1990 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE ANUK RIVER EAST PROJECT

Located in the Galore Creek Area
Liard Mining Division
NTS 104G/3W,4E
57° 09′ North Latitude
131° 31′ West Longitude

-prepared for-
CONSOLIDATED GOLDWEST RESOURCES LTD.

-prepared by-
Robert Falls, Geologist

December, 1990

1990 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE ANUK RIVER EAST PROJECT

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION

The Anuk River East Project encompasses the PL 4-6 and Pup 6-7 claims, located in the Liard Mining Division, approximately 170 kilometres northwest of Stewart in northwestern British Columbia (Figure 1). They were staked in 1988, 1989 and 1990 to cover favourable geology between the Jack Wilson gold-copper occurrences and the Galore Creek copper-gold deposit. Initial exploration in 1989 returned anomalous stream sediment samples from the northern edge of the property in association with narrow silver-bearing quartz-carbonate veins. The geological similarity to the Iskut River, Sulphurets and Stewart mining camps to the south and the discovery in the past few years of several major precious metals occurrences elsewhere in the Galore Creek district have sparked renewed exploration interest throughout the area.

Limited exploration, consisting of geological mapping, prospecting, soil sampling and ground geophysical surveys, was carried out over the Anuk River East property during 1990. Equity Engineering Ltd. conducted this program for Consolidated Goldwest Resources Ltd. and has been retained to report on the results of the fieldwork.

2.0 LIST OF CLAIMS

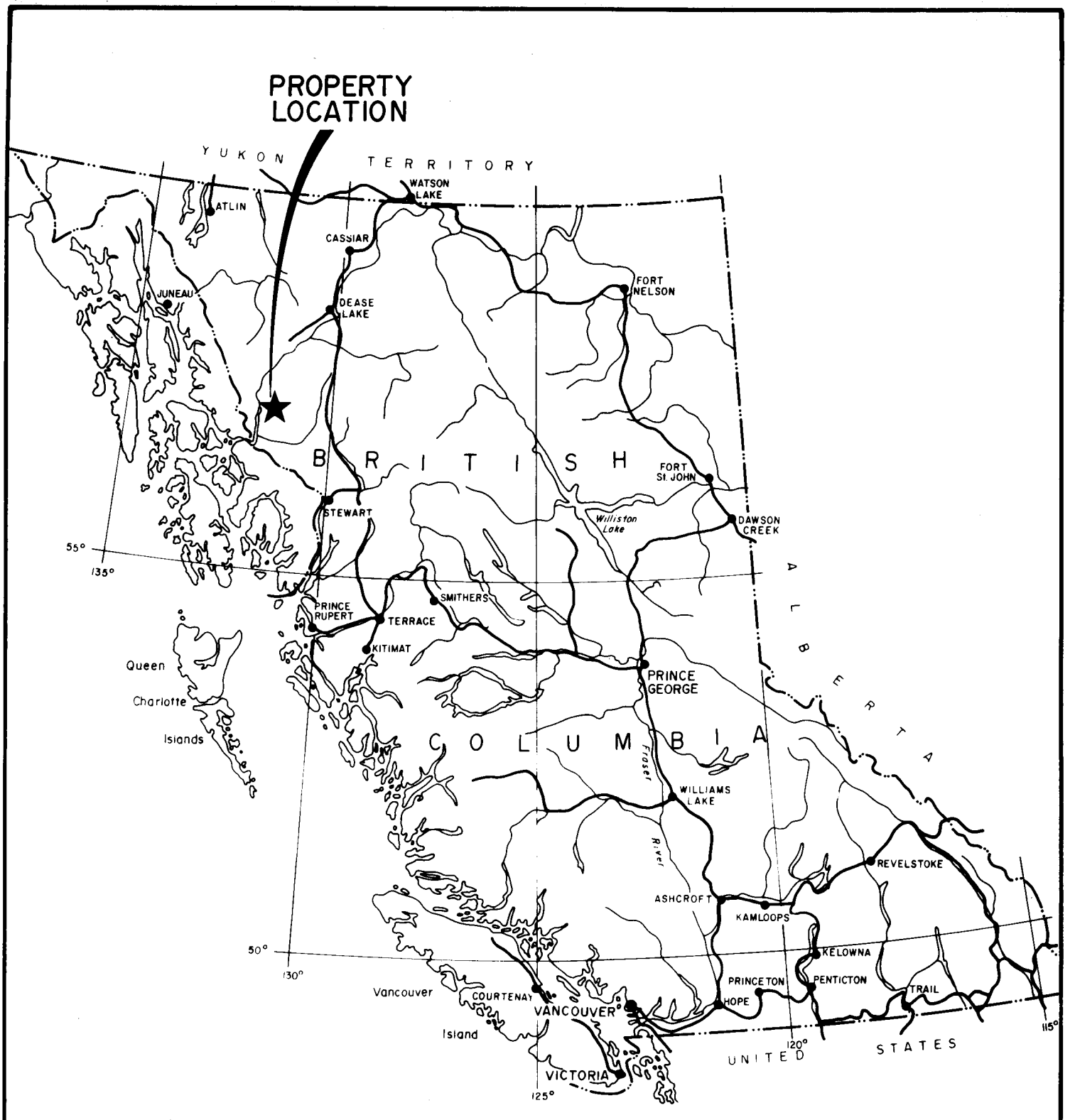
Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned 49% by Pass Lake Resources Ltd. and 51% by Consolidated Goldwest Resources Ltd.. Separate documents indicate that they are beneficially owned by Pass Lake Resources while Consolidated Goldwest Resources Ltd. earns its interest.

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
Pup 6	6524	5	Oct. 14, 1989	1994*
Pup 7	7769	5	Aug. 27, 1990	1991
PL-4	5373	14	Oct. 11, 1988	1994*
PL-5	5374	14	Oct. 11, 1988	1994*
PL-6	5375	16	Oct. 11, 1988	1994*
		54		

* Subject to approval of assessment work filed in October 1990.

The PL-4 claim overlaps the Jack claim to the west and the JW 4 claim to the north by 100 and 350 meters, respectively. The southwestern corner of the PL-6 claim overlaps the Galore Creek claim group by 500 meters. The Pup 7 claim was staked in August 1990 to cover a narrow fraction between the PL-5 and PL-6 claims; the Pup 6 claim covers a fraction between the north boundary of the



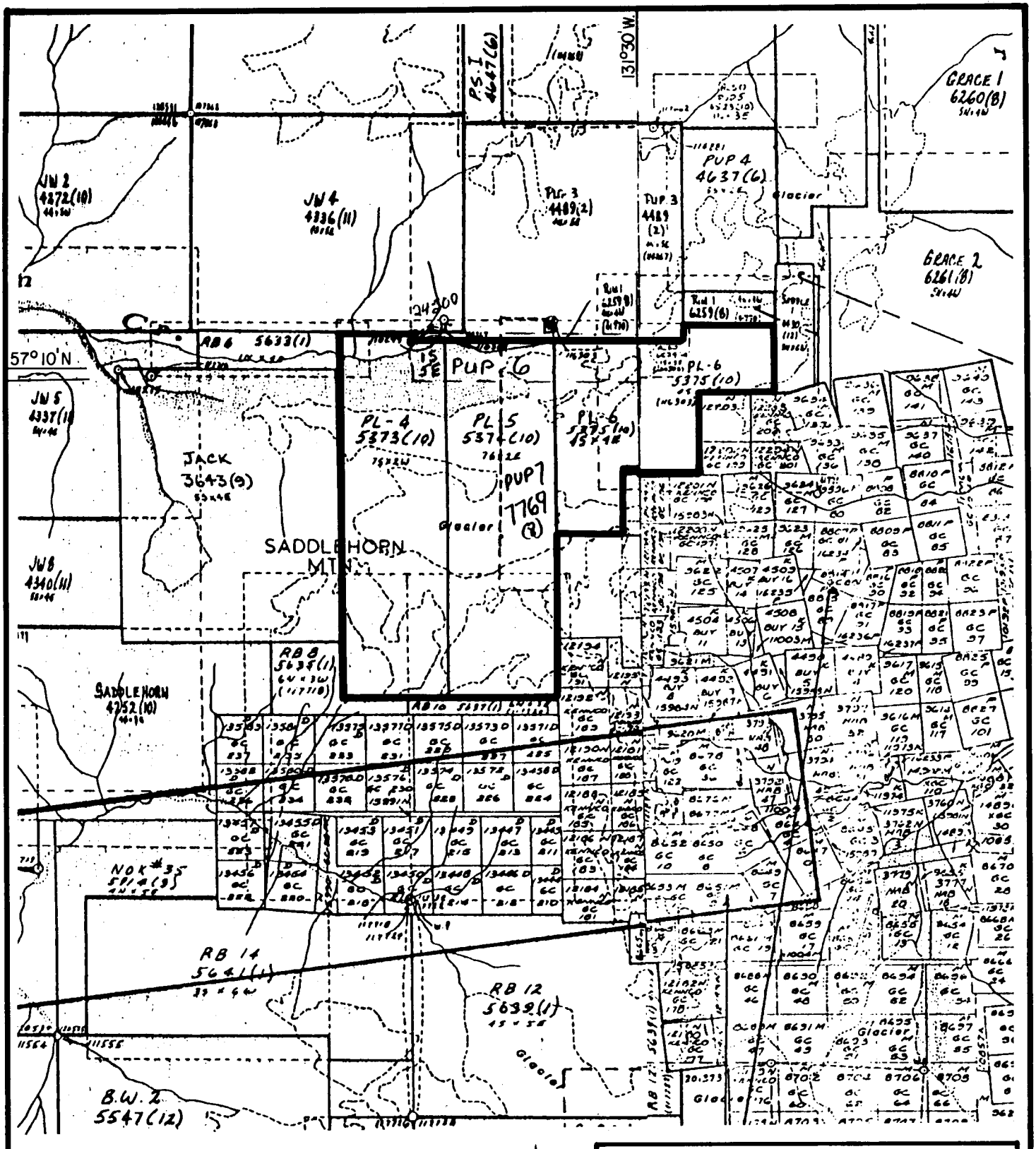
CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT
LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W.	MINING DIV. LIARD	FIGURE
N.T.S.: 104G/3W, 4E	SCALE: AS SHOWN	1
DATE: DEC., 1990	REVISED:	



CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

CLAIM MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W.	MINING DIV.: LIARD	FIGURE 2
N.T.S.: 104 G/3W, G/4E.	SCALE: 1:50000	
DATE: DEC., 1990	REVISED:	

PL-6 claim and the Pup 1-5 claim group to the north. The actual size of the Anuk River East property is closer to 39 units as a result of the overstaking. The positions of all legal corner posts for the Anuk River East property have been verified by Equity Engineering field crews.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Anuk River East property is located within the Coast Range Mountains approximately 170 kilometres northwest of Stewart and 80 kilometres south-southwest of Telegraph Creek in northwestern British Columbia (Figure 1). It lies within the Liard Mining Division, centred at 57° 09′ north latitude and 131° 31′ west longitude.

Access to the property in 1990 was provided by daily helicopter setouts from the Galore Creek camp, located approximately five kilometres to the southeast. Fixed-wing aircraft up to the size of a Turbo Otter fly charters from Smithers and Wrangell to the Galore Creek airstrip. On the Alaskan side of the border, Wrangell lies approximately 90 kilometres to the southwest, and provides a full range of services and supplies, including a commercial airport. The Stikine River has been navigated by 100-ton barges upriver as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to within ten kilometres of the property.

The PL 4-6 and Pup 6-7 claims cover the northern slopes of the east ridge of Saddlehorn Mountain and the glacier located at the headwaters of Jack Wilson Creek (Figure 2). Topography is precipitous, typical of mountainous and glaciated terrain, with elevations ranging from 750 meters near Jack Wilson Creek to over 2080 meters on an unnamed peak east of Saddlehorn Mountain. At least two-thirds of the property is covered by glaciers, permanent snowfields or thick glacial moraine.

North of Jack Wilson Creek, lower slopes are covered by sparse growth of alpine fir. Above treeline, which occurs at approximately 1150 meters, more open alpine vegetation is present. The property lies in the wet belt of the Coast Range Mountains. Annual precipitation ranges from 190 to 380 centimetres (Kerr, 1948b). Except during July, August and September, precipitation at higher elevations falls mainly as snow, with accumulations reaching three meters or more. Both summer and winter temperatures are moderate, ranging from -5°C in the winter to 20°C in the summer months.

4.0 PROPERTY MINING HISTORY

4.1 Previous Work

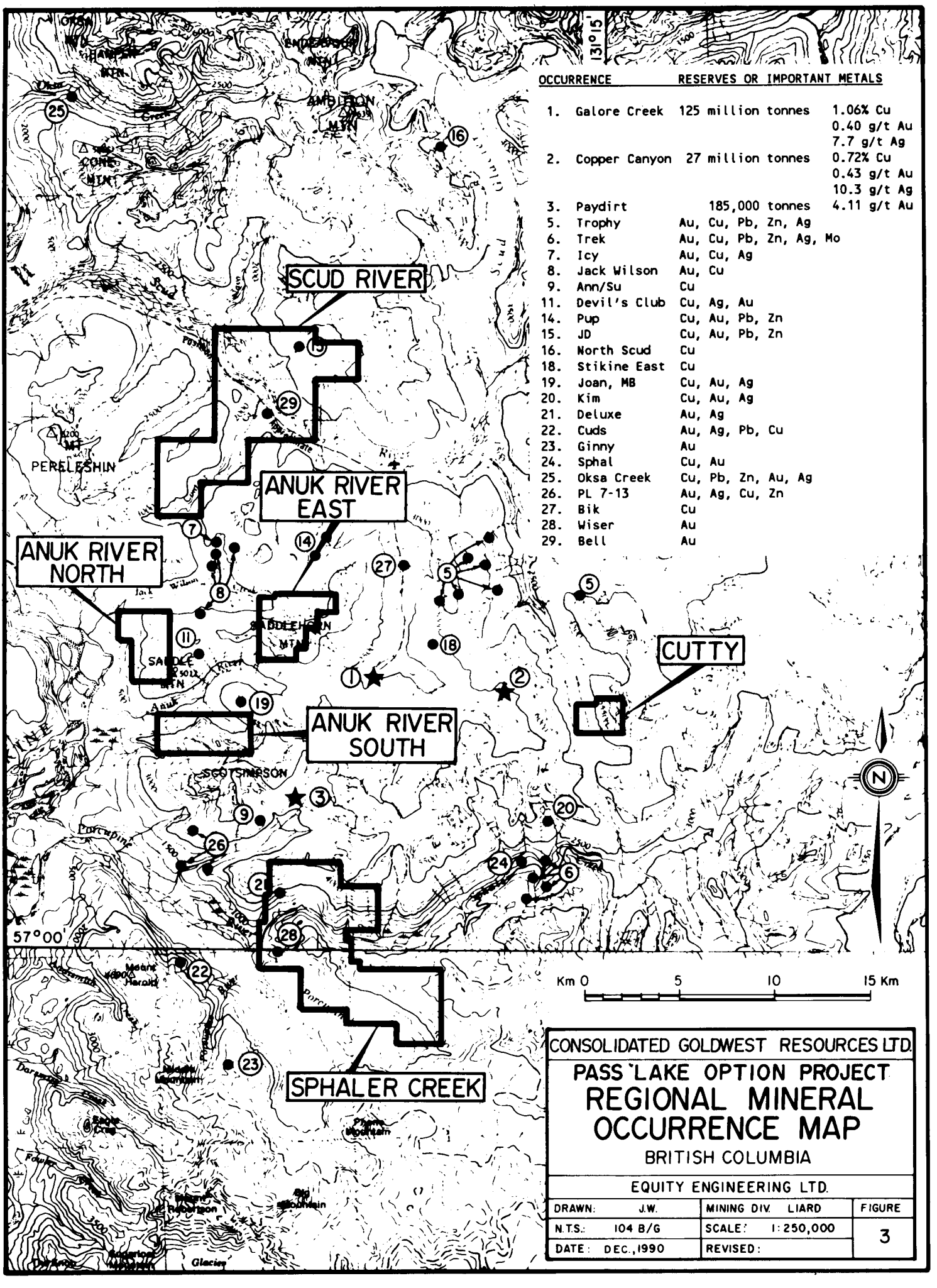
The Galore Creek district was extensively explored for its copper potential throughout the 1960's, following the discovery in 1955 of the Galore Creek copper-gold porphyry deposit four kilometres southeast of PL-6 (Figure 3), whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 parts per billion gold (Allen et al, 1976). Several major mining companies conducted regional mapping and silt sampling programs over the entire Galore Creek area, and the Copper Canyon copper-gold porphyry, estimated by Dobell and Spencer (1958) to contain 27 million tonnes at a grade of 0.72% copper and 0.43 g/tonne (0.01 oz/ton) gold, was discovered eight kilometres east of the Central Zone in 1957. The Copper Canyon deposit and some of the peripheral zones on the Galore Creek property were subjects of diamond drilling programs during 1990 which tested their gold potential.

In the early 1980's, Teck Corp. conducted regional reconnaissance for gold throughout the area, and delineated 185,000 tonnes of reserves grading 4.11 g/tonne (0.12 oz/ton) gold in the Paydirt deposit (Holtby, 1985), located approximately eight kilometres south of the Anuk River East property. Several significant precious metal occurrences were discovered on each of the Trek, Trophy, Wiser, Icy and JW properties during the 1988 and 1989 field seasons (Figure 3). In each case, these properties had been explored for copper during the 1960's, but had never received due attention for their gold potential. Initial drilling in 1990 on the JW property, which lies immediately to the northwest of the Anuk River East claim group, returned 60.0 metres of porphyry-style mineralization grading 0.22% copper and 0.41 g/tonne (0.01 oz/ton) gold (Stockwatch, Sept. 13/90).

During September of 1989, Consolidated Goldwest Resources Ltd. carried out one day of reconnaissance exploration on the Anuk River East claim group, taking 6 stream silt samples and 24 rock samples. Several narrow quartz-carbonate veins with poddy sulphides were found on the northern part of the PL-6 claim. Select samples from these veins assayed up to 189.4 g/tonne (5.52 oz/ton) silver with 5.92% lead. Two silt samples, taken from streams draining the northern part of the PL-6 claim and the adjoining Pup property, were anomalous in gold with 45 and 65 parts per billion; one of these also contained highly anomalous copper with 534 parts per million (Kasper, 1989).

4.2 1990 Work Program

During July, August and October of 1990, Consolidated Goldwest Resources Ltd. carried out limited geological mapping, prospecting, soil sampling and ground geophysical surveys over the northeastern portion of the Anuk River East property. This program was designed



OCCURRENCE		RESERVES OR IMPORTANT METALS	
1.	Galore Creek	125 million tonnes	1.06% Cu 0.40 g/t Au 7.7 g/t Ag
2.	Copper Canyon	27 million tonnes	0.72% Cu 0.43 g/t Au 10.3 g/t Ag
3.	Paydirt	185,000 tonnes	4.11 g/t Au
5.	Trophy	Au, Cu, Pb, Zn, Ag	
6.	Trek	Au, Cu, Pb, Zn, Ag, Mo	
7.	Icy	Au, Cu, Ag	
8.	Jack Wilson	Au, Cu	
9.	Ann/Su	Cu	
11.	Devil's Club	Cu, Ag, Au	
14.	Pup	Cu, Au, Pb, Zn	
15.	JD	Cu, Au, Pb, Zn	
16.	North Scud	Cu	
18.	Stikine East	Cu	
19.	Joan, MB	Cu, Au, Ag	
20.	Kim	Cu, Au, Ag	
21.	Deluxe	Au, Ag	
22.	Cuds	Au, Ag, Pb, Cu	
23.	Ginny	Au	
24.	Sphal	Cu, Au	
25.	Oksa Creek	Cu, Pb, Zn, Au, Ag	
26.	PL 7-13	Au, Ag, Cu, Zn	
27.	Bik	Cu	
28.	Wiser	Au	
29.	Bell	Au	

CONSOLIDATED GOLDWEST RESOURCES LTD.

PASS LAKE OPTION PROJECT
REGIONAL MINERAL OCCURRENCE MAP
BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W.	MINING DIV. LIARD	FIGURE
N.T.S.: 104 B/G	SCALE: 1:250,000	3
DATE: DEC., 1990	REVISED:	

to investigate the anomalous 1989 results and coordinate with work being carried out to the north on the Saddle Zone of the Pup property (Ross, 1989).

A soil geochemical grid was laid out using chain and compass over the northern part of the PL-6 claim, with a 500-metre north-south baseline. Crosslines were run 50 metres apart, but only the five northernmost lines were sampled due to glacial moraine cover. Soil samples were taken at 25 metre intervals from the red-brown B horizon, wherever possible (Figure 6). Cumulative frequency distribution plots for soil geochemistry are presented in Appendix E. Magnetometer and VLF-EM surveys were run over the geochemical grid. Survey procedures and results have been described by Ballantyne and Visser (1990) in Appendix G.

Prospecting and reconnaissance geology were carried out over the grid, using a 1:2,000 grid map as a base (Figure 5). Rock samples, described in Appendix C, were taken from zones of alteration and mineralization and analyzed geochemically for gold and 35 elements by ICP. Samples exceeding 1000 ppb gold were fire assayed. Analytical certificates are attached in Appendix D.

5.0 REGIONAL GEOLOGY

The first geological investigations of the Stikine River in northwestern British Columbia began over a century ago when Russian geologists came to Russian North America assessing the area's mineral potential (Alaskan Geographic Society, 1979, in Brown and Gunning, 1989a), and was followed by the first Geological Survey of Canada foray of G.M. Dawson and R. McConnel in 1887. Several more generations of federal and provincial geologists have been sent to the Stikine, including Kerr (1948b), the crew of Operation Stikine (GSC, 1957), Panteleyev (1976), Souther (1972), Souther and Symons (1974), Monger (1977), and Anderson (1989). The British Columbia Geological Survey has recently completed regional mapping of the area at a scale of 1:50,000 by Brown and Gunning (1989a,b) and Logan and Koyanagi (1989a,b).

The Galore Creek Camp lies within the Intermontane Belt, a geological and physiographic province of the Canadian Cordillera, and flanks the Coast Plutonic Complex to the west (Figure 4). At Galore Creek, the generally northwest-trending structure of the Intermontane Belt is discordantly cut across by the northeast-trending Stikine Arch which became an important, relatively positive tectonic element in Mesozoic time when it began to influence sedimentation into the Bowser Successor Basin to the southeast and into the Whitehorse Trough to the northwest (Souther et al., 1974).

