1991 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE SCUD RIVER PROJECT

Located in the Galore Creek Area
Liard Mining Division
NTS 104G/4E,5E,6W
57° 15′ North Latitude
131° 33′ West Longitude

-prepared for-
CONSOLIDATED GOLDWEST RESOURCES LTD.

-prepared by-
Robert Falls, Geologist

September, 1991

1991 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE SCUD RIVER PROJECT

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION

The Scud River property encompasses the JD I-VII, Bell 1-2, PL-1 and CB I-II claims, which were staked in 1988, 1989 and 1990 to cover favourable geology, geochemistry and sulphide-rich float in the Scud River drainage, located approximately 180 kilometres northwest of Stewart in northwestern British Columbia (Figure 1). Exploration programs on the property from 1988 to 1990 resulted in the discovery of gold-bearing skarn float at the toe of the Rugose Glacier and several gold-bearing zones of limited extent across the property. Anomalous soil geochemistry from 1990 suggested that the Twilight Zone, a polymetallic sulphide zone on the RB 11 claim, may extend onto the adjacent Bell 2 claim of the Scud River property.

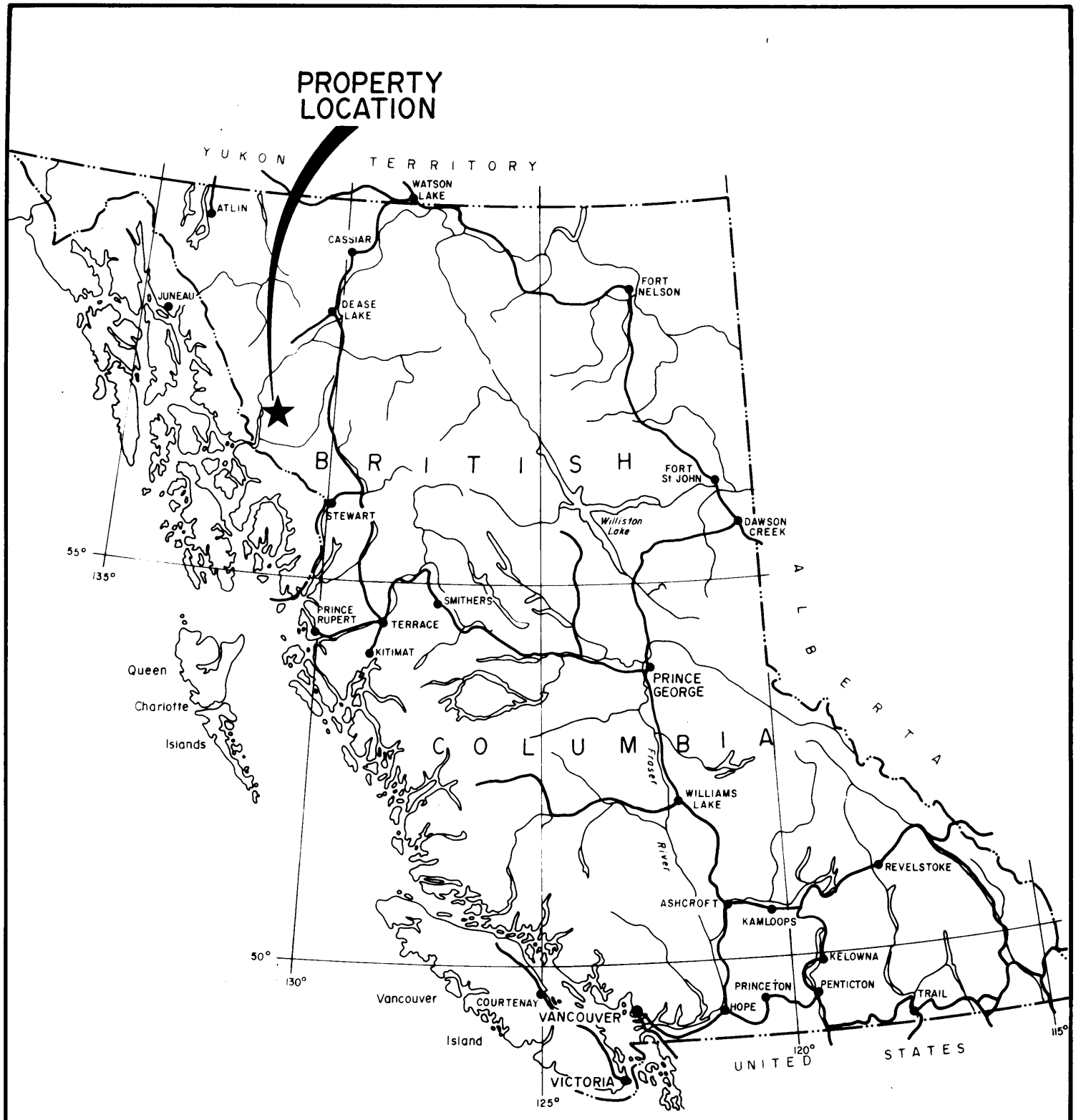
An exploration program, consisting of geological mapping, prospecting and soil sampling, was carried out on the Bell 2, JD V and JD VII claims of the Scud River property during July 1991. The intent of the program was to determine whether the Twilight zone extends onto the Scud River property. Equity 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 claims listed in Table 2.0.1, all of which are situated in the Liard Mining Division (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 Ltd. 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
JD I	4641	20	June 13, 1988	1993
JD II	4642	20	June 13, 1988	1994
JD III	5552	20	Dec. 9, 1988	1994
JD IV	5553	20	Dec. 9, 1988	1994
JD V	5554	20	Dec. 9, 1988	1994
JD VI	5555	20	Dec. 9, 1988	1995
JD VII	7907	5	Oct. 4, 1990	1991
Bell 1	5562	20	Dec. 9, 1988	1994
Bell 2	5563	20	Dec. 9, 1988	1995
PL-1	5370	20	Oct.11, 1988	1995
CB I	6521	20	Oct. 4, 1989	1994
CB II	6522	16	Oct. 5, 1989	1993
		221		



Km 0 100 200 300 400 500 Km

MILES 0 50 100 200 300 MILES

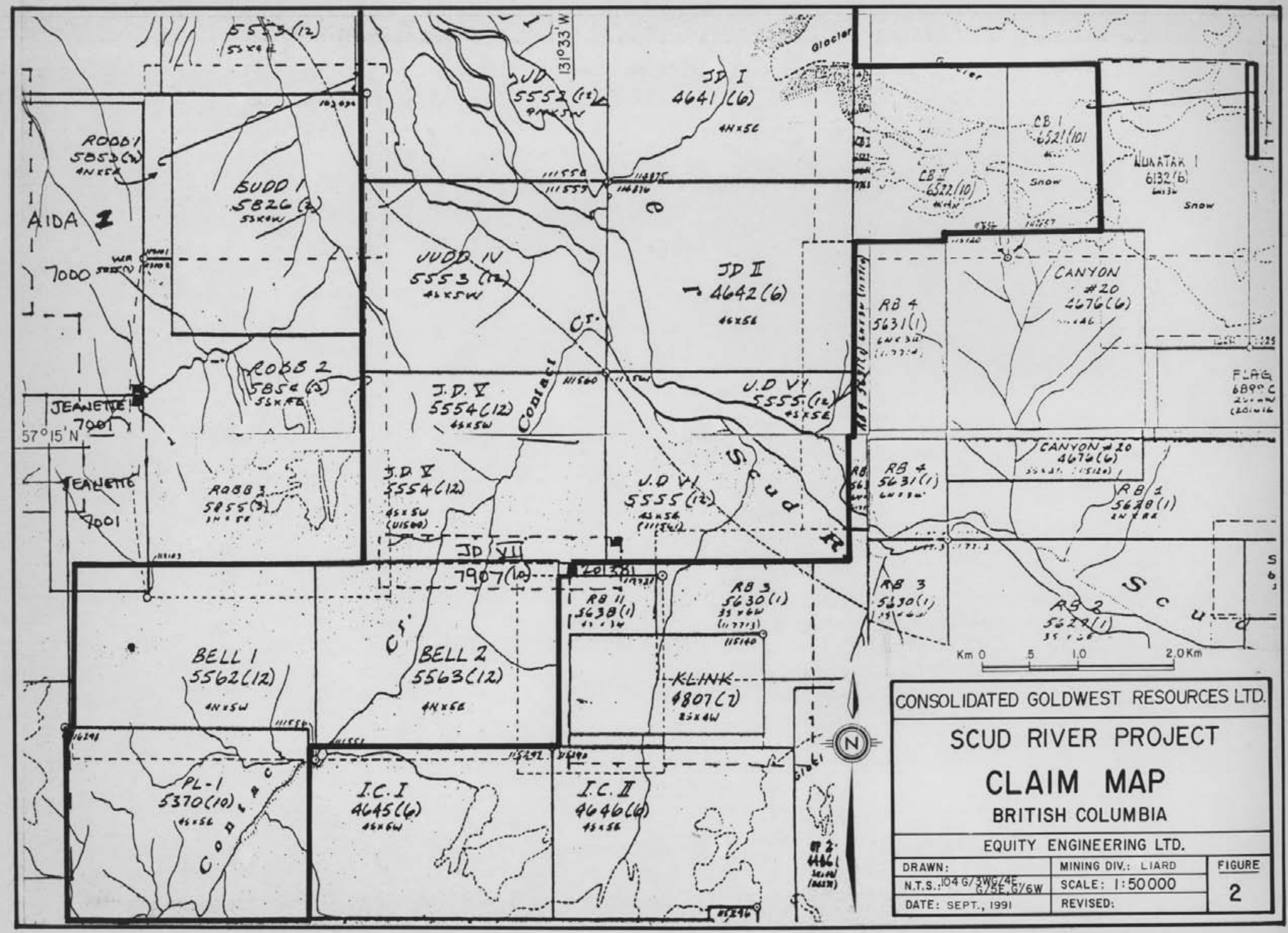
CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT
LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W.	MINING DIV. LIARD	FIGURE
N.T.S.: 104G/4E, 5E	SCALE: AS SHOWN	1
DATE: SEPT., 1991	REVISED:	



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

CLAIM MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN:	MINING DIV.: LIARD	FIGURE
N.T.S.: 104 G/3W G/4E G/5E, G/6W	SCALE: 1:50000	2
DATE: SEPT., 1991	REVISED:	

The CB I claim overlies the previously staked Nunatak 1 claim, reducing by half its effective size. The JD VII claim was staked in October 1990 to cover a fraction between the JD and Bell claim groups. The positions of all legal corner posts for the claims have been verified by Equity Engineering Ltd. personnel.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The JD I-VII, Bell 1-2, CB I-II and PL-1 claims are located within the Coast Range Mountains approximately 180 kilometres northwest of Stewart and 75 kilometres southeast of Telegraph Creek in northwestern British Columbia (Figure 1). They lie within the Liard Mining Division, cantered at 57° 15′ north latitude and 131° 33′ west longitude.

Access to the Scud River property during the 1991 exploration program was provided by helicopter from the Galore Creek camp and airstrip, which is located approximately fifteen kilometres to the southeast. During the field season, fixed-wing aircraft fly charters from Smithers to the Galore Creek airstrip direct or via the Bronson airstrip. The Galore Creek airstrip is 425 metres in length, limiting the size of the aircraft that can be safely landed there. During the 1991 season, the Galore Creek camp was serviced by a Turbo Otter, based out of Smithers. The Scud River airstrip, located sixteen kilometres west of the property, is suitable for DC-3 aircraft.

On the Alaskan side of the border, Wrangell lies approximately 100 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 sixteen kilometres of the property. During the 1960's, Kennco constructed a cat road from their Galore Creek copper-gold deposit down the south side of the Scud River to the Scud River airstrip, passing through the JD II, III, IV and VI claims. This cat road has not been maintained and would require extensive reconstruction before becoming useable.

The JD I to VI claims straddle the Scud River, from fifteen to twenty-two kilometres above its confluence with the Stikine River (Figure 2). The JD I and II claims lie mainly on the north side of the Scud River, covering the lower part of the Rugose Creek drainage, including the toe of the Rugose Glacier, a valley glacier which descends to an elevation of 1100 metres. The CB I and II claims extend east from JD I, covering the upper portions of the Rugose Glacier. The other claims lie mainly on the south side of the Scud River, stretching southwest up the drainage of Contact Creek. Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 200 metres on the Scud River to over 1770 metres on an unnamed peak on the Bell 1 claim.

Lower slopes are covered by a mature forest of hemlock, spruce and balsam fir with a dense undergrowth of devil's club, alder and huckleberry. Above treeline, which occurs at approximately 1100 metres, the creek beds and slopes are covered by dense slide alder and willow growth. Steeper slopes are covered by short heather and other alpine vegetation. Northerly-facing slopes are covered with permanent snowfields at higher elevations.

The Scud River 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 metres or more. Both summer and winter temperatures are moderate, ranging from -5°C in the winter to 20°C in the summer months.

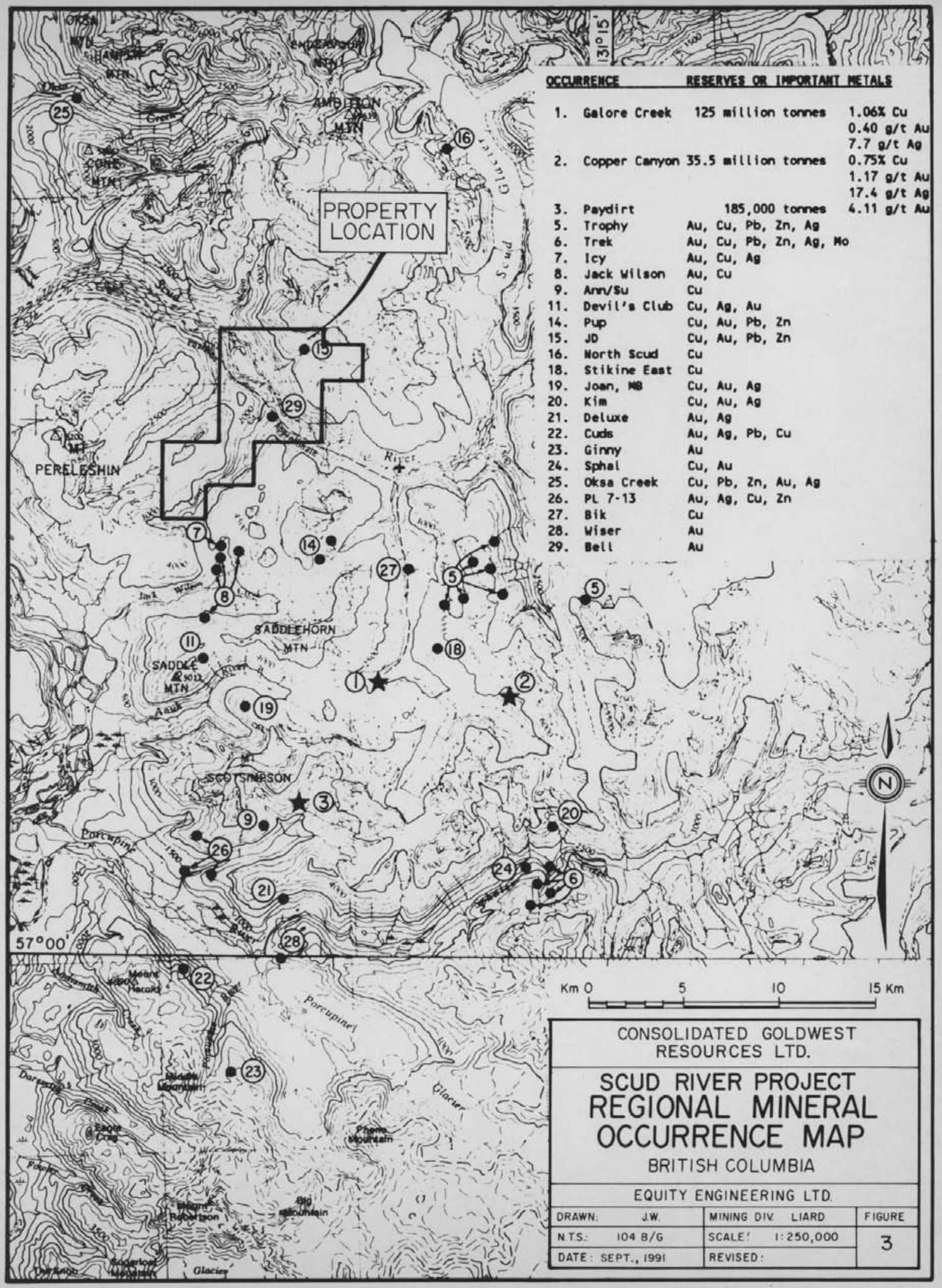
4.0 PROPERTY MINING HISTORY

4.1 Previous Work

The Galore Creek district was extensively explored for its copper potential throughout the 1960's (Figure 3), following the discovery in 1955 of the Galore Creek copper-gold porphyry deposit, whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et al, 1976). Kennecott is currently updating its feasibility study on the Galore Creek deposit, incorporating significant gold and copper results from drilling in recent years. 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 Consolidated Rhodes (1991) at 35.7 million tonnes grading 0.75% copper and 1.17 g/tonne (0.034 oz/ton) gold was discovered eight kilometres east of the Central Zone.

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 grams gold per tonne on the Paydirt deposit (Holtby, 1985), which is located approximately twenty kilometres south of the Scud River property. Significant precious metal occurrences were also discovered on each of the Trophy, Trek, Icy, PL 7-13 and Jack Wilson properties during the 1988, 1989 and 1990 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.

During September of 1988, Pass Lake Resources Ltd. carried out a limited exploration program of prospecting, stream and soil geochemistry on the JD I and II claims. Three of the four field-sieved stream sediment samples taken from Rugose Creek were highly anomalous, with 1850, 3720 and 700 ppb gold. Five of the twelve



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	35.5 million tonnes	0.75% Cu 1.17 g/t Au 17.4 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	

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SCUD RIVER 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: SEPT., 1991	REVISED:	

rock samples taken from the JD claims returned values in excess of 3000 ppb gold (Awmack, 1989).

Based upon these results, Consolidated Goldwest Resources Ltd. optioned the Scud River property in 1989 and carried out a property-wide reconnaissance exploration program that fall. A total of 11 field-sieved stream sediment samples, 22 silt samples, 67 soil samples and 82 rock samples were taken. The gold-bearing sulphide float discovered in 1988 on Rugose Creek was traced to gossanous limestone cliffs east of the JD I claim, and the CB I and II claims were staked in an attempt to cover this source. Gold-bearing mineralization of limited extent was found in place on the JD I, JD III, JD V and PL-1 claims in a variety of structural and lithological settings (Ross, 1989).

In 1990, a further 8 silt samples, 372 soil samples and 195 rock samples were taken from the Scud River property by Consolidated Goldwest. A soil geochemical grid was established near the confluence of Contact Creek and the Scud River to provide mapping control and geochemical information in a poorly exposed area where a 1989 rock sample returned a value of 3550 ppb gold. Chip sampling failed to reproduce this value. Two contour soil lines were run on the Bell 2 claim in an attempt to trace the Twilight Zone, a sulphide-bearing horizon which outcrops on the adjacent RB 11 claim, onto the Scud River property (Falls, 1990).

4.2 1991 Work Program

During July 1991, Consolidated Goldwest carried out additional exploration on the Scud River property. The main focus of this program was to trace the Twilight Zone west onto the Bell 2 claim. During the course of this program 10 silt samples, 330 soil samples and 67 rock samples were taken. All samples were analyzed geochemically for gold and 31 elements by ICP. Samples with greater than 1000 ppb gold, 100 ppm silver or 10,000 ppm copper, lead or zinc were assayed. Analytical certificates are attached in Appendix F.

The Twilight geochemical grid was established on the Bell 2 and JD VII claims (Figures 5 and 7). A flagged baseline extends from the Bell 2/RB 11 claim boundary due west for 800 metres. Crosslines, flagged at 100 metre intervals along the baseline, extend 400 metres towards the north and 500 metres towards the south where topography allowed. Soil samples were taken at 25 metre intervals along the baseline and crosslines. To the south of Cut Creek a contour soil line was established at an elevation of 650 metres. This line was intended to test for sulphide mineralization on that side of the creek. Wherever possible, soil samples were taken from the red-brown B horizon. Where soil development was poor, talus fines were taken.

Prospecting and detailed geological mapping were carried out

over the grid (Figure 7). Reconnaissance geological mapping and prospecting were carried out along Cut Creek and on part of the JD V claim (Figures 5 and 6). Rock samples, described in Appendix C, were taken from zones of alteration and mineralization.

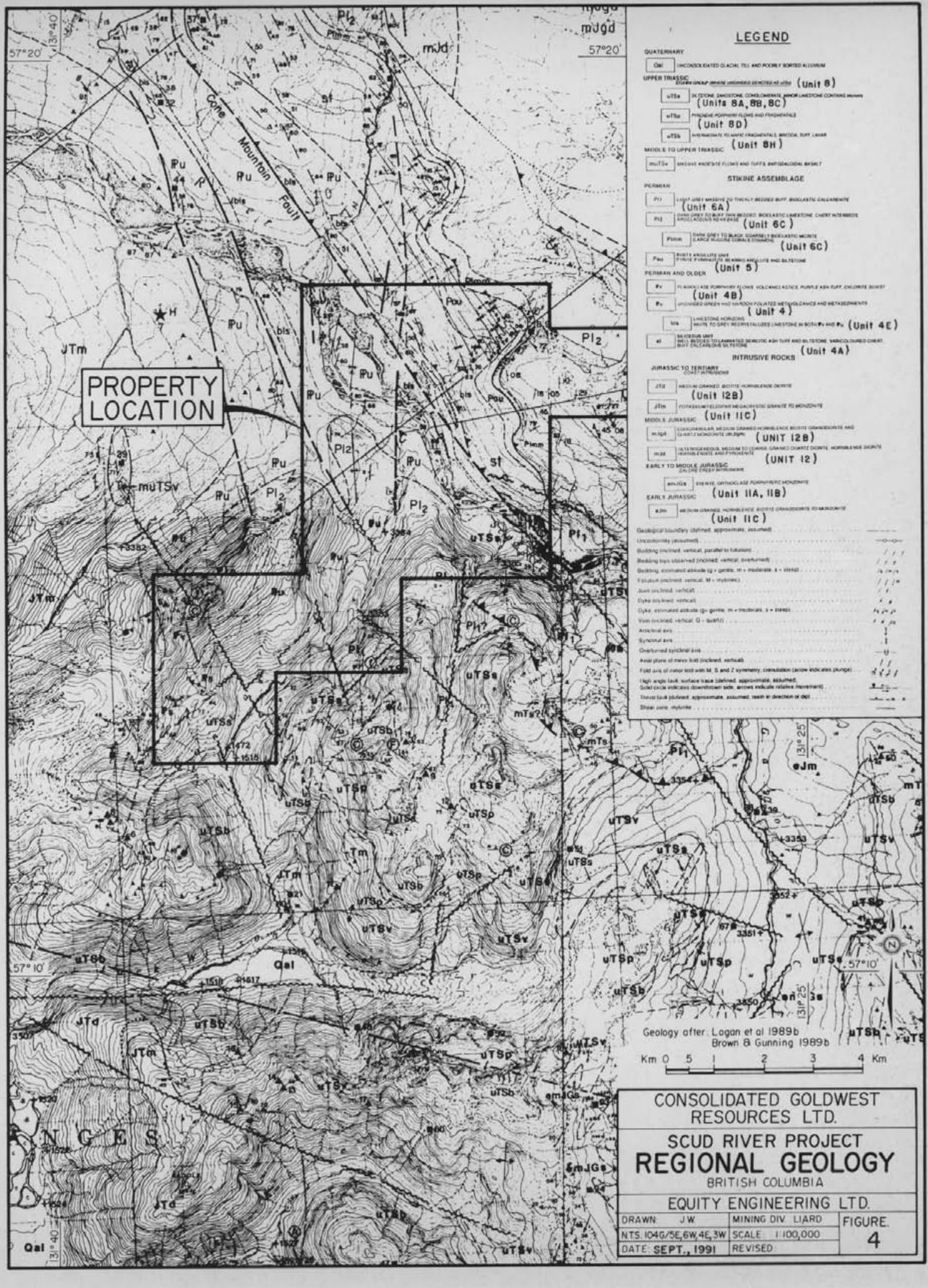
5.0 REGIONAL GEOLOGY

The basis for regional geological mapping in the Stikine River area was set out by Kerr (1948b), the crew of Operation Stikine (GSC, 1957) and Souther (1972). Their work has been refined in the Galore Creek area by Brown and Gunning (1989a,b) and Logan et al (1989a,b) at a scale of 1:50,000.

