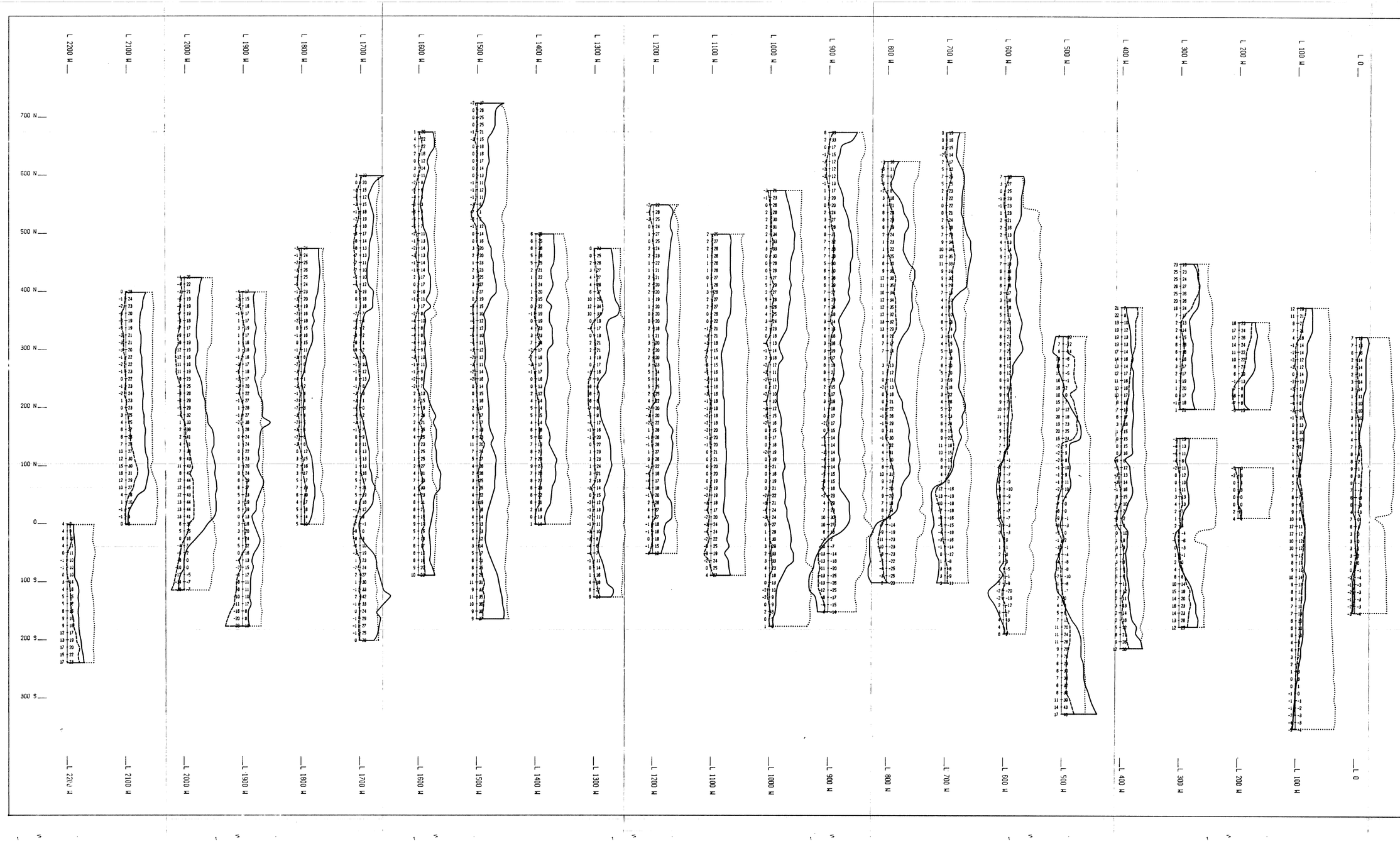
TANTALUS RESOURCES LTD

TREATY CREEK PROJECT

FIG 22 (11)

TOTAL FIELD MAGNETIC SURVEY

OREQUEST CONSULTANTS LTD.