Stikinian stratigraphy ranges from possibly Devonian to Jurassic, and was subsequently intruded by granitoid plutons of


LEGEND
QUATERNARY
Qal
UPPER TRIASSIC
(Unit 8A, 8B, 8C)
(Unit 8D)
(Unit 8H)
MIDDLE TO UPPER TRIASSIC
(Unit 7)
STIKINE ASSEMBLAGE
PERMIAN
(Unit 6A)
(Unit 6C)
(Unit 5)
PERMIAN AND OLDER
(Unit 4c)
(Unit 4)
(Unit 4A)
INTRUSIVE ROCKS
JURASSIC TO TERTIARY
(Unit 12B)
(Unit 11C)
MIDDLE JURASSIC
(Unit 12B)
(Unit 12)
EARLY TO MIDDLE JURASSIC
(Units 8A, 8B)
EARLY JURASSIC
(Unit 11C)
Geological boundary (defined, approximate, assumed)
Unconformity (assumed)
Bedding (inclined, vertical, parallel to foliation)
Bedding tops observed (inclined, vertical, overturned)
Foliation (inclined, vertical, M - myonite)
Joint (inclined, vertical)
Dyke (inclined, vertical)
Vein (inclined, vertical, Q - quartz)
Anticlinal axis
Synclinal axis
Overturned synclinal axis
Fold axis of minor fold with M, S and Z symbols; plunge (arrow indicates plunge)
High angle fault, surface trace (defined, approximate, assumed; Solid circle indicates downthrown side, arrows indicate relative movement)
Thrust fault (barbed, approximate, assumed, teeth in direction of dip)
Shear zone, mylonite
PROPERTY LOCATION
Coffee Mountain Fault
Geology after: Logan et al 1989b
Brown & Gunning 1989b
Km 0 .5 1 2 3 4 Km
CONSOLIDATED GOLDWEST RESOURCES LTD.
ANUK RIVER EAST PROJECT
REGIONAL GEOLOGY
BRITISH COLUMBIA
EQUITY ENGINEERING LTD.
DRAWN: J.W.
MINING DIV. LIARD
N.T.S. 104G/5E, 6W, 4E, 3W
SCALE: 1:100,000
DATE: DEC. 1990
REVISED:
FIGURE 4

Upper Triassic to Eocene age. The oldest strata exposed in the Galore Creek camp are Mississippian or older mafic to intermediate volcanic flows and pyroclastic rocks (Units 4A and 4B) with associated clastic sediments (Units 4C, 4D, 4G and 4J) and carbonate lenses (Unit 4E). These are capped by up to 700 meters of Mississippian limestone with a diverse fossil fauna (Map Unit 4E). It appears from fossil evidence that all of the Pennsylvanian system is missing and may be represented by an angular unconformity and lacuna of 30 million years, though field relationships are complicated by faulting (Monger, 1977; Logan and Koyanagi, 1989a). Permian limestones (Units 6A, 6B and 6C), also about 700 meters thick, lie upon the Mississippian limestone but are succeeded by a second lacuna amounting to about 20 million years from the Upper Permian to the upper Lower Triassic.

Middle and Upper Triassic siliciclastic and volcanic rocks (Unit 7) are overlain by Upper Triassic Stuhini Group siliciclastic (Units 8A and 8B) and volcanic (Units 8D, 8E, 8G, 8H and 8I) rocks, consisting of mafic to intermediate pyroclastic rocks and lesser flows. The Galore Creek porphyry copper deposit appears from field evidence to mark the edifice of an eroded volcanic centre with numerous sub-volcanic plutons of syenitic composition. Jurassic Bowser Basin strata onlap the Stuhini Group strata to the southeast of Iskut River but, because of erosion and non-deposition, are virtually absent from the Galore Creek area.

The plutonic rocks follow a three-fold division (Logan and Koyanagi, 1989a,b). Middle Triassic to Late Jurassic syenitic and broadly granodioritic intrusions are partly coeval and cogenetic with the Stuhini Group volcanics and include the composite Hickman Batholith (Unit 9) and the syenites of the Galore Creek Complex (Unit 11). Jura-Cretaceous Coast Plutonic Complex intrusions (Unit 12) occur on the west side of the Galore Creek Camp, along the Stikine River, with the youngest of these intrusions occupying more axial positions along the trend of the Coast Plutonic Complex flanked by older intrusions. The youngest intrusives in the Galore Creek Camp are Eocene (quartz-) monzonitic plugs (Unit 13), felsic and mafic sills and dykes (Unit 14), and biotite lamprophyre (minette) dykes (Unit 14C).

The dominant style of deformation in the Galore Creek area consists of upright north-trending, open to tight folds and northwest-trending, southwest-verging, folding and reverse faulting in the greenschist facies of regional metamorphism. Localized contact metamorphism ranges as high as pyroxene hornfels grade; metasomatism is also noted near intrusions. Upright folding may be an early manifestation of a progressive deformation which later resulted in southwest-verging structures. Southwest-verging deformation involves the marginal phases of the Hickman Batholith and so is, at least in part, no older than Late Triassic.

Steeply dipping faults which strike north, northwest,

northeast, and east have broken the area into a fault-block mosaic. North-striking faults are vertical to steeply east-dipping and parallel to the Mess Creek Fault (Souther, 1972), which was active from Early Jurassic to Recent times (Souther and Symons, 1974); northwest-striking faults are probably coeval with the north-striking faults, but locally pre-date them. East-west trending faults are vertical or steeply dipping to the north and have normal-type motion on them (i.e., north-side down), whereas northeast-striking faults are the loci of (sinistral) strike-slip motion (Brown and Gunning, 1989a).

A number of metallic deposit types have been recognized in the Galore Creek camp: porphyry copper $\pm$ molybdenum $\pm$ gold deposits, structurally-controlled epigenetic 'Cordilleran' vein/shear precious metal replacement deposits, skarns and breccia deposits (Figure 3). Porphyry copper deposits of this area include both the alkalic Galore Creek copper-gold and calc-alkalic Schaft Creek copper-molybdenum deposits. Galore Creek, which is associated with syenitic stocks and dikes rather than a quartz-feldspar porphyry, is further contrasted from the calc-alkaline Schaft Creek in that molybdenite is rare, magnetite is common and gold and silver are important by-products. The mineralization is clearly coeval and cogenetic with the spatially associated intrusive bodies. Other porphyry copper occurrences in the Galore Creek area include the Copper Canyon, Sue/Ann, Bik and Jack Wilson Creek deposits.

Structurally-controlled gold-silver deposits have been the focus of exploration in recent years. The vein/shear occurrences are similar throughout the Galore Creek camp in that they are mesothermal in nature, containing base metal sulphides with strong silica veining and alteration. However, it appears that the intrusive bodies associated with this mineralization fall into two classes on the basis of age and composition. These two classes are reflected in differences in the style of structures, sulphide mineralogy and associated alteration products. The intrusive types are: 1) Lower Jurassic alkaline "Galore Creek" stocks; and 2) Eocene quartz monzonite to porphyritic granodiorite intrusions. Lead isotope data from the Stewart mining camp (Alldrick et al., 1987) further supports the proposition that separate Jurassic and Tertiary mineralizing events were "brief regional-scale phenomena".

Structures associated with the Lower Jurassic syenites are typically narrow (less than 2.0 metres) quartz-chlorite veins mineralized predominately with pyrite, chalcopyrite and magnetite. Examples of these structures in the Galore Creek camp include many of the discrete zones peripheral to the Galore Creek deposit and the gold-rich veins at Jack Wilson Creek. The Tertiary mineralization comprises discrete quartz veins and larger 'shear' zones characterized by pervasive silicification, sericitization and pyritization whose total sulphide content is commonly quite low. The quartz veins contain a larger spectrum of sulphide minerals

including pyrite, chalcopyrite, pyrrhotite, arsenopyrite, galena and sphalerite. Unlike the Jurassic mineralization, silver grades may be very high. A number of mineral showings discovered in the Porcupine River area, including the Paydirt deposit, are of this type.

Skarns represent a minor percentage of the precious metal-bearing occurrences in the Galore Creek camp. The mineralogy of these deposits could be influenced by the composition of the intrusion driving the hydrothermal fluids, in much the same way as described above for the structurally-controlled deposits. If the intrusives are alkalic, the skarn assemblage will be dominated by magnetite and chalcopyrite, as at the Galore Creek deposit and the Hummingbird skarn on the east side of the South Scud River.

The breccia hosted mineralization discovered in the Galore Creek camp precious metal deposits appear to be unique in style and mineralization. Three occurrences have been located in the camp: (1) the zinc-silver-gold Ptarmigan zone in the South Scud River area, (2) the copper-molybdenum-gold-silver breccia at the Trek property on Sphaler Creek and (3) the copper-bearing and magnetite breccias of the complex Galore Creek deposit. The single common denominator of each is that the zones are located along fault structures which may represent the main conduit for mineralizing fluids.

6.0 PROPERTY GEOLOGY AND MINERALIZATION

6.1 Geology

The Anuk River East property is underlain by interbedded volcanic, volcaniclastic and sedimentary rocks of the Upper Triassic Stuhini Group. These rocks are intruded by propylitically-altered diorite of assumed Eocene age. Figure 5 shows the geology and sample locations for the Anuk River East Grid area. Those 1989 silt and rock samples which could be accurately located are also shown.

The Stuhini Group rocks (Unit 8) generally show weak chlorite and epidote alteration. They strike north to northeast with moderate westerly dips. Several northeast-striking, northwest-dipping faults have been mapped on the property. The fault zones show strong sericite alteration and often form steep stream gullies.

The majority of the Anuk River East Grid area is underlain by interbedded augite and feldspar porphyritic andesite flows (Units 8D and 8E respectively). They are composed of 10 to 20% augite or feldspar phenocrysts in a dark green, massive, fine-grained groundmass. Interbedded with these rocks are argillite (Unit 8A), tuff (Unit 8G) and agglomerate (Unit 8H).

Argillite (Unit 8A) is well-laminated and weathers to a rusty orange-brown colour. It may grade into greyish-green, laminated tuff (Unit 8G). Agglomerate (Unit 8H) consists of volcanic fragments up to 10 centimetres across in a fine-grained, greenish-grey matrix.

In the western part of the Anuk River East Grid area Stuhini Group rocks are intruded by diorite plugs of assumed Eocene age (Unit 13E). The diorite is medium-grained, and shows moderate to strong chlorite-epidote alteration.

The youngest rocks on the property are dykes of assumed Tertiary age, which intrude Stuhini Group rocks in the western part of the grid area. Fine-grained, dark green, massive andesite (Unit 14A) and rusty-weathering biotite lamprophyre (Unit 14C) dykes have been mapped.

6.2 Mineralization

Several rock samples from the western part of the Anuk River East Grid returned high values for gold and copper. This mineralization is associated with quartz veinlet stockworks within chlorite-epidote altered diorite (Unit 13E), which generally contain 1 to 5% blebby chalcopyrite and 1% disseminated pyrite.

Sample 39388 returned 2.81 g/tonne (0.082 oz/ton) gold, 2.08% copper, 12 ppm silver, 1300 ppm lead and low values for zinc and arsenic. It was taken from altered diorite float, containing quartz-chalcopyrite-pyrite veinlets. The sample may be derived from the diorite outcrop on which it was found.

Samples 28682 and 39392 also consist of diorite float. They were taken on a talus slope below malachite-stained cliffs near the northern boundary of the property, composed of diorite and volcanic rocks. Sample 28682, containing disseminated pyrite, returned 1.51 g/tonne (0.044 oz/ton) gold with low values for other precious and base metals. Sample 39392, containing 5% chalcopyrite and 1% pyrite, returned 2.81 g/tonne (0.082 oz/ton) gold, 2.20% copper, 13 ppm silver, 810 ppm lead and low values for zinc and arsenic. Both of these samples are believed to have originated in malachite-stained cliffs to the north of the grid area. Grab sample 39391 was taken from diorite within these cliffs. The sample, containing disseminated chalcopyrite, returned 560 ppb gold, 1.13% copper, 1100 ppm lead and low values for silver, zinc and arsenic.

Wider milky quartz veins, containing coarse blebs of chalcopyrite and pyrite, are found nearby but gold values for these veins are lower. Float sample 28678, taken from vein material of this type, returned 360 ppb gold, 5600 ppm copper and low values for other precious and base metals.

On the eastern part of the grid two samples returned elevated silver, lead and zinc, but low gold and copper values. Both samples are from narrow quartz-pyrrhotite veins which strike northerly and dip moderately towards the west. Sample 28679, taken from a 5 centimetre wide vein hosted within argillite (Unit 8A), returned 65 ppm silver, 2400 ppm lead, 1100 ppm zinc and 970 ppm arsenic. Sample 28680, taken from a similar vein hosted within andesitic tuff (Unit 8), returned values of 23 ppm silver, 1200 ppm lead, 1200 ppm zinc and 210 ppm arsenic.

7.0 GEOCHEMISTRY

Soil sampling on the Anuk River East Grid has revealed some geochemical anomalies (Figures 6 to 9). Anomalous levels for the major precious and base metals have been determined by statistical analysis of the results of the soil samples taken on the property during 1990. Anomalous levels have been set as background (median value), anomalous (median value plus one standard deviation) and highly anomalous (median value plus two standard deviations). Table 7.0.1 lists the anomalous levels for soil geochemistry on the Anuk River East Grid.

TABLE 7.0.1
ANOMALOUS LEVELS FOR SOIL GEOCHEMISTRY

Element	Background	Anomalous	Highly Anomalous
Gold	7.4 ppb	30 ppb	115 ppb
Silver	*	*	1 ppm
Copper	115 ppm	190 ppm	425 ppm
Lead	13 ppm	24 ppm	72 ppm
Zinc	100 ppm	125 ppm	290 ppm
Arsenic	14 ppm	27 ppm	54 ppm

* Levels could not be established because of the high detection limit (1 ppm) for silver, which was exceeded by only one sample.

A multi-element soil geochemical anomaly, consisting of anomalous to highly anomalous gold, copper, lead, zinc and arsenic, occupies the northeastern part of the Anuk River East Grid, covering an area of approximately 150 metres by 250 metres (Figure 9). The gold anomaly coincides with an area where altered diorite has intruded Stuhini Group volcanics (Figure 5). Samples of diorite float from this area, containing quartz-sulphide veinlets, returned values of up to 2.81 g/tonne (0.082 oz/ton) gold and 2.20% copper. The soil samples which returned the highest gold and copper values were mostly taken in close proximity to the locations of these diorite float samples and it is quite possible that this material is the source of the gold anomaly and has contributed to the copper anomaly.

The copper and other base metal anomalies extend further to

the east than the gold anomaly does, outside of the area where diorite has been mapped, and it appears that a second source may be contributing towards these anomalies. Rock sampling on the property suggests that two generations of quartz-sulphide veins may be present as samples from veinlets within diorite generally returned high gold and copper values but low values for the other base metals whereas samples taken from quartz veins within Stuhini Group rocks generally returned elevated base metal values with very low gold values. It is possible that the eastern part of the major base metal anomaly and several smaller base metal anomalies in the eastern part of the grid may be derived from quartz-sulphide veining in Stuhini Group rocks but further prospecting in these areas will be needed to verify this hypothesis.

Several grab samples were taken from northeast-trending pyrite-sericite-altered fault zones on the property. These samples returned slightly elevated values for lead and, in one case, copper but otherwise low values for base and precious metals.

8.0 GEOPHYSICS

During the 1990 field program VLF-EM and magnetometer surveys were conducted over the Anuk River East Grid. The results of these surveys are summarized by Ballantyne and Visser (1990) in Appendix G. A compilation map (Figure G4) shows the major geophysical anomalies in the grid area. Labels have been given to these anomalies.

Ballantyne and Visser (1990) suggest that a strong magnetic anomaly (M1) in the northwestern part of the grid indicates the presence of a magnetic rock unit. Propylitically-altered diorite (Unit 13E) outcrops within the anomalous area (Figure 5). The diorite, which has intruded Stuhini Group volcanic rocks (Unit 8), may be the source of the anomaly. Coincident with the magnetic anomaly is a weak VLF-EM anomaly (V1). A northeast-striking, pyrite-sericite altered fault zone is exposed just east of the anomalous area. It dips towards the northwest and it is possible that anomaly V1 is a reflection of this structure. Anomalies M1 and V1 coincide with a gold soil geochemistry anomaly described in section 7.0. This anomaly has been related to quartz-sulphide veinlets within the diorite.

A strong, north-trending VLF-EM anomaly (V2) occurs in the central part of the grid area. Two northeast-trending outcrops occur in the area. The westernmost one consists of interbedded andesitic tuff (Unit 8E) and augite porphyry (Unit 8D). Laminated argillite outcrops about 50 metres to the east. The trend of the anomaly is roughly parallel to the strike of bedding in these rocks but the anomaly crosses between the two outcrops. The southern part of the anomaly is weaker, trends northeasterly and has been offset towards the west by a possible cross-structure. The cause

of anomaly V2 has yet to be determined. A weak magnetic anomaly (M2) parallels anomaly V2. This anomaly coincides with the laminated argillite outcrop. The argillite is pyritic and rusty-weathering and it is possible the anomaly may indicate the presence of other minerals, such as pyrrhotite.

In the eastern part of the grid a steep-faced outcrop of interbedded volcanics and sediments (Unit 8) protrudes from glacial till. Weak VLF-EM anomalies V3 and V4 appear to correspond to this till/rock transition.

9.0 DISCUSSION

Several samples of diorite float, containing quartz-sulphide veinlets, from the western part of the River East Grid returned high gold and copper values. The source of these samples appears to be diorite intrusions in this area and in the cliffs along the northern boundary of the property. A strong multi-element soil anomaly may be partially explained by veining within the diorite but may have additional sources as well. The results of geophysical surveys are consistent with the geology mapped over the grid but a strong VLF-EM anomaly in the central part of the grid remains unexplained. A limited amount of time has been spent on the Anuk River East Grid but the results have been encouraging. More work will be needed to locate the sources of anomalous float samples and soil geochemical anomalies.

Respectfully submitted,
EQUITY ENGINEERING LTD.

Robert Falls

Robert Falls, Geologist

Vancouver, British Columbia
December, 1990

BIBLIOGRAPHY

Alaskan Geographic Society (1979): The Stikine River; V. 6, 94 pp.

Alldrick, D.J., Gabites, J.E. and Godwin, C.I. (1987): Lead Isotope Data from the Stewart Mining Camp, in Geological Fieldwork 1986; British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch, Paper 1987-1, pp. 93-102.

Allen, D.G., A. Panteleyev and A.T. Armstrong (1976): Galore Creek, in CIM Special Volume 15; pp. 402-414.

Anderson, R.G. (1989): A Stratigraphic, Plutonic, and Structural Framework for the Iskut River map area, Northwestern British Columbia, in Current Research, Part E; Geol. Surv. Can. Paper 89-1E, pp. 145-154.

Awmack, H. (1989): Geochemical Report on the OP 1-2 and Pup 1-4 Claims; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Awmack, H., and Yamamura, B.K. (1988): 1988 Summary Report on the JW 2, 4, 5, 6, 7 and 8 Claims; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Brown, D.A., and Gunning, M.H. (1989a): Geology of the Scud River area, North Western British Columbia, (104G/5,6), in Geological Fieldwork 1988; British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch, Paper 1989-1, pp. 251-267.

Brown, D.A., and Gunning, M.H. (1989b): Geology of the Scud River area, North Western B.C. (map); British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch, Open File 1989-7.

Dobell and Spencer (1958): Revised Surface Geology, Ore Blocks and Proposed Exploration; Unpublished map at a scale of 1:2400 prepared for American Metal Climax Inc..

Geological Survey of Canada (1957): Stikine River area, Cassiar District, British Columbia; Geological Survey of Canada Map 9-1957.

Geological Survey of Canada (1988): National Geochemical Reconnaissance, Sumdum - Telegraph Creek, British Columbia (NTS 104F - 104G); GSC Open File 1646.

Holtby, M.H. (1985): Geological, Soil Geochemical, Trenching and Diamond Drilling Programme on the Paydirt Claim Group; British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report #14,980.

Kasper, B. (1989): Geological and Geochemical Report on the Anuk River East Project; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Kerr, F.A. (1948a): Taku River map-area, British Columbia; Geological Survey of Canada, Memoir 248, 84 pp.

Kerr, F.A. (1948b): Lower Stikine and Western Iskut River Areas, British Columbia; Geological Survey of Canada, Memoir 246, 94 pp.

Logan, J.M., and Koyanagi, V.M. (1989a): Geology and Mineral Deposits of the Galore Creek area, Northwestern B.C., 104G/3,4, in Geological Fieldwork 1988; British Columbia Ministry of Energy, Mines, and Petroleum Resources, Geological Survey Branch, Paper 1989-1, pp. 269-284.

Logan, J.M., Koyanagi, V.M., and Rhys, D. (1989b): Geology and Mineral Occurrences of the Galore Creek Area; British Columbia Ministry of Energy, Mines, and Petroleum Resources; Geological Survey Branch Open File 1989-8, Sheet 1 of 2.

Monger, J.W.H. (1977): Upper Palaeozoic rocks of the western Canadian Cordillera and their bearing on Cordilleran evolution; Can. Jour. Earth Sci., V.14, pp. 1832-1859.

Panteleyev, A. (1976): Galore Creek map area, British Columbia, in Geological Fieldwork 1975; British Columbia Ministry of Energy, Mines, and Petroleum Resources; Geological Survey Branch, Paper 1976-1, pp. 79-81.

Ross, K.V. (1989): Geological and Geochemical Report on the Pup Project; Report submitted for assessment credit to the British Columbia Ministry of Energy, Mines and Petroleum Resources.

Souther, J.G. (1971): Telegraph Creek Map Area, British Columbia; Geological Survey of Canada Paper 71-44.

Souther, J.G. (1972): Geology and Mineral Deposits of the Tulsequah map-area, British Columbia; Geological Survey of Canada, Memoir 362, 84 pp.

Souther, J.G., and Symons, D.T.A. (1974): Stratigraphy and Palaeomagnetism of the Mount Edziza volcanic complex, northwestern British Columbia; Geological Survey of Canada Paper 73-32, 48 pp.

Souther, J.G., Brew, D.A., and Okulitch, A.V. (1979): Iskut River 1:1,000,000; Geological Atlas Geological Survey of Canada, Map 1418A.

APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
PL 4-6 AND PUP 6 CLAIMS
(June 15 - October 1, 1990)

PROFESSIONAL FEES AND WAGES:		
Henry Awmack, P. Eng.		
1.0 day @ $400/day	$ 400.00	
Robert Falls, Project Geologist		
3.5 days @ $350/day	1,225.00	
Donald McInnes, Project Manager		
0.25 day @ $300/day	75.00	
David Edwards, Prospector		
3 days @ $300/day	900.00	
Patrick Clay, Sampler		
2.0 days @ $225/day	450.00	
Michael Blusson, Sampler		
2.0 days @ $225/day	450.00	
Kyle Bachman, Sampler		
2.0 days @ $225/day	450.00	
Kel Parry, Sampler		
2.0 days @ $225/day	450.00	
		$ 4,400.00
MOBILIZATION AND SUPPORT COSTS:		
Pro rata according to mandays on each of several properties operated out of the Galore Creek/Porcupine River Camps		3,589.64
CHEMICAL ANALYSES:		
Soil Samples		
176 @ $17.90 each	$ 3,150.40	
Rock Geochemical Samples		
13 @ $21.90 each	284.70	
		3,435.10
EXPENSES:		
Radio Rental	$ 77.50	
Office Equipment	155.00	
Printing and Reproductions	835.58	
Accommodation	2,010.00	
Helicopter Charters	2,450.00	
		5,528.08
GEOPHYSICAL SUBCONTRACT		1,237.50
		18,190.32
MANAGEMENT FEE @ 15%		2,728.55
		20,918.87
REPORT (estimated)		3,000.00
		$ 23,918.87

APPENDIX C

ROCK DESCRIPTIONS

AD Adularia
AK Ankerite
AS Arsenopyrite
AZ Azurite
BI Biotite
BO Bornite
CA Calcite
CB Carbonate
CC Chalcocite
CL Chlorite
CP Chalcopyrite
CY Clay
DO Dolomite
EP Epidote
GE Goethite
GL Galena
HE Hematite
JA Jarosite
KF K-Feldspar
LI Limonite
MC Malachite
MG Magnetite
MN Manganese
MO Molybdenite
MR Mariposite
MS Sericite
PO Pyrrhotite
PY Pyrite
QZ Quartz
SI Silica
SP Sphalerite
TT Tetrahedrite

Property : Anuk River East (KGG90-04) NTS : 104G/3W, 4E Date : 12/20/90

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338445	N		Float	NONE OBSERVED							
	348640	E	Strike Length Exp. :	m	Sulphides	: 1%PY						
28676	Elevation: 1140 m		Sample Width :	m	Oxides	: LI	25	2	90	180	17	13
	Orientation: /		True Width :	m	Host	: Unknown						

Comments : Quartz float containing 1-2mm wide pyrite stringers. At 5+00S, 2+04E on the Anuk River East Grid.

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338455	N		Float	NONE OBSERVED							
	348650	E	Strike Length Exp. :	m	Sulphides	: 1%PO						
28677	Elevation: 1150 m		Sample Width :	m	Oxides	: LI	<5	<1	60	110	3	25
	Orientation: /		True Width :	m	Host	: Unknown						

Comments : Quartz float at 4+95S, 2+12E on the Anuk River East Grid.

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338870	N		Float	NONE OBSERVED							
	348115	E	Strike Length Exp. :	m	Sulphides	: 2%CP,2%PY						
28678	Elevation: 1050 m		Sample Width :	m	Oxides	: MC,LI	360	5	<5	5600	10	24
	Orientation: /		True Width :	m	Host	: Unknown						

Comments : Quartz float with coarse sulphide blebs at approximately 1+00S, 3+35W on the Anuk River East Grid.

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338 870	N		Grab	NONE OBSERVED							
	348 630	E	Strike Length Exp. :	3.00 m	Sulphides	: <1%PO						
28679	Elevation: 1160.0 m		Sample Width :	5 cm	Oxides	: LI	10	65	970	340	2400	1100
	Orientation: 160 / 48 W		True Width :	5 cm	Host	: Argillite and tuff(?)						

Comments : Narrow quartz vein.

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338 845	N		Grab	NONE OBSERVED							
	348 870	E	Strike Length Exp. :	4.00 m	Sulphides	: <1%PO						
28680	Elevation: 1230.0 m		Sample Width :	6.00 cm	Oxides	: LI	10	23	210	180	1200	1200
	Orientation: 187 / 48 W		True Width :	5-10 cm	Host	: Andesitic tuff(?)						

Comments : Quartz vein.

Sample No.	Location			Type	Alteration		Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	6338 820	N		Grab	NONE OBSERVED							
	348 360	E	Strike Length Exp. :	30.00 m	Sulphides	: 1-5%PY						
28681	Elevation: 1075.0 m		Sample Width :	10.00 cm	Oxides	: LI	15	7	85	140	300	280
	Orientation: 145 / 18 W		True Width :	m	Host	: Sheared augite porphyry						

Comments : Shear zone along margin of outcrop.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6338920	N	Float			CL, MS, EP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348145	E	Strike Length Exp. :	m	Sulphides :	<1%PY						
28682	Elevation:	1080 m		Sample Width :	m	Oxides :	LI	>1000	<1	110	330	28	72
	Orientation:	/		True Width :	m	Host :	Altered diorite?						

Comments : 0+50S, 3+00W on Anuk East grid. Location of anomalous soil sample, 330 ppb Au.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6338 950	N	Float			QZ>CL>EP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 205	E	Strike Length Exp. :	0.00 m	Sulphides :	5%CP, 1%PY						
39388	Elevation:	1040.0 m		Sample Width :	30.00 cm	Oxides :	GE=MC=MN	>1000	12	40	20000	180	320
	Orientation:	/		True Width :	m	Host :	Diorite(?)						

Comments : Sample taken from float on diorite outcrop. Quartz-(black)chlorite veinlets cutting chlorite-epidote altered diorite. Coarse chalcopyrite in fractures and clots. Pyrite disseminated and in clots.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6338 955	N	Float			QZ>>CL	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 035	E	Strike Length Exp. :	0.00 m	Sulphides :	5%PY						
39389	Elevation:	1081.0 m		Sample Width :	10.00 cm	Oxides :	GE>MN>MC	70	6	45	570	170	150
	Orientation:	/		True Width :	m	Host :	None attached to float						

Comments : White quartz with coarse silvery pyrite. About 70m at a bearing of 250 degrees from PL 6 legal corner post and 20m below (south of) cliff.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6338 780	N	Grab			MS>QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		347 810	E	Strike Length Exp. :	30.00 m	Sulphides :	1%PY						
39390	Elevation:	995.0 m		Sample Width :	5.00 m	Oxides :	GE, JA	100	1	30	130	97	100
	Orientation:	050 / 50 NW		True Width :	5.00 m	Host :	Volcanic						

Comments : Sericite schist with fine grained disseminated pyrite.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6339 020	N	Select			CL, EP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 185	E	Strike Length Exp. :	40.00 m	Sulphides :	3%CP						
39391	Elevation:	1150.0 m		Sample Width :	m	Oxides :	MC, MN	560	6	20	11000	58	180
	Orientation:	/		True Width :	m	Host :	Diorite plug						

Comments : 1% chalcopyrite disseminated along fractures. Best malachite is located above, in cliffs.

Sample No.	Location :			Type :		Alteration :		Au	Ag	As	Cu	Pb	Zn
		6338 970	N	Float			CL, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 200	E	Strike Length Exp. :	0.00 m	Sulphides :	5%CP, 1%PY						
39392	Elevation:	1100.0 m		Sample Width :	10.00 cm	Oxides :	AZ=MC=GE>MN	>1000	13	10	19000	31	160
	Orientation:	/		True Width :	m	Host :	Diorite						

Comments : Four pieces of float near each other in talus below malachite-stained cliffs. Could not trace uphill. Chalcopyrite is in coarse clots and in irregular vuggy quartz veinlets cutting chloritized diorite.

Property : Anuk River East (KGG90-04) NTS : 104G/3W, 4E Date : 12/20/90

Sample No.								Au	Ag	As	Cu	Pb	Zn
	Location :	6339 115	N	Type : Grab	Alteration :	MS>SI, TRMR		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 390	E	Strike Length Exp. : 20.00 m	Sulphides :	2%PY							
39393	Elevation:	1110.0 m		Sample Width : 3.00 m	Oxides :	NONE OBSERVED		10	<1	15	640	25	33
	Orientation:	030 / 39	W	True Width : 3.00 m	Host :	Volcanic							

Comments : Sericite schist in creek gully. Fine-grained disseminated pyrite. Unweathered at sample locality. 5m west, sericite schist is weathered with goethite and jarosite present; not exposed to the east.

Sample No.								Au	Ag	As	Cu	Pb	Zn
	Location :	6339 045	N	Type : Grab	Alteration :	MS		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		348 345	E	Strike Length Exp. : 10.00 m	Sulphides :	1%PY							
39394	Elevation:	1092.0 m		Sample Width : 2.00 m	Oxides :	GE		10	<1	15	130	28	32
	Orientation:	041 / 46	NW	True Width : 2.00 m	Host :	Volcanic							

Comments : Sericite schist on northwest side of major gully which parallels foliation at 041/46NW. Fine grained disseminated pyrite, mostly weathered out.

APPENDIX D

CERTIFICATES OF ANALYSIS

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.
S9420

INVOICE #: 14517
P.O.: R-2137

SAMPLE(S) OF Rock

R. Falls
Project: Anuk River KGG 90-04

REMARKS: Wrangell Samples - Equity Engineering

	Au ppb
28676	25
28677	<5
28678	360

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

Aug 09/90

SIGNED Bernie Ouan

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. S9652

INVOICE #: 14912
P.O.: R-2253

SAMPLE(S) OF Rock

R. Falls
Project: Anuk River

REMARKS: Wrangell Samples - Equity Engineering

	Au ppb	Au ozt
28679	10	
28680	10	
28681	15	
39388	>1000	.083/.081
39389	70	
39390	100	
39391	560	
39392	>1000	.082
39393	10	
39394	10	

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

Aug 25/90

SIGNED Bernice 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
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9420 - 1
T.S.L. File No. :
T.S.L. Invoice No. : 14898

PROJECT: ANUK RIVER KGG9004 EQUITY ENGINEERING LTD. R-2137 ALL RESULTS PPM

ELEMENT		28676	28677	28678
Aluminum	[Al]	370	7400	2100
Iron	[Fe]	28000	19000	11000
Calcium	[Ca]	11000	36000	9900
Magnesium	[Mg]	210	3100	800
Sodium	[Na]	30	60	60
Potassium	[K]	70	210	910
Titanium	[Ti]	8	150	34
Manganese	[Mn]	90	470	320
Phosphorus	[P]	< 2	78	300
Barium	[Ba]	3	5	50
Chromium	[Cr]	68	48	48
Zirconium	[Zr]	3	3	2
Copper	[Cu]	180	110	5600
Nickel	[Ni]	12	15	2
Lead	[Pb]	17	3	10
Zinc	[Zn]	13	25	24
Vanadium	[V]	1	23	7
Strontium	[Sr]	40	87	62
Cobalt	[Co]	19	23	4
Molybdenum	[Mo]	< 2	< 2	< 2
Silver	[Ag]	2	< 1	5
Cadmium	[Cd]	1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5
Yttrium	[Y]	< 1	2	2
Scandium	[Sc]	< 1	< 1	< 1
Tungsten	[W]	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10
Thorium	[Th]	< 10	10	< 10
Arsenic	[As]	90	60	< 5
Bismuth	[Bi]	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10

DATE : AUG-25-1990

SIGNED : Bernie Quinn

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 - 9652 - 1
T.S.L. File No. : E:M7748
T.S.L. Invoice No. : 15223

ATTN: J. FOSTER PROJECT: ANUK RIVER EQUITY ENGINEERING LTD. R-2253 ALL RESULTS PPM

ELEMENT		28679	28680	28681	39388	39389	39390	39391	39392	39393	39394
Aluminum	[Al]	7000	2900	14000	9100	1500	5300	10000	7700	2400	4100
Iron	[Fe]	37000	44000	40000	40000	19000	33000	26000	32000	30000	23000
Calcium	[Ca]	27000	16000	12000	5000	2400	4200	11000	8000	21000	2100
Magnesium	[Mg]	2000	1600	6700	5100	990	3300	5200	3900	510	1500
Sodium	[Na]	40	40	350	100	60	220	160	130	190	190
Potassium	[K]	1700	460	1000	350	370	1300	690	910	1600	2200
Titanium	[Ti]	290	140	2700	870	62	1800	730	490	640	1300
Manganese	[Mn]	620	190	590	550	160	160	780	620	340	140
Phosphorus	[P]	300	82	620	1300	78	1300	1100	810	920	850
Barium	[Ba]	58	12	46	28	18	46	20	26	29	82
Chromium	[Cr]	55	62	31	56	94	34	22	29	20	19
Zirconium	[Zr]	4	4	12	8	2	5	6	5	4	4
Copper	[Cu]	340	180	140	20000	570	130	11000	19000	640	130
Nickel	[Ni]	3	12	9	4	3	2	2	2	3	< 1
Lead	[Pb]	2400	1200	300	180	170	97	58	31	25	28
Zinc	[Zn]	1100	1200	280	320	150	100	180	160	33	32
Vanadium	[V]	28	17	66	68	7	25	62	27	9	25
Strontium	[Sr]	190	53	28	36	23	29	83	85	110	32
Cobalt	[Co]	8	34	14	12	2	4	4	5	7	2
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2
Silver	[Ag]	65	23	7	12	6	1	6	13	< 1	< 1
Cadmium	[Cd]	4	3	2	10	1	< 1	3	10	< 1	< 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]	60	20	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	2	9	4	< 1	4	5	4	5	3
Scandium	[Sc]	< 1	< 1	4	3	< 1	1	1	1	< 1	1
Tungsten	[W]	40	50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	10	10	30	20	< 10	30	30	20	< 10	< 10
Arsenic	[As]	970	210	85	40	45	30	20	10	15	15
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	40	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	< 5	< 5	10	5	< 5	5	10	5	< 5	< 5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	10	< 10	< 10	< 10	< 10

DATE : SEP-05-1990

SIGNED : Bernie Dunn

T S L LABORATORIES
2-302-48TH STREET, SASKATOON, SASKATCHEWAN S7K 6A4
TELEPHONE #: (06) 931 - 1033
FAX #: (306) 242 - 4717

3

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 - 1439 - 1
T.S.L. File No. : M - 8382
T.S.L. Invoice No. : 16210

PROJECT: ANUK EAST K86 90-04 EQUITY ENGINEERING ALL RESULTS PPM

ELEMENT		28682
Aluminum	[Al]	11000
Iron	[Fe]	30000
Calcium	[Ca]	7000
Magnesium	[Mg]	5800
Sodium	[Na]	190
Potassium	[K]	1600
Titanium	[Ti]	1200
Manganese	[Mn]	590
Phosphorus	[P]	860
Barium	[Ba]	53
Chromium	[Cr]	16
Zirconium	[Zr]	3
Copper	[Cu]	330
Nickel	[Ni]	10
Lead	[Pb]	28
Zinc	[Zn]	72
Vanadium	[V]	39
Strontium	[Sr]	40
Cobalt	[Co]	6
Molybdenum	[Mo]	< 2
Silver	[Ag]	< 1
Cadmium	[Cd]	< 1
Beryllium	[Be]	< 1
Boron	[B]	< 10
Antimony	[Sb]	35
Yttrium	[Y]	4
Scandium	[Sc]	2
Tungsten	[W]	< 10
Niobium	[Nb]	< 10
Thorium	[Th]	30
Arsenic	[As]	110
Bismuth	[Bi]	< 5
Tin	[Sn]	< 10
Lithium	[Li]	< 5
Holmium	[Ho]	< 10

DATE : NOV-02-1990

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.
Prime Capital Place
10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No.
S1439

INVOICE #: 16129
P.O.: R2760

SAMPLE(S) OF Rock

R. Falls
Project ANUK EAST

REMARKS: Equity Engineering KGG 90-04

	Au ppb	Au ozt
28682	>1000	.044

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

Oct 31/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S1782

INVOICE #: 16523
P.O.:

SAMPLE(S) OF Pulps

Project: Anuk River East

REMARKS: Equity Engineering

	Cu %
39388	2.08
39391	1.13
39392	2.20

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

Dec 07/90

SIGNED Bernie Ouan

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.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
2+00S0+00E	10
2+00S0+25E	5
2+00S0+50E	<5
2+00S0+75E	15
2+00S1+00E	10
2+00S1+25E	35
2+00S4+00E	5
2+00S4+25E	5
2+00S4+50E	10
1+00S0+25W	5
1+00S0+50W	<5
1+00S0+75W	<5
1+00S1+00W	<5
1+00S1+25W	<5
1+00S1+50W	5
1+00S1+75W	5
1+00S2+00W	15
1+00S2+25W	10
1+00S2+50W	10
1+00S2+75W	20

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
1+00S3+00W	35
1+00S3+25W	190
1+00S3+50W	75
1+00S3+75W	60
1+00S4+00W	50
1+00S4+25W	50
2+00S0+25W	15
2+00S0+50W	<5
2+00S0+75W	<5
2+00S1+00W	5
2+00S1+25W	<5
2+00S1+50W	5
2+00S1+75W	<5
2+00S2+00W	<5
0+00S0+25E	<5
0+00S0+50E	<5
0+00S0+75E	<5
0+00S2+00E	<5
0+00S2+25E	5
0+00S2+50E	<5

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
0+00S2+75E	<5
0+00S3+00E	<5
0+00S3+25E	<5
0+00S3+50E	<5
0+00S3+75E	<5
1+00SBL	<5
1+00S0+25E	<5
1+00S0+50E	<5
1+00S0+75E	<5
1+00S1+00E	<5
1+00S1+25E	<5
1+00S1+75E	10
1+00S2+00E	<5
1+00S2+25E	<5
1+00S2+50E	10
1+00S2+75E	5
1+00S3+00E	5
1+00S3+25E	<5
1+00S3+50E	<5
1+00S3+75E	<5

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
1+00S4+00E	10
1+00S4+50E	5
0+00S0+25W	<5
0+00S0+50W	5
0+00S0+75W	10
0+00S1+00W	10
0+00S1+25W	10
0+00S1+50W	20
0+00S2+00W	30
0+00S2+25W	120
0+00S2+50W	150
0+00S3+00W	70
0+00S3+25W	35
0+00S3+50W	60
0+00S3+75W	55
0+50S0+25W	10
0+50S0+50W	<5
0+50S1+00W	95
0+50S1+25W	15
0+50S1+50W	5

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
0+50S1+75W	<5
0+50S2+00W	5
BL0+00E	<5
BL0+00E1+25S	<5
BL0+00E1+50S	<5
BL0+00E1+75S	15
BL0+00E0+25S	<5
BL0+00E0+50S	<5
BL0+00E0+75S	<5
2+00S2+25W	<5
2+00S2+50W	<5
2+00S2+75W	<5
2+00S3+00W	10
2+00S3+25W	<5
2+00S3+50W	<5
2+00S3+75W	<5
2+00S4+00W	10
2+00S4+25W	5
2+00S4+50W	<5
2+00S4+75W	<5

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
2+00S5+00W	5
2+00S1+50E	30
2+00S1+75E	<5
2+00S2+00E	<5
2+00S2+25E	<5
2+00S2+50E	<5
2+00S2+75E	5
2+00S3+00E	10
2+00S3+25E	20
2+00S3+50E	10
2+00S3+75E	30
1+50S0+25E	5
1+50S0+50E	10
1+50S0+75E	10
1+50S1+00E	5
1+50S1+25E	<5
1+50S1+50E	5
1+50S1+75E	<5
1+50S2+00E	<5
1+50S2+25E	5

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

Sep 04/90

SIGNED Bernie 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. S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
1+50S2+50E	<5
1+50S2+75E	<5
1+50S3+00E	<5
1+50S3+25E	10
1+50S3+50E	15
1+50S3+75E	5
1+50S4+00E	10
1+50S4+25E	10
1+50S5+00E	10
0+00S1+00E	<5
0+00S1+25E	5
0+00S1+50E	<5
0+00S1+75E	<5
0+00S4+00E	<5
0+00S4+25E	<5
0+00S4+50E	5
0+00S4+75E	<5
1+50S0+25W	<5
1+50S0+50W	5
1+50S0+75W	15

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

Sep 04/90

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 Exploration Ltd.
10th Floor,Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
1+50S1+00W	10
1+50S1+25W	10
1+50S1+50W	<5
1+50S1+75W	<5
1+50S2+00W	5
1+50S2+25W	5
1+50S2+50W	5
1+50S2+75W	10
1+50S3+00W	10
1+50S3+25W	15
1+50S3+75W	55
1+50S4+00W	60
1+50S4+50W	30
1+50S4+75W	50
1+50S5+00W	50
0+50S0+25E	10
0+50S0+50E	30
0+50S0+75E	10
0+50S1+00E	5
0+50S1+25E	5

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

Sep 04/90

SIGNED Bernie 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.
S9587

INVOICE #: 14794
P.O.: R-2216

SAMPLE(S) OF Soils

Project: ANUK River East

REMARKS: Consulidated Gold West P.O. KGG-9004

	Au ppb
0+50S1+50E	5
0+50S1+75E	5
0+50S2+00E	5
0+50S2+25E	10
0+50S2+50E	5
0+50S2+75E	5
0+50S3+00E	10
0+50S3+25E	15
0+50S3+50E	5
0+50S3+75E	10
0+50S4+00E	<5
0+50S4+25E	5
0+50S4+75E	5
0+50S5+00E	10
0+50S3+60W	40
0+50S3+00W	330
0+50S2+25W	30
0+50S2+50W	130
0+50S2+75W	80

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

Sep 04/90

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.
V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 1
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		2+00S0+00E	2+00S0+25E	2+00S0+50E	2+00S0+75E	2+00S1+00E	2+00S1+25E	2+00S4+00E	2+00S4+25E
Aluminum	[Al]	20000	17000	19000	21000	19000	21000	21000	19000
Iron	[Fe]	45000	43000	41000	44000	44000	44000	44000	39000
Calcium	[Ca]	9900	14000	13000	5200	5200	5500	4300	3900
Magnesium	[Mg]	6700	6200	6500	6900	6600	6900	7000	6600
Sodium	[Na]	120	100	120	130	120	150	120	120
Potassium	[K]	550	520	520	500	480	530	560	440
Titanium	[Ti]	1300	1200	1300	1500	1200	1300	1100	1200
Manganese	[Mn]	1100	920	920	1200	1200	1100	1300	930
Phosphorus	[P]	830	830	800	820	810	770	760	760
Barium	[Ba]	46	34	39	44	41	92	42	30
Chromium	[Cr]	33	26	34	38	35	39	42	34
Zirconium	[Zr]	11	10	11	12	8	17	10	9
Copper	[Cu]	120	110	120	150	130	140	110	95
Nickel	[Ni]	27	25	25	27	29	32	26	24
Lead	[Pb]	21	14	12	29	24	25	25	14
Zinc	[Zn]	99	95	90	110	100	100	110	85
Vanadium	[V]	90	67	82	99	89	94	96	91
Strontium	[Sr]	27	37	36	21	21	55	19	15
Cobalt	[Co]	24	23	22	26	25	26	24	21
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	20	20	10	20
Antimony	[Sb]	10	< 5	< 5	< 5	< 5	5	< 5	< 5
Yttrium	[Y]	8	8	7	9	9	8	9	7
Scandium	[Sc]	5	4	5	6	5	6	6	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	40	40	20	40	30	30	30
Arsenic	[As]	15	25	25	25	40	25	30	10
Bismuth	[Bi]	30	30	30	25	30	25	30	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	15	15	15	15	15	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Dan Pilozzi