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 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 metres of Mississippian limestone with a diverse fossil fauna (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 metres 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.


PROPERTY LOCATION
LEGEND
QUATERNARY
Qal
(Unit 8)
(Units 8A, 8B, 8C)
(Unit 8D)
(Unit 8H)
STIKINE ASSEMBLAGE
(Unit 6A)
(Unit 6C)
(Unit 6C)
(Unit 5)
(Unit 4B)
(Unit 4)
(Unit 4E)
(Unit 4A)
INTRUSIVE ROCKS
(Unit 12B)
(UNIT 12)
(Unit IIA, IIB)
(Unit IIC)
Cone
Mountain
Fault
57°20'
57°10'
131°40'
131°25'
Geology after: Logan et al 1989b
Brown & Gunning 1989b
Km 0 5 1 2 3 4 Km
CONSOLIDATED GOLDWEST RESOURCES LTD.
SCUD RIVER PROJECT
REGIONAL GEOLOGY
BRITISH COLUMBIA
EQUITY ENGINEERING LTD.
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NTS 104G/5E,6W,4E,3W
SCALE: 1:100,000
DATE: SEPT., 1991
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FIGURE 4

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 precious metal vein/shear 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 (Figure 3).

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 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 Scud River property is underlain by Permian and older sedimentary and volcanic rocks of the Stikine Assemblage except in the southern part of the property where some Upper Triassic Stuhini Group sediments outcrop. Triassic to Jurassic intrusives of the Galore Creek Suite have intruded the Permian and older rocks on the Bell 1 and Pl-1 claims. Eocene dykes and sills intrude Permian limestone on the Nunatak property to the east of the Scud River property and Tertiary dykes and sills intrude all rocks on the Scud River property. The stratified rocks generally strike northerly and dip toward the east but are quite variable in orientation. Geological mapping during the 1991 program was confined to the eastern parts of the Bell 2 and JD VII claims and the southern part of the JD V claim and the results of this work are described below. Figures 5 to 7 illustrate the geology of the 1991 project area. Figures 5 and 6 have been adapted from Falls (1990) and modified as a result of the 1991 mapping program.

The oldest rocks within the 1991 map area consist of a sequence of interbedded Mississippian and older sediments (Unit 4). These rocks occupy much of the eastern part of the JD V claim and are exposed along Contact Creek and on a treed ridge to the south of the Contact Creek grid (Figure 6). They generally strike easterly and dip gently towards the south. The lateral extent of subunits within this sequence is difficult to determine due to complex interbedding and generally poor exposure. Unit 4C consists of dark grey to black, locally calcareous or graphitic, laminated argillite with lesser siltstone. It is generally interbedded with black, thickly bedded chert (Unit 4G) and massive, grey limestone (Unit 4E). Several other units are known to occur within this sequence but none of these were observed within the 1991 project area.

Unit 4 is overlain to the south by a thick sequence of Permian limestone (Unit 6). The limestones have been mapped in detail within the Twilight grid (Figure 7). Much of the grid is occupied by the upper member limestone (Unit 6A). This unit consists of light coloured , thickly bedded to massive, crinoidal limestone. Chert interbeds up to 5 centimetres thick are present locally. In the southern part of the grid the rocks strike northerly and dip moderately to steeply towards the west. In the north, strikes become easterly to northeasterly, suggesting that some folding has taken place. Several shear zones of variable orientations have been mapped and sulphide mineralization is associated with two such zones (Section 6.2).

Underlying Unit 6A is argillaceous limestone (Unit 6C). This dark coloured, thinly bedded unit is exposed in the western part

of the grid. The contact appears to be conformable but the full lateral extent of Unit 6C has yet to be determined.

In the southeast corner of the Bell 2 claim rusty-weathering argillite (Unit 5) is in fault contact with the Permian limestone (Unit 6A) (Figure 5). The argillite is highly deformed, often graphitic and contains up to 10% stratiform pyrite and pyrrhotite. These rocks strike northeasterly and dip moderately towards the west. A wedge of Unit 5, apparently displaced by faulting, has been mapped within Cut Creek. The argillite unit was previously thought to be part of the Upper Triassic Stuhini Group (Unit 8A) but its deformed nature and high sulphide content is more typical of Unit 5 of the Paleozoic Stikine Assemblage.

Minor Tertiary dykes of dioritic (Unit 14D) and rhyolitic (Unit 14E) compositions have been mapped within the Twilight grid.

6.2 Mineralization

Numerous gold-bearing occurrences have been described previously from the Scud River property by Falls (1990), Ross (1989) and Awmack (1989). None of these were examined during the 1991 field program and they will not be described below.

The Twilight Zone, a sulphide-bearing shear zone hosted within limestone, is exposed in a series of trenches on the RB 11 claim, just east of the Scud River property (Figure 5). The Alder Showing is an occurrence of similar mineralization which outcrops on the Scud River property approximately 100 metres southwest of the westernmost Twilight Zone trench. The showing, located at approximately 1+00 W, 0+75 S on the Twilight grid (Figure 7), may be a continuation of the Twilight Zone as it is similar in both appearance and orientation. The Alder Showing is exposed in a vertical rock face which is illustrated in Figure 8. Sulphide mineralization occurs mainly as discontinuous, 1 to 2 centimetre wide pyrite-sphalerite-chalcopyrite-galena stringers hosted within a 1 metre thick unit of calcareous talc schist. The schist is overlain by massive, blocky, unmineralized Permian limestone (Unit 6A). Three parallel trenches (see Appendix D) expose weathered calc-silicate schist which underlies the talc schist. This lower unit is at least 1 metre thick and is less mineralized, although disseminated pyrite and traces of chalcopyrite and malachite are present. The schistose units probably resulted from shearing and hydrothermal alteration of original limestone and the whole package is believed to represent a fault zone, striking 122° and dipping 30 to 40° towards the south. Numerous rock samples were taken from the Alder Showing and the most significant results are shown in Table 6.2.1.

TABLE 6.2.1
ALDER SHOWING: SIGNIFICANT ROCK SAMPLE RESULTS

Sample Number	Sample Type	Gold (ppb)	Silver (ppm)	Copper (ppm)	Lead (ppm)	Zinc (percent)	Arsenic (ppm)
52505	Select	64	17.2	1993	4007	15.08%	131
52506	Chip(1.4m)	53	8.4	1557	1231	3.03%	66
52552	Grab	97	15.4	4375	2419	1.41%	35
52556	Grab	152	19.5	1.357%	76	7040ppm	11
52559	Grab	83	8.9	2256	813	2.80%	94

As can be seen from Table 6.2.1 most of the significant results are from grab or select samples of sulphide pods or stringers. Chip sample 52506 was taken across the talc schist horizon in an area containing several pyrite-sphalerite stringers but mineralization within the showing is generally spotty and the results of other chip and grab samples are not as high (Figure 8).

Select sample 52554 yielded the highest copper value of all samples taken within the Twilight grid. The sample, taken from a 10 centimetre wide quartz-chalcopyrite-pyrite-chalcocite vein at 0+00 W, 1+00 S on the grid, assayed 1.964% copper with low values for other base and precious metals.

Select sample 52602, which assayed 1.327% copper, was taken from a one metre wide, chalcopyrite-bearing shear zone at 3+98 W, 0+49 N on the Twilight grid. The sample returned low values for other base and precious metals. The shear zone strikes northeasterly and dips moderately towards the southeast. Several grab and chip samples were taken from the same shear zone in an area known as the Drop Showing. All of these samples yielded values of less than one percent copper with low values for other base and precious metals.

Sample 52619 was taken from a creek gully in the vicinity of the Drop Showing. The sample, from limestone float containing chalcopyrite-pyrite-calcite veinlets, yielded values of 635 ppb gold, 19.9 ppm silver, 5411 ppm copper, 1923 ppm lead, and 2794 ppm zinc. The sample was angular in shape and probably derived from a nearby source.

Prospecting in other areas of the Scud River property during 1991 did not yield any significant results.

7.0 GEOCHEMISTRY

Ten silt samples were taken on the Scud River property during the 1991 field program. The sampling results have been compared to the results of a 1987 government regional geochemical survey (GSC Open File 1646, 1988) and the percentiles referred to below are those of the government survey. A sample is considered to be

anomalous if it exceeds the 90th percentile in one or more of the base or precious metals. The 1991 silt sampling results are listed in Table 7.0.1. All of the 1991 silt samples were found to be anomalous in a least one of the major base or precious metals.

TABLE 7.0.1
SILT SAMPLING RESULTS

Sample Number	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
91BK-01	1	1.2***	43	5	94	1
91BK-02	2	0.2	32	21*	66	15
91MD-01	3	2.5***	133**	18*	381**	30**
91MD-02	2	2.1***	173**	21*	478***	12
91MD-03	4	1.7***	136**	15	416**	14
91RF-01	1	1.6***	1658***	171***	1090***	48**
91RF-02	2	2.6***	140**	29**	489***	22*
91RF-03	3	2.4***	185**	29**	665***	35**
91RF-04	1	2.8***	162**	14	431**	30**
91RF-05	4	0.7**	621***	30**	635***	27*
90th %ile	30	0.3	103	16	133	17
95th %ile	65	0.4	132	22	181	29
99th %ile	237	1.0	272	55	478	81

Percentile values are from GSC Open File 1646, 1988. N=1291.
* exceeds 90th percentile (anomalous).
** exceeds 95th percentile (highly anomalous).
*** exceeds 99th percentile (extremely anomalous).

Silt sample 91BK-01 was taken from a creek in the central part of the Bell 2 claim (Figure 5). The sample returned a high silver value. The rock in this area consists of thickly bedded Permian limestone (Unit 6A). No mineralization was observed in this area and the anomaly is as yet unexplained.

Silt sample 91BK-02 was taken from a tributary of Contact Creek (Figure 6). The sample, from an area of laminated limestone (Unit 6C), is anomalous in lead. No mineralization was observed in this area and the anomaly is as yet unexplained.

Silt sample 91RF-01 was taken from a stream in the eastern part of the Twilight grid (Figure 7). The sample yielded extremely anomalous values for silver, copper, lead and zinc and a highly anomalous arsenic value. No mineralization was observed in the immediate area of this sample, however the Twilight Zone sulphide mineralization is exposed in a trench approximately 200 metres upslope to the east of the sample. It is probable that the stream anomaly has resulted from the downslope movement of metals from this area.

Silt samples 91MD-01 to 91MD-03 and 91RF-02 to 91RF-04 were

all taken from Cut Creek or its tributaries (Figure 5). These samples show fairly uniform results, with most being anomalous to extremely anomalous in silver, copper, lead, zinc and arsenic. Prospecting and rock sampling in the area did not yield any significant results, however, it should be noted that most of the anomalous silt samples were taken from creeks which drain areas where rusty-weathering argillite (Unit 5) is the predominant rock type. Rock samples from this unit have been observed to contain up to 10 percent stratiform pyrite and pyrrhotite and it has been suggested by Awmack (1991) that it is a potential host for stratiform massive sulphide deposits. Several rock samples have been taken from the argillite unit but they have not yielded significant results.

Silt sample 91RF-05 was taken from a creek near the eastern border of the JD V claim (Figure 6). The sample yielded anomalous to extremely anomalous results for silver, copper, lead, zinc and arsenic. The stream drains an area of Mississippian and older sediments (Unit 4). Previous silt samples taken in this area have also yielded anomalous results. Rock samples were taken from nearby quartz veins and from chert float but the results were not significant and the source of the anomaly remains unknown.

Soil sampling on the Scud River property during 1991 has revealed some geochemical anomalies. Anomalous levels for the major base and precious metals have been determined by statistical analysis of the results of all soil sampling done on the property during 1991. Anomalous levels have been taken as background (median value), anomalous (median value plus one standard deviation) and highly anomalous (median value plus two standard deviations). Anomalous levels for the major base and precious metals are listed in Table 7.0.2 and the log-probability plots from which these values were derived are shown in Appendix E.

TABLE 7.0.2
ANOMALOUS LEVELS FOR SOIL GEOCHEMISTRY

Element	Background	Anomalous	Highly Anomalous
Gold	3 ppb	11.5 ppb	85 ppb
Silver	0.7 ppm	2.2 ppm	6.2 ppm
Copper	48 ppm	225 ppm	2450 ppm
Lead	25 ppm	75 ppm	350 ppm
Zinc	150 ppm	350 ppm	1450 ppm
Arsenic	15 ppm	40 ppm	110 ppm

Figures 9 to 12 illustrate the soil geochemistry of the Twilight grid. As can be seen from the soil compilation map (Figure 12) there are several multi-element soil anomalies within the grid area. When interpreting the soil sampling results the possibility of downslope dispersion of metals must be taken into account because of the steep terrain.

A strong soil anomaly centred at approximately 1+00 W, 0+50 S contains values as high as 64 ppb gold, 7.6 ppm silver, 5188 ppm copper, 683 ppm lead, 7962 ppm zinc and 75 ppm arsenic. The Alder Showing and the westernmost trench of the Twilight Zone lie within this anomaly. The soil values are probably a reflection of the presence of sulphide mineralization within these zones. A multi-element anomaly centred at 4+00 W, 1+25 S and a gold anomaly at 5+00 W, 2+00 S appear to lie on the same trend as the Alder Showing and the Twilight Zone and may indicate a continuation of these zones. Both of the soil anomalies lie within talus at the base of a major cliff so they probably indicate the presence of mineralization further upslope rather than in-place material.

A major east-west trending, multi-element soil anomaly is centred at approximately 4+00 W, 0+75 N. It contains values as high as 214 ppb gold, 7.6 ppm silver, 5516 ppm copper, 627 ppm lead, 3856 ppm zinc and 180 ppm arsenic. This anomaly is centred around the Drop Showing and most of the high soil values coincide with or lie downslope from areas of known sulphide mineralization. The eastern tail of the anomaly may reflect a downslope dispersion of metals from the Alder Showing.

Several other anomalies within the grid area are as yet unexplained. The most significant of these is a large multi-element anomaly centred at approximately 3+00 W, 3+00 N. With values as high as 181 ppb gold, 20.9 ppm silver, 2119 ppm copper, 1059 ppm lead, 2521 ppm zinc and 109 ppm arsenic this anomaly suggests that undiscovered sulphide mineralization may be present in this part of the grid.

A 650 metre elevation contour soil line extends southeast from Cut Creek for 700 metres (Figure 5). Several soil samples from this line returned slightly anomalous values for gold, silver and zinc and some were anomalous to highly anomalous in arsenic. This area is underlain by Permian limestone (Unit 6A) and no sulphide mineralization has been observed in this area to date.

8.0 DISCUSSION

Two areas of shear-hosted sulphide mineralization were discovered on the Scud River property during 1991. Both showings lie within the Twilight grid. Separate grab or select rock samples from the Alder Showing, a possible extension of the Twilight Zone, returned values as high as 15.08% zinc and 1.357% copper. Generally low base and precious metal values from chip samples suggest that the mineralization is limited to narrow, discontinuous pods and stringers.

Select sample 52602, from the Drop Showing, located in the central part of the grid, returned 1.327% copper with low values for other base and precious metals. Nearby float sample 52619 yielded values of 635 ppb gold, 19.9 ppm silver, 5411 ppm copper,

1923 ppm lead and 2794 ppm zinc.

Two strong multi-element soil anomalies coincide with the known sulphide showings but a third significant anomaly in the northern part of the grid remains unexplained.

To the south of the grid, silt samples from streams draining an area underlain by a rusty argillite unit yielded anomalous results for silver, copper, lead zinc and arsenic. It has been suggested that this unit is a potential host for massive sulphide mineralization.

Several minor base and precious metal occurrences have been found on the Scud River property since 1988. Although none of these occurrences has proved to be of great significance their presence and the presence of unexplained soil and silt anomalies should provide some incentive for further work on the property.

Respectfully submitted,
EQUITY ENGINEERING LTD.

Robert Falls

Robert Falls, Geologist.

Vancouver, British Columbia
September 1991

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

SCUD RIVER PROJECT
(July 10 - August 3, 1991)

PROFESSIONAL FEES AND WAGES:		
Henry Awmack, P. Eng.		
0.625 days @ $400/day	$ 250.00	
Mike Blusson, Sampler		
13 days @ $225/day	2,925.00	
David Caulfield, F.G.A.C.		
0.5 days @ $400/day	200.00	
Ann Doyle, Geologist		
0.25 days @ $350/day	87.50	
Rob Falls, Project Geologist		
23.75 days @ $400/day	9,500.00	
Bruno Kasper, Geologist		
14.375 days @ $350/day	5,031.25	
Donald McInnes, Project Manager		
1.875 days @ $300/day	562.50	
Mark O'Dea, Prospector		
13 days @ $300/day	3,900.00	
		$ 22,456.25
MOBILIZATION AND SUPPORT COSTS:		
Pro rata according to mandays on each of several properties operated out of the Galore Creek/Porcupine River Camps		3,976.85
CHEMICAL ANALYSES:		
Rock Geochemical Analyses		
67 @ $16.00 each	$ 1,072.00	
Soil Geochemical Analyses		
330 @ $13.25 each	4,372.50	
Silt Geochemical Analyses		
10 @ $13.50 each	135.00	
Assays	48.92	
		5,628.50
EQUIPMENT RENTAL:		
Fly Camp		
56 mandays @ $25/day	$ 1,400.00	
4x4 Truck		
1 day @ $80/day	80.00	
4x4 Truck Standby		
5.375 days @ $10/day	53.75	
Handheld Radios		
26 mandays @ $5/day	130.00	
Porcupine Camp		
1.25 mandays @ $125/day	156.25	
		1,820.00

EXPENSES:		
Aircraft Charters	$ 348.02	
Courier and Telefax	21.00	
Drafting	2,113.75	
Expediting	315.00	
Food	209.96	
Freight	22.35	
Helicopter Charters	2,393.67	
Materials and Supplies	165.91	
Printing and Reproductions	268.50	
Telephone Distance Charges	44.28	
		$ 5,902.44
OVERHEAD CHARGE @ 5%		576.55
		40,360.59
REPORT (estimated)		3,000.00
		$ 43,360.59

APPENDIX C

ROCK DESCRIPTIONS

Mineral Abbreviations:

AS	Arsenopyrite	JA	Jarosite
AZ	Azurite	KF	Potassium Feldspar
BI	Biotite	LI	Limonite
BO	Bornite	MC	Malachite
CA	Calcite	MG	Magnetite
CC	Chalcocite	MO	Molybdenite
CB	Fe-Carbonate	MN	Manganese-oxides
CL	Chlorite	MR	Mariposite
CP	Chalcopyrite	MS	Sericite
CV	Covellite	MU	Muscovite
CY	Clay	PO	Pyrrhotite
DI	Diopside	PY	Pyrite
DO	Dolomite	QZ	Quartz
EP	Epidote	SI	Silica
GA	Garnet	SM	Smithsonite
GE	Goethite	SP	Sphalerite
GL	Galena	TA	Talc
HE	Hematite	TT	Tetrahedrite

Alteration Intensities:	tr	trace
	w	weak
	m	moderate
	s	strong

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52501	6346 368 N, 345 956 E; Elevation: 980 m; Orientation: -- / --	Float; Strike Length Exp. : --- m; Sample Width : --- m; True Width : --- m	UNALTERED; NONE OBSERVED; NONE OBSERVED; Limestone	9	1.9	30	14	27	1

Comments : From soil pit at soil sample station CL960, 3+25. Soil sample was anomalous in Pb and Zn.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52502	6346 180 N, 345 850 E; Elevation: 975 m; Orientation: 140 / 44 SW	Select; Strike Length Exp. : 0.5 m; Sample Width : 10 cm; True Width : 40 cm	NONE OBSERVED; <1%CP, 80%PY; MC, LI; Limestone	56	7.9	4501	1	313	1

Comments : Massive pyrite pod measuring 0.4m*0.5m, contains traces of chalcopyrite. Rock sample taken one metre west along strike from rock sample 52556 at appproximately 0+75S, 1+00W on the Twilight grid. ALDER SHOWING.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52503	6346 226 N, 345 758 E; Elevation: 905 m; Orientation: ? / ?	Grab; Strike Length Exp. : 10 m; Sample Width : 10 cm; True Width : 2.0 m	wSI; NONE OBSERVED; HE; Brecciated limestone	7	3.1	132	28	35	50

Comments : Highly fractured and slightly silicified massive limestone with hematite staining along the fractures. Probable fault breecia? Sample taken at approximately 2+00W, 0+35S on the Twilight grid.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52504	6346 180 N, 345 850 E; Elevation: 975 m; Orientation: 184 / 30 W	Chip; Strike Length Exp. : 2.7 m; Sample Width : 1.6 m; True Width : 1.8 m	TA, CY; <1%PY, <1%SP, trCP, trGL; GE, MC, MN; Talc schist and calc-silicate schist.	21	4.5	955	732	2196	27

Comments : Chip sample across a mineralized shear zone exposed in trench TR-91-01. Trench located at approximately 1+00W, 0+75S on the Twilight grid. ALDER SHOWING.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52505	6346 180 N, 345 850 E; Elevation: 975 m; Orientation: 184 / 30 W	Select; Strike Length Exp. : 0.5 m; Sample Width : 10 cm; True Width : 5 cm	TA; 30%PY, 20-25%SP, trGL; GE; Calcareous talc schist.	64	17.2	1993	4007	124500	131

Comments : Select sample of a 3 to 5 cm. wide sulphide band in the talc schist. Sulphide band exposed in the upper part of trench TR-91-01. ALDER SHOWING.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52506	6346 180 N, 345 850 E; Elevation: 975 m; Orientation: 117 / 24 S	Chip; Strike Length Exp. : >20 m; Sample Width : 1.4 m; True Width : 1.4 m	TA; <1%PY, 5%SP, trGL; GE, MN; Calcareous talc schist.	53	8.4	1557	1231	23035	66

Comments : Chip sample across a talc schist unit containing several 1 to 3 cm. wide sulphide bands which are oriented parallel to foliation. ALDER SHOWING.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 800 N	Type : Grab	Alteration :	CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 185 E	Strike Length Exp. : 1.0 m	Sulphides :	NONE OBSERVED						
52507	Elevation:	680 m	Sample Width : 10 cm	Oxides :	NONE OBSERVED	8	1.1	34	16	80	89
	Orientation:	040 / 65 S	True Width : 30 cm	Host :	Mottled, grey limestone.						