LEGEND

INSTRUMENT: SCINTREX IGS-2

TRANSMITTER: HAWAII (23.4 KHZ)

GEOLOGICAL BRANCH ASSESSMENT REPORT

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50 0 50 100 150

SCALE 1:2500

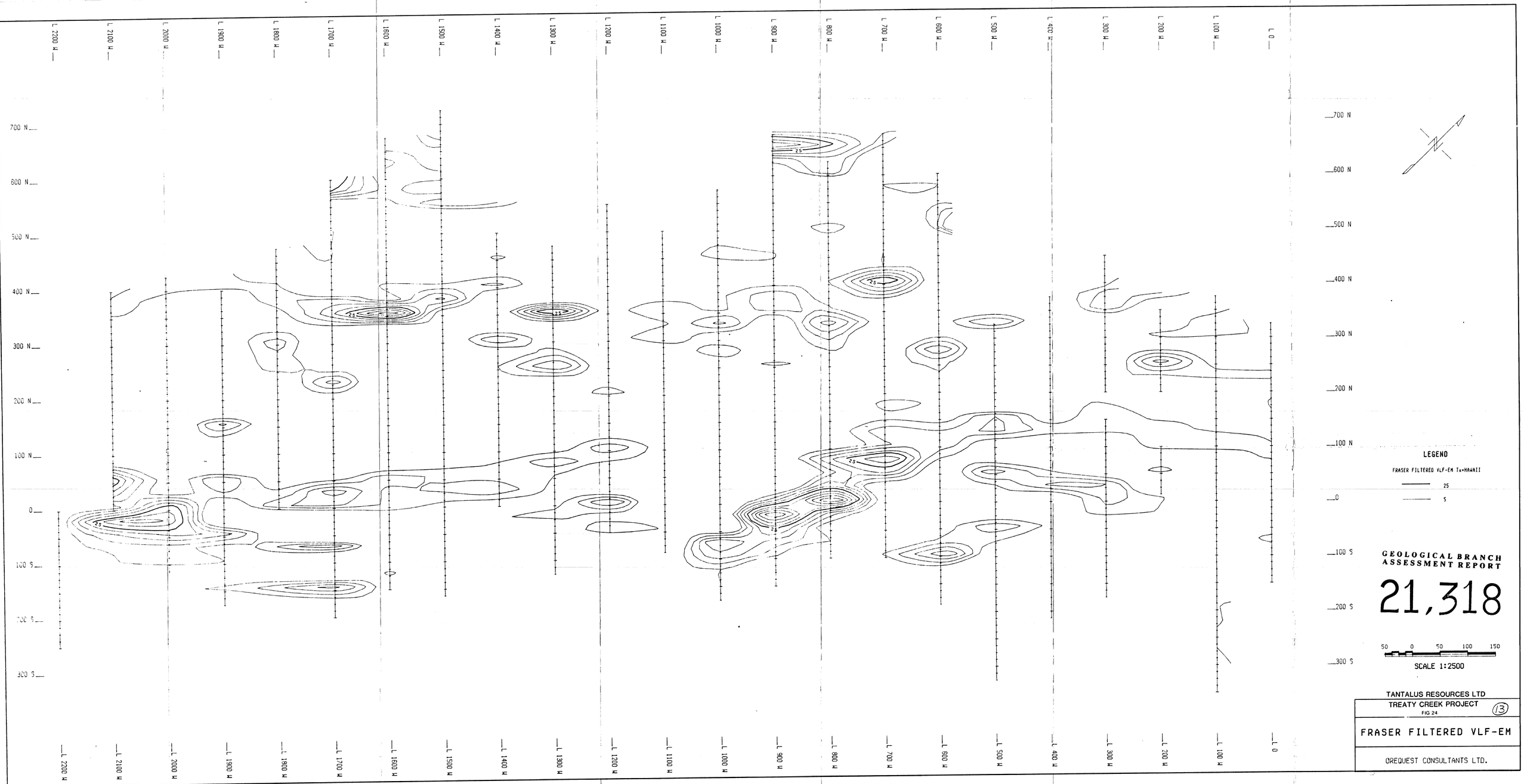
TANTALUS RESOURCES LTD

TREATY CREEK PROJECT

FIG 23

VLF EM SURVEY (12)

OREQUEST CONSULTANTS LTD.


L 2200 W
L 2100 W
L 2000 W
L 1900 W
L 1800 W
L 1700 W
L 1600 W
L 1500 W
L 1400 W
L 1300 W
L 1200 W
L 1100 W
L 1000 W
L 900 W
L 800 W
L 700 W
L 600 W
L 500 W
L 400 W
L 300 W
L 200 W
L 100 W
L 0
700 N
600 N
500 N
400 N
300 N
200 N
100 N
0
100 S
200 S
300 S
25
LEGEND
FRASER FILTERED VLF-EM Tx=HAWAII
25
5
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,318
50 0 50 100 150
SCALE 1:2500
TANTALUS RESOURCES LTD
TREATY CREEK PROJECT
FIG 24
(13)
FRASER FILTERED VLF-EM
OREQUEST CONSULTANTS LTD.