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 - 9587 - 2
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		2+00S4+50E	1+00S0+25W	1+00S0+50W	1+00S0+75W	1+00S1+00W	1+00S1+25W	1+00S1+50W	1+00S1+75W
Aluminum	[Al]	20000	21000	20000	18000	19000	20000	19000	18000
Iron	[Fe]	39000	42000	40000	37000	36000	40000	41000	38000
Calcium	[Ca]	4000	5800	9300	17000	20000	8500	4300	4000
Magnesium	[Mg]	6800	6800	6700	5800	6000	6600	6500	6400
Sodium	[Na]	130	140	120	150	140	130	130	110
Potassium	[K]	450	680	690	1100	1200	640	500	450
Titanium	[Ti]	1200	1100	1100	1000	1100	1200	1100	980
Manganese	[Mn]	920	1200	1100	1200	1200	1100	1000	940
Phosphorus	[P]	770	900	930	1000	930	1000	940	950
Barium	[Ba]	35	66	65	77	86	46	49	34
Chromium	[Cr]	43	41	41	24	33	41	33	32
Zirconium	[Zr]	11	13	10	10	9	10	9	7
Copper	[Cu]	120	120	110	90	89	94	98	79
Nickel	[Ni]	22	27	25	17	20	25	25	20
Lead	[Pb]	13	16	15	18	17	15	11	10
Zinc	[Zn]	89	110	100	120	120	100	120	87
Vanadium	[V]	97	80	76	58	63	74	70	65
Strontium	[Sr]	19	30	41	71	86	39	24	22
Cobalt	[Co]	21	23	21	18	18	21	21	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	20	< 10	10	10	20	10	10
Antimony	[Sb]	10	5	5	< 5	< 5	10	< 5	< 5
Yttrium	[Y]	7	8	8	8	8	7	7	6
Scandium	[Sc]	6	5	4	3	3	4	4	3
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	30	40	20	30	40	40	40
Arsenic	[As]	< 5	25	25	20	20	10	25	15
Bismuth	[Bi]	25	25	25	30	30	30	25	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	10	15	10	10	10	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis Pidzirski

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 - 9587 - 3
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT	1+00S2+00W	1+00S2+25W	1+00S2+50W	1+00S2+75W	1+00S3+00W	1+00S3+25W	1+00S3+50W	1+00S3+75W
Aluminum [Al]	22000	18000	6000	12000	14000	13000	12000	14000
Iron [Fe]	41000	41000	91000	30000	48000	58000	43000	38000
Calcium [Ca]	11000	5600	1200	5200	2800	2100	3100	3700
Magnesium [Mg]	7200	6700	2600	4900	6000	5200	5500	5700
Sodium [Na]	100	160	90	180	110	90	100	130
Potassium [K]	460	560	260	1700	690	700	620	780
Titanium [Ti]	1100	1200	890	950	1000	940	880	1000
Manganese [Mn]	1200	1000	2000	620	1300	3100	1400	1500
Phosphorus [P]	910	1100	3100	890	1500	2200	1500	1300
Barium [Ba]	41	110	460	87	39	49	44	120
Chromium [Cr]	80	49	4	10	28	8	17	20
Zirconium [Zr]	10	10	12	5	6	8	7	7
Copper [Cu]	110	110	140	85	230	1100	300	450
Nickel [Ni]	35	26	6	7	19	5	9	10
Lead [Pb]	11	15	36	10	18	220	40	95
Zinc [Zn]	93	100	51	79	90	190	120	180
Vanadium [V]	90	73	8	38	54	45	46	50
Strontium [Sr]	52	54	30	87	31	29	33	40
Cobalt [Co]	24	20	19	12	19	25	16	15
Molybdenum [Mo]	< 2	< 2	14	4	< 2	20	< 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	20	10	20	10	10	10	20
Antimony [Sb]	< 5	10	< 5	< 5	15	< 5	< 5	< 5
Yttrium [Y]	6	8	9	6	7	12	7	7
Scandium [Sc]	6	4	< 1	1	3	3	2	2
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	30	40	50	30	50	40	40	40
Arsenic [As]	15	20	< 5	< 5	40	30	25	10
Bismuth [Bi]	30	25	40	15	25	25	20	20
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	10	10	< 5	10	10	< 5	10	10
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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

T.S.L. REPORT No. : S - 9587 - 4
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		1+00S4+00W	1+00S4+25W	2+00S0+25W	2+00S0+50W	2+00S0+75W	2+00S1+00W	2+00S1+25W	2+00S1+50W
Aluminum	[Al]	15000	17000	18000	20000	20000	19000	19000	18000
Iron	[Fe]	55000	57000	39000	40000	41000	43000	38000	38000
Calcium	[Ca]	2400	3600	5300	4700	20000	17000	17000	9100
Magnesium	[Mg]	4600	5800	6500	6700	6500	6400	6600	6400
Sodium	[Na]	100	150	120	140	120	110	110	120
Potassium	[K]	850	580	480	510	600	630	500	440
Titanium	[Ti]	1200	970	1100	1200	1300	1100	1100	1000
Manganese	[Mn]	4600	2100	1000	960	960	970	870	850
Phosphorus	[P]	2400	1600	910	970	850	920	790	810
Barium	[Ba]	81	87	36	36	45	44	36	33
Chromium	[Cr]	10	23	30	32	29	28	43	30
Zirconium	[Zr]	6	8	11	12	11	11	8	10
Copper	[Cu]	210	190	84	76	100	120	92	78
Nickel	[Ni]	9	28	20	21	23	26	24	19
Lead	[Pb]	34	48	16	11	11	19	11	13
Zinc	[Zn]	100	200	96	90	87	99	78	81
Vanadium	[V]	33	51	76	75	73	66	74	82
Strontium	[Sr]	60	34	23	25	48	46	41	27
Cobalt	[Co]	39	33	18	17	22	23	19	17
Molybdenum	[Mo]	8	2	< 2	< 2	< 2	< 2	< 2	< 2
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	< 1	3	< 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	10	< 5	< 5	< 5	< 5
Yttrium	[Y]	14	15	8	7	7	8	6	6
Scandium	[Sc]	2	4	4	4	4	4	3	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	50	50	40	40	40	40
Arsenic	[As]	10	30	30	15	20	20	< 5	30
Bismuth	[Bi]	25	30	25	25	35	35	35	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	5	10	10	10	15	15	10	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 5
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT	2+00S1+75W	2+00S2+00W	0+00S0+25E	0+00S0+50E	0+00S0+75E	0+00S2+00E	0+00S2+25E	0+00S2+50E
Aluminum [Al]	19000	17000	21000	20000	21000	19000	18000	16000
Iron [Fe]	37000	36000	43000	42000	42000	39000	38000	32000
Calcium [Ca]	5900	5300	4600	4000	19000	5700	4600	4200
Magnesium [Mg]	6600	6400	6900	6800	6600	6500	6300	6100
Sodium [Na]	120	110	130	120	150	120	110	110
Potassium [K]	510	430	580	490	690	430	420	370
Titanium [Ti]	1100	1000	1200	1200	1300	930	910	770
Manganese [Mn]	900	870	1100	1100	990	870	850	690
Phosphorus [P]	960	880	900	890	870	940	990	930
Barium [Ba]	33	28	41	33	44	32	30	25
Chromium [Cr]	36	31	43	42	38	28	25	22
Zirconium [Zr]	10	9	9	8	14	9	8	7
Copper [Cu]	78	74	110	85	98	84	69	61
Nickel [Ni]	21	19	28	26	28	22	24	17
Lead [Pb]	11	8	8	11	10	7	5	3
Zinc [Zn]	79	74	95	96	92	91	90	73
Vanadium [V]	76	72	81	71	78	65	59	52
Strontium [Sr]	27	23	27	22	68	22	20	18
Cobalt [Co]	18	16	23	23	21	18	18	13
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]	20	20	10	10	< 10	20	10	10
Antimony [Sb]	< 5	< 5	< 5	< 5	< 5	5	< 5	< 5
Yttrium [Y]	6	6	6	6	7	6	6	5
Scandium [Sc]	4	3	4	3	4	3	3	2
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	40	30	30	40	40	50	40	30
Arsenic [As]	5	20	10	10	5	10	< 5	< 5
Bismuth [Bi]	25	25	30	25	35	25	25	20
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	10	10	15	10	10	15	10	10
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 6
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		0+00S2+75E	0+00S3+00E	0+00S3+25E	0+00S3+50E	0+00S3+75E	1+00SBL	1+00S0+25E	1+00S0+50E
Aluminum	[Al]	17000	19000	17000	18000	20000	23000	24000	23000
Iron	[Fe]	34000	39000	38000	39000	42000	49000	47000	56000
Calcium	[Ca]	8800	14000	5200	4200	4300	4900	4500	5300
Magnesium	[Mg]	6100	6300	6300	6300	6500	7600	7900	7100
Sodium	[Na]	110	130	100	110	110	110	100	100
Potassium	[K]	450	500	360	420	450	450	460	670
Titanium	[Ti]	890	990	880	1100	1000	1300	1300	870
Manganese	[Mn]	690	810	810	820	950	1200	1100	1700
Phosphorus	[P]	890	890	990	920	920	870	880	960
Barium	[Ba]	32	41	28	29	37	46	52	68
Chromium	[Cr]	24	26	23	25	26	83	92	53
Zirconium	[Zr]	7	10	8	8	9	10	10	8
Copper	[Cu]	60	98	86	83	97	160	120	170
Nickel	[Ni]	18	24	22	21	25	49	47	62
Lead	[Pb]	2	3	5	6	6	16	10	7
Zinc	[Zn]	73	94	92	84	100	98	90	100
Vanadium	[V]	57	63	52	64	68	99	110	69
Strontium	[Sr]	24	31	20	20	20	23	25	30
Cobalt	[Co]	14	18	17	17	20	31	29	36
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	5	5	5
Yttrium	[Y]	5	5	5	6	6	8	7	12
Scandium	[Sc]	3	3	3	3	3	6	7	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	20	40	40	40	50	30	40	30
Arsenic	[As]	< 5	< 5	< 5	15	20	25	15	10
Bismuth	[Bi]	25	30	25	25	25	30	35	35
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	10	15	15	15	15	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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

T.S.L. REPORT No. : S - 9587 - 7
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT	1+00S0+75E	1+00S1+00E	1+00S1+25E	1+00S1+75E	1+00S2+00E	1+00S2+25E	1+00S2+50E	1+00S2+75E
Aluminum [Al]	17000	22000	21000	20000	23000	21000	19000	19000
Iron [Fe]	56000	48000	41000	42000	38000	42000	38000	36000
Calcium [Ca]	26000	16000	14000	4700	33000	8500	13000	22000
Magnesium [Mg]	6000	7300	6700	6600	6700	6800	6500	6400
Sodium [Na]	90	100	130	130	190	130	130	120
Potassium [K]	600	500	630	480	860	590	540	500
Titanium [Ti]	990	1100	1200	1200	1500	1100	1100	1100
Manganese [Mn]	1700	1100	940	1000	940	1000	850	770
Phosphorus [P]	880	960	820	810	770	860	810	790
Barium [Ba]	58	36	43	40	57	39	36	32
Chromium [Cr]	28	48	32	34	52	30	27	27
Zirconium [Zr]	10	9	9	11	9	10	10	10
Copper [Cu]	220	170	100	110	83	120	98	90
Nickel [Ni]	48	49	25	25	27	23	19	19
Lead [Pb]	19	12	7	22	5	8	6	5
Zinc [Zn]	140	120	100	98	85	98	81	75
Vanadium [V]	57	68	78	90	90	80	75	74
Strontium [Sr]	170	49	40	19	73	29	35	47
Cobalt [Co]	38	28	21	21	17	22	18	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	< 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	10	5	< 5	< 5	< 5
Yttrium [Y]	7	7	6	8	7	7	6	6
Scandium [Sc]	3	3	4	5	5	4	4	4
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	40	40	40	40	30	40	50	40
Arsenic [As]	5	15	10	20	5	10	15	< 5
Bismuth [Bi]	45	40	35	30	40	30	30	35
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	10	15	15	10	10	15	10	10
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 8
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216

ALL RESULTS PPM

ELEMENT		1+00S3+00E	1+00S3+25E	1+00S3+50E	1+00S3+75E	1+00S4+00E	1+00S4+50E	0+00S0+25W	0+00S0+50W
Aluminum	[Al]	20000	21000	24000	22000	19000	23000	20000	31000
Iron	[Fe]	49000	48000	44000	43000	44000	50000	41000	73000
Calcium	[Ca]	5000	5000	22000	22000	4700	4800	5700	2400
Magnesium	[Mg]	6600	6800	6900	7000	6400	6800	6700	7600
Sodium	[Na]	120	120	130	110	110	120	130	110
Potassium	[K]	540	500	630	670	440	570	670	490
Titanium	[Ti]	1000	1000	1300	1200	920	1000	1200	850
Manganese	[Mn]	1200	1200	1100	870	1300	1500	1000	2100
Phosphorus	[P]	950	990	800	770	850	980	940	1000
Barium	[Ba]	43	40	51	44	44	61	43	43
Chromium	[Cr]	27	30	36	45	27	32	42	39
Zirconium	[Zr]	9	10	10	11	8	10	9	13
Copper	[Cu]	160	160	150	200	130	150	110	210
Nickel	[Ni]	35	31	26	52	25	31	25	28
Lead	[Pb]	10	10	13	4	20	14	12	160
Zinc	[Zn]	140	120	100	89	120	130	96	540
Vanadium	[V]	74	74	89	69	80	84	74	110
Strontium	[Sr]	22	21	50	45	18	21	31	20
Cobalt	[Co]	27	25	26	28	23	28	21	53
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	3
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	< 5	10	< 5
Yttrium	[Y]	7	7	7	6	9	9	7	8
Scandium	[Sc]	4	4	5	4	4	5	4	5
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	30	40	50	30	50	40	40	40
Arsenic	[As]	25	10	5	< 5	30	< 5	10	25
Bismuth	[Bi]	30	30	40	35	30	30	30	45
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	10	10	15	15	10	15
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Dennis 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
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 9
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		0+00S0+75W	0+00S1+00W	0+00S1+25W	0+00S1+50W	0+00S2+00W	0+00S2+25W	0+00S2+50W	0+00S3+00W
Aluminum	[Al]	22000	22000	23000	20000	14000	15000	15000	15000
Iron	[Fe]	53000	64000	62000	67000	56000	54000	52000	50000
Calcium	[Ca]	3800	3400	3200	3700	2700	3200	2900	1100
Magnesium	[Mg]	7000	7100	7400	6800	6100	6100	6200	5200
Sodium	[Na]	120	110	110	100	120	130	110	70
Potassium	[K]	530	440	350	420	570	610	720	540
Titanium	[Ti]	880	990	980	810	1100	1300	1200	1100
Manganese	[Mn]	1600	1700	1700	1500	1300	1400	1400	730
Phosphorus	[P]	1100	1100	930	1200	1700	1800	1900	2200
Barium	[Ba]	41	120	67	40	42	81	74	38
Chromium	[Cr]	26	27	28	30	23	31	33	14
Zirconium	[Zr]	9	10	11	8	5	9	8	7
Copper	[Cu]	160	270	250	190	270	420	540	110
Nickel	[Ni]	21	29	25	23	15	19	18	6
Lead	[Pb]	31	30	23	26	12	16	17	25
Zinc	[Zn]	250	320	400	300	93	120	120	71
Vanadium	[V]	74	81	80	72	50	57	54	52
Strontium	[Sr]	21	20	18	18	38	52	52	32
Cobalt	[Co]	34	49	45	38	27	26	23	10
Molybdenum	[Mo]	< 2	< 2	< 2	< 2	2	4	4	12
Silver	[Ag]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	[Cd]	2	2	2	3	< 1	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Boron	[B]	10	10	10	< 10	20	10	< 10	< 10
Antimony	[Sb]	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	7	6	5	8	6	8	8	5
Scandium	[Sc]	3	4	3	3	2	3	3	2
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	50	50	50	50	40	40	40	30
Arsenic	[As]	55	55	55	75	25	20	35	15
Bismuth	[Bi]	35	35	35	35	30	30	30	25
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	15	10	10	10	5	5
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 10
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216

ALL RESULTS PPM

ELEMENT		0+00S3+25W	0+00S3+50W	0+00S3+75W	0+50S0+25W	0+50S0+50W	0+50S1+00W	0+50S1+25W	0+50S1+50W
Aluminum	[Al]	18000	20000	20000	22000	22000	20000	20000	19000
Iron	[Fe]	69000	63000	62000	45000	42000	47000	42000	48000
Calcium	[Ca]	1300	1500	1600	19000	8800	4600	4500	3900
Magnesium	[Mg]	5900	6500	6500	6700	6700	6900	6500	6600
Sodium	[Na]	100	170	210	150	130	120	130	120
Potassium	[K]	390	760	1000	870	910	560	480	470
Titanium	[Ti]	1400	1900	1800	1300	1100	1100	1300	1000
Manganese	[Mn]	1000	1200	1400	1100	1200	1200	1200	1100
Phosphorus	[P]	2100	1400	1500	970	1100	1000	790	1000
Barium	[Ba]	38	30	46	55	63	53	46	40
Chromium	[Cr]	19	21	20	36	33	62	34	48
Zirconium	[Zr]	9	9	10	11	8	10	10	8
Copper	[Cu]	170	290	250	110	84	110	110	120
Nickel	[Ni]	7	10	9	26	20	28	22	27
Lead	[Pb]	13	18	17	14	16	21	25	20
Zinc	[Zn]	64	87	84	110	110	140	100	140
Vanadium	[V]	55	74	74	76	76	82	92	75
Strontium	[Sr]	29	36	33	100	58	20	17	20
Cobalt	[Co]	15	21	20	22	19	25	22	27
Molybdenum	[Mo]	2	6	6	< 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	20	10
Antimony	[Sb]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	5	5	7	7	8	9	7
Scandium	[Sc]	2	4	2	4	4	5	6	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	50	50	50	40	40	40	30	30
Arsenic	[As]	30	25	20	10	15	45	35	40
Bismuth	[Bi]	30	35	30	35	30	30	25	30
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	10	10	10	15	10	10	10	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis Pilzinski

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 - 9587 - 11
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		0+50S1+75W	0+50S2+00W	BL0+00E	BL0+00E1+25SBL0+00E1+50SBL0+00E1+75SBL0+00E0+25SBL0+00E0+50S				
Aluminum	[Al]	17000	18000	20000	19000	19000	20000	20000	20000
Iron	[Fe]	43000	56000	41000	41000	43000	45000	40000	42000
Calcium	[Ca]	3900	3200	5000	4800	4800	22000	11000	17000
Magnesium	[Mg]	6700	6600	6700	6600	6700	6400	6500	6300
Sodium	[Na]	100	100	130	140	120	140	140	140
Potassium	[K]	480	460	640	470	530	730	810	1000
Titanium	[Ti]	800	980	1200	1300	1100	1200	1100	1100
Manganese	[Mn]	1100	1200	1000	990	1100	990	1100	1100
Phosphorus	[P]	1000	1300	830	740	870	750	840	920
Barium	[Ba]	40	47	46	43	44	54	57	71
Chromium	[Cr]	45	34	41	34	35	31	39	29
Zirconium	[Zr]	7	9	10	11	10	11	11	11
Copper	[Cu]	97	230	120	130	120	130	110	110
Nickel	[Ni]	25	20	28	22	26	26	25	23
Lead	[Pb]	15	17	6	17	13	12	10	11
Zinc	[Zn]	97	120	88	97	97	100	100	98
Vanadium	[V]	68	69	78	98	84	84	72	68
Strontium	[Sr]	19	22	31	22	25	56	52	88
Cobalt	[Co]	24	29	23	22	23	23	22	22
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	20	20	10	< 10	< 10	< 10
Antimony	[Sb]	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	7	6	8	8	8	7	7
Scandium	[Sc]	3	3	4	5	5	5	4	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	20	30	30	30	30	30
Arsenic	[As]	15	25	< 5	25	5	10	< 5	15
Bismuth	[Bi]	15	10	5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	90	110	130	130	120	120	110	110
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis Pilzniak

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 - 9587 - 12
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		BL0+00E0+75S	2+00S2+25W	2+00S2+50W	2+00S2+75W	2+00S3+00W	2+00S3+25W	2+00S3+50W	2+00S3+75W
Aluminum	[Al]	16000	17000	18000	18000	20000	17000	18000	18000
Iron	[Fe]	37000	38000	36000	38000	49000	33000	34000	35000
Calcium	[Ca]	4500	7300	6300	4100	4200	6400	7700	5900
Magnesium	[Mg]	6200	6400	6600	6400	7100	6500	6500	6600
Sodium	[Na]	110	100	120	120	110	110	110	120
Potassium	[K]	560	480	470	480	540	400	400	420
Titanium	[Ti]	750	970	1400	980	920	1300	1300	1400
Manganese	[Mn]	980	850	900	880	1400	670	680	720
Phosphorus	[P]	940	820	830	870	1000	720	720	740
Barium	[Ba]	43	31	34	40	63	20	23	25
Chromium	[Cr]	27	34	43	32	74	35	34	35
Zirconium	[Zr]	6	9	9	7	11	9	11	10
Copper	[Cu]	80	99	90	79	170	58	60	71
Nickel	[Ni]	19	23	22	21	41	16	17	18
Lead	[Pb]	10	9	10	6	7	6	8	6
Zinc	[Zn]	81	80	76	88	100	62	62	71
Vanadium	[V]	63	74	86	68	85	67	89	88
Strontium	[Sr]	29	25	27	25	26	21	23	22
Cobalt	[Co]	17	19	18	17	30	13	14	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	10	5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	6	7	7	10	6	6	6
Scandium	[Sc]	3	4	4	3	7	4	4	4
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	30	30	30	20	40	30	30
Arsenic	[As]	5	10	5	< 5	15	< 5	5	5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	95	90	80	80	75	70	70	70
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 13
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT		2+00S4+00W	2+00S4+25W	2+00S4+50W	2+00S4+75W	2+00S5+00W	2+00S1+50E	2+00S1+75E	2+00S2+00E
Aluminum	[Al]	17000	17000	17000	17000	16000	21000	20000	19000
Iron	[Fe]	36000	34000	39000	37000	32000	40000	41000	37000
Calcium	[Ca]	5000	5500	5000	4800	7000	17000	5100	9300
Magnesium	[Mg]	6500	6600	6500	6500	6400	6600	6700	6500
Sodium	[Na]	120	110	120	110	100	150	150	150
Potassium	[K]	410	390	440	430	390	590	590	570
Titanium	[Ti]	1200	1300	1200	1100	1200	1300	1100	1300
Manganese	[Mn]	720	680	840	810	650	910	980	840
Phosphorus	[P]	800	760	850	810	690	690	800	710
Barium	[Ba]	28	25	35	39	23	47	43	39
Chromium	[Cr]	35	34	34	33	32	36	33	33
Zirconium	[Zr]	10	9	8	9	9	12	11	11
Copper	[Cu]	95	77	120	130	66	98	100	84
Nickel	[Ni]	18	17	19	19	18	22	23	20
Lead	[Pb]	5	5	8	8	5	14	11	9
Zinc	[Zn]	83	68	82	82	63	89	89	77
Vanadium	[V]	83	84	84	79	81	100	86	90
Strontium	[Sr]	23	22	25	23	22	42	22	31
Cobalt	[Co]	15	14	17	17	14	20	21	19
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	10	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	6	6	7	7	6	8	8	7
Scandium	[Sc]	4	4	4	4	4	6	5	6
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	30	30	30	30	20
Arsenic	[As]	10	< 5	< 5	< 5	< 5	15	15	< 5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	60	65	60	60	50	50	50	45
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 14
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049
PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216
ALL RESULTS PPM