Comments : Iron carbonate alteration zone containing some vuggy calcite veinlets, exposed along Cut creek.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 775 N	Type : Grab	Alteration :	UNALTERED	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 205 E	Strike Length Exp. : 3.0 m	Sulphides :	trPY						
52508	Elevation:	690 m	Sample Width : 10 cm	Oxides :	GE	5	1.0	69	10	110	48
	Orientation:	030 / 90	True Width : 20 cm	Host :	Black argillite.						

Comments : Rusty horizon within a black argillite exposed along Cut creek.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 770 N	Type : Grab	Alteration :	MS, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 235 E	Strike Length Exp. : 5.0 m	Sulphides :	<1%PY						
52509	Elevation:	700 m	Sample Width : 10 cm	Oxides :	GE	2	0.1	32	44	104	12
	Orientation:	009 / 79 W	True Width : >2.0 m	Host :	Sericite (?) schist.						

Comments : Rusty weathering schist outcropping along Cut creek.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 700 N	Type : Select	Alteration :	UNALTERED	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 290 E	Strike Length Exp. : 10.0 m	Sulphides :	1-2%PY						
52510	Elevation:	765 m	Sample Width : 5 cm	Oxides :	HE	29	0.1	51	8	21	125
	Orientation:	190 / 40 W	True Width : 5 cm	Host :	Limestone.						

Comments : Hematite staining where pyrite vein is exposed on the east side of Cut creek. Vein located bellow a large Z-fold within the limestone which may indicate normal movement along the fault.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6346 292 N	Type : Float	Alteration :	TA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 748 E	Strike Length Exp. : --- m	Sulphides :	NONE OBSERVED						
52511	Elevation:	885 m	Sample Width : --- m	Oxides :	GE	14	0.6	195	11	85	19
	Orientation:	-- / --	True Width : --- m	Host :	Limestone and talc schist.						

Comments : Rock fragments from soil pit from which anomalous soil sample CL860, 1+25 was taken. Rusty fragments located near the top of the hole but no bedrock is exposed within the hole.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6346 272 N	Type : Grab	Alteration :	UNALTERED	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 742 E	Strike Length Exp. : 4.0 m	Sulphides :	NONE OBSERVED						
52512	Elevation:	885 m	Sample Width : 10 cm	Oxides :	NONE OBSERVED	2	2.6	17	19	11	48
	Orientation:	? / ?	True Width : 2.0 m	Host :	Grey marble.						

Comments : Rock face above anomalous soil pit at CL860, 1+00.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52513	6346 402 N / 345 796 E	Float	UNALTERED	9	1.8	31	5	62	1
	Elevation: 885 m	Strike Length Exp. : --- m	Sulphides : trPY						
	Orientation: -- / --	Sample Width : --- m	Oxides : NONE OBSERVED						
		True Width : --- m	Host : Granite						

Comments : Granitic pebbles from soil pit in which anomalous soil sample CL860, 2+75 was taken. Pebbles are well rounded and therefore are thought to have been transported from a distant source.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52514	6346 420 N / 345 814 E	Float	UNALTERED	6	2.5	5	15	10	45
	Elevation: 890 m	Strike Length Exp. : --- m	Sulphides : NONE OBSERVED						
	Orientation: -- / --	Sample Width : --- m	Oxides : NONE OBSERVED						
		True Width : --- m	Host : Mottled greyish white limestone.						

Comments : Rock fragments from soil pit where anomalous soil sample CL860, 3+00 was taken. Marble outcrop located nearby.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52515	6346 480 N / 345 864 E	Grab	UNALTERED	2	2.6	4	15	9	47
	Elevation: 860 m	Strike Length Exp. : 10.0 m	Sulphides : NONE OBSERVED						
	Orientation: ? / ?	Sample Width : 10 cm	Oxides : NONE OBSERVED						
		True Width : 2.0 m	Host : Grey marble.						

Comments : Massive marble outcrop above anomalous soil sample pit at location CL860, 3+75.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52516	6346 492 N / 345 882 E	Float	UNALTERED	4	2.6	7	33	22	42
	Elevation: 895 m	Strike Length Exp. : --- m	Sulphides : NONE OBSERVED						
	Orientation: -- / --	Sample Width : --- m	Oxides : GE						
		True Width : --- m	Host : Greyish white, mottled marble.						

Comments : Rock fragments from soil pit where anomalous soil sample CL860, 4+00 was taken. Found along a gulley trending 024 degrees which may be a possible fault?

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52517	6346 506 N / 345 905 E	Grab	UNALTERED	1	2.3	6	15	17	44
	Elevation: 890 m	Strike Length Exp. : 1.0 m	Sulphides : NONE OBSERVED						
	Orientation: 180 / 84 E	Sample Width : 10 cm	Oxides : NONE OBSERVED						
		True Width : 50 cm	Host : Marble.						

Comments : Graphitic, sheared marble located two metres downslope from the location of anomalous soil sample CL860, 4+25. Possible fault zone?

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)
52518	6346 518 N / 345 920 E	Float	MS?	49	0.1	88	20	56	36
	Elevation: 895 m	Strike Length Exp. : --- m	Sulphides : NONE OBSERVED						
	Orientation: -- / --	Sample Width : --- m	Oxides : GE						
		True Width : --- m	Host : Schist?						

Comments : Rusty, schistose fragments from anomalous soil sample location CL860, 4+50. Soil pit located in a gulley trending 050 degrees which may be a fault zone.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 550 N	Float		wCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 970 E	Strike Length Exp. : --- m	Sulphides :	NONE OBSERVED						
52519	Elevation: 905 m	Sample Width : --- m	Oxides :	LI	7	2.5	9	14	146	10
	Orientation: -- / --	True Width : --- m	Host :	Limestone.						

Comments : Weakly carbonate altered white limestone float with minor limonitic staining found on a talus slope located above anomalous soil sample CL860, 5+25.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 386 N	Float		Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 964 E	Strike Length Exp. : --- m	Sulphides :	trPY						
52520	Elevation: 980 m	Sample Width : --- m	Oxides :	GE	2	0.3	5	8	21	26
	Orientation: -- / --	True Width : --- m	Host :	Limestone						

Comments : Rock chips from soil pit @ CL960, 3+75. Sample lies in a dry gully, trending 11 degrees.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 468 N	Float		Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	346 008 E	Strike Length Exp. : --- m	Sulphides :	None observed						
52521	Elevation: 980 m	Sample Width : --- m	Oxides :	None visible	5	0.2	3	5	14	14
	Orientation: -- / --	True Width : --- m	Host :	Chert/limestone						

Comments : From soil pit @ CL960, 4+75. Sample lies in a drainage gully trending 46 degrees (possible fault zone).

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 490 N	Float		Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	346 018 E	Strike Length Exp. : --- m	Sulphides :	None observed						
52522	Elevation: 965 m	Sample Width : --- m	Oxides :	None visible	8	2.4	6	1	12	18
	Orientation: -- / --	True Width : --- m	Host :	Breccia						

Comments : Limestone and chert fragments in a fault breccia with carbonate cement. Sample taken at CL960, 5+00.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 510 N	Float		Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	346 028 E	Strike Length Exp. : --- m	Sulphides :	None observed						
52523	Elevation: 955 m	Sample Width : --- m	Oxides :	None visible	6	1.5	3	1	17	1
	Orientation: -- / --	True Width : --- m	Host :	Chert						

Comments : From soil pit @ CL960, 5+25. In a dry gully trending 46 degrees.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 528 N	Float		Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	346 032 E	Strike Length Exp. : --- m	Sulphides :	None observed						
52524	Elevation: 950 m	Sample Width : --- m	Oxides :	None visible	10	2.1	4	15	11	36
	Orientation: -- / --	True Width : --- m	Host :	Limestone + chert						

Comments : From soil pit at CL960, 5+50.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 455 N	Type : Select	Alteration :	Unknown	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 655 E	Strike Length Exp. : 10 m	Sulphides :	1-3%PY						
52525	Elevation:	990 m	Sample Width : 10 cm	Oxides :	LI	17	0.1	46	11	69	14
	Orientation:	060 / 52 SE	True Width : 3 m	Host :	Black argillite						

Comments : Rusty shear zone with pyrite along fractures and cleavage planes. Taken near the headwaters of Cut Creek

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Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6345 570 N	Type : Float	Alteration :	CA, AK	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 475 E	Strike Length Exp. : --- m	Sulphides :	None observed						
52526	Elevation:	920 m	Sample Width : 10 cm	Oxides :	None visible	4	1.7	27	12	89	39
	Orientation:	-- / --	True Width : 10 cm	Host :	Calcite-ankerite vein						

Comments : Vuggy vein material exposed on the bank of Cut Creek. Source is probably nearby.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6347 785 N	Type : Grab	Alteration :	SI, QZ, AK	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		346 380 E	Strike Length Exp. : 1 m	Sulphides :	None observed						
52527	Elevation:	520 m	Sample Width : 10 cm	Oxides :	None visible	3	1.7	8	1	20	1
	Orientation:	124 / 15 SW	True Width : 3-10 cm	Host :	Siliceous siltstone and limestone						

Comments : Quartz-ankerite vein. Crosscuts bedding in highly deformed sediments. Taken on the bank of a small stream approximately 100 metres south of 10+00 S on the Contact Creek grid.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6347 800 N	Type : Grab	Alteration :	SI, QZ, CA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		346 335 E	Strike Length Exp. : 0.5 m	Sulphides :	None observed						
52528	Elevation:	520 m	Sample Width : 30 cm	Oxides :	LI	2	2.3	8	1	31	1
	Orientation:	127 / 10 SW	True Width : 1 cm	Host :	Siliceous siltstone+limestone						

Comments : Composite of several parallel quartz-calcite veinlets, crosscutting sediments. Taken approximately 10 metres NE of sample 52527. Veins follow the axial planar cleavage of a small fold.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6347 725 N	Type : Float	Alteration :	Unaltered	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		346 350 E	Strike Length Exp. : --- m	Sulphides :	trPY						
52529	Elevation:	535 m	Sample Width : --- m	Oxides :	LI	1	0.4	7	7	16	20
	Orientation:	-- / --	True Width : --- m	Host :	Blue-grey chert						

Comments : Rusty weathering chert float. The source is probably nearby.

Sample No.						Au	Ag	Cu	Pb	Zn	As
	Location :	6346 194 N	Type : Float	Alteration :	UNALTERED	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 848 E	Strike Length Exp. : --- m	Sulphides :	trPY						
52551	Elevation:	965 m	Sample Width : --- m	Oxides :	JA	12	2.9	130	36	797	1
	Orientation:	-- / --	True Width : --- m	Host :	Dark grey, sheared limestone						

Comments : Sample taken from soil pit at soil sample station CL960, 0+50.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 180 N		Grab		TA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 850 E	Strike Length Exp. :	1.0 m	Sulphides :	1%CP, 1%PY, 2%SP						
52552	Elevation:	975 m	Sample Width :	10 cm	Oxides :	GE, MC	97	15.4	4375	2419	10202	35
	Orientation:	085 / 41 S	True Width :	60 cm	Host :	Sheared limestone						

Comments : Mineralized zone 0.5 to 1 m thick. Overlain by limestone and underlain by weathered shale. ALDER SHOWING.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 180 N		Chip		TA, QZ veining	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 850 E	Strike Length Exp. :	1.2 m	Sulphides :	<1%CP,1-2%PY,<1%GL,<1%SP						
52553	Elevation:	975 m	Sample Width :	1.0 m	Oxides :	JA, MC	43	10.1	2239	3700	5511	40
	Orientation:	085 / 41 S	True Width :	? m	Host :	Limey talc schist						

Comments : Zone of sheared rock composed of limonitic gouge and intensely fractured argillite. Zone is overlain by curvi-planar talc schist. The whole package is speculated to be a shear zone. ALDER SHOWING.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 160 N		Select		EP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 944 E	Strike Length Exp. :	3 m	Sulphides :	trCC, 5%CP, trPY						
52554	Elevation:	1020 m	Sample Width :	10 cm	Oxides :	AZ, MC	104	13.0	15568	74	398	39
	Orientation:	163 / 82 SW	True Width :	10 cm	Host :	Limestone						

Comments : Limestone outcrop cut by a 2 metre wide zone of parallel 10-15 cm wide quartz veins. Only one vein is mineralized. Taken at 0+00 W, 1+00 S on the Twilight grid.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 076 N		Grab		MS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 860 E	Strike Length Exp. :	10-15 m	Sulphides :	<1%PY						
52555	Elevation:	1055 m	Sample Width :	30 cm	Oxides :	LI	2	2.2	182	41	108	26
	Orientation:	150 / 48 W	True Width :	30 cm	Host :	Limestone						

Comments : Mineralized wallrock to a sericitic fault zone cutting limestone. Taken at 1+00 W, 1+75 S on the Twilight grid.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 180 N		Grab		CY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 850 E	Strike Length Exp. :	2.5 m	Sulphides :	1-5%CP, 5-15%PY						
52556	Elevation:	975 m	Sample Width :	0.5 m	Oxides :	AZ, GE, JA, MC	152	19.5	11545	76	7040	52
	Orientation:	065 / 41 S	True Width :	0.5 m	Host :	Limestone						

Comments : Quartz-carbonate veining associated with shearing. Taken at 1+00 W, 0+75 S on the Twilight grid. Part of the ALDER SHOWING.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 180 N		Chip		TA, DI?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		345 850 E	Strike Length Exp. :	1.8 m	Sulphides :	trCP, <1%PY						
52557	Elevation:	975 m	Sample Width :	1.6 m	Oxides :	HE, MN	16	2.7	461	178	345	6
	Orientation:	062 / 31 S	True Width :	1.6 m	Host :	Calc-silicate schist						

Comments : Chip across trench TR-91-02 of the ALDER SHOWING.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Grab	TA, DI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 1.8 m	Sulphides : 1%PY						
52558	Elevation: 975 m	Sample Width : 30 cm	Oxides : HE	13	2.6	369	69	311	11
	Orientation: 062 / 31 S	True Width : 50 cm	Host : Calc-silicate schist						

Comments : Euhedral pyrite along foliation planes. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Grab	TA, DI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 5 m	Sulphides : <1%CP, trGL, 5%PY, 4%SP						
52559	Elevation: 975 m	Sample Width : 15 cm	Oxides : None visible	83	8.9	2256	813	19107	94
	Orientation: 074 / 41 S	True Width : 5-10 cm	Host : Talc schist shear zone						

Comments : Stratiform mineralization in wavy talc schist. Sample taken 1.5 metres above trench TR-91-02, ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Chip	CA, TA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : >3 m	Sulphides : tr-2%PY						
52560	Elevation: 975 m	Sample Width : 1.5 m	Oxides : None visible	18	4.5	1135	467	2472	45
	Orientation: 074 / 41 S	True Width : 1.5 m	Host : Talc schist						

Comments : Chip across mineralized zone in talc schist. The zone contains 3 2 to 10 cm wide mineralized horizons. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Grab	QZ, CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 1 m	Sulphides : 1%PY						
52561	Elevation: 975 m	Sample Width : 30 cm	Oxides : MC	3	3.6	829	54	889	43
	Orientation: 134 / 54 S	True Width : 30 cm	Host : Quartz-carbonate vein						

Comments : Abundant quartz veining. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 130 N	Grab	sMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 920 E	Strike Length Exp. : 2 m	Sulphides : 1%PY						
52562	Elevation: 1035 m	Sample Width : 40 cm	Oxides : Unaltered	21	0.7	18	9	15	21
	Orientation: 164 / 45 W	True Width : 0.5-1 m	Host : talc-sericite schist						

Comments : Thin horizon of fine sulphides, related to shearing. Located at approximately 0+30 W, 1+25 S on the Twilight grid.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6345 535 N	Grab	sMS, sQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 655 E	Strike Length Exp. : 2 m	Sulphides : <1%PY						
52563	Elevation: 1005 m	Sample Width : 1.5 m	Oxides : LI	1	0.1	35	19	72	14
	Orientation: 185 / 55 W	True Width : 1.5 m	Host : Quartz-pyrite-sericite schist						

Comments : Altered shear zone hosted in limestone. Truncated by limestone/argillite fault contact.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6345 595 N 345 385 E	Grab Strike Length Exp. : 5 m	Sulphides :	1-2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52564	Elevation: 840 m	Sample Width : 0.5 m	Oxides :	LI	4	0.2	35	23	113	33
	Orientation: 208 / 40 W	True Width : 1-2 m	Host :	Sericite-quartz-carbonate-pyrite schist						

Comments : Exposed in Cut Creek.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6345 460 N 345 525 E	Grab Strike Length Exp. : 25 m	Sulphides :	1-2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52565	Elevation: 935 m	Sample Width : 15 cm	Oxides :	HE, JA	15	0.9	29	11	64	14
	Orientation: 000 / 82 E	True Width : 15 cm	Host :	Rusty-weathering argillite						

Comments : One of many pyritic horizons in rusty argillite. Pyrite is stratiform and fracture controlled.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 208 N 345 868 E	Float Strike Length Exp. : --- m	Sulphides :	trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52566	Elevation: 970 m	Sample Width : --- m	Oxides :	MC	27	2.7	115	1	21	1
	Orientation: -- / --	True Width : --- m	Host :	Massive, mottled limestone						

Comments : Taken at CL960, 0+75.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 224 N 345 890 E	Float Strike Length Exp. : --- m	Sulphides :	None observed	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52567	Elevation: 975 m	Sample Width : --- m	Oxides :	None visible	5	1.1	37	11	67	13
	Orientation: -- / --	True Width : --- m	Host :	Quartz vein						

Comments : Fractured bull quartz taken at CL960, 1+00.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 236 N 345 912 E	Float Strike Length Exp. : --- m	Sulphides :	trCP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52568	Elevation: 975 m	Sample Width : --- m	Oxides :	JA	22	2.0	688	14	103	38
	Orientation: -- / --	True Width : --- m	Host :	Recrystallized, foliated limestone						

Comments : Subrounded fragments. Taken at CL960, 1+25.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 252 N 345 932 E	Float Strike Length Exp. : --- m	Sulphides :	None observed	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52569	Elevation: 960 m	Sample Width : --- m	Oxides :	HE	4	2.5	28	20	33	45
	Orientation: -- / --	True Width : --- m	Host :	Sheared, mylonitic limestone						

Comments : Taken at CL960, 1+50.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 320 N		Grab		sCA, sDI(?)						
		345 565 E	Strike Length Exp. :	25 m	Sulphides :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52601	Elevation:	775 m	Sample Width :	1.00 m	Oxides :	1%MC, HE	2	1.8	4074	20	255	21
	Orientation:	130 / 35 SW	True Width :	0.15 m	Host :	Limestone with chert interbeds						

Comments : Malachite stained pods scattered throughout a shear zone. Distinct foliation within the zone strikes 060 degrees and dips 42 degrees to the south but is highly convoluted in places. Actual width of the shear zone is approximately one metre.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 330 N		Select		sCA, sDI(?)						
		345 570 E	Strike Length Exp. :	0.15 m	Sulphides :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52602	Elevation:	775 m	Sample Width :	15 cm	Oxides :	GE, HE, MC	23	6.2	12636	18	167	1
	Orientation:	130 / 50 SW	True Width :	15 cm	Host :	Limestone with chert interbeds.						

Comments : Pod of copper-rich sulphides within the shear zone. Pods occur sporadically throughout the fault and are found along the fractures. Rock sample taken 15 metres along strike from rock sample 52601.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 274 N		Grab		sCA, m to sDI(?)						
		345 548 E	Strike Length Exp. :	40 m	Sulphides :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52603	Elevation:	780 m	Sample Width :	1.00 m	Oxides :	HE, MC, MN	3	3.0	1870	1	719	1
	Orientation:	040 / 85 SE	True Width :	0.15 m	Host :	Limestone.						

Comments : Foliated shear zone. Malachite staining occurs with hematite along fracture surfaces. Foliation is convoluted in places. Fault zone is approximately 0.7 metres wide.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 274 N		Grab		sCA, mTA(?), wEP, DI(?)						
		345 502 E	Strike Length Exp. :	10 m	Sulphides :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52604	Elevation:	740 m	Sample Width :	1.2 m	Oxides :	HE, 1%MC	18	3.1	4708	13	76	17
	Orientation:	050 / 85 SE	True Width :	0.8 m	Host :	Limestone						

Comments : Shear zone approximately 4 metres wide. Well foliated but foliation has been folded in places. Chalcopyrite occurs finely disseminated along foliation planes or as small blebs in calcite veins. Same shear as samples 52601,2. DROP SHOWING.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 330 N		Grab		wCA, QZ veining, DI(?)						
		345 446 E	Strike Length Exp. :	1.5 m	Sulphides :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52605	Elevation:	680 m	Sample Width :	0.4 m	Oxides :	MC	8	2.2	1074	11	49	17
	Orientation:	005 / 45 E	True Width :	0.3 m	Host :	Limestone						

Comments : Centimetre scale quartz veinlets containing chalcopyrite, found within an one metre wide shear zone. The shear zone is exposed within a small stream.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Cu	Pb	Zn	As
		6346 506 N		Float		sSI						
		345 450 E	Strike Length Exp. :	--- m	Sulphides :	trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52606	Elevation:	650 m	Sample Width :	--- m	Oxides :	GE, JA	3	1.0	175	6	28	1
	Orientation:	-- / --	True Width :	--- m	Host :	Unknown						

Comments : Angular float measuring 15cm*10cm*5cm, found at approxiametly 5+00W, 2+30N on the Twilight grid. Vein has a porous texture where the sulfides have been leached out.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Chip		sCA, sTA, wSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 1.30 m	Sulphides :	<1%CP, 1%PY						
52607	Elevation: 975 m	Sample Width : 1.10 m	Oxides :	GE, HE, MN	7	3.5	1075	54	591	17
	Orientation: 054 / 34 SE	True Width : 1.03 m	Host :	Calcareous talc schist						

Comments : Chip sample from the bottom of trench TR91-03. Pyrite occurs as finely disseminated cubes throughout the schist while chalcopyrite is found within calcite filled fractures. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Grab		sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 0.15 m	Sulphides :	<1%PY						
52608	Elevation: 975 m	Sample Width : 15 cm	Oxides :	GE, HE, MN	65	3.3	398	179	909	97
	Orientation: 164 / 47 E	True Width : 15 cm	Host :	Calcareous talc schist						

Comments : Limonitic layer within schist. Pinches out to the west. Has a strong boxwork texture and oxides make up more than 20% of the layer. Found in trench TR91-03. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Chip		sCA, wSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 0.4 m	Sulphides :	3%PY						
52609	Elevation: 975 m	Sample Width : 30 cm	Oxides :	MN	17	2.1	384	93	1786	44
	Orientation: 054 / 34 SE	True Width : 25 cm	Host :	Calcareous talc schist.						