ELEMENT		2+00S2+25E	2+00S2+50E	2+00S2+75E	2+00S3+00E	2+00S3+25E	2+00S3+50E	2+00S3+75E	1+50S0+25E
Aluminum	[Al]	22000	22000	22000	21000	21000	22000	21000	20000
Iron	[Fe]	38000	39000	40000	40000	40000	41000	39000	44000
Calcium	[Ca]	33000	29000	28000	16000	19000	19000	18000	5000
Magnesium	[Mg]	6600	6600	6600	6500	6500	6600	6600	6700
Sodium	[Na]	230	210	180	160	160	170	160	120
Potassium	[K]	910	860	780	540	600	660	660	490
Titanium	[Ti]	1400	1400	1300	1400	1400	1200	1200	1300
Manganese	[Mn]	870	880	920	1000	1100	990	890	1200
Phosphorus	[P]	660	650	690	690	710	720	690	760
Barium	[Ba]	54	59	54	43	47	51	52	46
Chromium	[Cr]	36	35	34	27	27	34	34	33
Zirconium	[Zr]	11	13	11	13	12	12	12	10
Copper	[Cu]	76	84	85	100	110	120	94	130
Nickel	[Ni]	19	20	19	18	19	20	21	22
Lead	[Pb]	7	8	14	17	27	16	11	18
Zinc	[Zn]	79	81	94	93	110	95	89	98
Vanadium	[V]	110	100	100	100	100	100	98	100
Strontium	[Sr]	88	78	72	32	37	46	49	20
Cobalt	[Co]	17	19	18	20	21	20	19	25
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	< 5	< 5	< 5
Yttrium	[Y]	7	7	8	8	8	8	7	9
Scandium	[Sc]	6	6	6	6	5	6	6	6
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	30	40	40	30	30
Arsenic	[As]	< 5	< 5	< 5	10	35	15	20	10
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	45	45	45	45	45	40	35	35
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis 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
ATTN: J. FOSTER

T.S.L. REPORT No. : S - 9587 - 15
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216

ALL RESULTS PPM

ELEMENT		1+50S0+50E	1+50S0+75E	1+50S1+00E	1+50S1+25E	1+50S1+50E	1+50S1+75E	1+50S2+00E	1+50S2+25E
Aluminum	[Al]	19000	20000	20000	20000	21000	22000	21000	21000
Iron	[Fe]	42000	46000	44000	43000	44000	40000	39000	40000
Calcium	[Ca]	5300	5500	4500	12000	7200	21000	33000	21000
Magnesium	[Mg]	6600	6700	6700	6600	6700	6800	6600	6600
Sodium	[Na]	130	140	130	130	140	150	150	160
Potassium	[K]	570	570	510	560	550	780	810	740
Titanium	[Ti]	1100	1200	950	960	1100	1100	900	1100
Manganese	[Mn]	1100	1100	1100	1000	1100	960	880	940
Phosphorus	[P]	800	770	770	710	720	690	670	680
Barium	[Ba]	49	48	49	54	52	58	69	58
Chromium	[Cr]	32	33	34	34	34	37	38	35
Zirconium	[Zr]	11	11	12	12	11	11	11	12
Copper	[Cu]	120	120	110	110	110	88	81	93
Nickel	[Ni]	25	23	23	24	24	24	21	22
Lead	[Pb]	19	15	17	13	17	9	6	11
Zinc	[Zn]	110	100	94	90	100	87	83	91
Vanadium	[V]	88	97	99	98	96	100	97	97
Strontium	[Sr]	22	23	19	36	24	60	99	60
Cobalt	[Co]	23	24	23	21	23	21	19	21
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	< 5	< 5	< 5
Yttrium	[Y]	9	8	9	8	8	8	7	8
Scandium	[Sc]	6	6	6	7	6	6	7	6
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	30	30	20	30
Arsenic	[As]	5	25	20	< 5	< 5	< 5	< 5	10
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	35	30	30	35	30	35	30	30
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Dawn 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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 19
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING LTD. R-2216 ALL RESULTS PPM

ELEMENT	1+50S2+00W	1+50S2+25W	1+50S2+50W	1+50S2+75W	1+50S3+00W	1+50S3+25W	1+50S3+75W	1+50S4+00W
Aluminum [Al]	18000	19000	18000	18000	10000	15000	15000	16000
Iron [Fe]	42000	42000	41000	41000	54000	42000	43000	53000
Calcium [Ca]	4500	4800	4500	4600	1500	4200	3600	3000
Magnesium [Mg]	6300	6500	6400	6500	5100	6200	5900	5800
Sodium [Na]	70	80	80	80	40	50	90	80
Potassium [K]	570	550	530	550	390	610	740	710
Titanium [Ti]	900	980	830	940	570	800	820	1100
Manganese [Mn]	1100	1200	1100	1100	970	1100	2900	2000
Phosphorus [P]	950	1000	1000	990	1500	1300	1200	1500
Barium [Ba]	53	52	53	55	130	70	120	160
Chromium [Cr]	31	35	32	33	15	30	17	23
Zirconium [Zr]	8	8	8	9	7	7	7	8
Copper [Cu]	100	95	100	98	90	160	600	340
Nickel [Ni]	24	23	23	23	8	17	13	15
Lead [Pb]	9	11	8	9	19	13	46	34
Zinc [Zn]	100	100	100	100	58	100	160	140
Vanadium [V]	67	71	69	69	32	55	59	57
Strontium [Sr]	27	33	33	35	14	30	57	39
Cobalt [Co]	22	20	20	20	16	19	22	24
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	< 5	< 5	< 5
Yttrium [Y]	7	8	7	7	4	7	9	10
Scandium [Sc]	4	4	3	4	2	3	3	3
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	20	30	30	30	40	40	40	30
Arsenic [As]	10	20	15	20	10	15	10	20
Bismuth [Bi]	< 5	< 5	< 5	5	< 5	5	5	5
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	20	15	20	15	15	15	15	15
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 20
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING LTD. R-2216 ALL RESULTS PPM

ELEMENT		1+50S4+50W	1+50S4+75W	1+50S5+00W	0+50S0+25E	0+50S0+50E	0+50S0+75E	0+50S1+00E	0+50S1+25E
Aluminum	[Al]	12000	13000	11000	20000	19000	21000	21000	21000
Iron	[Fe]	44000	50000	43000	44000	44000	45000	41000	39000
Calcium	[Ca]	3400	2900	3000	11000	5800	22000	14000	22000
Magnesium	[Mg]	5600	5700	5100	6300	6500	6600	6600	6500
Sodium	[Na]	50	50	50	80	80	90	100	120
Potassium	[K]	750	760	870	1000	760	800	720	770
Titanium	[Ti]	760	860	880	910	990	1000	990	1100
Manganese	[Mn]	1500	1600	1700	1300	1200	1400	950	850
Phosphorus	[P]	1300	1500	1500	1100	980	950	830	770
Barium	[Ba]	74	66	64	84	66	59	52	52
Chromium	[Cr]	20	20	11	24	30	47	32	29
Zirconium	[Zr]	6	8	6	8	8	9	9	10
Copper	[Cu]	170	200	180	130	110	150	99	94
Nickel	[Ni]	14	12	8	19	23	31	24	22
Lead	[Pb]	32	32	27	14	14	20	4	2
Zinc	[Zn]	130	120	110	100	110	130	89	83
Vanadium	[V]	45	45	32	67	71	69	78	74
Strontium	[Sr]	30	34	40	78	38	61	41	50
Cobalt	[Co]	20	21	17	21	22	28	20	19
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	< 5	< 5	< 5
Yttrium	[Y]	9	8	7	7	7	7	6	6
Scandium	[Sc]	3	3	2	3	4	4	4	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	30	40	20	20
Arsenic	[As]	5	15	< 5	< 5	< 5	< 5	< 5	5
Bismuth	[Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	10	15	15	15	20	15
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 21
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

ELEMENT	0+50S1+50E	0+50S1+75E	0+50S2+00E	0+50S2+25E	0+50S2+50E	0+50S2+75E	0+50S3+00E	0+50S3+25E
Aluminum [Al]	21000	18000	17000	19000	20000	21000	20000	19000
Iron [Fe]	42000	36000	32000	36000	40000	40000	40000	42000
Calcium [Ca]	11000	16000	20000	20000	10000	20000	5800	4900
Magnesium [Mg]	6700	6100	6100	6300	6600	6500	6600	6700
Sodium [Na]	100	90	70	90	100	120	80	80
Potassium [K]	640	610	450	590	650	760	540	460
Titanium [Ti]	1100	1200	1100	1200	1200	1300	920	990
Manganese [Mn]	960	850	660	750	880	880	900	900
Phosphorus [P]	820	790	730	750	810	800	830	920
Barium [Ba]	47	42	26	36	47	53	45	36
Chromium [Cr]	33	24	22	26	29	29	30	28
Zirconium [Zr]	9	8	8	8	9	9	9	9
Copper [Cu]	110	92	70	90	110	100	92	100
Nickel [Ni]	24	21	15	19	24	22	22	25
Lead [Pb]	6	4	2	5	5	6	6	3
Zinc [Zn]	86	72	59	72	86	87	87	94
Vanadium [V]	80	72	65	70	75	78	76	71
Strontium [Sr]	35	41	45	45	31	44	22	21
Cobalt [Co]	21	18	13	16	20	19	18	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	< 5	< 5	< 5	< 5
Yttrium [Y]	6	6	5	6	6	6	6	6
Scandium [Sc]	4	4	4	4	4	4	4	4
Tungsten [W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium [Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium [Th]	20	30	30	40	30	30	30	30
Arsenic [As]	< 5	< 5	< 5	10	< 5	< 5	< 5	< 5
Bismuth [Bi]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5
Tin [Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium [Li]	15	15	15	15	15	15	15	20
Holmium [Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Dennis 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
808 West Hastings St.
Vancouver B.C. V6C 2X6

T.S.L. REPORT No. : S - 9587 - 22
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING LTD. R-2216 ALL RESULTS PPM

ELEMENT		0+50S3+50E	0+50S3+75E	0+50S4+00E	0+50S4+25E	0+50S4+75E	0+50S5+00E	0+50S3+60W	0+50S3+00W
Aluminum	[Al]	21000	20000	16000	20000	16000	19000	12000	13000
Iron	[Fe]	49000	48000	42000	55000	70000	63000	56000	59000
Calcium	[Ca]	4700	6200	18000	6600	5600	9300	4000	2200
Magnesium	[Mg]	6700	6600	6000	6600	6000	6100	4700	5600
Sodium	[Na]	80	70	60	80	60	70	70	70
Potassium	[K]	490	490	460	540	450	510	1100	660
Titanium	[Ti]	920	850	820	1000	600	850	1000	1100
Manganese	[Mn]	1100	1100	830	1200	1300	1200	1600	1500
Phosphorus	[P]	980	1000	950	1000	1000	990	1600	1700
Barium	[Ba]	47	42	36	45	55	56	92	38
Chromium	[Cr]	28	26	19	25	17	22	12	16
Zirconium	[Zr]	10	9	8	9	11	9	7	8
Copper	[Cu]	130	130	120	170	240	220	200	240
Nickel	[Ni]	29	33	28	39	51	43	14	10
Lead	[Pb]	6	3	< 1	8	10	9	20	24
Zinc	[Zn]	110	120	110	150	210	170	130	90
Vanadium	[V]	75	66	50	62	45	60	33	48
Strontium	[Sr]	21	24	36	26	23	29	51	36
Cobalt	[Co]	24	25	20	28	36	31	25	23
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	2	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	< 5	< 5	< 5	< 5	< 5	< 5
Yttrium	[Y]	7	6	5	7	8	8	17	6
Scandium	[Sc]	4	4	3	3	3	4	2	3
Tungsten	[W]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Thorium	[Th]	40	30	30	50	60	60	30	40
Arsenic	[As]	15	< 5	15	< 5	25	20	10	20
Bismuth	[Bi]	< 5	5	< 5	5	5	< 5	< 5	< 5
Tin	[Sn]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Lithium	[Li]	15	15	15	20	15	15	10	10
Holmium	[Ho]	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis 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

T.S.L. REPORT No. : S - 9587 - 23
T.S.L. File No. : E:M7688
T.S.L. Invoice No. : 15049

ATTN: J. FOSTER PROJECT: ANUK RIVER EAST EQUITY ENGINEERING R-2216 ALL RESULTS PPM

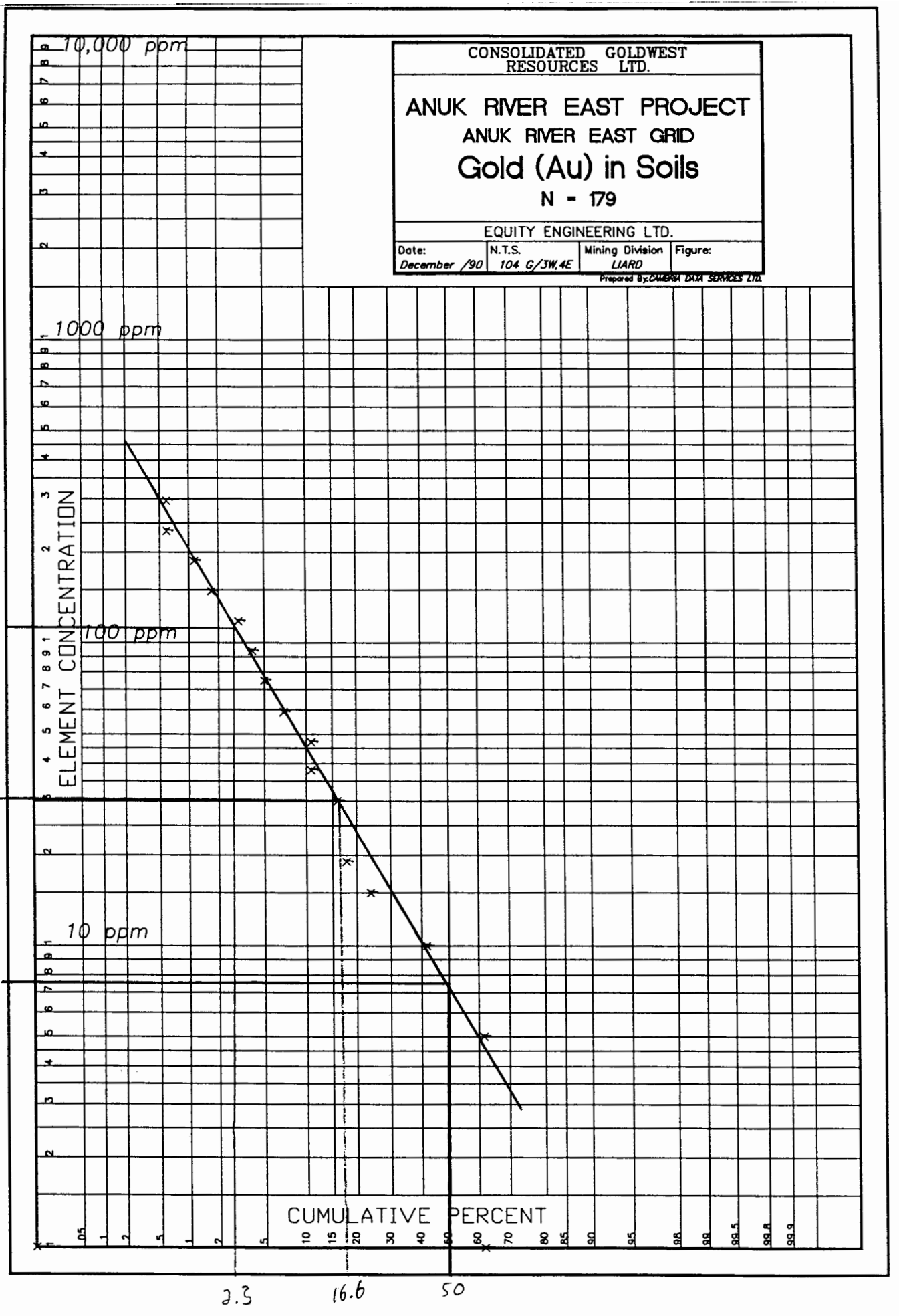
ELEMENT		0+50S2+25W	0+50S2+50W	0+50S2+75W
Aluminum	[Al]	19000	13000	8800
Iron	[Fe]	41000	66000	74000
Calcium	[Ca]	3100	1500	1600
Magnesium	[Mg]	6700	5000	4100
Sodium	[Na]	100	30	30
Potassium	[K]	720	600	700
Titanium	[Ti]	950	1100	950
Manganese	[Mn]	1000	3900	3300
Phosphorus	[P]	1100	2400	2500
Barium	[Ba]	59	34	97
Chromium	[Cr]	85	7	5
Zirconium	[Zr]	7	8	9
Copper	[Cu]	180	370	160
Nickel	[Ni]	45	7	4
Lead	[Pb]	14	11	50
Zinc	[Zn]	91	100	160
Vanadium	[V]	60	34	24
Strontium	[Sr]	34	21	30
Cobalt	[Co]	30	27	24
Molybdenum	[Mo]	< 2	< 2	2
Silver	[Ag]	< 1	< 1	< 1
Cadmium	[Cd]	< 1	< 1	< 1
Beryllium	[Be]	< 1	< 1	< 1
Boron	[B]	< 10	< 10	< 10
Antimony	[Sb]	< 5	< 5	< 5
Yttrium	[Y]	9	8	12
Scandium	[Sc]	3	2	3
Tungsten	[W]	< 10	< 10	< 10
Niobium	[Nb]	< 10	< 10	< 10
Thorium	[Th]	20	40	50
Arsenic	[As]	< 5	35	25
Bismuth	[Bi]	5	5	< 5
Tin	[Sn]	< 10	< 10	< 10
Lithium	[Li]	15	10	5
Holmium	[Ho]	< 10	< 10	< 10

DATE : AUG-30-1990

SIGNED : Denis Pelletier

APPENDIX E

LOG PROBABILITY PLOTS FOR SOIL GEOCHEMISTRY



CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

Gold (Au) in Soils

N = 179

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
December /90	104 G/3W, 4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

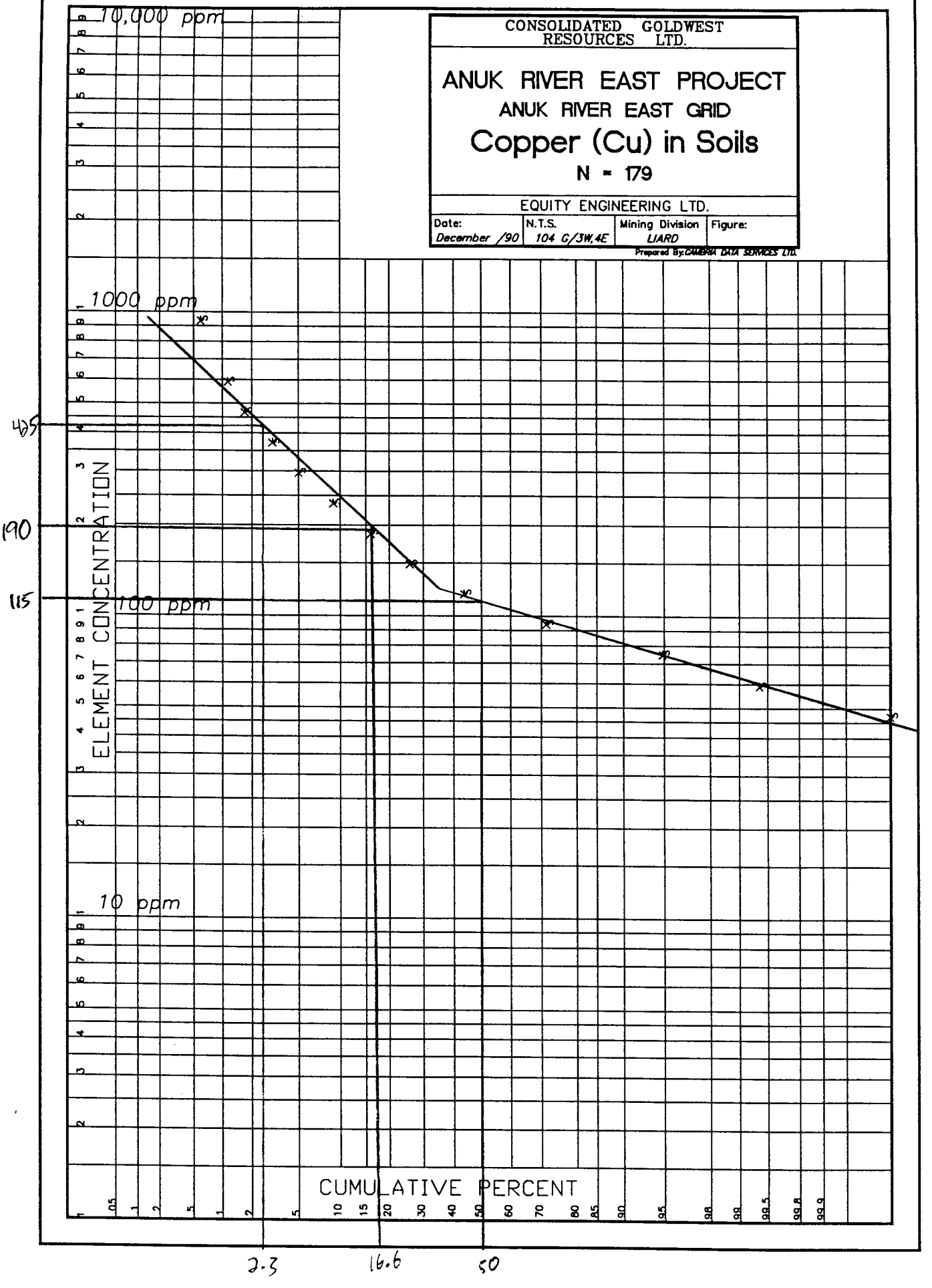
ANUK RIVER EAST GRID

Copper (Cu) in Soils

N = 179

EQUITY ENGINEERING LTD.			
Date: December /90	N.T.S. 104 G/3W,4E	Mining Division LIARD	Figure:

Prepared By: CAMBRA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

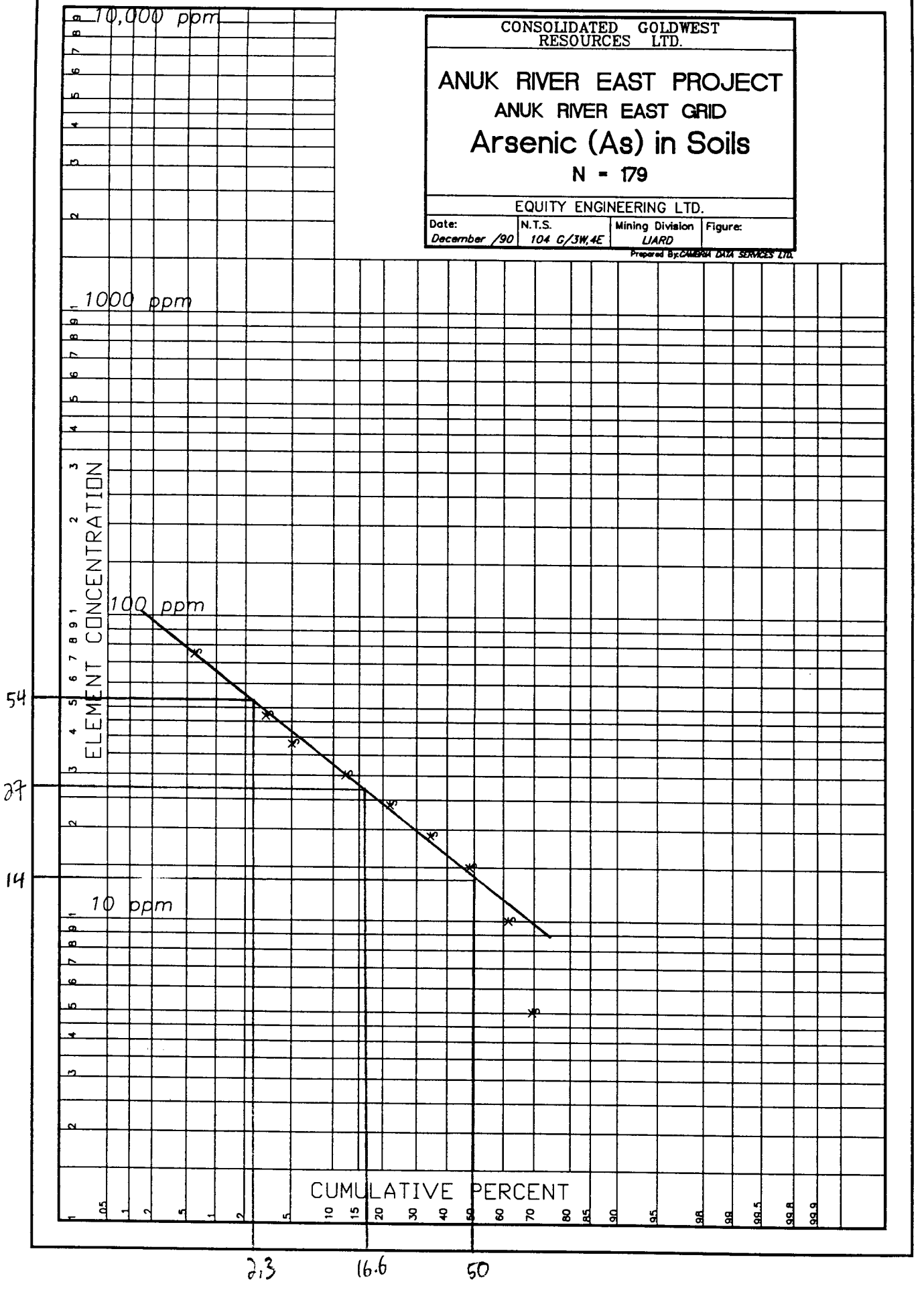
Arsenic (As) in Soils

N = 179

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
December /90	104 G/3W,4E	LIARD	

Prepared By: CAMBRA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

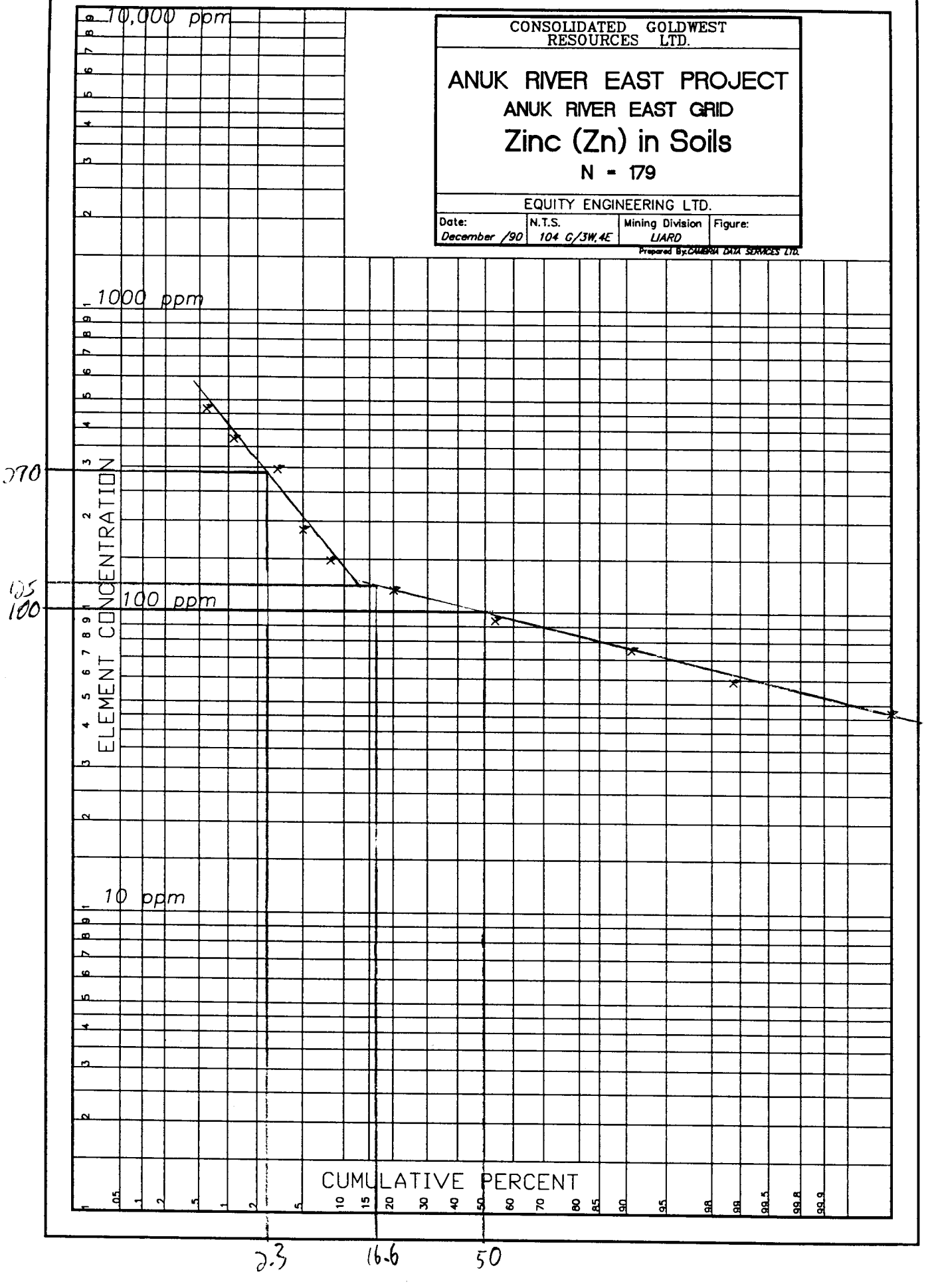
Zinc (Zn) in Soils

N = 179

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
December /90	104 G/3W,4E	LIARD	

Prepared By: CUMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

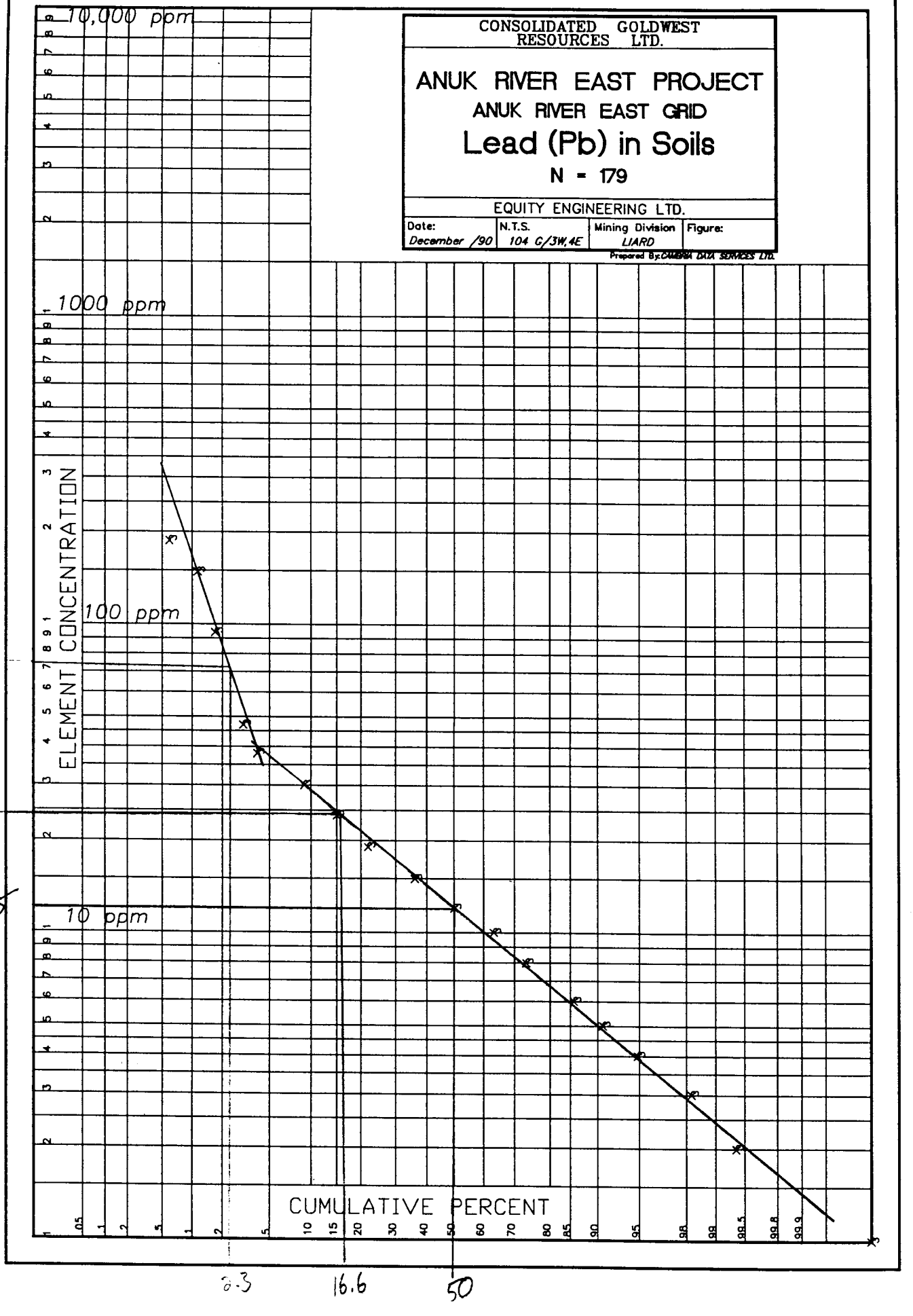
Lead (Pb) in Soils

N = 179

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
December /90	104 G/3W,4E	LIARD	

Prepared By: CAMERA DATA SERVICES LTD.



APPENDIX F

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, ROBERT B. FALLS, of 103-2181 Panorama Drive, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of Toronto with a Bachelor of Science degree in Geology, 1982.

3. THAT my primary employment since 1987 has been in the field of mineral exploration.

4. THAT this report is based on fieldwork carried out under my direction and on assessment reports filed with the province of British Columbia.

5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.

DATED at Vancouver, British Columbia, this 31st day of December, 1990.

Robert Falls

Robert Falls, Geologist

APPENDIX G

GEOPHYSICAL REPORT

MAGNETOMETER AND VLF-EM

SURVEY

ON THE

ANUK RIVER EAST PROJECT

FOR

EQUITY ENGINEERING LTD.

AND

CONSOLIDATED GOLDWEST RESOURCES LTD.

SURVEY BY

SJ GEOPHYSICS LTD.

LIARD, M.D., B.C. N.T.S. 104G/4E

DECEMBER 1990

Report By
Todd Ballantyne
Syd Visser
SJ GEOPHYSICS Ltd.

TABLE OF CONTENTS

INTRODUCTION

A magnetometer and VLF-EM survey was completed by SJ Geophysics Ltd., for Consolidated Goldwest Resources Ltd., at the request of Equity Engineering Ltd., on the Anuk River East Project. The Anuk River East Project is located in the Anuk River Area, B.C., in the Liard, M.D. (N.T.S. 104G/4E).

The purpose of the survey was to search for massive sulphides, to aid in the location of shear zones which may have associated mineralization, and to aid in the mapping of local geology.

INSTRUMENTATION AND FIELD WORK

The field work was performed by Todd Ballantyne (Geophysicist) during the period of August 5 to 10, 1990 which includes 2 production days. A total of 7.15 Km, with stations every 12.5m along mainly flagged lines, were surveyed by magnetometer and VLF-EM.

An EDA OMNI PLUS combined proton precession magnetometer and VLF-EM system was used for data acquisition and an EDA OMNI IV proton precession magnetometer was used as a base station. The VLF-EM survey used signals from Jim Creek (Seattle, 24.8 KHz, NLK) and Hawaii (23.4 KHz, NPM). The direction of the VLF-EM survey is positive north and positive east.

All the data was entered into a field computer in the evening and field plots generated on a dot matrix printer. The data was later plotted on mylar, using a 36 inch pen plotter.

DATA PRESENTATION

The Magnetic data, VLF-EM data, filtered VLF-EM data (using a standard four point Fraser filter), and compilation of the magnetic and VLF-EM data are presented on the following figures:

G1A Magnetics Contours
Total Field

G2A VLF-EM Profiles NPM
Dip Angle, Quadrature

G2B VLF-EM Contours NPM
Fraser Filter Dip Angle

G3A VLF-EM Profiles NLK
Dip Angle, Quadrature & Slope

G3B VLF-EM Contours NLK
Fraser Filtered Dip Angle

G4 Magnetic and 2 VLF-EM Surveys
Compilation Map

INTERPRETATION

The magnetic data outlines a magnetic rock unit in the north west corner of the grid as shown on the compilation map Plate G4. This contact is confirmed by a very weak VLF-EM anomaly. The only other weak magnetic anomaly is located at approximately 175E on line 100S and possibly continues to line 200S. These weak anomalies do not correlate to any VLF-EM anomalies and are likely very local features.

The main VLF-EM anomaly, marked as V2 on the compilation map Plate G4, appears to be a conductive zone with a width of approximately 50m, as outlined by the two conductor axis. This is a very difficult anomaly to interpret because of the effect of local topography and the relative shallow dipping rocks. This anomaly may be interpreted as a narrow shallow dipping conductor with the axis of the conductor somewhere between the two axis, shown

on the compilation map. This anomaly appears to be offset on line 200S south of which the anomaly appears much weaker. This anomaly should be closely correlated to any known geology and geochemistry to determinate its significance.

The remainder weak VLF-EM anomalies V3 and V4 are likely due to geological contacts.

CONCLUSION

The magnetic data outlines a magnetic rock unit in the north western part of the grid and a local magnetic anomaly in the central part of the grid.

The VLF-EM indicates a conductive unit, striking across the central part of the grid, which may be of interest and should be examined further and a number of weak anomalies which are likely geological contacts.

Todd A. Ballantyne, B.Sc.,
Geophysicist

SJ Geophysics Ltd.

Syd J. Visser, B.SC, 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 Fellow of the Geological Association of Canada.

5) I directly and indirectly do not own shares of Consolidated Goldwest Resources Ltd.. I have no interest, directly or indirectly, in the securities or property of Consolidated Goldwest Resources Ltd. or any of its affiliates.

6) I consent to the use by Consolidated Goldwest Resources Ltd. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the office of the Superintendent of Brokers.

Dated at Delta, British Columbia, this 24 day of December 1990.

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

STATEMENT OF QUALIFICATIONS

I, Todd A. Ballantyne, of 3721 West 31st Avenue, Vancouver, British Columbia, hereby certify that,

1) I am a graduate from the University of British Columbia, 1988, where I obtained a B.Sc. Degree in Geophysics.

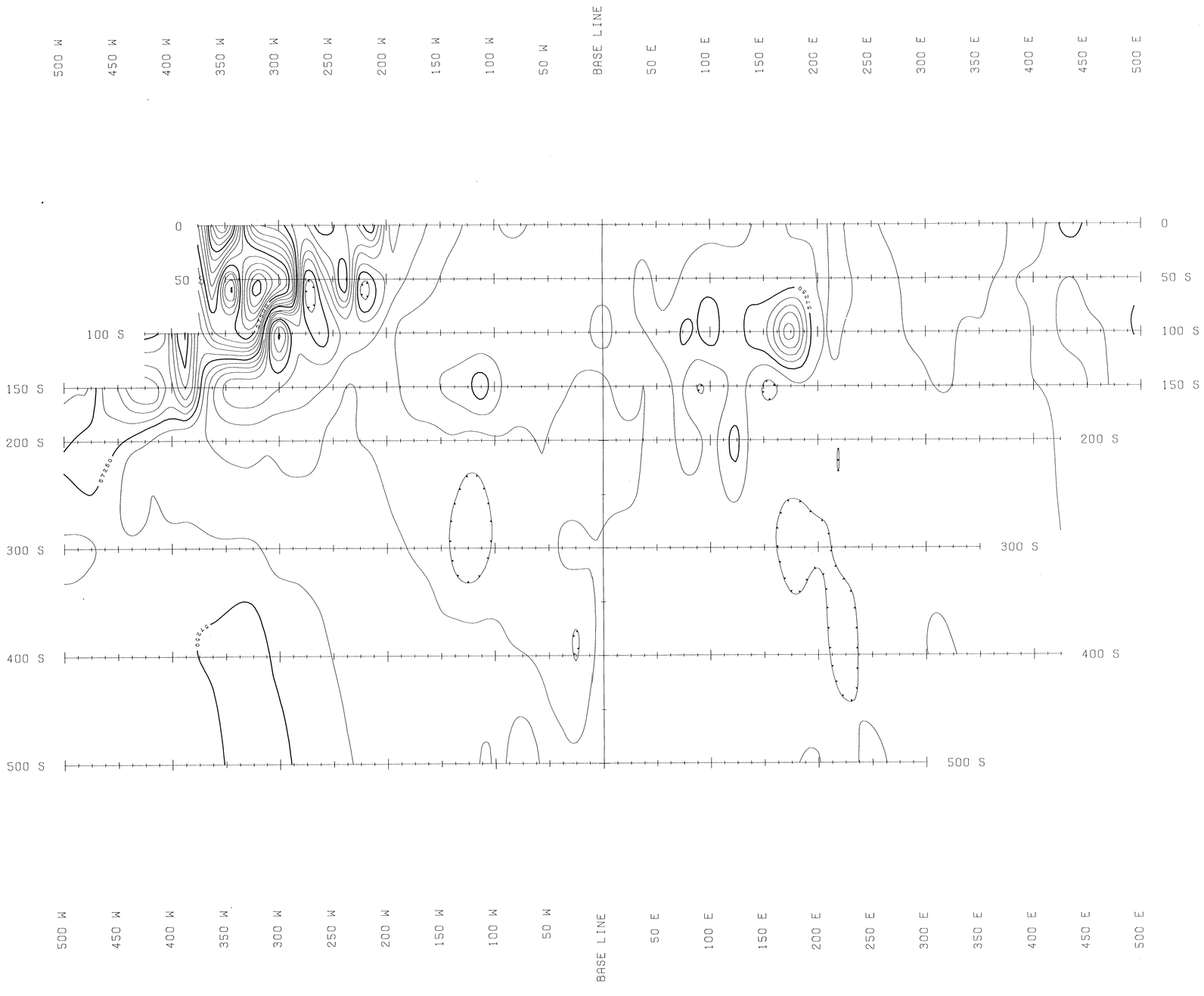
2) I have been engaged in mining exploration since 1987.

3) I directly and indirectly do not own shares of Consolidated Goldwest Resources Ltd.. I have no interest, directly or indirectly, in the securities or property of Consolidated Goldwest Resources Ltd. or any of its affiliates.

4) I consent to the use by Consolidated Goldwest Resources Ltd. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the office of the Superintendent of Brokers.

Dated at Delta, British Columbia, this 24 day of December 1990.