Comments : Siliceous and pyritic zone surrounding limonitic pod in trench TR91-03. Pyrite is either disseminated throughout or occurs as stringers. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Chip		sCA, sTA, wSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 1.40 m	Sulphides :	2%PY						
52610	Elevation: 975 m	Sample Width : 1.15 m	Oxides :	GE, HE, MN	2	2.1	296	296	598	11
	Orientation: 065 / 57 SE	True Width : 1.00 m	Host :	Calcareous talc(?) schist						

Comments : Upper part of the calcareous schist in trench TR91-03. Pyrite is disseminated throughout. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 180 N	Chip		sCY, mSI, wCA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 850 E	Strike Length Exp. : 1.6 m	Sulphides :	trPY, trSP, trGL						
52611	Elevation: 975 m	Sample Width : 30 cm	Oxides :	NONE OBSERVED	3	3.7	646	1505	1328	15
	Orientation: 090 / 30 S	True Width : 20 cm	Host :	Calcareous talc(?) schist and limestone.						

Comments : Fault gouge zone between the limestone and the calcareous schist at the top of trench TR91-03. ALDER SHOWING.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Cu	Pb	Zn	As
	6346 532 N	Grab		CA veining	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	345 352 E	Strike Length Exp. : 5.0 m	Sulphides :	2%PY						
52612	Elevation: 565 m	Sample Width : 30 cm	Oxides :	GE, HE	2	1.0	395	8	48	9
	Orientation: 094 / 90	True Width : 20 cm	Host :	Rusty and calcareous argillite.						

Comments : Stockwork of CA veining within an argilleous host. Argillaceous unit contains boulders of argillic limestone. Pyrite occurs as blebs in the veins or as stringers within the argillite. Calcite veinlets range in size from <1 cm to 5 cm.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 274 N	Chip	sCA, sDI(?), mEP, wSI						
	345 502 E	Strike Length Exp. : 10 m	Sulphides : 1%CP, trCC	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52613	Elevation: 740 m	Sample Width : 1.30 m	Oxides : HE, MC, MN	26	2.7	5051	1	99	1
	Orientation: 039 / 85 NW	True Width : 0.85 m	Host : Limestone						

Comments : Bottom chip sample of the 'Drop' showing. Orientation given is that of the foliation. Sulphides are either disseminated throughout or occur as small blebs or pods. DROP SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 274 N	Chip	sCA, sDI(?), mEP, wCL+SI						
	345 502 E	Strike Length Exp. : 10 m	Sulphides : 1%CP, trCC	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52614	Elevation: 740 m	Sample Width : 2.15 m	Oxides : HE, MC, MN	18	2.8	3242	1	140	1
	Orientation: 026 / 74 SE	True Width : 1.80 m	Host : Limestone						

Comments : Middle chip sample of the 'Drop' showing. Sulphides are disseminated throughout along the foliation. DROP SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 274 N	Chip	sCA, sCB, mEP, wSI, mDI?						
	345 502 E	Strike Length Exp. : 10.0 m	Sulphides : trCC, <1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52615	Elevation: 740 m	Sample Width : 1.9 m	Oxides : HE, MC, MN	23	2.5	2413	1	866	1
	Orientation: 045 / 57 SE	True Width : 1.5 m	Host : Limestone						

Comments : Upper chip sample of the 'Drop' showing. Sulphides disseminated along the foliation. DROP SHOWING.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 270 N	Grab	sCA, CA veining, wSI						
	345 486 E	Strike Length Exp. : 1.0 m	Sulphides : <1%PY, 1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52616	Elevation: 730 m	Sample Width : 70 cm	Oxides : HE, MC	8	4.2	3152	11	73	18
	Orientation: ? / ?	True Width : m	Host : Limestone						

Comments : Weakly siliceous outcrop with numerous calcite veinlets. Chalcopyrite found either disseminated or as small blebs within the siliceous host rock and within the millimetre to centimetre scale veinlets. Veinlets are oriented 120/82NE and 020/70SE.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6346 268 N	Chip	sCA, sCB, wCL, wEP, wSI						
	345 492 E	Strike Length Exp. : 2.00 m	Sulphides : <1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52617	Elevation: 735 m	Sample Width : 1.35 m	Oxides : HE, MC	14	2.3	2225	13	37	10
	Orientation: 049 / 40 SE	True Width : 1.25 m	Host : Limestone						

Comments : Strongly foliated shear zone containing disseminated chalcopyrite along foliation planes. Possible continuation of the 'Drop' showing.

Sample No.	Location :	Type :	Alteration :	Au	Ag	Cu	Pb	Zn	As
	6347 090 N	Grab	wSI						
	344 330 E	Strike Length Exp. : 20 m	Sulphides : trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52618	Elevation: 385 m	Sample Width : 20 cm	Oxides : GE	19	0.9	70	21	106	49
	Orientation: 000 / 30 E	True Width : 10 cm	Host : Rusty, graphitic argillite						

Comments : Pyrite is disseminated throughout. Grab sample from one of the more rusty locations. Silica occurs as small veinlets within the foliation.

Property : Scud River Project (Twilight Grid Area)NTS : 104G/4E Date : 09/11/91

Sample No.	Location :	6346 336 N	Type : Float	Alteration :	CA veinlets, WCB & SI	Au	Ag	Cu	Pb	Zn	As
		345 446 E	Strike Length Exp. : --- m	Sulphides :	5%PY, 1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
52619	Elevation:	680 m	Sample Width : --- m	Oxides :	trHE & MC	635	19.9	5411	1923	2794	184
	Orientation:	-- / --	True Width : --- m	Host :	Limestone.						

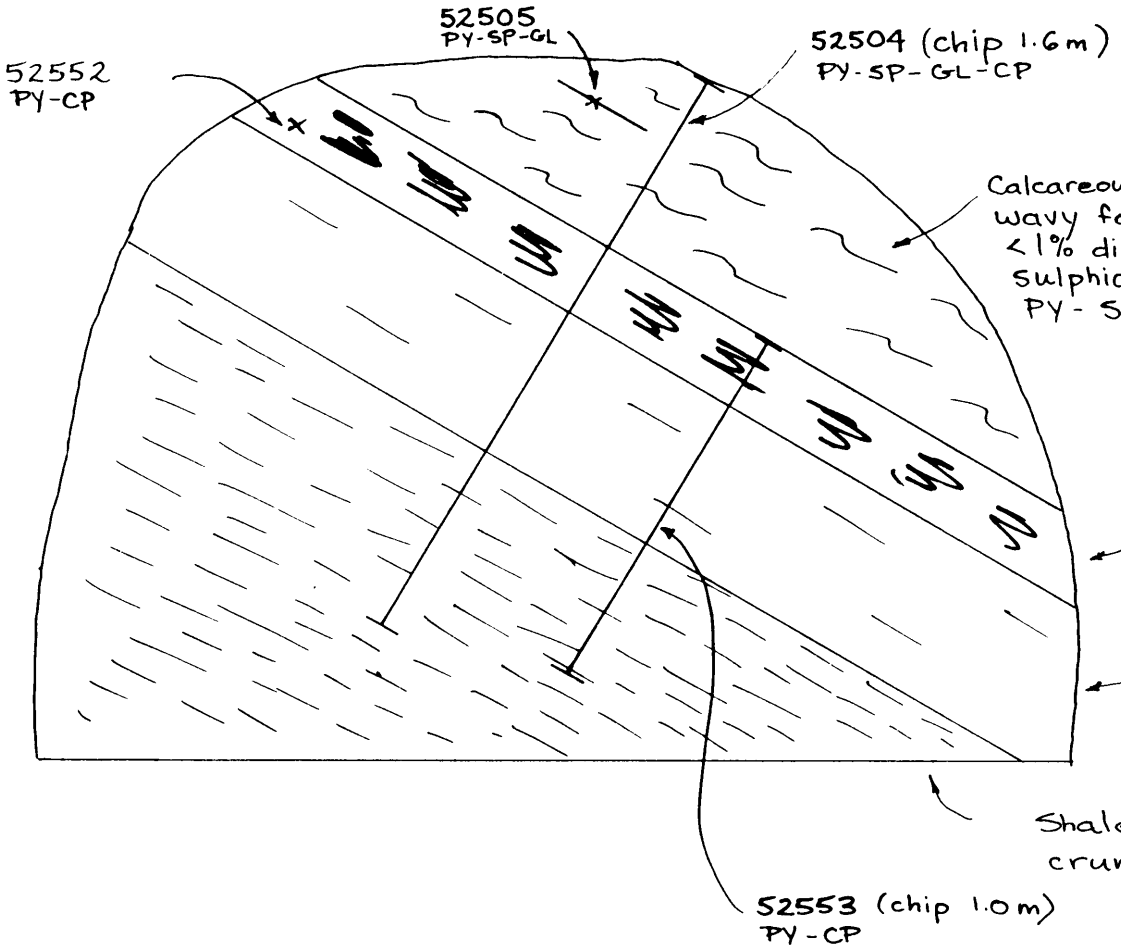
Comments : Gossanous float within a creek gulley at approxiamtely 5+00W, 0+58N.

APPENDIX D

TRENCH MAPS

ALDER SHOWING - TWILIGHT GRID

TRENCH TR-91-01 X-SECTION



AZIMUTH 90°

LOOKING 180°

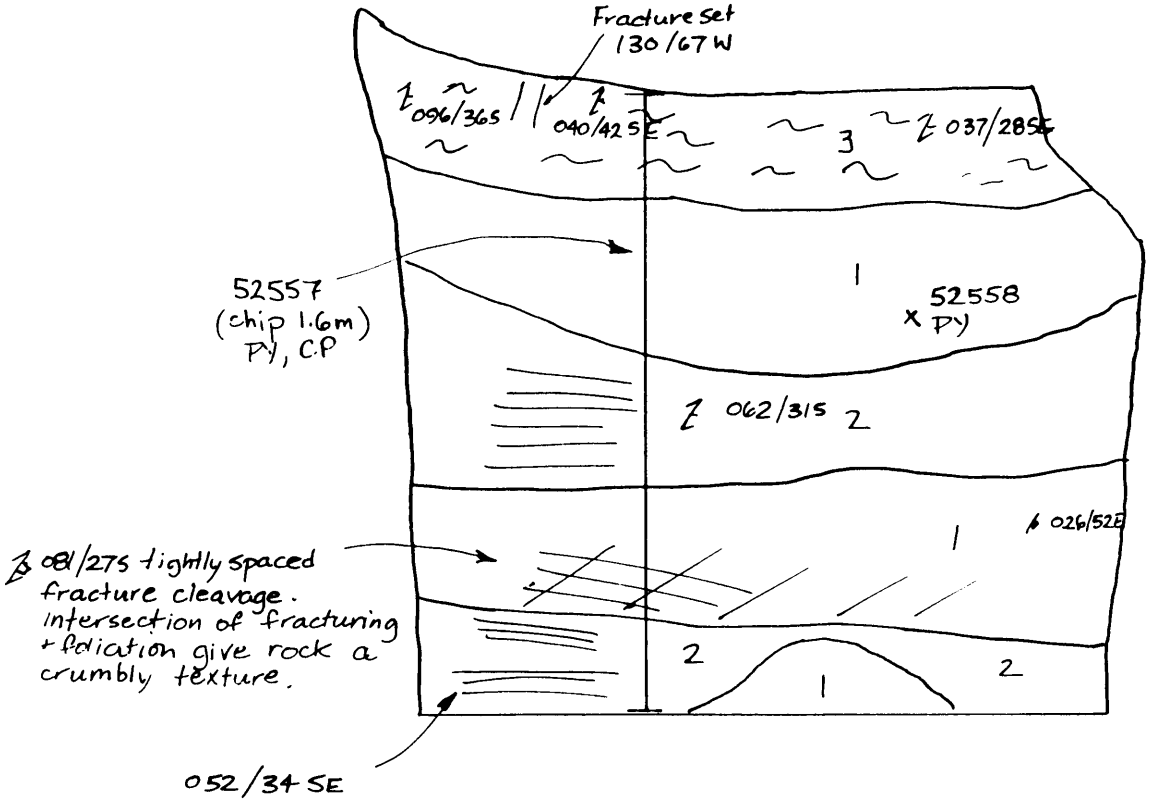
SCALE 1 : 20

0 ——— 1m

R. F.

ALDER SHOWING - TWILIGHT GRID

TRENCH TR-91-02 X-SECTION



Unit 1 Green-blue calc-silicate schist. Soft, brown to red-brown weathering, 1-3% disseminated Py

Unit 2 Highly fractured + crumbly fault gouge zone composed of calc-silicate schist + talc schist.

Unit 3 Variable in composition ranging from white talc schist to green calc-silicate schist. Foliation is anastimosing and crenulated. Contains 1-3% Py, tr. CP.

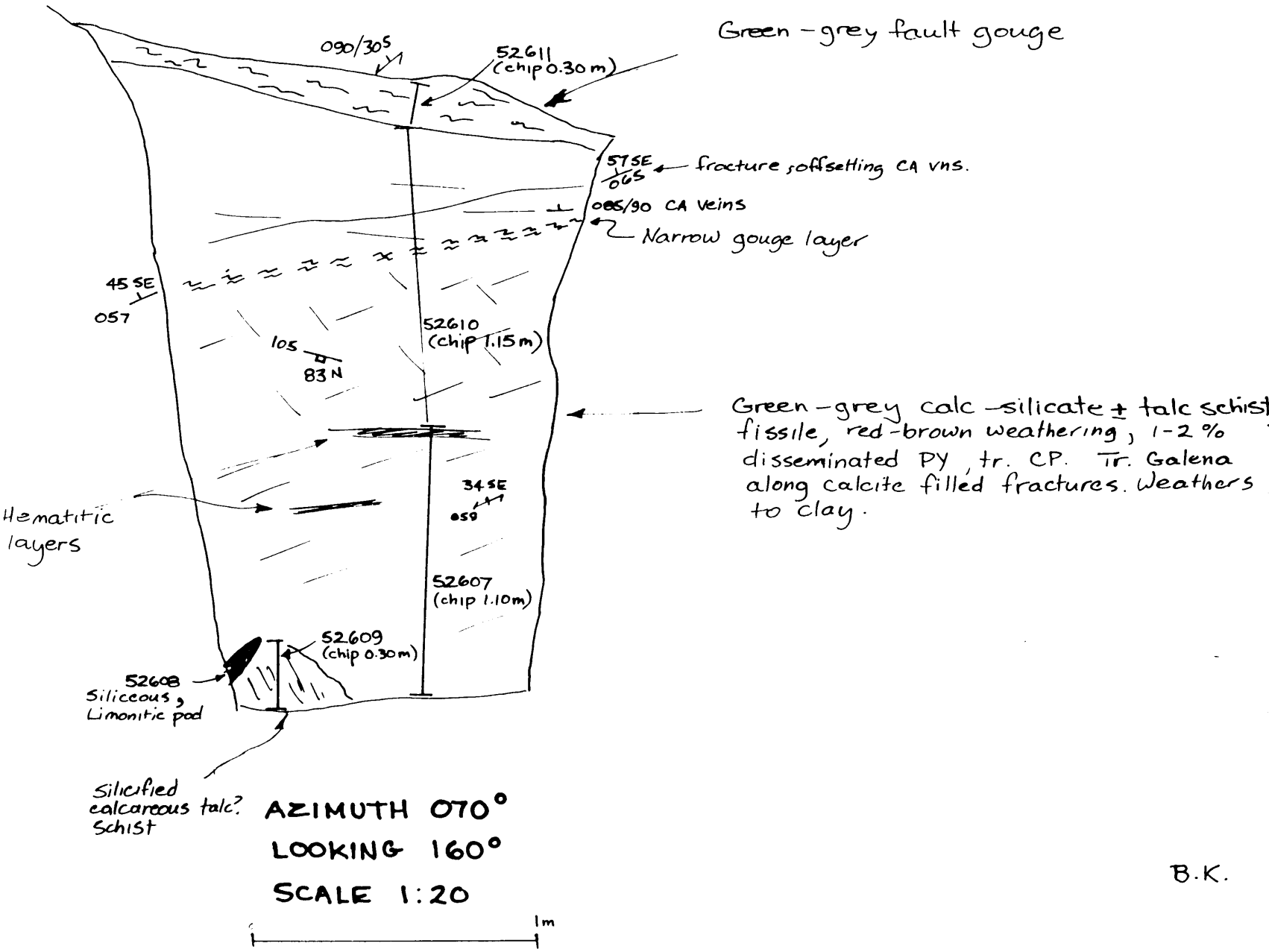
AZIMUTH 040°
LOOKING 140°
SCALE 1:20

0 1m

M. OD.

Note: Sample 52559 taken 1.5 m above trench

ALDER SHOWING - TWILIGHT GRID
TRENCH TR-91-03 X-SECTION



B.K.

APPENDIX E

CUMULATIVE FREQUENCY DISTRIBUTIONS

FOR SOIL GEOCHEMISTRY

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

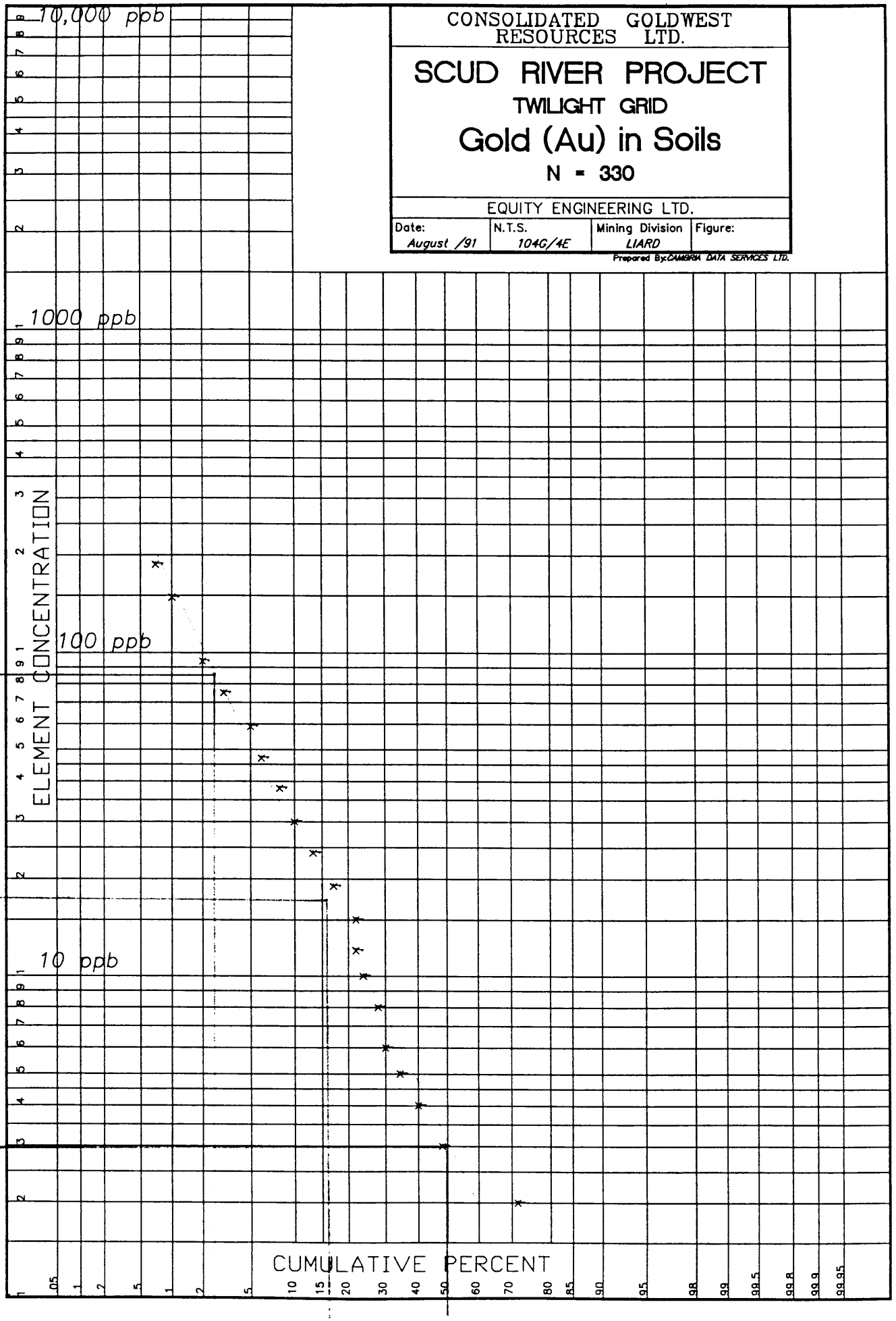
Gold (Au) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