Todd A. Ballantyne, B.Sc.
Geophysicist



N

LEGEND

CONTOUR INTERVAL: 50 NT
POSTED INTERVAL: 250 NT
MINUMUM VALUE: 56712 NT
MAXIMUM VALUE: 58023 NT
INSTRUMENTATION:
FIELD UNIT: EDA OMNI PLUS PROTON PRECESSION MAGNETOMETER
BASE STATION: EDA OMNI IV PROTON PRECESSION MAGNETOMETER

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

MAGNETOMETER SURVEY
TOTAL FIELD CONTOURS

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

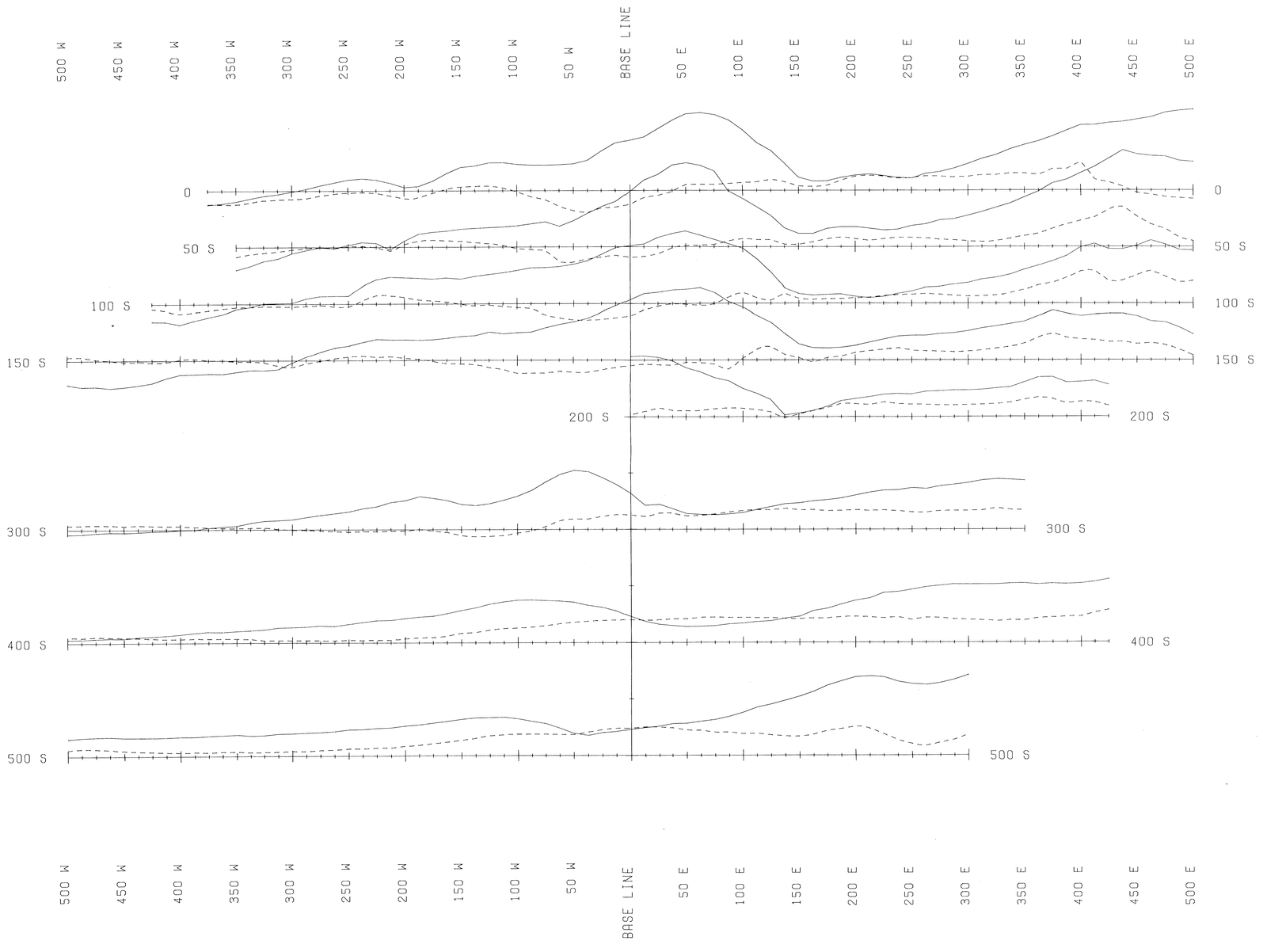
50 0 50 100 150

METRES

AUGUST 1990

PLATE GIA

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



LEGEND

PROFILES POSITIVE UP
DIP ANGLE - SOLID LINES
  PROFILE SCALE: 15 % / CM
  BASE VALUE: 0 %
QUADRATURE - DASHED LINES
  PROFILE SCALE: 15 % / CM
  BASE VALUE: 0 %
INSTRUMENTATION: EDA OMNI PLUS VLF-EM SYSTEM
STATION: NPM 23.4 KHZ. (HAWAII)

SURVEY DIRECTION FACING EAST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

VLF - EM SURVEY

DIP ANGLE & QUADRATURE PROFILES

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

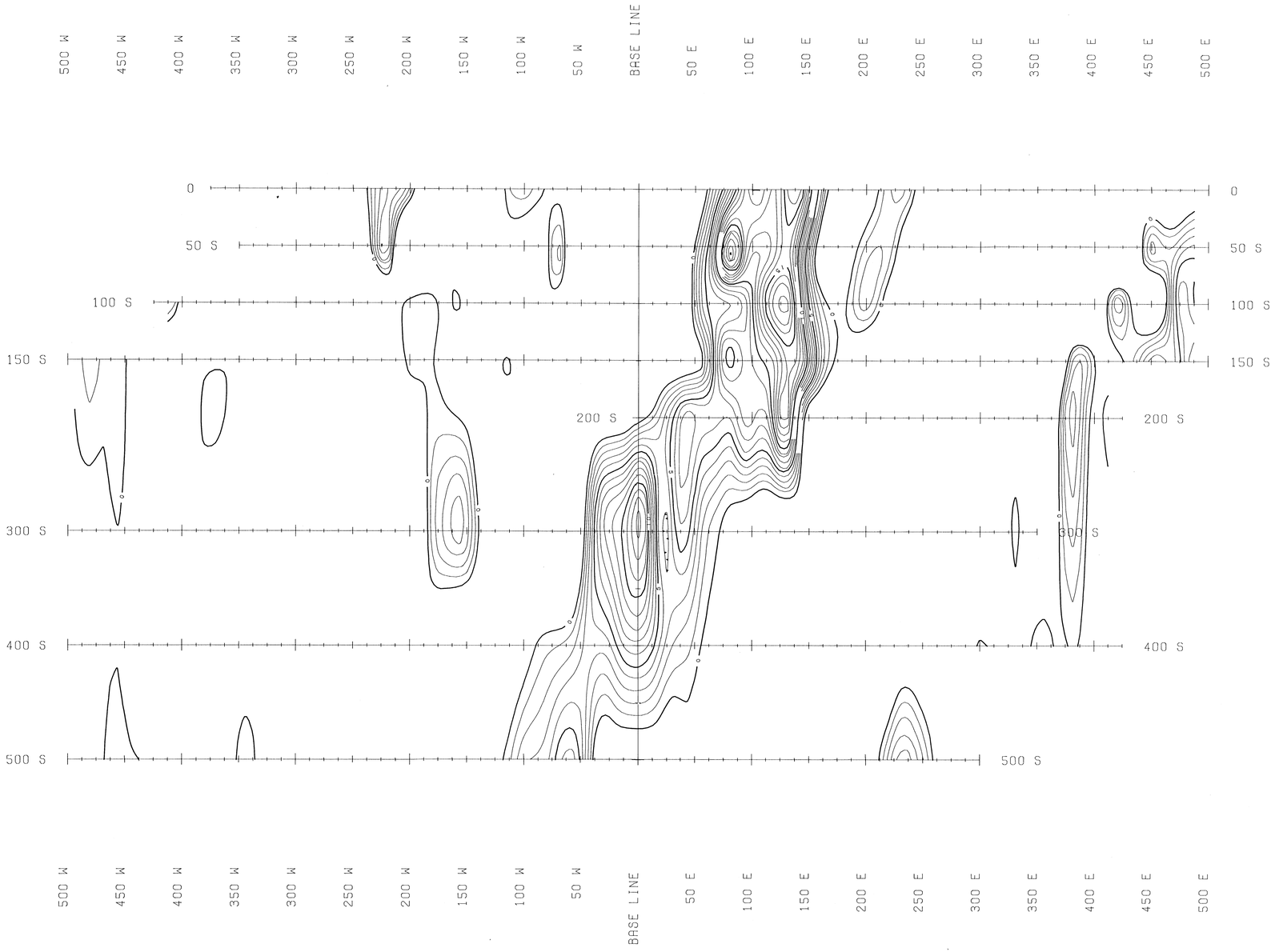
50 0 50 100 150

METRES

AUGUST 1990

PLATE G2A

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



LEGEND

CONTOUR INTERVAL: 1 %
POSTED INTERVAL: 5 %
MAXIMUM VALUE: 23 %
MINIMUM VALUE: 0
NEGATIVE VALUES SUPPRESSED
SURVEY DIRECTION FACING EAST
INSTRUMENTAION:
EDA OMNI PLUS EM-VLF SYSTEM
STATION: NPM 23.4 KHZ. (HAWAII)

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

VLF - EM SURVEY

FRASER FILTERED DIP ANGLE CONTOUR

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

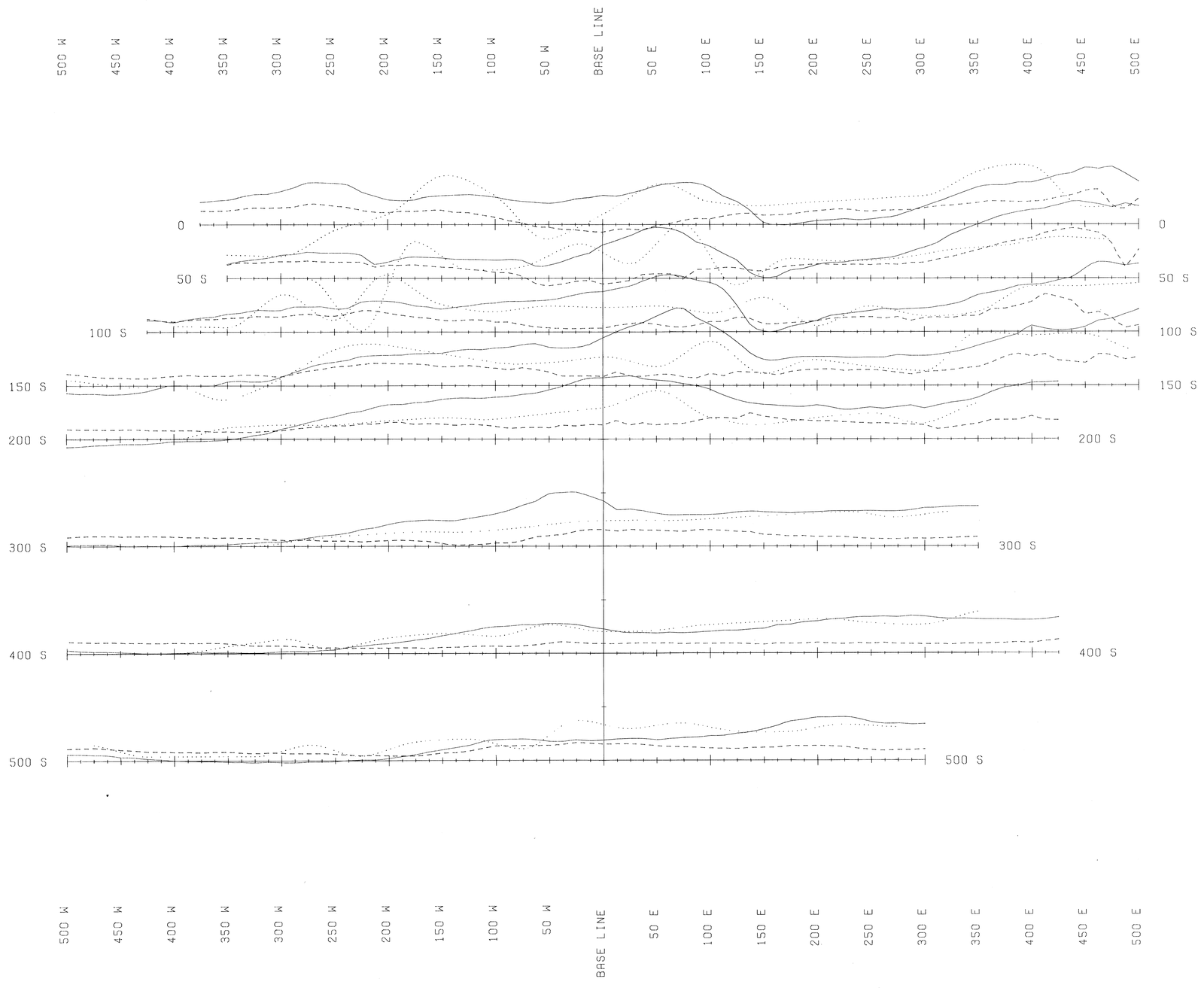
50 0 50 100 150

METRES

AUGUST 1990

PLATE G2B

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



N

LEGEND

PROFILES POSITIVE UP
DIP ANGLE - SOLID LINES
  PROFILE SCALE: 15 % / CM
  BASE VALUE: 0 %
QUADRATURE - DASHED LINES
  PROFILE SCALE: 15 % / CM
  BASE VALUE: 0 %
SLOPE - DOTTED LINES
  PROFILE SCALE: 15 DEG / CM
  BASE VALUE: 0 DEG

SURVEY DIRECTION FACING EAST
STATION: NLK 24.8 KHZ. (SEATTLE)
INSTRUMENTATION: EDA OMNI PLUS VLF-EM SYSTEM

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

VLF - EM SURVEY

DIP ANGLE, QUADRATURE & SLOPE PROFILES

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

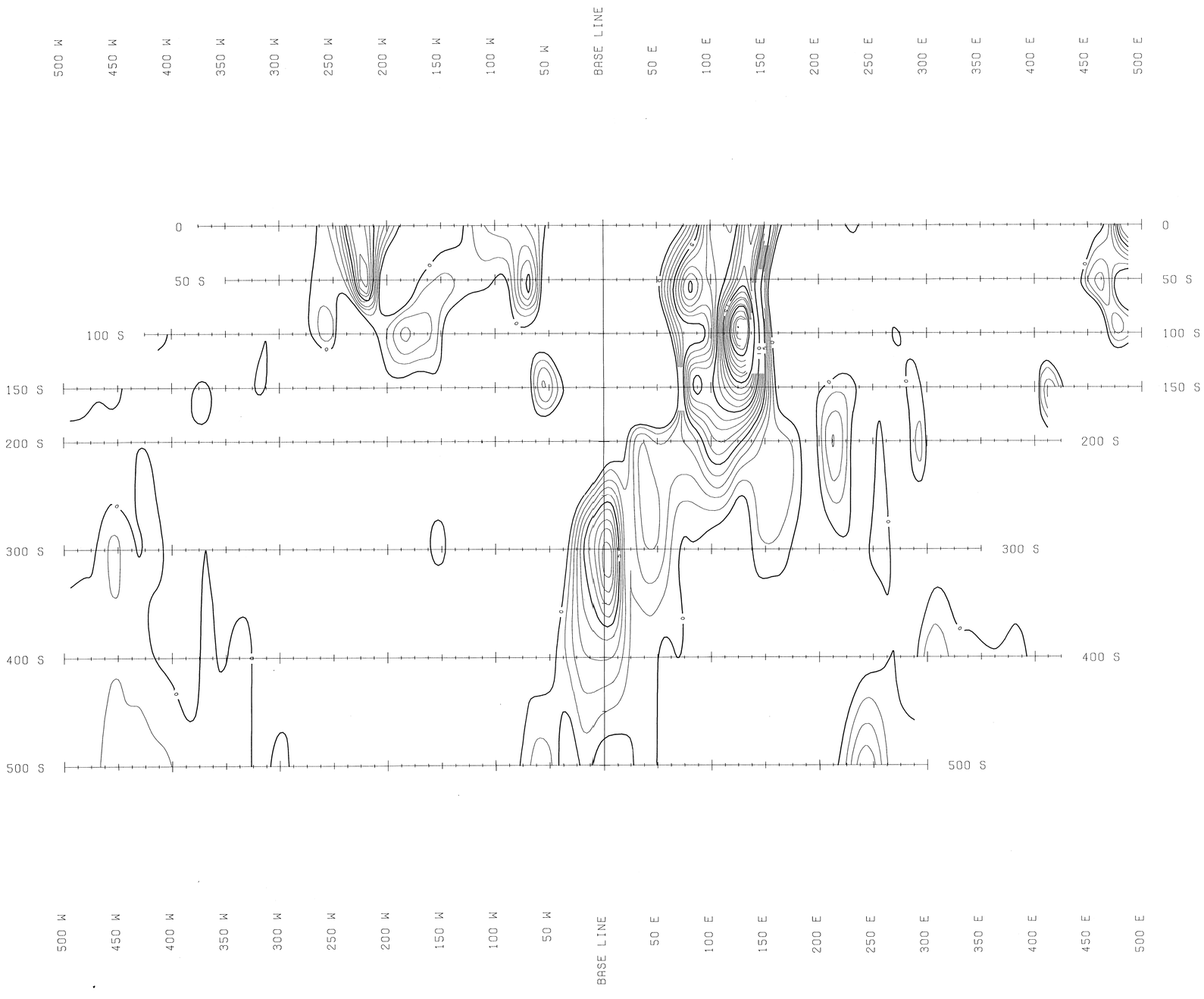
50 0 50 100 150

METRES

AUGUST 1990

PLATE G3A

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



LEGEND

CONTOUR INTERVAL: 1 %
POSTED INTERVAL: 5 %
MAXIMUM VALUE: 27 %
MINIMUM VALUE: 0
NEGATIVE VALUES SUPPRESSED
SURVEY DIRECTION FACING EAST
INSTRUMENTAION:
EDA OMNI PLUS EM-VLF SYSTEM
STATION: NLK 24.8 KHZ. (SEATTLE)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

VLF - EM SURVEY

FRASER FILTERED DIP ANGLE CONTOUR

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

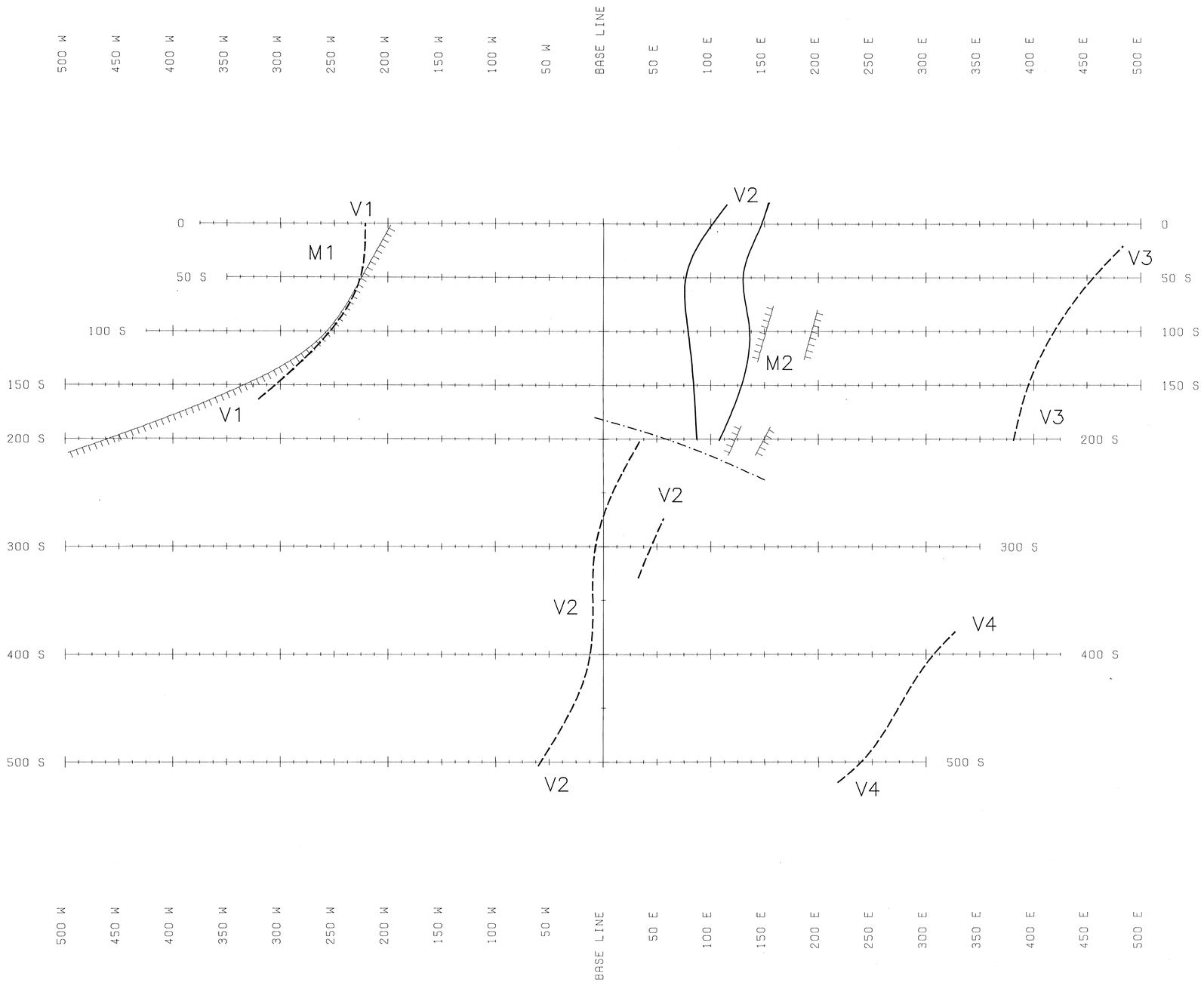
50 0 50 100 150

METRES

AUGUST 1990

PLATE G3B

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



LEGEND

VLF – EM ANOMALY

STRONG

WEAK

MAGNETIC ANOMALY SHOWING WIDTH

HIGH

LOW

POSSIBLE CROSS–STRUCTURES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK EAST GRID

MAGNETOMETER & VLF–EM SURVEY

COMPILATION MAP

LIARD, M.D. N.T.S 104 G/4

SCALE 1 : 2000

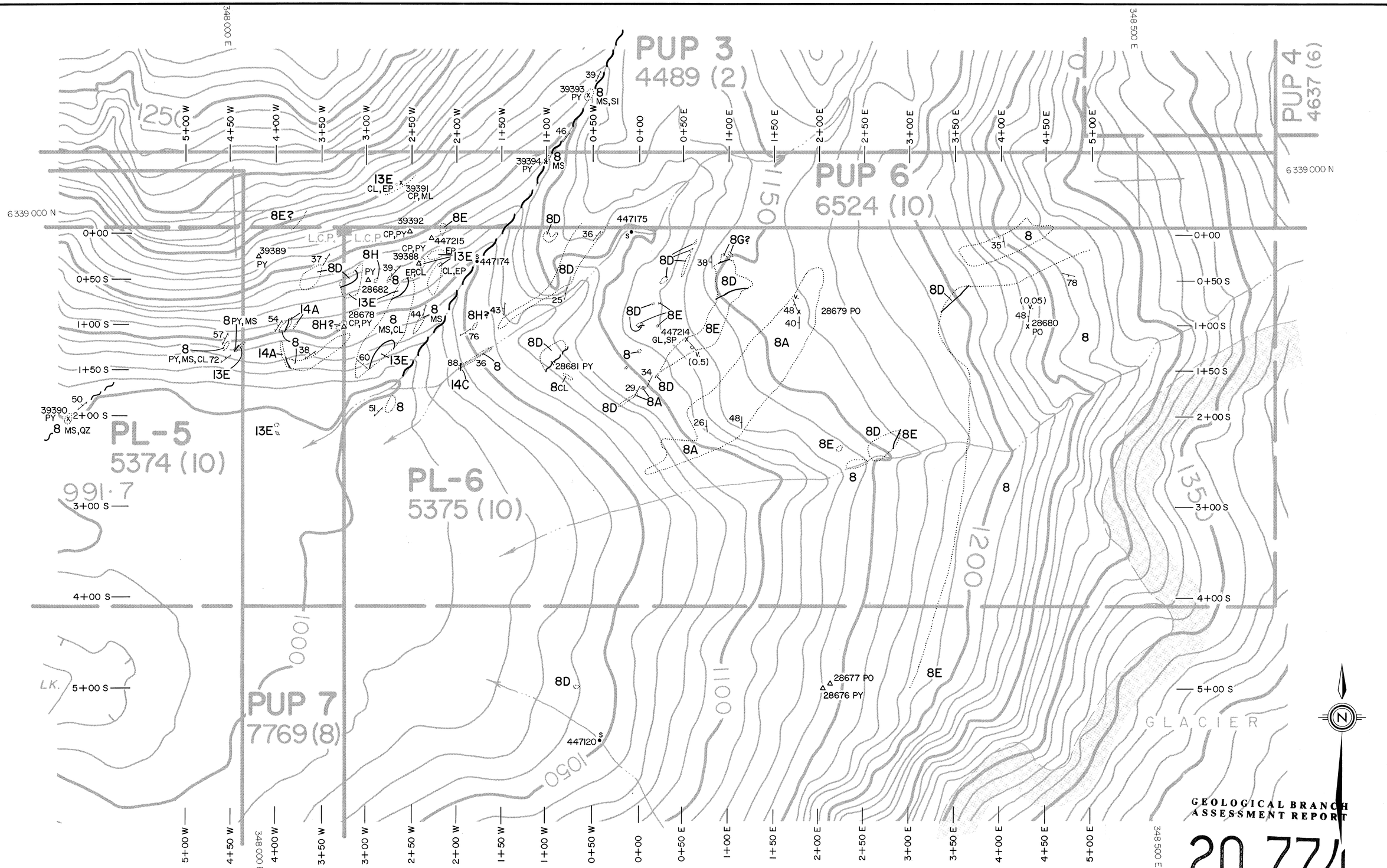
50 0 50 100 150

METRES

AUGUST 1990

PLATE G4

SJ GEOPHYSICS LTD. & EQUITY ENGINEERING LTD.