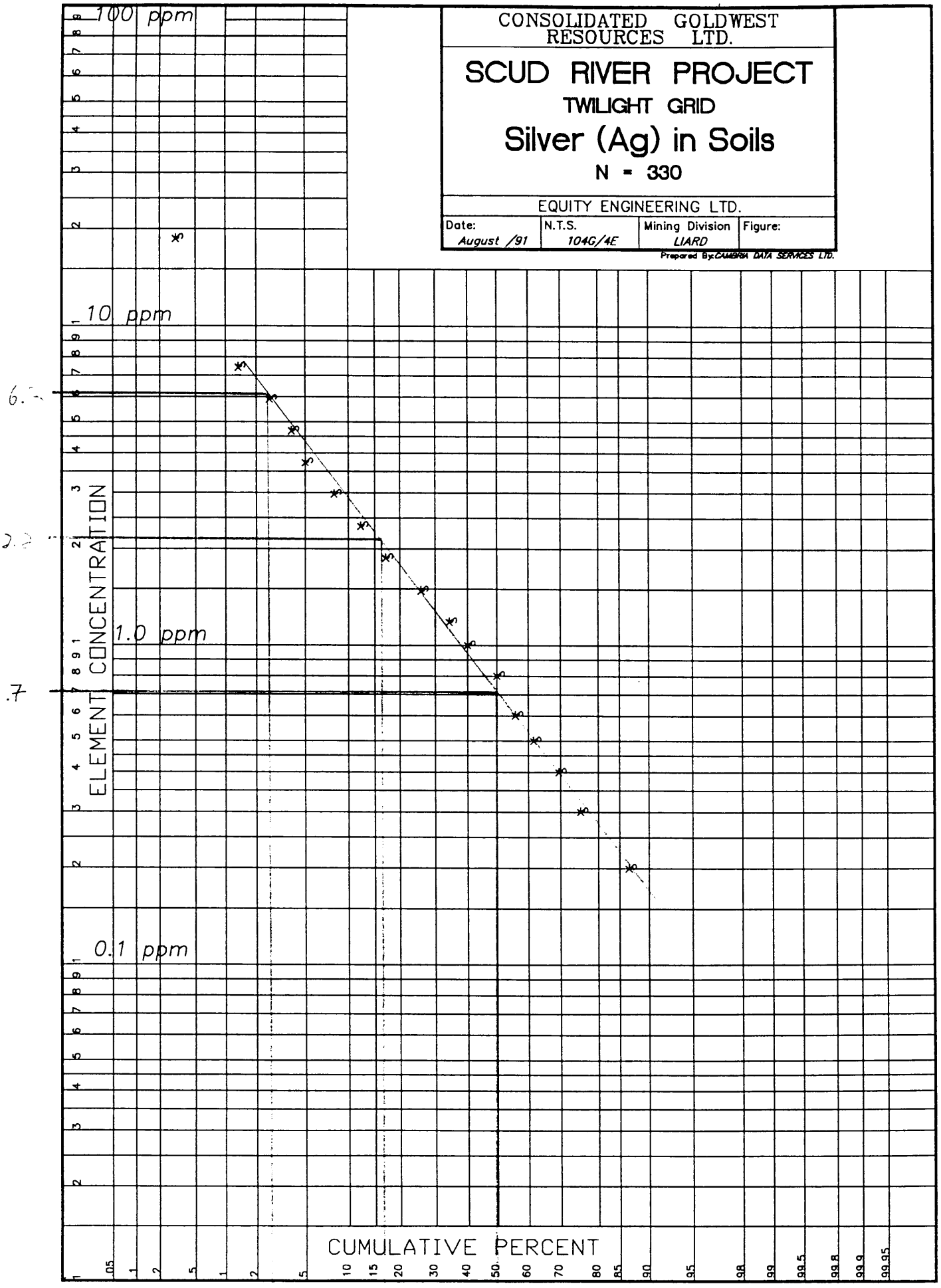
Silver (Ag) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

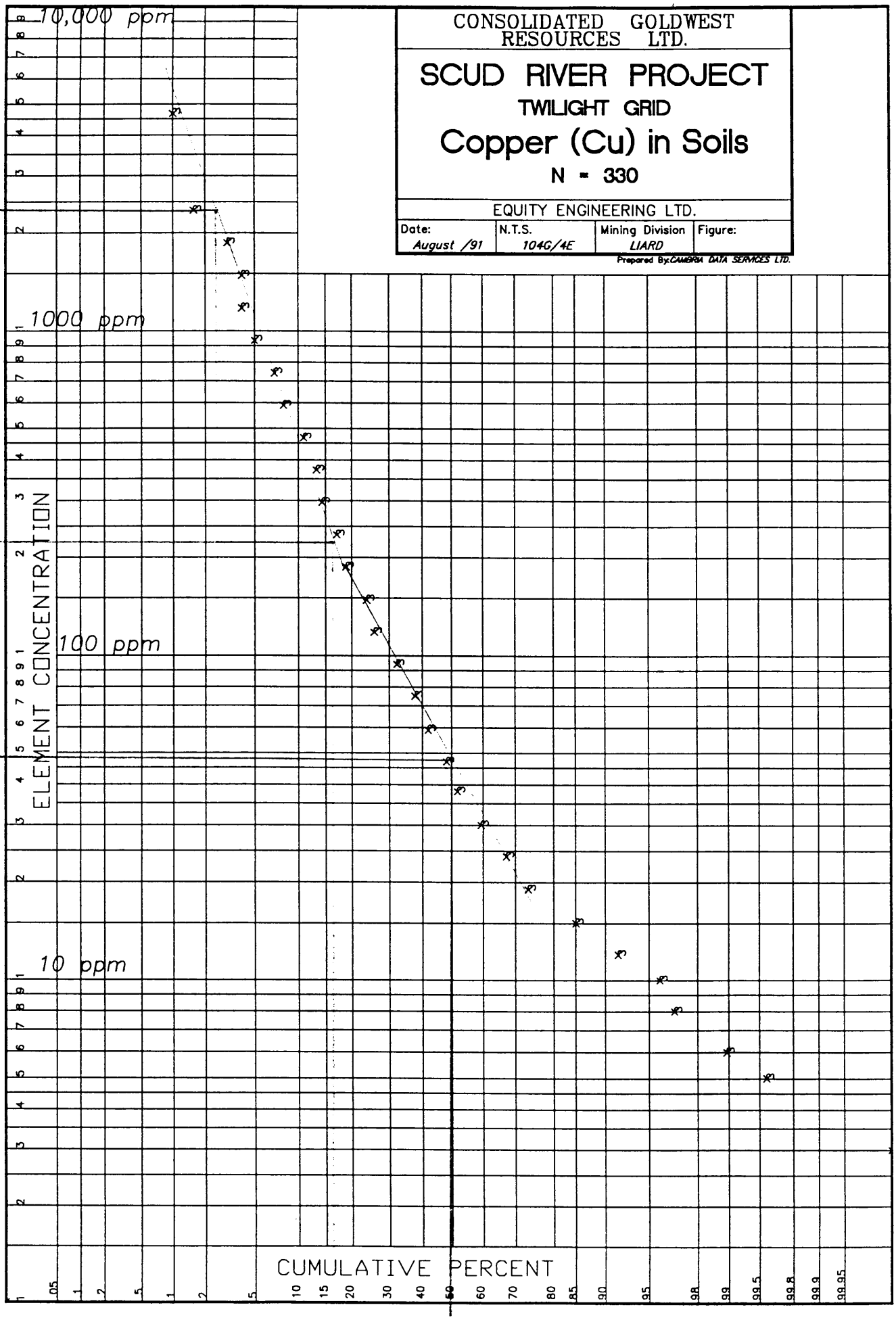
Copper (Cu) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

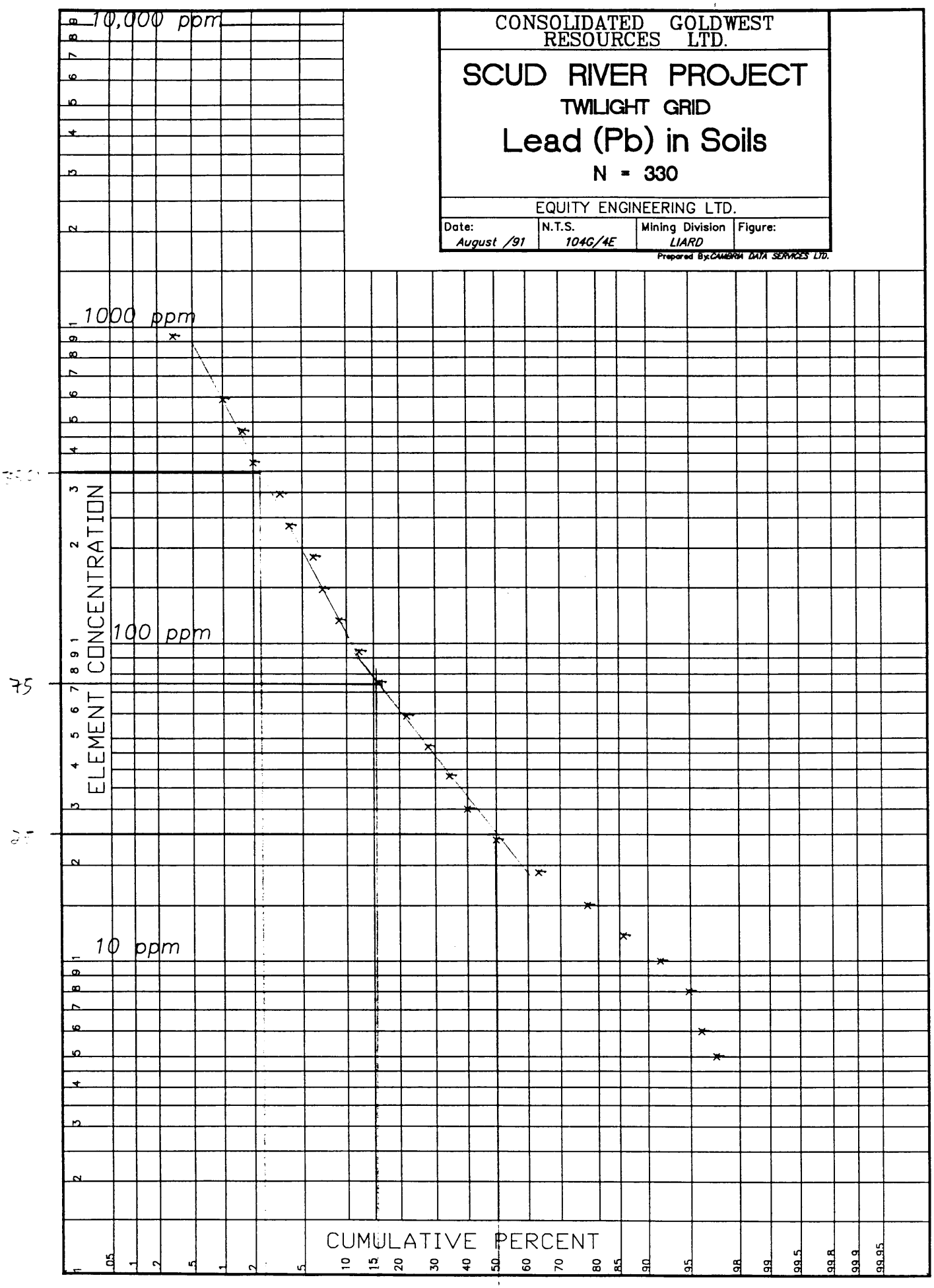
Lead (Pb) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

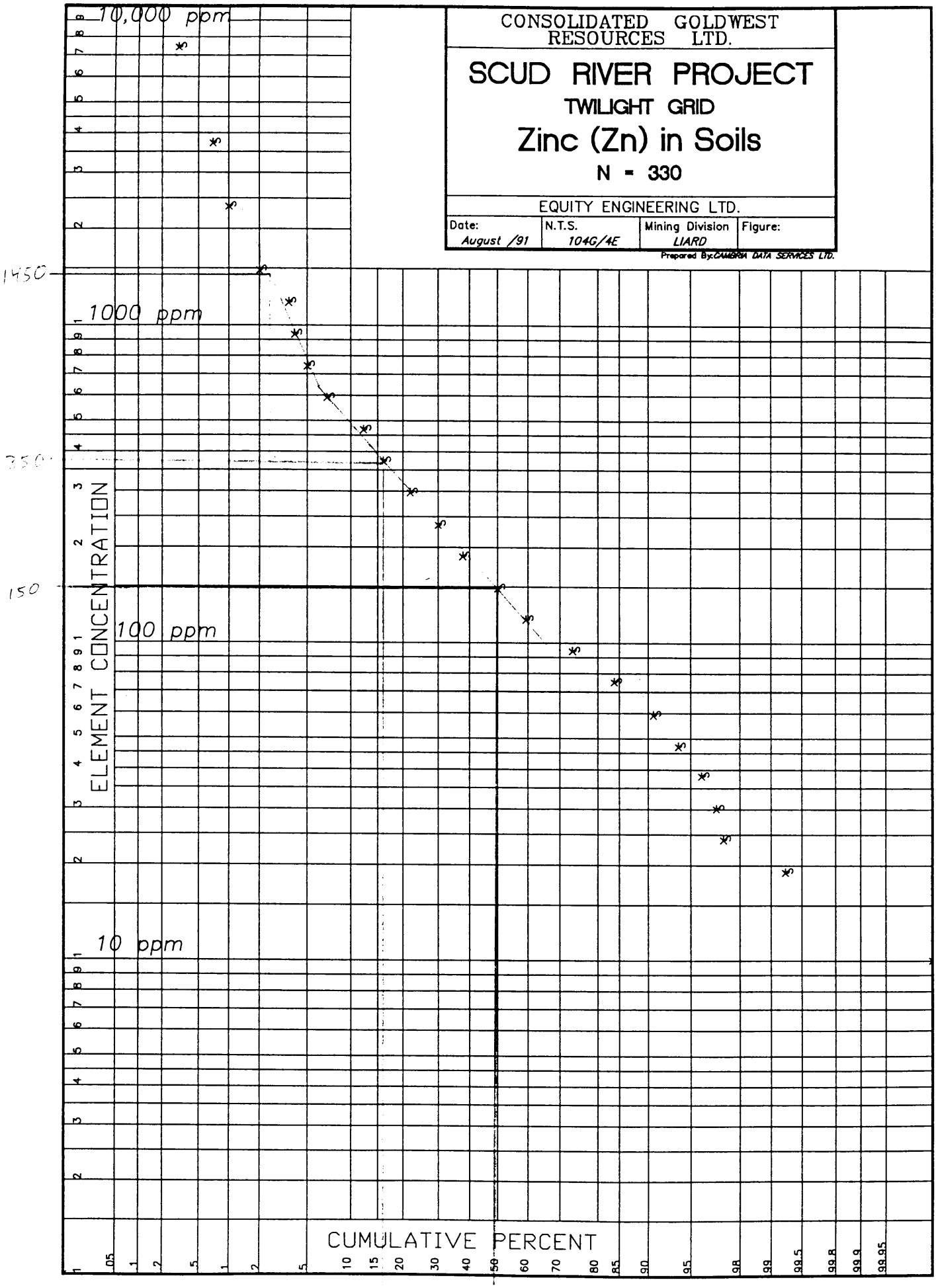
Zinc (Zn) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

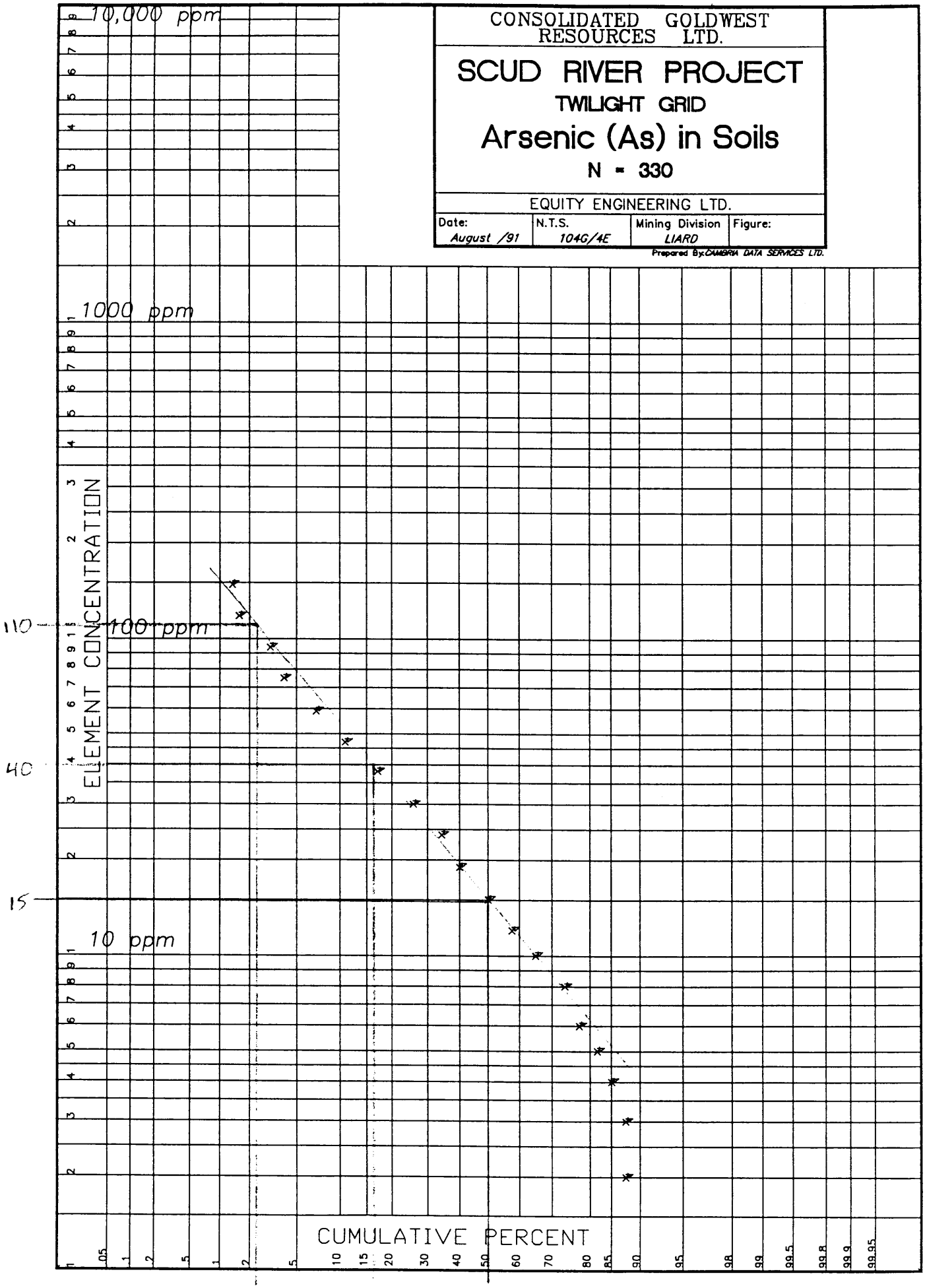
Arsenic (As) in Soils

N = 330

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
August /91	104G/4E	LIARD	

Prepared By: CAMBRIA DATA SERVICES LTD.



APPENDIX F

CERTIFICATES OF ANALYSIS

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER
ATTN: HENRY AWMACK / JIM FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0238-RJ1
DATE: 91/08/01
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
52501	1.9	520	1	11	7	.6	3	61920	.1	2	30	3080	180	7	43230	249	1	30	1	100	14	2	24	1	36	9.0	27	1	1	2	81	9
52502	7.9	1180	1	12	8	.1	1	91240	.1	13	4501	46120	570	7	79960	1463	1	30	1	10	1	3	156	1	22	16.9	313	1	2	1	24	56
52503	3.1	380	50	6	7	.1	7	156960	.3	3	132	7870	170	3	9470	407	2	20	4	450	28	11	64	1	28	16.2	35	12	1	3	19	7
52504	4.5	5490	27	7	246	.3	4	61560	18.0	10	955	31930	2730	7	6630	2357	46	70	1	740	732	2	105	1	410	24.5	2196	2	1	1	18	21
52505	17.2	470	131	24	5	.1	18	74430	1004.2	22	1993	83370	180	1	3100	3386	388	10	1	280	4007	21	113	1	10	9.2	124500	1	3	37	4	64
52506	8.4	3090	66	11	86	.1	9	74600	239.3	9	1557	40780	1740	5	9630	2873	201	440	1	350	1231	8	130	1	158	16.5	23035	3	2	2	11	53
52551	2.9	430	1	4	16	.4	4	114070	.9	3	130	6210	280	2	60870	1028	4	740	1	110	36	3	129	1	10	11.2	797	1	2	1	30	12
52552	15.4	2030	35	6	7	.1	2	74520	105.2	13	4375	35230	1310	7	8450	3691	34	30	1	150	2419	10	128	1	12	44.0	10202	3	2	3	9	97
52553	10.1	6180	40	6	64	.1	5	63550	53.1	12	2239	37050	3000	8	7180	2597	41	70	1	850	3700	6	126	1	428	25.5	5511	2	1	2	12	43
52554	13.0	3570	39	35	4	.1	1	78060	.1	21	15568	69940	140	1	1460	708	70	10	1	180	74	15	19	1	159	12.7	398	3	1	7	8	104
52555	2.2	2210	26	3	10	.1	3	91010	.1	3	182	12240	340	4	9620	928	3	410	2	270	41	4	178	1	11	9.0	108	7	1	2	35	2
52556	19.5	3720	52	5	7	.1	1	107100	56.5	25	11545	37730	1200	5	15570	2630	7	30	2	210	76	15	275	1	49	18.9	7040	5	1	4	23	152
52557	2.7	8020	6	5	113	.1	9	36200	.1	8	461	18100	4750	5	2750	1246	31	140	1	1330	178	1	84	2	1782	35.7	345	2	2	2	29	16
52558	2.6	6640	11	5	66	.1	9	52440	.1	8	369	19740	4420	4	2090	1234	55	160	1	1130	69	1	122	1	1862	34.0	311	2	1	3	53	13
52559	8.9	1580	94	8	6	.1	8	92290	199.7	13	2256	50300	960	2	6330	3753	61	650	1	230	813	9	141	1	46	15.0	19107	4	2	3	9	83
52560	4.5	1060	45	3	6	.2	5	79500	27.7	7	1135	13980	400	2	7400	2921	48	410	5	250	467	5	141	1	58	11.8	2472	4	1	2	27	18
52561	3.6	4920	43	5	63	.1	6	114500	13.8	6	829	10750	2920	6	6290	1425	13	40	4	1320	54	6	206	1	100	25.9	889	9	1	3	29	3
52601	1.8	420	21	2	5	.3	1	32580	2.1	2	4074	2700	200	1	11680	256	20	40	4	200	20	5	22	2	13	6.6	255	4	1	3	55	2
52602	6.2	150	1	9	8	.1	1	16200	.1	5	12636	47400	210	1	5510	120	177	20	1	260	18	11	10	1	4	3.8	167	1	1	2	1	23
52603	3.0	330	1	19	49	.9	1	68550	.1	4	1870	9510	110	3	80650	990	1	20	1	10	1	1	26	1	8	24.5	719	1	2	1	20	3
52604	3.1	260	17	4	5	.3	1	68480	.1	3	4708	10690	100	1	27350	747	3	20	1	120	13	8	43	1	11	33.9	76	1	1	2	10	18
52605	2.2	5290	17	2	97	.1	3	39690	.1	3	1074	9550	3610	4	3240	1058	12	80	1	830	11	1	167	4	654	17.4	49	2	1	2	30	8
52606	1.0	4170	1	3	51	.2	2	4510	.1	3	175	24710	2590	4	1230	86	14	260	1	970	6	1	14	4	367	21.3	28	2	1	1	21	3
52607	3.5	4820	17	3	65	.1	7	57570	2.4	8	1075	18330	3460	3	3730	1310	13	100	1	1320	54	1	117	1	1327	21.1	591	3	1	2	28	7
52608	3.3	4300	97	6	259	.1	2	5600	.1	8	398	58940	3900	3	920	470	57	80	1	1440	179	1	23	1	67	12.0	909	1	1	1	9	65
52609	2.1	4170	44	4	213	.1	3	52130	17.5	6	384	25420	3180	2	970	1544	8	60	1	1180	93	1	102	1	53	11.9	1786	2	1	1	25	17
52610	2.1	6850	11	3	84	.1	5	52010	2.5	6	296	15980	4490	4	1770	1188	26	140	1	1260	296	1	134	1	809	24.3	598	3	1	2	28	2
52611	3.7	5910	15	3	85	.1	3	52120	10.4	10	646	19980	3390	7	3750	960	6	140	1	1150	1505	3	126	1	410	16.9	1328	3	1	2	27	3

MIN • EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

1S-0238-RA1

Company: EQUITY ENGINEERING LTD.
Project: SCUD RIVER
Attn: HENRY AWMACK / JIM FOSTER

Date: AUG-01-91
Copy 1. PRIME EQUITIES INC., VANCOUVER, B.C.

We hereby certify the following Assay of 7 ROCK samples submitted JUL-26-91 by ROBERT FALLS.

Sample Number	CU %	ZN %
52505		15.08
52506		3.07
52552		1.41
52554	1.964	
52556	1.357	
52559		2.80
52602	1.327	

Certified by

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER
ATTN: HENRY AWMACK /PETER LOUGHEED

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0239-SJ1+2
DATE: 91/08/01
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
5+00W 1+75N	1.4	21720	54	35	49	1.7	7	6160	.1	10	48	35040	470	31	6010	5910	7	610	16	1480	54	1	12	4	850	59.4	174	1	1	3	35	22
5+00W 1+50N	3.5	7410	57	22	18	.1	13	6780	.1	9	51	32620	900	11	1250	462	122	370	1	650	24	1	15	1	2814	75.6	58	4	2	3	8	15
5+00W 1+00N	2.0	33200	17	16	52	.5	8	4910	.1	29	894	72080	1510	25	13500	1235	22	300	1	1190	24	1	13	1	2135	105.0	133	1	1	3	29	20
4+00W 4+00N	1.6	13590	24	16	23	.1	9	11830	.1	9	43	44430	800	9	2740	338	14	380	1	2930	37	1	23	2	1964	127.7	87	4	2	4	44	2
4+00W 3+75N	.6	19110	7	51	47	.6	7	23540	.1	16	353	48710	570	10	4830	3774	2	470	8	1670	53	1	23	1	1028	86.2	234	1	1	3	28	16
4+00W 3+00N	1.3	18010	44	12	45	.9	5	16210	.1	21	290	58840	450	11	5030	2509	9	590	1	1470	154	1	24	1	1099	81.1	208	1	1	2	18	40
4+00W 0+75N	1.5	14620	6	8	14	1.0	7	8070	.1	7	243	23040	330	7	4980	349	15	540	1	1270	21	1	16	1	1424	42.2	164	4	2	2	13	2
4+00W 2+75S	.3	7720	7	5	19	.5	2	6130	.1	5	12	16520	230	5	1070	884	1	460	10	880	16	1	8	1	317	35.7	86	1	1	1	21	1
4+00W 3+00S	1.0	44850	10	7	49	1.8	4	9670	.1	23	162	39600	340	9	4480	694	1	690	41	1350	49	1	14	1	590	44.7	285	1	1	3	52	1
4+00W 3+25S	.5	19980	14	5	59	.3	6	3160	.1	12	162	50530	480	10	5920	399	1	730	17	500	33	1	12	1	1474	87.6	138	3	1	3	46	2
4+00W 3+50S	.8	29150	8	7	43	2.1	7	9100	.1	16	57	51930	540	14	7290	1354	1	710	15	930	44	1	14	2	1380	96.4	276	2	1	4	51	1
4+00W 4+25S	1.0	12010	14	4	35	.8	4	24850	.1	6	30	19850	580	4	3850	580	1	1170	11	1570	24	1	19	2	475	27.2	117	4	1	2	26	2
4+00W 4+50S	.3	22390	2	6	65	1.7	7	12610	2.6	16	27	40010	680	11	4380	3630	1	690	33	2380	46	1	28	1	1153	65.1	627	1	1	3	46	3
4+00W 4+75S	2.1	2330	1	5	24	.6	1	92090	.1	6	6	7980	170	2	110450	3413	1	650	12	690	1	1	38	1	56	18.6	140	1	2	1	25	2
4+00W 5+00S	.9	18440	1	6	44	1.1	8	64730	2.6	17	20	34970	490	7	43400	6228	2	620	46	7500	38	1	43	1	1202	77.4	395	1	2	2	33	1
3+00W 1+75N	1.1	15660	12	6	38	.1	9	6380	.1	11	37	60690	370	5	5820	287	3	490	1	470	29	1	11	1	2040	169.3	72	6	1	5	66	2
3+00W 1+50N	2.9	21860	54	281	70	1.6	7	12860	.1	7	72	25440	800	11	25270	1679	3	1180	8	1220	23	1	15	1	1085	44.5	697	3	2	3	28	2
3+00W 1+25N	1.1	18020	10	24	61	1.6	7	35820	.1	8	103	29110	250	4	34830	3102	2	550	14	2220	114	1	25	1	781	91.8	401	1	1	2	32	1
3+00W 1+00N	.1	20500	45	11	245	1.4	19	18830	4.3	13	91	40520	460	11	6910	9502	3	590	39	2790	84	4	24	1	645	62.8	1576	1	1	3	33	3
3+00W 0+75N	1.1	11260	37	6	214	1.1	5	34050	19.7	10	860	29680	340	5	23600	7368	5	520	56	1510	73	5	22	1	380	79.3	1787	1	1	3	32	21
3+00W 0+50N	.1	38610	46	6	33	1.0	5	7020	.1	18	385	51040	390	9	4290	2945	14	1210	17	2130	155	1	9	1	484	83.7	715	1	1	3	36	10
3+00W 0+25N	.5	32500	15	5	38	.7	5	6210	.1	11	95	47830	250	9	3880	469	1	490	5	940	44	1	7	1	844	76.7	156	2	1	3	41	5
3+00W 0+25S	.7	3760	5	2	5	.1	4	3100	.1	4	11	12990	320	1	360	116	2	620	1	520	9	1	4	1	894	12.3	49	2	2	1	7	2
3+00W 0+50S	.9	3080	16	3	11	.4	1	24770	.1	4	9	11280	220	1	1050	156	1	390	6	810	9	1	31	2	134	5.7	85	2	1	1	8	2
3+00W 0+75S	.5	1250	9	2	8	.1	1	10660	.1	1	6	5260	240	1	520	44	1	970	3	600	8	1	13	1	104	4.7	77	1	1	1	4	1
3+00W 1+00S	.7	1500	15	3	18	.1	1	13060	.1	3	23	8580	290	1	660	39	1	940	4	980	11	1	20	1	57	7.0	78	1	1	1	6	1
3+00W 1+25S	.3	6370	24	4	23	.1	2	7850	.1	8	10	22960	560	3	930	200	1	380	5	540	13	1	13	1	66	18.2	73	1	1	1	12	3
3+00W 1+50S	.2	6430	16	4	49	.2	1	8350	.1	9	19	29370	510	5	930	530	1	470	9	690	10	1	16	1	59	15.0	93	1	1	1	9	1
3+00W 1+75S	.2	9120	17	3	38	.4	2	7120	.1	8	20	26990	410	10	2510	467	1	530	1	660	13	1	11	2	70	17.9	73	2	1	1	9	2
3+00W 2+00S	.4	7730	16	5	17	.1	4	2410	.1	8	13	22860	410	5	680	73	2	430	14	300	15	1	5	1	641	63.6	149	5	1	2	14	1
3+00W 2+25S	.8	13370	12	31	13	.1	5	1170	.1	11	102	53320	260	21	3700	440	1	50	1	280	33	1	7	1	1282	50.9	79	1	1	2	39	4
3+00W 2+50S	.1	22810	31	17	32	.1	7	810	.1	19	121	83770	370	15	3860	2260	1	350	1	410	52	1	7	1	1689	78.1	146	1	1	3	42	2
3+00W 2+75S	.6	23490	13	11	39	.1	9	2260	.1	13	104	66710	520	12	4320	389	1	390	1	410	29	1	11	1	2332	137.3	104	3	1	4	43	10
3+00W 3+00S	.1	11570	10	5	41	.6	1	990	.1	17	35	59540	310	7	1420	195	1	20	1	650	10	2	43	1	22	172.7	215	1	1	3	20	1
3+00W 3+25S	.1	19600	21	3	57	.7	2	1340	.1	16	26	53230	430	8	940	151	1	700	27	490	14	1	5	1	305	91.7	170	2	1	2	25	1
3+00W 3+50S	.5	3020	4	1	9	.1	3	300	.1	2	5	5530	140	1	370	30	1	40	1	100	9	1	2	1	570	33.5	22	4	1	1	7	1
3+00W 3+75S	.2	7850	13	1	18	.1	2	290	.1	6	31	32710	250	2	660	52	1	320	1	460	17	1	5	1	299	49.7	42	2	1	1	11	1
3+00W 4+00S	.2	28380	13	2	31	.6	6	6510	.1	14	95	51580	330	12	4800	525	1	60	19	430	32	1	9	1	1098	79.1	109	2	1	3	45	1
3+00W 4+25S	.4	5500	1	1	11	.1	5	270	.1	3	11	14120	270	1	650	54	1	50	1	200	10	1	3	1	1035	67.1	23	3	1	1	11	5
3+00W 4+50S	.8	13640	1	1	45	.1	10	3300	.1	10	38	33130	300	4	1930	287	3	440	11	590	25	1	9	1	2104	119.3	142	5	2	3	36	2
3+00W 4+75S	.4	17390	10	1	40	1.1	5	8950	1.6	11	30	31740	370	8	3530	2406	1	130	32	1710	42	1	12	1	801	45.9	341	1	1	2	42	1
3+00W 5+00S	2.5	3240	1	1	19	.8	1	83020	.1	4	13	7840	150	1	96800	1122	1	1170	1	480	1	1	37	1	135	16.0	123	1	2	1	25	1
2+00W 3+50N	1.5	13370	32	1	71	.5	4	14260	.1	9	75	26410	320	9	5450	908	1	170	20	890	86	5	16	1	779	66.1	572	3	3	3	46	2
2+00W 3+25N	1.8	15300	68	1	35	.9	9	10870	.1	9	30	30210	150	6	5080	1641	3	60	8	600	311	15	7	1	1148	74.4	340	3	1	3	35	4
2+00W 3+00N	2.0	13040	29	1	38	.8	3	34170	.1	10	44	24950	220	7	29150	1194	1	90	43	1010	54	14	21	1	342	54.1	290	1	1	3	65	1
2+00W 2+75N	4.4	3220	1	1	41	.6	3	79370	.1	3	25	6730	100	1	82860	1692	1	1250	1	1000	197	6	46	1	52	14.9	326	1	2	1	23	2
2+00W 2+50N	.1	53810	5	1	85	2.4	7	12610	.1	15	22	39620	120	8	7870	5631	1	1030	57	1700	65	1	13	1	450	68.0	485	1	1	4	80	1
2+00W 2+25N	1.2	18240	6	1	39	1.2	7	11010	.1	10	12	31970	400	14	2300	662	1	370	1	340	25	1	9	1	1450	59.8	167	5	2	2	29	1
2+00W 2+00N	1.4	9260	3	1	140	.9	5	64270	4.9	8	40	21180	270	3	45940	7529	1	880	54	1900	111	16	29	1	203	35.1	528	1	1	1	24	5
2+00W 1+75N	.5	17290	9	1	59	.9	6	14350	.1	12	15	33720	500	11	4140	1528	3	710	16	1080	32	1	12	1	1109	83.1	291	3	1	3	29	2
2+00W 1+50N	.7	31380	16	1	46	.2	8	6080	.1	13	61	44880	370	11	9650	637	1	440	30	700	22	1	13	1	1632	70.0	92	2	1	4	65	1
2+00W 1+00S	.2	6800	63	2	51	.3	1	11240	.1	14	32	42120	1060	7	2130	463	1	160	32	1040	22	5	17	1	71	16.7	284	1	1	1	13	12
2+00W 2+00S	.2	18340	9	1	21	.1	6	2240	.1	14	52	45680	350	12	6320	696	1	60	14	480	21	1	9	1	1253	73.2	84	2	1	3	51	2
2+00W 2+25S	.1	3570	3	1	6	.1	1	520	.1	5	5	13040	50	1	180	990	1	20	1	410	9	1	2	1	76	4.5	21	1	1	1	9	1
2+00W 2+50S	.1	11640	14	1	29	1.1	2	8310	.1	10	14	29270	320	5	900	1316	1	190	29	1110	15	1	12	1	228	16.9	100	1	1	1	15	3
1+00W 1+50N	.1	7090	29	1	53	.1	2	560	.1	11	90	46180	480	2	1130	237	6	80	12	490	48	3	6	1	63	19.2	222	1	1	1	13	1
1+00W 0+50S	2.9	13570	75	3	127	.6	2	8810	1.1	11	1422	46220	1610	14	7470	2957	28	140	2	1050	128	9	17	1	381	52.6	1246	1	1	1	16	26
1+00W 0+75S	7.6	16970	41	6	55	.3	1	53510	60.9	21	5188	74760	6770	86	55190	2146	6	1170	1	1410	683	8	97	1	275	77.6	7962	1	1	1	21	30
1+00W 3+00S	.3	26500	9	1	34	.3	5	2560	.1	8	117	47680	400	7	2930	250	1	970	1	530	29	1	8	1	1183	85.5	202	2	1	2	33	2
1+00W 4+25S	1.2	11380	4	1	48	.1	10	5380	.1	8	76	21680	430	7	3130	175	1	130	2	620	28	1	12	1	2201	78.8	182	7	3	2	25	5

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER
ATTN: HENRY AWMACK /PETER LOUGHEED

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0239-SJ3
DATE: 91/08/01
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
1+00W 4+50S	.9	18620	16	14	37	1.3	3	17560	.1	11	24	32000	320	17	2910	408	1	460	19	1270	23	1	19	1	542	37.9	217	2	1	1	32	2
0+00W 3+00N	1.5	4200	1	9	45	.8	2	73810	.1	5	20	10800	240	7	68070	2692	1	460	8	1330	15	1	36	1	139	27.5	317	1	2	1	22	4
0+00W 2+00N	.8	11320	17	8	57	1.6	3	28550	.8	7	46	24870	410	6	12160	1974	1	560	18	2180	73	10	24	1	306	32.9	332	1	2	2	29	2
0+00W 1+75N	.1	12570	3	3	38	1.6	3	3640	.6	8	25	27490	90	4	1280	4585	1	370	21	660	62	6	6	1	365	33.8	302	1	1	1	17	1
0+00W 1+50N	.1	16690	9	3	24	.7	4	1560	.1	12	18	45050	140	7	1340	3370	1	30	5	440	97	2	5	1	831	49.1	268	1	1	2	26	1
0+00W 1+25N	2.1	930	1	1	18	.7	1	91910	.1	3	3	4400	70	2	106690	1250	1	230	1	230	1	1	36	1	22	12.0	52	1	2	1	19	1
0+00W 1+00N	.1	38220	4	3	45	1.1	9	5730	.1	19	24	64010	320	10	4640	1945	1	690	6	1110	101	1	10	1	1511	111.5	367	1	1	3	64	8
0+00W 0+75N	.4	29810	28	1	31	1.0	5	5370	.1	13	24	38730	320	11	6990	754	1	480	31	750	282	1	9	1	951	81.9	382	1	1	3	49	2
0+00W 0+50N	.7	21550	5	1	43	.1	11	2720	.1	12	35	57650	350	6	4900	221	1	60	1	250	20	1	10	1	2690	157.4	65	5	2	5	57	1
0+00W 0+25N	.3	52890	1	2	52	.9	7	6140	.1	20	104	38010	480	10	6210	749	1	540	33	970	39	1	12	1	885	61.6	138	1	1	3	74	5
0+00W 0+00S	.2	16100	9	1	34	.9	2	4240	.1	8	15	26100	320	3	1040	1550	1	340	10	1480	20	1	11	1	259	30.5	185	1	1	2	24	4
0+00W 0+25S	1.6	15690	61	2	85	.3	4	5270	1.7	13	1707	49440	880	10	5430	6587	23	80	10	1180	211	5	10	1	443	73.5	1387	1	1	2	15	60
0+00W 0+50S	1.3	18060	27	1	59	.4	4	4820	.1	15	946	41510	650	8	7960	2657	6	450	31	890	70	1	13	1	721	63.8	707	1	1	3	42	36
0+00W 0+75S	.2	15820	27	1	87	.1	5	690	.1	10	106	52010	500	5	3170	928	10	40	1	460	73	1	5	1	991	60.2	224	1	1	1	18	4
0+00W 1+00S	1.1	15010	5	1	43	.1	3	10	.1	6	113	36450	470	6	1380	187	2	50	1	540	14	1	4	1	406	59.8	49	3	1	1	13	1
0+00W 1+25S	.1	11100	14	1	34	.6	1	450	.1	12	42	33310	420	5	1140	914	1	130	1	740	17	1	4	1	132	18.6	76	1	1	1	9	2
0+00W 1+50S	.1	9900	25	1	40	.7	2	4190	.1	8	10	28270	580	6	900	411	1	190	1	960	16	1	7	1	207	18.2	127	1	1	1	11	1
0+00W 1+75S	.1	17220	21	1	30	.5	2	1350	.1	18	26	36000	410	7	1000	1156	1	60	8	720	32	1	6	1	479	45.4	152	1	1	1	21	2
0+00W 2+00S	.3	1510	11	1	8	.1	2	10	.1	3	7	6240	170	1	160	23	1	290	6	80	5	1	1	1	215	28.3	25	2	1	1	6	1
0+00W 4+00S	1.0	12730	4	1	39	1.4	5	20750	.1	5	15	17080	830	5	1970	765	1	1490	6	650	12	1	14	1	844	14.1	94	2	2	1	11	2
0+00W 4+25S	.5	10860	8	1	27	.5	3	12450	.1	7	19	19090	230	6	3350	703	1	650	16	1000	13	1	11	1	486	32.0	92	2	1	1	22	2
0+00W 4+50S	.6	18450	4	1	34	2.0	5	8900	.1	7	13	26040	690	6	2580	1328	1	1290	12	890	22	1	10	1	828	28.3	205	2	2	1	21	4
3+75W BL	.8	23200	9	1	38	1.3	3	24530	.1	8	122	27360	260	8	2870	1151	1	470	10	2700	16	1	22	1	300	43.3	579	1	1	1	33	2
3+50W BL	.5	13580	8	1	30	1.5	2	8190	.1	7	48	26710	380	5	1020	569	1	750	1	1060	14	1	10	1	370	15.8	142	2	1	1	11	1
3+25W BL	.1	21740	13	1	108	.7	2	3940	.1	17	623	38790	1020	10	4570	1185	14	440	1	700	18	1	20	1	245	50.9	106	1	1	1	11	15
3+00W BL	.1	37750	13	1	131	1.4	7	16850	5.3	17	113	53730	260	4	1910	6425	5	370	17	1390	55	1	18	1	874	63.5	384	1	1	2	33	2
2+75W BL	.1	10140	24	1	39	.5	1	7230	.1	12	45	32810	630	11	3340	1608	1	600	3	1660	29	1	12	1	208	24.0	191	1	1	1	14	1
2+25W BL	1.0	8580	10	1	27	.1	8	5620	.1	15	115	35620	400	3	900	701	42	550	2	520	66	17	8	1	1858	136.3	212	2	2	3	28	6
1+50W BL	.3	14630	73	1	59	.7	3	4180	.1	13	1062	49370	1470	13	9400	3069	23	600	1	1040	162	7	9	1	451	85.1	472	1	1	2	14	56
1+25W BL	6.9	14530	62	1	115	.2	5	12540	31.2	17	644	59560	710	5	2480	7403	14	560	13	2820	255	5	17	1	309	68.3	1422	1	1	2	20	40