1990 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
28676	25	2	180	17	13	90
28677	<5	<1	110	3	25	60
28678	360	5	5600	10	24	<5
28679	10	65	340	2400	1100	970
28680	10	23	180	1200	1200	210
28681	15	7	140	300	280	85
28682	1.51g/t	<1	330	28	72	110
39388	2.81g/t	12	2.08%	1300	320	40
39389	70	6	570	78	150	45
39390	100	1	130	1300	100	30
39391	560	6	1.13%	1100	180	20
39392	2.81g/t	13	2.20%	810	160	10
39393	10	<1	640	920	33	15
39394	10	<1	130	850	32	15

1989 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
447214	80	208.8g/t	338	5.92%	356	22
447215	180	2.5	2670	465	196	10

1989 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
447120	5	<0.5	81	5	96	17
447174	45	<0.5	534	20	168	29
447175	65	<0.5	78	20	90	19

LEGEND

TERTIARY
Dykes and Sills
14A Andesite
14C Lamprophyre (biotite minette)

EOCENE
13E Plagioclase porphyritic diorite

UPPER TRIASSIC
Stuhini Group
8 Undivided volcanic and volcaniclastic rocks
8A Interbedded wacke, siltstone and argillite
8D Augite porphyry
8E Andesite ± andesitic crystal tuff
8G Tuffs/tuffaceous sediment
8H Lapilli tuff, pyroclastic breccia and agglomerate

Mineral Abbreviations

CL	Chlorite	MS	Sericite
CP	Chalcopyrite	PY	Pyrite
EP	Epidote	SP	Sphalerite
GL	Galena		

SYMBOLS

- Geological contact
- Rock outcrop
- Fault (approximate)
- 75 — Foliation with dip
- 55 — Bedding with dip
- 50 V. (0.1) V. (0.1) — Vein (dip known, unknown)
- 65 — Dyke with dip
- S — Silt sample
- ▲ X — Rock sample (float, outcrop)
- L.C.P. — Legal Corner Post (defined)

0 50 100 150 200
METRES

Geology adapted in part from Kasper (1989).

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

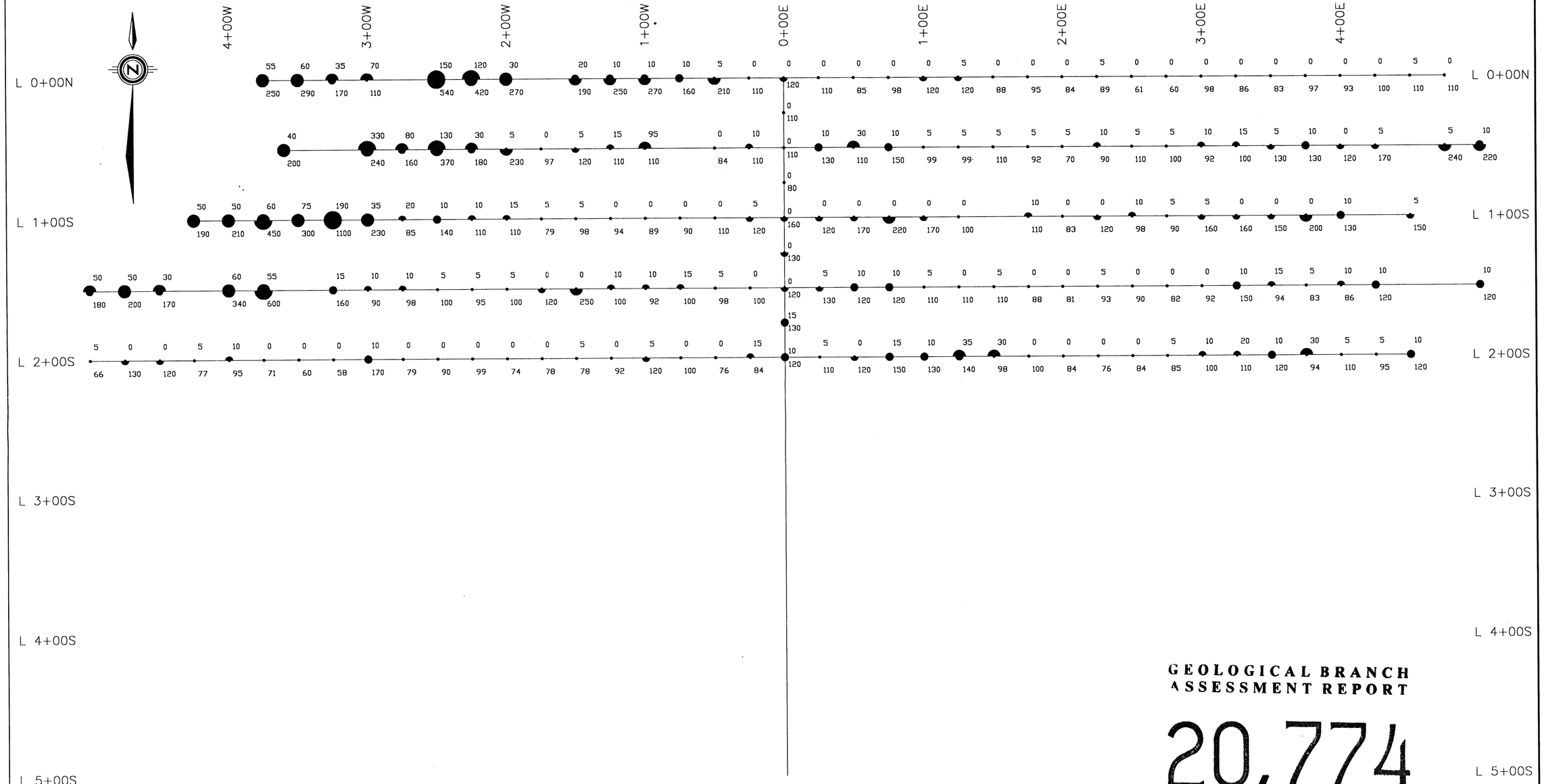
ANUK RIVER EAST PROJECT

GEOLOGY & GEOCHEMISTRY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: R.F. / J.J.E.	MINING DIV.: LIARD	FIGURE 5
N.T.S.: 104G/3W,4E	SCALE: 1:2000	
DATE: DEC., 1990	REVISED:	



LEGEND

Soil location and value

5 5 35 5
18 30 84 32

Gold Anomaly Levels	·	0 < value < 7.4 ppb
	◔	7.4 <= value < 30 ppb
	◑	30 <= value < 115 ppb
	●	115 <= value ppb
Copper Anomaly Levels	·	0 < value < 115 ppm
	◔	115 <= value < 190 ppm
	◑	190 <= value < 425 ppm
	●	425 <= value ppm

Gold determinations below threshold (<5ppb) are shown as 0 ppb.

SCALE: 1:2000

0 50 100 150 200 250

metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

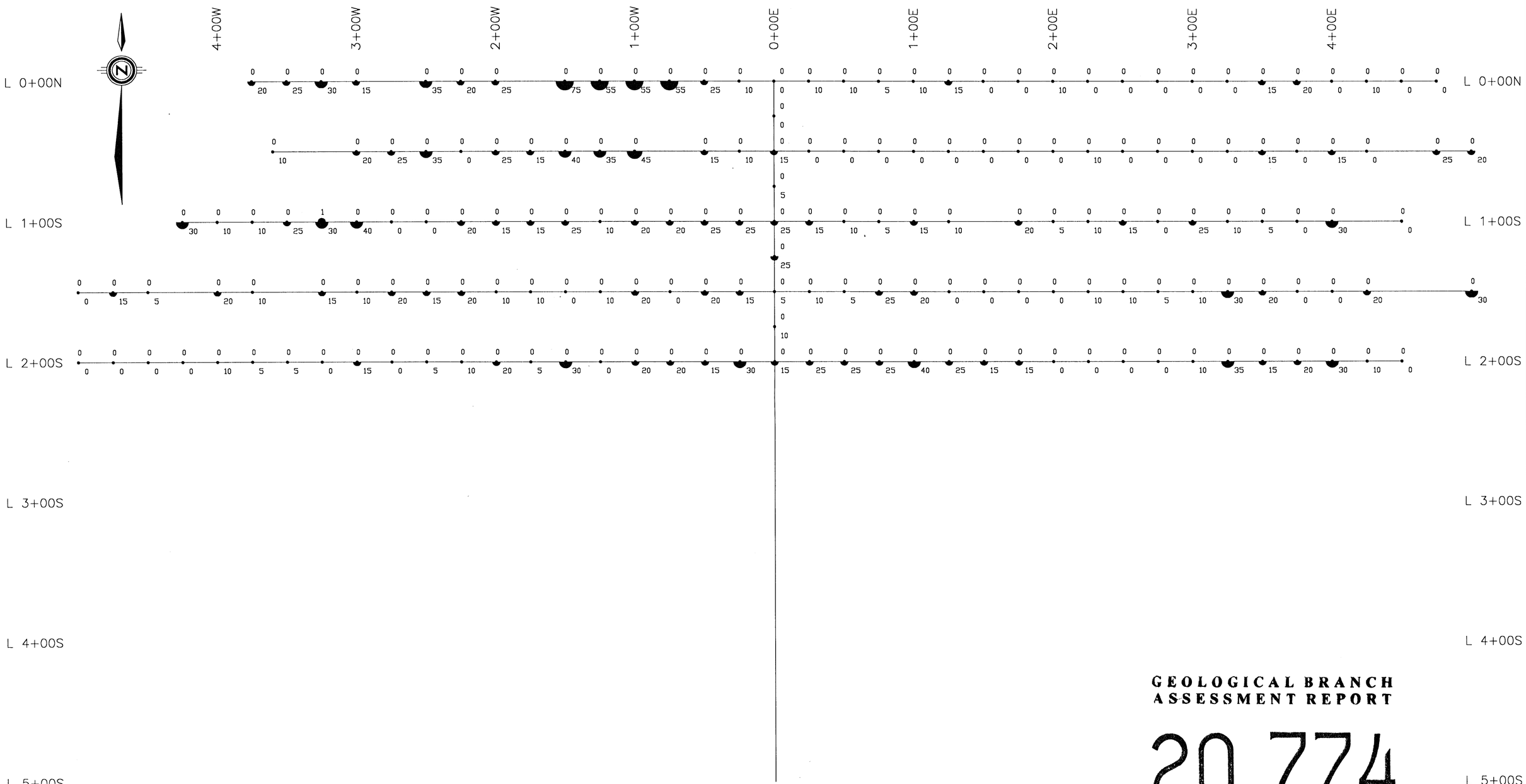
Gold / Copper in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
DECEMBER /90	104 G/3W,4E	LIARD	6

Prepared By: CAMBRIA DATA SERVICES LTD.



LEGEND

Soil location and value

Silver Anomaly Levels
- 0 < value < 1 ppm
- 1 <= value ppm

Arsenic Anomaly Levels
- 0 < value < 14 ppm
- 14 <= value < 27 ppm
- 27 <= value < 54 ppm
- 54 <= value ppm

Arsenic determinations below threshold (<5ppm) are shown as 0 ppm.

SCALE: 1:2000

0 50 100 150 200 250

metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

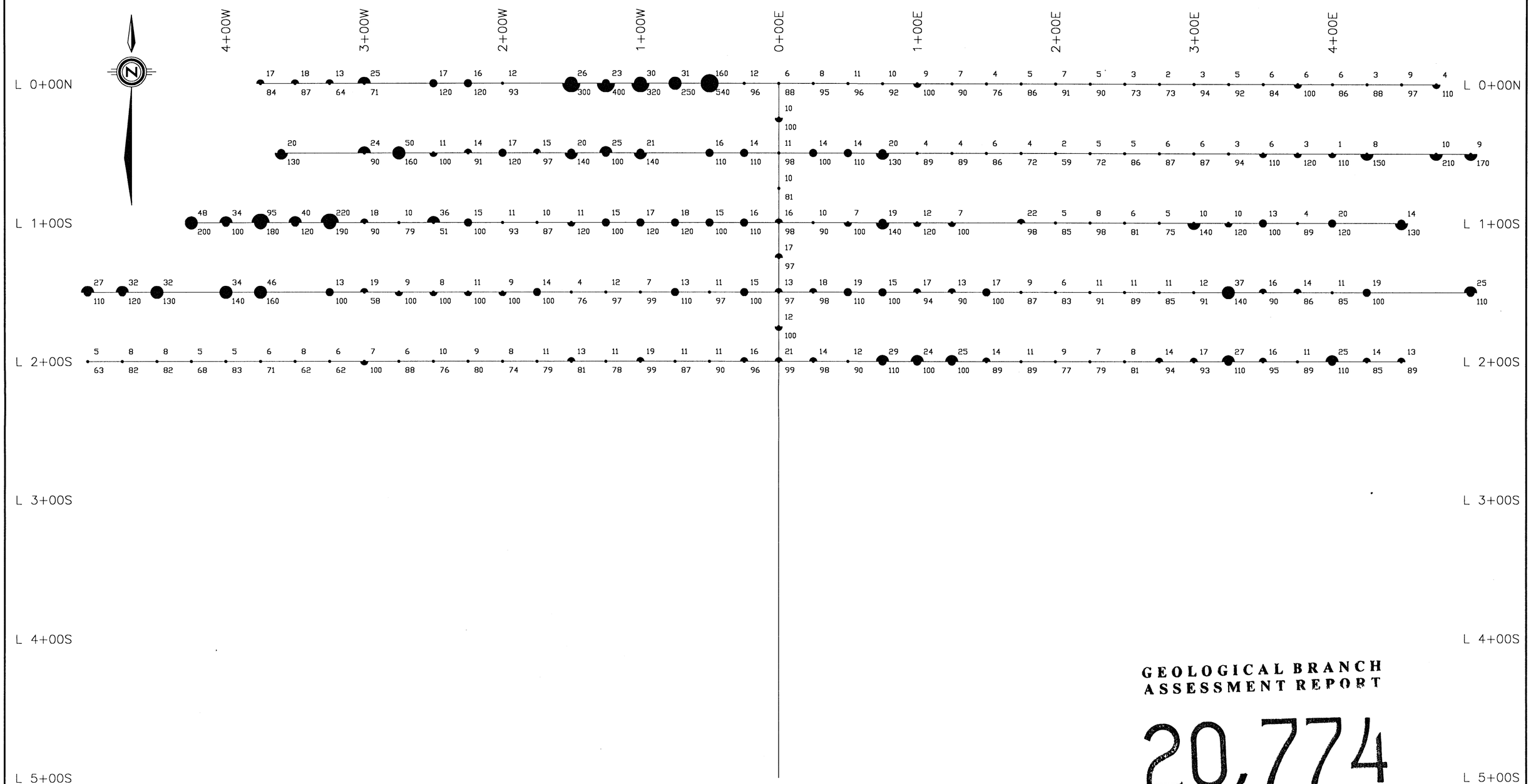
Silver / Arsenic in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
DECEMBER /90	104 G/3W,4E	LIARD	7

Prepared By: CAMBRIA DATA SERVICES LTD.



LEGEND

Soil location and value

5 5 35 5
18 30 84 32

Lead Anomaly Levels		0 < value < 13 ppm
		13 <= value < 24 ppm
		24 <= value < 110 ppm
		72 <= value ppm
Zinc Anomaly Levels		0 < value < 100 ppm
		100 <= value < 125 ppm
		125 <= value < 290 ppm
		290 <= value ppm

SCALE: 1:2000

0 50 100 150 200 250
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

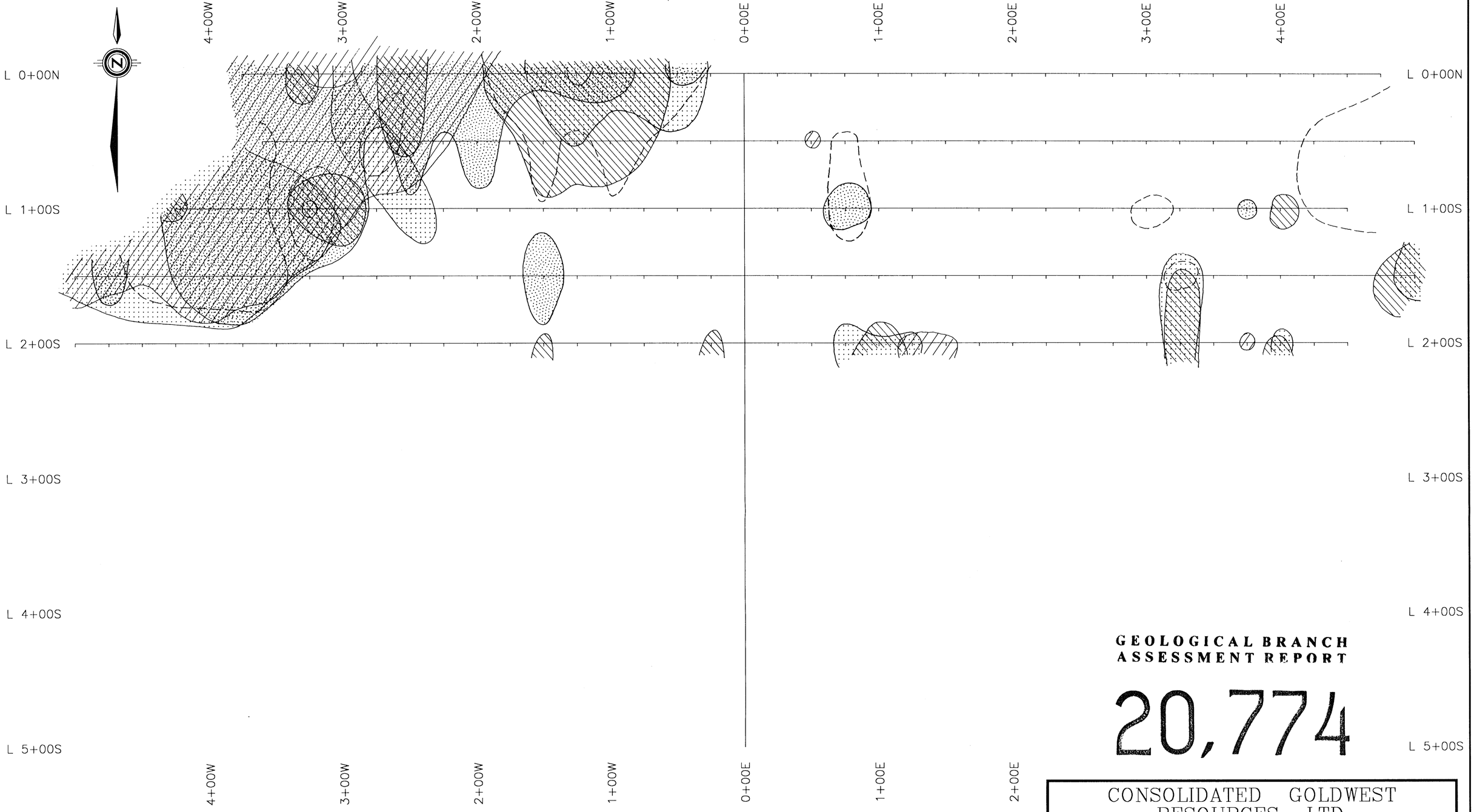
Lead / Zinc in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
DECEMBER /90	104 G/3W, 4E	LIARD	8

Prepared By: CAMBRIA DATA SERVICES LTD.



GOLD ⩾ 30 ppb
ARSENIC ⩾ 27 ppm
COPPER ⩾ 190 ppm
LEAD ⩾ 24 ppm
SILVER ⩾ 1 ppm
ZINC ⩾ 125 ppm

SCALE: 1: 2000

0 50 100 150 200 250
metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,774

CONSOLIDATED GOLDWEST RESOURCES LTD.

ANUK RIVER EAST PROJECT

ANUK RIVER EAST GRID

Soil Compilation Map

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
DECEMBER /90	104 G/3W, 4E	LIARD	9

Prepared By: CAMBRIA DATA SERVICES LTD.