COMP: EQUITY ENGRG./PRIME EQUITIES
PROJ: SCUD RIVER P.O. KGGPL
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0284-SJ1+2
DATE: 91/08/12
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
8+00W 4+00N	.2	17050	20	13	72	.1	5	6480	.1	15	73	51170	880	13	10860	524	5	170	58	4230	28	1	27	1	1037	96.9	108	3	1	4	73	2
8+00W 3+75N	.2	25430	13	9	78	.1	6	3900	.1	15	75	83140	840	15	9410	404	1	110	39	780	18	1	15	1	1341	107.2	124	2	1	4	75	2
8+00W 3+50N	.2	18020	1	7	11	.5	1	840	.1	7	16	60980	40	7	4940	127	2	280	1	840	17	1	4	1	221	22.7	34	2	1	2	36	1
8+00W 3+25N	.2	12340	17	5	31	.3	1	300	.1	8	23	55340	250	11	4830	89	1	360	9	410	12	1	5	1	120	21.9	71	1	1	1	24	4
8+00W 3+00N	.2	15550	9	5	73	.1	6	2960	.1	9	32	51730	570	6	6000	126	7	80	18	620	20	1	11	1	1436	182.9	60	4	1	5	58	1
8+00W 2+75N	.3	18460	45	3	17	.8	2	4890	.1	7	15	28500	160	8	1870	78	6	590	22	940	10	1	17	1	290	34.4	68	1	1	2	46	2
8+00W 2+50N	.2	7760	42	2	12	.1	2	1530	.1	4	12	21300	140	3	1020	18	7	350	18	480	11	1	7	1	274	45.1	45	1	1	2	34	7
8+00W 2+25N	.4	3770	1	2	29	.1	6	1190	.1	5	14	17390	330	1	460	88	6	540	1	220	18	1	6	1	1306	58.2	35	3	2	2	16	10
8+00W 2+00N	.2	12610	62	3	17	.1	2	1300	.1	11	44	40950	280	13	8050	84	6	330	53	490	24	2	6	1	261	74.3	95	5	1	3	41	3
8+00W 1+75N	.2	14020	5	5	22	.1	5	1070	.1	14	49	74460	320	7	4750	379	7	460	4	1520	32	1	6	1	1075	135.4	92	3	1	3	39	1
8+00W 1+50N	.8	19640	13	4	63	1.2	4	13310	.1	7	20	32020	530	15	9810	1356	2	430	14	3090	24	1	48	1	344	45.2	169	4	1	2	31	2
8+00W 1+25N	.6	22610	10	6	66	1.1	3	10180	.1	12	26	56250	520	13	13140	2541	2	300	19	2900	26	1	21	1	537	74.6	351	3	1	3	42	2
8+00W 1+00N	1.4	8450	20	4	175	.2	3	19090	.2	10	65	27980	860	6	11570	437	6	210	40	2510	15	1	36	1	498	60.0	277	1	1	2	24	1
8+00W 0+75N	1.9	11350	22	4	333	.1	6	22240	1.3	15	99	38200	940	9	13220	594	14	520	61	2690	14	1	51	1	1142	72.6	287	2	1	2	29	2
8+00W 0+50N	3.6	7390	42	6	292	.3	2	17530	10.6	17	171	39080	1310	7	8840	449	42	500	155	2800	20	9	52	3	75	106.3	669	2	1	3	43	2
8+00W 0+25N	1.0	3170	29	5	42	.2	2	63130	.1	10	27	27050	730	3	9010	220	2	420	37	1410	19	2	71	1	95	18.3	139	3	1	1	14	1
8+00W 1+25S	.8	1890	12	4	32	.2	1	38450	.1	3	15	7290	270	1	5600	117	1	470	10	1070	13	1	22	1	60	10.2	110	2	1	1	10	5
8+00W 1+50S	1.3	1380	15	6	21	.3	2	59550	2.0	2	18	4680	320	1	21510	260	2	560	6	1260	21	2	21	1	60	9.6	156	3	1	1	11	1
8+00W 1+75S	1.6	1620	6	4	22	.6	2	69760	.1	5	18	9770	440	1	49870	387	1	620	4	760	9	2	32	1	28	18.4	149	1	1	1	15	2
8+00W 2+00S	1.3	4850	15	3	36	.6	2	59300	2.3	7	20	11960	310	1	30920	1925	1	420	16	2110	51	3	22	1	118	21.9	206	1	1	1	20	3
8+00W 2+25S	.6	11490	25	2	34	1.0	3	11850	1.8	9	35	26500	340	4	1830	1213	2	340	16	1080	31	1	13	1	265	42.5	252	1	1	1	22	2
8+00W 2+50S	.2	5310	35	3	68	.3	1	11550	.1	8	81	29040	320	6	4230	673	4	270	22	540	18	1	12	1	87	30.2	226	1	1	1	21	1
8+00W 2+75S	.9	8810	11	3	45	.9	2	25280	.1	6	26	16880	300	3	910	500	3	630	9	1080	22	2	21	1	361	26.2	135	1	2	1	15	1
8+00W 3+00S	.3	6460	11	2	32	.4	2	13660	.1	6	46	16110	250	2	1090	465	4	430	9	950	20	1	18	1	207	32.9	160	1	1	1	13	1
8+00W 3+25S	.8	7470	22	5	61	.5	1	17050	.4	9	518	31040	570	3	1830	933	6	400	30	1360	22	1	24	1	91	28.8	115	1	1	1	18	2
8+00W 3+50S	1.3	13130	33	4	101	1.4	3	25530	1.3	9	47	29180	550	4	3070	1639	7	460	40	2080	24	4	45	1	180	37.2	149	2	1	2	26	1
7+00W 4+00N	3.7	7280	49	4	182	.2	3	10300	19.7	12	184	30970	690	4	2760	434	62	430	211	2410	18	11	36	1	177	152.8	1232	1	1	3	41	3
7+00W 3+75N	.3	16650	5	4	69	.3	2	30760	.1	17	59	48810	430	17	10220	283	12	470	33	490	18	1	30	1	22	40.7	101	3	1	2	37	2
7+00W 3+50N	2.5	7680	60	4	105	.3	3	10460	72.8	17	200	35280	600	6	5800	592	69	340	302	3310	18	8	41	1	305	126.7	1010	1	1	4	73	19
7+00W 3+25N	3.4	11770	46	3	39	.5	2	4320	.1	9	114	36490	210	6	4350	309	27	410	91	3780	16	11	18	1	74	50.0	292	1	1	2	27	34
7+00W 3+00N	.2	8300	32	58	42	.1	2	1070	.1	9	95	69840	220	4	2690	122	42	790	22	2300	30	4	9	1	523	92.2	261	1	1	2	46	27
7+00W 2+75N	.2	16000	41	9	52	.3	1	850	.1	16	123	86160	220	13	10990	1288	35	430	42	8840	25	2	26	1	106	145.2	426	1	1	3	41	22
7+00W 2+50N	5.1	2630	1	4	22	.1	1	6070	.1	2	32	5570	170	1	530	73	9	450	8	740	11	1	14	1	223	6.9	78	1	2	1	3	1
7+00W 2+25N	2.3	9480	12	5	20	.1	5	3140	.1	7	64	36540	280	3	2350	99	21	320	5	850	13	1	10	1	1281	99.5	69	2	1	3	35	6
7+00W 2+00N	.4	30370	18	6	37	.1	2	10880	.1	21	122	64050	320	4	2070	960	20	560	14	2280	16	1	31	1	450	41.2	213	1	1	1	23	28
7+00W 1+75N	1.3	2690	158	6	27	.2	1	2190	3.0	23	223	49050	190	1	180	751	98	270	268	1320	16	17	7	1	21	79.6	362	1	1	1	8	16
7+00W 1+50N	6.4	9610	56	5	66	.7	1	6950	.1	21	532	51660	280	2	880	841	60	360	116	2420	39	18	16	1	41	74.5	777	1	1	2	37	22
7+00W 1+25N	.7	4870	11	5	79	.6	1	28090	1.3	6	176	18790	240	1	1500	626	1	320	11	1530	16	2	38	1	108	12.5	238	1	1	1	9	1
7+00W 1+00N	.4	1570	12	4	25	.1	1	29610	.9	4	22	11570	260	1	1970	227	1	360	9	870	13	1	36	1	41	9.1	163	1	1	1	7	1
7+00W 0+75N	.4	1490	9	3	19	.3	1	22940	1.0	3	12	11010	210	1	4070	118	1	510	8	780	10	1	28	1	20	6.8	86	1	1	1	6	3
7+00W 0+50N	.5	1590	9	4	25	.2	1	32310	1.2	3	18	10680	230	1	2900	182	1	420	9	880	11	1	40	1	28	7.6	155	1	1	1	7	1
7+00W 0+25N	.6	1550	11	5	37	.1	1	53300	.4	3	13	6110	170	1	840	124	1	430	5	880	10	1	45	1	35	5.8	87	1	1	1	7	4
7+00W 1+00S	.4	720	6	4	20	.1	1	50350	.8	3	19	8480	230	1	1690	253	1	480	13	1450	9	1	43	1	18	5.6	76	1	1	1	6	2
7+00W 1+25S	.6	1850	12	3	39	.2	1	31440	.8	4	15	10580	200	1	2650	453	1	360	12	1390	12	1	29	1	40	9.5	142	1	1	1	12	1
7+00W 1+50S	.7	3210	5	6	26	.3	1	46720	.8	2	17	6810	230	1	1190	264	1	490	8	1470	10	1	29	1	96	6.2	102	1	1	1	10	2
7+00W 1+75S	1.2	3250	18	9	50	.4	3	54500	4.2	4	28	9680	330	1	17380	2323	2	360	13	2150	37	2	24	1	74	14.1	282	2	1	1	15	3
7+00W 2+00S	1.7	1680	1	4	31	.5	2	80470	.1	4	52	7580	270	1	58600	396	1	390	5	880	5	1	50	1	50	16.2	139	1	2	1	20	1
7+00W 2+25S	1.5	1530	4	3	14	.6	2	65690	.1	3	18	6070	170	1	41450	767	1	620	7	1080	27	2	28	1	45	11.1	145	1	1	1	16	2
7+00W 2+50S	1.3	4980	15	4	18	.8	2	64490	.8	3	16	6410	160	1	19180	397	2	360	5	930	15	2	23	1	136	10.6	106	4	1	1	13	2
7+00W 2+75S	.9	10360	16	5	63	1.0	3	49700	4.8	7	48	19850	500	5	5600	1303	3	450	29	1670	28	2	20	1	251	25.3	252	3	1	1	19	2
CL 6+50 0+00S	2.4	9090	19	5	59	1.5	3	61710	.1	7	39	19950	420	2	38430	534	4	530	26	1680	11	2	33	1	197	25.1	239	1	1	1	23	4
CL 6+50 0+25S	3.8	13960	36	3	171	.7	2	8750	6.6	13	110	33670	420	9	5890	566	28	460	87	1390	19	7	13	1	59	162.2	486	1	1	4	42	21
CL 6+50 0+50S	3.4	5970	37	4	79	.4	2	29360	23.3	12	159	29470	390	6	20490	607	42	370	147	1880	18	9	34	1	42	85.3	704	2	1	2	27	16
CL 6+50 0+75S	1.4	16370	15	3	107	2.0	4	47960	.1	7	16	19300	420	3	18200	969	1	700	5	1030	21	1	21	1	562	21.0	169	4	2	2	19	3
CL 6+50 1+00S	.8	7700	33	4	126	.7	2	56450	.1	9	17	21920	530	2	32920	909	1	430	4	1100	11	2	24	1	115	42.0	104	1	1	1	14	2
CL 6+50 1+25S	.9	5380	112	4	132	.5	2	61590	.1	11	25	22330	720	3	41350	849	1	290	2	1010	6	2	32	1	60	51.1	102	1	1	1	14	15
CL 6+50 1+50S	.4	14910	167	5	303	1.3	3	25660	.1	12	22	30670	660	5	6600	1522	1	670	5	1370	25	2	20	1	319	47.1	127	3	1	2	14	8
CL 6+50 1+75S	1.6	13840	1	3	102	1.9	3	64900	.1	4	13	12530	310	4	50100	1046	1	550	1	1490	6	1	30	1	313	14.4	85	1	2	1	20	1
CL 6+50 2+00S	1.7	6510	1	4	51	1.1	2	69970	.1	4	15	9450	280	2	60800	1001	1	550	1	1260	1	1	36	1	193	14.2	108	1	2	1	21	3
CL 6+50 2+25S	1.1	5110	9	5	36	.4	3	55870	1.2	3	13	8690	290	2	23130	847	1	350	9	1170	17	1	22	1	162	15.5	104	2	1	1	16	4

COMP: EQUITY ENGRG./PRIME EQUITIES
PROJ: SCUD RIVER P.O. KGGPL
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0284-SJ3+4
DATE: 91/08/12
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
CL 6+50 2+50S	1.8	4350	1	11	34	.9	1	90510	.1	4	15	7780	190	4	82770	529	1	450	4	1270	1	1	45	1	80	17.0	110	1	2	1	28	2
CL 6+50 2+75S	1.6	12280	1	6	30	1.8	3	64470	3.1	4	14	10570	160	4	41570	968	1	510	4	900	11	1	33	1	216	10.9	162	1	5	1	18	3
CL 6+50 3+00S	.9	11130	34	6	94	.7	2	29750	.1	11	45	25370	390	6	14140	740	2	300	18	1290	19	1	24	1	113	43.3	109	3	1	2	29	1
CL 6+50 3+25S	1.2	20700	15	5	143	.1	4	11380	2.6	20	106	44620	560	16	8860	787	11	260	81	790	20	1	17	1	594	132.3	414	1	1	4	51	1
CL 6+50 3+50S	1.6	5770	1	6	26	1.1	2	66120	.1	3	14	8260	320	2	45320	345	1	360	4	1730	5	1	42	1	118	13.9	132	1	1	1	26	1
CL 6+50 3+75S	1.8	2960	1	2	25	.8	1	79700	.1	3	10	5950	110	1	74560	373	1	260	1	1060	1	1	37	1	59	13.6	93	1	1	1	20	6
CL 6+50 4+00S	1.0	11320	23	2	55	.7	3	26540	.1	8	24	21790	260	7	18990	776	1	440	18	1000	18	1	21	1	271	40.5	158	3	1	2	28	17
CL 6+50 4+25S	1.3	11010	21	2	49	1.2	3	49070	.1	5	8	17640	220	5	27520	914	1	470	12	690	19	2	27	1	288	36.3	148	2	1	2	22	2
CL 6+50 4+50S	1.2	8180	13	1	38	1.1	4	58910	.1	3	10	10880	190	2	25960	524	1	550	3	870	21	1	25	1	282	14.8	149	3	1	1	15	6
CL 6+50 4+75S	1.2	15630	12	1	22	1.9	5	23300	.1	4	14	14210	570	3	6460	527	1	1200	3	720	21	2	12	2	681	11.2	79	3	2	1	11	1
CL 6+50 5+00S	1.6	1680	1	3	13	.6	1	69210	.1	3	10	4860	130	1	51270	336	1	390	5	1040	1	1	32	1	43	10.3	178	1	1	1	16	4
CL 6+50 5+25S	.4	19530	11	2	137	.1	5	5440	.1	12	111	46060	370	10	6210	419	4	290	25	1060	20	1	11	1	854	55.0	164	1	1	2	25	3
CL 6+50 5+50S	.7	2240	6	1	12	.1	1	14060	.1	1	9	3470	190	1	2170	27	2	700	1	590	7	1	9	1	165	4.0	43	1	1	1	4	2
CL 6+50 5+75S	1.1	19270	14	1	44	2.4	6	24280	.1	6	10	18440	630	5	10800	1871	1	1200	9	1080	22	2	16	1	740	17.0	93	5	2	2	13	2
CL 6+50 6+00S	1.2	17080	11	1	31	2.5	5	39710	.2	6	11	15270	360	3	22090	1946	1	840	12	970	20	1	20	1	439	12.8	234	4	2	1	17	1
CL 6+50 6+25S	1.9	15760	1	1	56	.5	6	67260	.1	14	29	26530	710	27	73530	859	1	730	21	480	1	1	39	1	1100	68.1	113	1	2	1	50	1
CL 6+50 6+50S	1.7	11130	1	2	72	1.8	4	63690	4.2	7	28	15860	300	3	45680	3439	1	470	11	3590	18	1	34	1	192	17.1	350	1	2	1	18	1
CL 6+50 6+75S	.8	18420	45	2	125	1.5	4	20840	.1	9	50	27060	830	11	12260	1424	2	660	26	2750	35	1	24	1	484	47.6	330	4	1	2	41	19
CL 6+50 7+00S	.8	17840	14	1	65	2.1	4	15780	.1	5	19	17620	520	4	2950	1357	1	890	10	2950	20	3	24	1	487	15.4	283	3	1	1	14	2
6+00W 4+00N	.2	9900	50	4	36	.1	1	1850	.1	8	77	62370	370	4	3350	112	116	370	88	5200	15	7	12	1	182	126.1	132	1	1	2	15	15
6+00W 3+75N	.5	14290	54	2	40	.2	1	1340	.1	10	115	43140	240	6	3840	321	98	670	213	1080	16	19	6	1	65	107.9	212	1	1	2	19	28
6+00W 3+50N	1.0	6280	55	1	18	.1	2	630	.1	5	46	33910	310	4	4780	51	66	390	76	4540	15	11	11	1	197	281.9	133	2	1	4	18	3
6+00W 3+25N	2.0	15060	4	1	8	.1	6	3910	.1	6	91	32080	260	4	3030	138	4	550	5	1290	14	1	12	1	1066	21.9	48	2	2	1	21	9
6+00W 3+00N	1.6	13510	21	4	20	.1	8	65000	.1	15	245	43900	310	10	8030	642	4	460	33	1060	17	1	151	1	1721	34.9	117	3	2	3	31	1
6+00W 2+75N	1.3	15520	17	2	17	.1	9	47670	.1	16	145	46830	370	16	13230	537	6	520	38	880	16	1	120	1	1723	38.9	123	4	1	3	44	4
6+00W 2+50N	2.4	13060	33	7	20	.1	5	69990	.1	14	642	39870	90	1	1270	412	5	570	38	1440	11	1	239	1	908	30.4	105	2	1	2	26	8
6+00W 2+25N	.5	5490	13	3	14	.4	2	39250	.1	8	91	25650	190	5	4300	336	5	360	24	720	11	1	114	1	249	10.9	81	1	1	1	12	2
6+00W 2+00N	.3	22300	23	1	44	.4	4	12680	.1	16	296	41380	200	5	3780	1427	1	330	27	1030	21	1	35	1	535	31.1	97	1	1	2	25	1
6+00W 1+75N	.2	6230	82	2	38	.1	1	10010	.1	11	168	59350	470	3	3560	832	1	510	1	990	31	1	22	1	118	44.9	172	1	1	1	9	3
6+00W 1+50N	2.6	25880	43	2	77	1.1	5	19750	.1	13	422	39150	550	18	14810	1774	3	520	78	2230	50	1	39	1	538	105.5	192	4	1	4	66	6
6+00W 1+25N	.6	12400	39	9	34	1.1	2	15610	.1	9	199	40970	1060	17	12330	441	7	260	20	510	27	1	36	1	52	20.6	209	3	1	1	18	3
6+00W 1+00N	4.7	28570	36	9	58	.7	4	9030	.1	55	753	54790	740	10	5950	3191	27	300	41	4170	66	3	22	1	210	37.1	362	1	1	2	43	1
6+00W 0+75N	2.6	9470	39	6	40	.2	2	5080	.1	8	445	47700	1040	6	4330	337	10	440	3	1830	67	3	11	1	133	52.1	169	1	1	2	22	2
6+00W 0+50N	.8	2440	16	7	35	.2	2	29800	.9	5	134	13920	510	2	3280	429	1	560	10	1750	19	1	40	1	63	11.4	169	2	1	1	9	3
6+00W 0+25N	.9	1900	15	5	36	.1	1	41990	.1	3	25	10030	460	1	1860	250	1	320	8	1140	11	1	50	1	42	7.6	114	2	1	1	8	2
6+00W 0+25S	.4	6880	9	3	43	.8	1	26260	.5	6	19	21670	400	2	1060	920	1	480	7	1580	14	1	37	1	90	10.5	91	1	1	1	8	1
6+00W 0+50S	.8	2780	30	7	37	.1	2	74880	.1	9	26	20970	830	2	5910	197	1	240	26	1390	16	3	94	1	41	12.7	124	4	1	1	12	4
6+00W 0+75S	1.5	2860	36	3	34	.1	3	118290	.1	9	21	22160	890	3	5820	125	2	40	25	1080	12	4	131	1	23	13.3	82	7	1	1	13	2
6+00W 1+00S	1.1	2930	42	3	33	.2	3	90660	.1	11	30	29040	870	4	4960	134	2	40	28	1540	12	4	122	1	27	15.0	92	6	1	1	13	1
6+00W 1+25S	.9	3970	36	3	39	.1	1	71970	.1	13	31	32970	1060	6	3740	138	1	40	35	1740	13	3	94	1	19	16.9	105	4	1	1	12	2
6+00W 1+50S	.9	3990	22	5	82	.4	2	59310	.6	6	31	14320	600	2	10070	382	3	380	26	1580	18	3	36	1	92	21.1	197	4	1	2	31	1
6+00W 1+75S	.9	11500	9	2	24	1.6	3	35290	.1	3	14	10970	350	1	5600	145	1	700	3	780	15	1	21	1	410	9.8	71	4	1	1	12	5
6+00W 2+00S	1.5	4490	10	4	50	.9	2	66550	.1	5	27	10850	500	2	49950	377	1	240	8	1460	21	2	32	1	133	22.0	161	1	2	1	21	2

COMP: EQUITY ENGRG./PRIME EQUITIES
PROJ: SCUD RIVER P.O. KGGPL
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0285-SJ1
DATE: 91/08/12
• SILTS • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
91BK-01	1.2	7100	1	8	60	.8	3	61450	.1	7	43	18050	380	8	49360	372	1	370	16	510	5	1	29	1	441	41.0	94	1	2	1	30	1
91BK-02	.2	11900	15	6	30	.4	3	10170	.1	7	32	25100	280	25	11580	502	2	50	16	900	21	1	15	2	325	32.0	66	3	1	2	30	2
91MD-01	2.5	12460	30	7	341	.1	7	30080	2.3	19	133	45810	1260	10	14610	630	25	400	84	2450	18	3	61	2	1249	90.1	381	3	1	3	35	3
91MD-02	2.1	19240	12	6	202	.1	11	12510	2.1	28	173	55210	1230	15	13450	1124	16	590	115	2290	21	1	50	1	2145	95.4	478	1	2	3	43	2
91MD-03	1.7	16910	14	7	159	.1	11	10810	.1	22	136	53470	1230	16	14040	829	19	400	96	1880	15	1	34	1	2311	108.2	416	1	1	3	44	4
91RF-01	1.6	12780	48	10	162	1.1	3	24590	5.6	11	1658	30130	1250	8	9610	1013	3	600	36	1960	171	12	45	1	434	53.0	1090	3	1	4	63	1
91RF-02	2.6	14800	22	7	369	.7	3	14070	6.6	17	140	39560	2140	11	10530	855	29	390	105	3020	29	4	47	2	198	125.6	489	3	1	4	51	2
91RF-03	2.4	17680	35	7	468	.3	6	10740	8.9	25	185	52750	1750	16	12680	976	28	440	136	2600	29	4	37	2	570	111.9	665	2	1	4	55	3
91RF-04	2.8	12580	30	5	216	.1	8	26190	3.3	18	162	43010	1010	10	9590	628	23	320	107	2560	14	3	77	2	1626	108.6	431	2	2	3	44	1
91RF-05	.7	11880	27	6	281	.3	4	12600	.1	12	621	28610	1190	8	4670	1183	19	440	36	1170	30	1	42	1	549	46.2	635	2	1	2	24	4

COMP: EQUITY ENGRG./PRIME EQUITIES
PROJ: SCUD RIVER P.O. KGGPL
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0285-RJ1
DATE: 91/08/
* ROCK * (ACT:F3

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
52507	1.1	6590	89	16	58	.1	4	119040	.1	16	34	40880	610	48	2960	664	7	50	33	490	16	12	41	1	25	103.6	80	6	1	7	123	8
52508	1.0	9840	48	11	1128	.4	2	24950	.1	6	69	16220	3210	8	1740	136	51	430	34	6170	10	4	81	1	89	131.5	110	2	1	11	259	5
52509	.1	4770	12	7	154	.1	1	32300	.1	10	32	37510	2350	4	4260	552	4	40	20	790	44	1	25	1	42	16.9	104	1	1	3	88	2
52510	.1	260	125	7	19	.1	1	62280	.1	21	51	70020	180	1	560	106	1	20	20	120	8	1	26	1	9	4.6	21	1	1	6	173	29
52511	.6	2810	19	5	29	.1	2	6810	.1	4	195	23190	1400	3	3350	223	45	60	1	110	11	1	4	1	205	15.3	85	1	1	6	155	14
52512	2.6	310	48	4	8	.1	6	260270	.1	3	17	4710	180	1	2460	84	2	490	2	160	19	8	69	1	25	7.6	11	13	1	3	24	2
52513	1.8	25030	1	8	37	.1	20	25080	.1	27	31	54100	1880	14	20820	872	1	1510	18	1210	5	1	33	1	4526	198.4	62	2	4	7	94	9
52514	2.5	670	45	3	22	.1	6	250790	.5	3	5	4880	190	1	2200	92	2	50	3	170	15	8	73	1	104	10.0	10	13	1	2	18	6
52515	2.6	150	47	3	6	.1	7	261460	1.2	2	4	3760	110	1	1790	104	1	20	3	150	15	8	60	1	22	6.4	9	13	1	2	16	2
52516	2.6	230	42	2	7	.1	6	215110	1.3	2	7	4130	110	1	1630	261	1	10	2	270	33	8	53	1	17	10.7	22	12	1	2	15	4
52517	2.3	190	44	2	5	.1	6	227010	.5	2	6	3910	110	1	5990	105	2	20	3	180	15	8	52	1	20	7.3	17	13	1	2	19	1
52518	.1	6390	36	4	181	.1	1	9350	.1	15	88	48930	1530	3	440	138	1	30	10	560	20	99	15	1	19	31.4	56	1	1	1	13	49
52519	2.5	690	10	3	19	.4	4	179640	.1	3	9	4570	210	1	53360	287	1	20	1	210	14	7	61	1	23	10.0	146	1	1	1	22	7
52520	.3	550	26	1	9	.1	1	12660	.1	1	5	3790	110	1	6240	139	7	30	6	60	8	1	7	1	32	4.7	21	3	1	13	325	2
52521	.2	280	14	1	4	.1	1	5580	.2	1	3	1790	70	1	1160	203	6	20	3	30	5	1	2	1	17	2.5	14	1	1	5	125	5
52522	2.4	140	18	2	7	.2	5	182890	.1	3	6	3460	100	1	53670	378	1	460	1	90	1	4	62	1	6	11.9	12	1	1	1	25	8
52523	1.5	190	1	1	4	.5	1	66920	.1	2	3	2060	80	1	59490	125	1	20	1	40	1	1	31	1	7	7.0	17	1	1	1	43	6
52524	2.1	140	36	2	4	.1	5	152760	.1	2	4	2990	100	1	11280	144	2	290	3	180	15	6	95	1	4	6.4	11	10	1	2	29	10
52525	.1	12040	14	4	674	.2	1	5450	.1	7	46	26170	1440	14	11190	140	12	190	8	330	11	1	5	1	47	23.9	69	4	1	3	71	17
52526	1.7	3410	39	2	139	.1	3	101910	1.8	6	27	12650	800	2	1800	105	3	30	20	680	12	6	21	1	20	31.2	89	7	1	3	42	4
52527	1.7	410	1	2	26	.5	1	69940	.1	2	8	4060	130	1	67380	341	1	510	1	140	1	1	35	1	6	9.8	20	1	1	1	103	3
52528	2.3	350	1	3	6	.6	1	101730	.1	4	8	5990	150	2	111640	994	1	860	1	280	1	1	69	1	7	16.1	31	1	1	1	41	2
52529	.4	1360	20	1	58	.1	1	7430	.1	2	7	5440	500	2	2560	55	7	30	4	90	7	1	10	1	17	6.0	16	3	1	8	214	1
52562	.7	4010	21	3	81	.2	2	24540	.1	5	18	17110	2920	2	1090	531	1	240	1	670	9	1	91	1	37	8.6	15	2	1	1	32	21
52563	.1	11940	14	5	492	.2	1	9020	.1	8	35	37200	4380	15	6030	136	2	80	15	650	19	1	19	1	45	10.1	72	3	1	4	91	1
52564	.2	5770	33	4	149	.2	2	27810	.1	10	35	31650	2530	6	6650	417	4	70	22	1210	23	1	33	1	27	16.0	113	4	1	6	148	4
52565	.9	10110	14	3	583	.1	5	5590	.1	9	29	27120	1740	10	8750	130	5	690	7	330	11	1	11	1	883	22.5	64	4	1	6	146	15
52566	2.7	360	1	3	24	.5	1	102910	.1	3	115	5280	200	1	107400	1125	1	50	1	10	1	2	108	1	15	17.4	21	1	2	1	26	27
52567	1.1	2680	13	1	23	.1	5	8870	.1	3	37	8880	810	2	4630	402	6	130	2	220	11	1	7	1	797	19.7	67	3	1	5	107	5
52568	2.0	2210	38	3	41	.1	5	118200	.1	5	688	21150	960	2	3200	946	3	20	1	320	14	7	57	1	24	18.5	103	9	1	2	18	22
52569	2.5	450	45	7	168	.1	7	249430	.6	3	28	5100	220	3	2090	405	2	350	2	210	20	8	162	1	11	7.5	33	12	1	2	15	4
52612	1.0	5470	9	4	94	.2	4	31720	.1	5	395	15440	2010	5	3580	265	3	220	1	370	8	1	196	1	655	44.0	48	2	1	4	87	2
52613	2.7	580	1	9	6	.6	1	61280	.1	6	5051	22870	80	1	94830	1118	1	20	1	10	1	4	35	1	27	122.5	99	1	2	1	21	26
52614	2.8	500	1	12	6	.6	1	101740	.1	4	3242	9490	60	3	87950	827	1	270	1	40	1	4	60	1	15	64.9	140	1	2	1	20	18
52615	2.5	410	1	12	6	.6	1	115350	.1	5	2413	13080	50	1	102740	1119	1	10	1	100	1	1	63	1	19	82.8	866	1	2	1	19	23
52616	4.2	2130	18	1	127	.1	1	59500	.1	3	3152	8750	1470	1	4020	622	16	190	1	640	11	10	221	1	23	13.8	73	3	1	5	59	8
52617	2.3	1790	10	1	13	.9	2	84150	.1	4	2225	14240	1060	8	35490	1720	1	20	1	140	13	6	254	1	29	130.2	37	3	1	3	34	14
52618	.9	7540	49	1	160	.4	2	4060	.1	4	70	27910	1340	8	6400	67	64	490	22	1210	21	3	10	1	22	63.5	106	3	1	9	232	19

COMP: EQUITY ENGRG./PRIME EQUITIES
PROJ: SCUD RIVER P.O. KGGPL
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0285-RJ3+4
DATE: 91/08/12
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
8115	.1	10750	5	12	407	.3	3	9180	.1	25	601	41400	6330	4	3290	672	6	110	1	2430	11	1	22	1	365	49.1	30	1	1	3	67	26
8116	.1	14920	4	6	1716	.5	3	9300	.1	39	301	37590	4350	5	10290	546	2	120	2	2690	12	1	34	1	261	66.0	23	3	1	2	33	17
8117	1.0	21080	1	6	600	.1	13	14310	.1	22	96	52120	7470	6	17210	441	1	260	1	2180	5	1	58	1	2869	142.0	21	2	2	3	41	10
8118	1.0	23770	1	5	574	.1	14	14030	.1	22	182	53190	11840	7	17870	515	1	250	1	2330	5	1	58	1	3232	131.8	24	2	2	4	37	15
8119	1.3	26970	1	5	622	.1	16	14130	.1	21	140	53000	12330	8	16770	447	1	420	1	2040	2	1	67	1	3654	151.6	22	2	3	5	58	8
8120	.5	27040	1	6	831	.2	9	8550	.1	38	371	52010	12040	10	18480	572	2	470	1	1940	11	1	30	1	1832	123.4	29	3	2	4	54	21
8121	1.0	22760	11	4	1488	.3	8	12610	.1	33	379	36670	14340	5	14640	378	2	340	1	1880	10	1	41	1	1515	75.6	21	4	2	3	41	22
8122	1.8	23940	1	4	424	.1	19	14250	.1	34	236	48440	9740	10	19180	575	1	2110	6	1490	5	1	69	1	4341	117.2	58	3	4	6	90	1
8123	1.8	20960	1	2	291	.1	16	14350	.1	22	95	42300	7990	7	16470	535	1	2530	4	1310	4	1	81	1	3959	102.6	52	4	3	5	71	8
8124	1.8	26940	1	3	446	.1	17	16760	.1	23	135	42980	14350	9	18940	378	1	590	1	1990	1	1	99	1	3969	162.0	23	3	3	6	88	4
8125	1.7	21150	2	2	314	.1	16	15070	.1	27	245	38100	10510	6	15590	299	4	260	1	1930	1	1	79	1	3554	132.4	17	3	3	4	38	17
8126	1.8	23430	1	2	289	.1	16	16020	.1	19	119	36410	11090	7	17850	357	1	370	1	1990	1	1	84	1	3756	154.0	19	3	3	5	59	10
8127	1.8	21340	1	3	236	.1	17	16500	.1	18	63	34790	9760	6	15730	316	1	310	1	2020	3	1	83	1	3970	147.7	16	3	3	4	41	7
8128	1.7	19700	2	2	82	.1	14	14060	.1	19	181	26970	3070	7	19270	394	1	340	1	2050	3	1	67	1	3171	127.0	25	3	3	4	51	10
8129	1.7	22300	1	2	321	.1	15	14210	.1	24	212	36860	9090	7	18160	406	1	300	1	2040	5	1	79	1	3318	134.9	21	3	3	4	45	12
8130	1.5	24280	1	3	531	.1	14	12460	.1	30	240	45880	11500	9	21410	530	1	230	1	2100	6	1	60	1	3471	147.0	42	2	3	4	43	19
8131	1.3	23920	1	3	472	.1	16	13690	.1	25	150	49070	9990	8	19050	518	1	460	1	1850	4	1	80	1	3455	130.1	33	3	3	5	68	18
8132	1.6	22340	1	2	364	.1	15	15010	.1	17	89	38900	12060	6	15670	355	1	330	1	2110	6	1	87	1	3470	145.3	29	4	3	4	50	6
8133	1.7	25600	1	2	331	.1	17	13990	.1	22	78	44590	9320	8	22440	604	1	640	1	1960	3	1	76	1	3813	143.8	37	2	3	5	60	3
8134	1.8	24920	1	2	344	.1	16	15900	.1	19	86	42110	9170	6	18860	536	1	320	1	1960	3	1	125	1	3720	148.8	27	4	3	4	42	2
8135	1.6	24090	1	2	415	.1	16	13560	.1	23	105	43500	8580	7	20700	628	1	310	1	2060	4	1	69	1	3820	161.7	33	3	3	5	65	5
8136	.7	30970	1	4	443	.1	11	10570	.1	32	104	56860	6290	10	28650	1013	1	210	1	2420	1	1	33	1	2630	163.7	50	1	2	3	39	8
8137	.7	24330	1	3	251	.1	9	9000	.1	19	100	41200	5410	8	20630	790	1	180	1	2180	6	1	24	1	2058	103.7	39	4	2	3	42	11
8138	.9	26170	6	2	213	.2	8	11630	.1	18	61	30630	5650	7	21480	787	2	430	1	2090	7	1	58	1	1839	126.5	39	4	2	5	78	6
8139	1.8	25770	1	2	260	.1	15	17660	.1	20	133	40390	8770	6	18730	549	1	430	1	1890	5	1	128	1	3452	162.5	29	4	3	5	67	9
8140	1.6	22180	1	3	308	.1	15	18810	.1	13	104	40140	10890	5	14920	371	1	390	1	1960	4	1	90	1	3444	155.9	19	3	3	5	49	14
8141	1.4	25040	1	2	441	.1	15	15530	.1	18	69	48210	15730	7	17870	376	1	470	1	1940	3	1	88	1	3553	159.9	23	3	3	5	71	18
8142	1.2	22340	1	2	333	.1	14	13810	.1	19	80	41300	13210	7	18170	338	1	330	1	1900	1	1	75	1	3107	131.0	24	3	3	5	54	10
8143	1.2	21510	3	2	422	.1	15	12090	.1	20	146	41920	15150	7	17580	341	1	410	1	1930	8	1	52	1	3037	139.5	23	3	3	5	64	16
8144	.9	20680	1	2	317	.1	11	11490	.1	27	181	41360	11750	7	18770	373	3	370	1	1940	4	1	46	1	2479	123.5	26	2	2	5	70	12
8145	1.3	19800	1	21	292	.1	13	12100	.1	22	112	36570	10100	14	18170	415	2	410	1	1920	13	1	54	1	2835	127.3	32	2	3	5	73	7
8146	1.2	22410	1	11	361	.1	15	14340	.1	20	135	46100	14670	7	16520	369	1	410	1	1890	7	1	84	1	3345	152.8	22	2	3	5	68	23
8147	.3	14790	9	8	318	.1	4	20850	.1	23	223	35070	7480	7	13030	177	6	360	1	2050	8	1	42	1	387	69.2	14	3	1	4	76	18
8148	.5	17490	6	6	605	.4	4	22930	.1	24	293	28890	7100	6	15340	203	2	290	1	2170	10	1	37	1	489	78.7	15	4	1	3	52	5
8149	.9	19710	6	14	432	.1	8	20370	.1	28	413	34960	8570	6	16510	185	6	370	1	1970	5	1	31	1	1736	96.7	14	3	1	4	72	21
8150	.6	16730	1	5	284	.1	10	15410	.1	35	274	44490	6980	6	15190	180	2	350	1	2020	7	1	25	1	2021	98.5	14	3	2	5	68	27
8151	1.1	16670	1	4	202	.1	12	12130	.1	55	684	43290	6440	6	16160	149	7	330	1	2230	3	1	22	1	2882	105.3	14	1	3	4	57	30
8152	1.2	14970	1	4	224	.1	12	15730	.1	37	581	34960	7030	5	13630	161	49	270	1	2040	4	1	37	1	2665	97.0	12	2	2	4	42	19
8153	1.1	19430	1	5	308	.1	14	15520	.1	41	536	42040	10190	6	15470	170	8	330	1	2070	5	1	66	1	3021	100.5	14	2	2	4	70	6
8154	.9	21880	1	6	493	.1	15	15660	.1	14	52	55390	14510	7	13520	184	1	300	1	2320	2	1	83	1	3364	153.2	13	2	2	5	63	2
8155	.5	18370	1	4	374	.1	13	13940	.1	15	26	54170	12570	6	12740	156	1	250	1	2210	5	1	63	1	2959	133.0	12	1	2	4	43	1
8156	.9	20790	1	4	375	.1	14	15680	.1	15	40	55590	12370	7	13240	159	1	260	1	2290	5	1	92	1	3191	151.7	12	2	3	5	52	4
8157	1.2	24770	1	4	420	.1	16	14550	.1	23	231	53230	13090	8	18940	212	1	290	1	2310	8	1	103	1	3590	147.3	16	2	2	4	50	9
8158	1.3	26790	1	4	439	.1	17	14120	.1	28	273	50420	14110	9	22660	254	1	260	1	2330	1	1	72	1	3871	153.2	19	1	3	5	58	7
8159	1.1	24500	1	4	365	.1	17	15290	.1	34	373	54450	12300	8	19130	235	2	310	1	2180	3	1	76	1	3663	145.3	17	1	3	5	83	8
8160	1.0	22710	1	3	336	.1	15	12270	.1	30	310	51410	10900	8	21830	300	1	200	1	2220	7	1	51	1	3501	127.6	21	1	2	3	38	18
8161	1.1	21500	1	3	290	.1	15	12710	.1	33	393	53170	10940	7	19700	252	2	230	1	2150	5	1	62	1	3437	132.0	19	1	3	4	49	6
8162	1.1	21540	1	3	342	.1	15	12590	.1	26	229	46060	12570	7	18040	236	1	250	1	2270	3	1	55	1	3441	125.7	19	2	3	4	47	10
8163	1.0	18740	1	3	238	.1	12	13750	.1	36	514	52380	11180	6	17500	216	2	210	1	2180	6	1	54	1	2799	96.0	17	1	2	4	45	17
8164	.9	17650	1	3	283	.1	14	10110	.1	23	52	39550	11930	5	14240	121	3	420	1	2030	7	1	23	1	2892	98.3	12	3	3	5	80	12
8165	1.3	11870	3	1	79	.1	10	11130	.1	10	116	17630	1840	4	9540	318	1	320	2	1110	8	1	61	1	2131	61.5	19	3	2	4	60	4
8166	1.4	12180	3	1	53	.1	10	15560	.1	9	265	16390	1610	2	6980	283	1	240	2	1460	7	1	115	1	1879	75.4	15	3	1	4	53	23
8167	1.2	24720	1	2	168	.1	12	21050	.1	20	97	36690	3040	7	21900	701	1	240	12	1140	4	1	115	1	2647	100.0	37	2	2	5	86	8
8168	1.6	17720	1	2	37	.1	14	19550	.1	9	38	23440	880	3	10760	362	1	520	1	1420	7	1	147	1	2913	79.9	19	4	2	5	79	3

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER,P.O.KGGPL
ATTN: J.FOSTER/ H.AWMACK

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0361-RJ
DATE: 91/08/1
* ROCK * (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
52619	19.9	1190	184	19	6	.1	1	72740	22.6	12	5411	81300	1490	17	17040	4542	11	10	1	590	1923	14	176	1	36	41.9	2794	1	1	3	38	635

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER P.O. KGGPL;MIN-EN
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0362-SJ1+2
DATE: 91/08/17
* SOIL * (ACT:F31)

SAMPLE NUMBER		AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
5+00W	4+00N	.3	6010	36	3	34	.3	2	20140	.1	16	117	29150	390	8	7470	425	101	1370	277	800	22	2	46	1	67	73.9	201	2	1	2	18	4
5+00W	3+75N	.3	5710	6	1	36	.1	2	860	.1	2	12	8900	440	1	1200	17	9	410	8	620	8	1	4	1	295	136.0	10	1	1	2	14	2
5+00W	3+50N	.1	13520	13	1	14	.1	2	1880	.1	11	30	40270	290	11	5580	289	5	690	33	1610	20	1	6	1	154	20.7	123	2	1	1	27	3
5+00W	3+25N	.1	22680	1	1	13	.1	1	2730	.1	14	63	71430	380	13	6060	136	8	1100	13	1200	21	1	5	1	346	34.9	142	1	1	1	28	8
5+00W	3+00N	.2	13340	8	1	18	.1	4	7520	.1	6	29	30570	490	6	3770	188	3	1910	6	580	27	1	17	1	1179	76.5	51	2	1	2	41	11
5+00W	2+75N	.1	6850	179	1	7	.1	1	1320	.1	6	25	46310	390	3	2750	1203	9	1390	1	1850	1059	2	4	1	378	45.2	188	1	1	1	21	109
5+00W	2+50N	.2	9830	36	1	12	.1	5	3290	.1	8	19	49760	270	3	3630	132	1	840	1	1030	54	1	7	1	1389	114.7	37	1	1	4	59	4
5+00W	2+25N	.2	13190	41	1	19	.1	5	440	.1	9	54	61050	480	1	150	153	7	40	1	2900	36	1	6	1	1349	71.0	24	2	1	1	17	3
5+00W	2+00N	1.1	2450	5	1	13	.1	10	2650	.1	9	39	26010	470	1	460	400	50	70	1	870	34	1	7	1	2636	68.1	42	1	1	1	2	19
5+00W	1+25N	1.0	15980	36	1	126	.1	6	12850	.1	12	169	38020	440	9	7100	9107	11	920	27	3760	174	1	20	1	318	56.4	524	1	1	3	32	12
5+00W	0+75N	.1	10950	119	1	35	.1	1	1480	.1	7	365	37770	680	6	4000	809	15	2850	1	1370	82	1	4	1	97	23.9	117	1	1	1	3	46
5+00W	0+50N	5.9	18080	180	2	104	.1	1	4870	.1	20	5305	79790	3280	23	19680	7695	27	860	1	1620	308	14	10	1	978	142.8	552	1	1	3	6	214
5+00W	0+25N	.1	11280	18	1	38	.1	1	3710	.1	8	416	45790	900	4	5000	584	5	900	1	760	49	1	5	1	282	73.4	88	2	1	2	25	54
5+00W	0+25S	.4	7220	28	1	49	.4	1	12860	.5	8	738	25130	530	5	4530	1301	1	110	10	940	19	1	12	1	163	34.6	250	1	1	1	10	2
5+00W	0+50S	.5	4000	34	1	48	.1	1	66050	.1	10	75	26740	980	3	3360	256	1	60	23	1410	12	1	78	1	49	16.2	137	1	1	1	11	1
5+00W	0+75S	.4	1530	11	1	21	.1	1	28600	1.2	4	64	11570	310	1	1500	249	1	1510	9	980	12	1	35	1	37	8.7	138	1	1	1	7	1
5+00W	1+00S	3.2	1090	6	1	27	.1	1	16450	.1	2	23	3450	150	1	340	56	3	3060	4	450	19	1	18	1	50	4.1	64	1	1	1	4	2
5+00W	1+25S	.4	3900	10	1	48	.3	1	28500	.1	5	22	13890	370	1	800	184	1	130	11	1280	7	1	33	1	90	8.9	70	1	1	1	7	1
5+00W	2+00S	.8	5460	35	1	96	.2	2	69710	.1	12	56	26520	800	5	8650	325	2	800	42	2130	16	4	57	1	95	30.1	158	4	1	1	22	13
4+00W	3+50N	4.4	11030	35	3	46	.1	5	19670	.1	19	483	50720	470	5	3650	5456	3	3390	5	3280	323	1	32	1	634	60.0	499	1	1	2	11	69
4+00W	3+25N	3.2	20970	22	4	39	.7	5	11360	.1	14	506	46250	310	6	2610	1931	11	50	1	1140	229	1	15	1	1036	69.5	170	1	1	2	11	116
4+00W	2+75N	2.6	14670	42	1	27	.1	6	5730	.1	7	187	37380	230	5	2240	294	24	1100	1	560	79	1	8	1	1664	59.3	219	1	1	1	13	66
4+00W	2+50N	2.3	13630	23	3	53	.1	4	18950	.1	15	1844	45980	230	4	5800	3697	1	80	1	1070	35	1	14	1	526	41.0	369	1	1	2	11	100
4+00W	2+25N	.4	2430	3	1	11	.1	4	4830	.1	2	10	5400	230	1	490	99	2	1340	1	200	24	1	4	1	790	20.6	10	1	1	1	7	5
4+00W	2+00N	.4	1950	1	1	10	.1	3	3100	.1	3	20	9180	250	1	800	72	3	1170	1	120	9	1	4	1	792	27.9	22	1	1	1	17	1
4+00W	1+75N	.5	3880	34	1	13	.1	1	1450	.1	3	80	18650	530	1	530	250	15	60	1	750	23	27	4	1	279	38.7	20	2	1	1	6	17
4+00W	1+50N	7.6	11110	17	1	38	.7	3	21310	.1	4	178	13270	560	4	14560	640	3	1640	2	1070	22	1	15	1	444	46.2	174	5	1	2	18	2
4+00W	1+25N	.4	16650	17	1	42	.2	4	7330	.1	8	270	36780	620	6	5790	321	4	90	4	540	38	1	12	1	778	93.1	61	5	1	3	31	8
4+00W	1+00N	1.3	10570	39	1264	24	1.0	4	29670	.1	5	507	15950	370	3	30990	2307	2	1370	4	2140	22	1	27	1	346	29.5	466	1	1	1	18	1
4+00W	0+50N	1.2	14100	22	12	52	.4	4	19700	18.8	11	404	27150	440	7	8670	2149	19	720	15	1670	137	1	21	1	471	49.8	783	3	1	2	28	1
4+00W	0+25N	3.9	28680	1	4	47	.1	6	22230	11.0	25	5516	43890	1110	41	31110	2047	7	60	5	1750	25	1	80	1	2856	102.9	3856	1	2	3	17	4
4+00W	0+25S	.3	540	3	1	11	.1	1	11230	.1	1	43	2100	340	1	610	48	1	5100	1	680	35	1	14	1	28	2.4	112	1	1	1	3	2
4+00W	0+50S	.1	4700	8	1	17	.1	1	7600	.1	6	20	21520	670	5	1470	209	1	770	2	770	14	1	10	1	55	12.5	93	1	1	1	5	1
4+00W	0+75S	2.5	6860	8	1	37	.1	1	7970	.1	6	194	25930	910	4	710	576	2	890	3	580	13	1	13	1	215	34.1	171	1	1	1	6	2
4+00W	1+00S	1.3	14310	84	1	1296	.5	1	7990	.6	11	211	33940	1060	4	1870	299	25	700	40	540	87	2	54	1	98	153.3	336	1	1	2	20	2
4+00W	1+25S	2.2	6820	16	1	78	.1	1	27890	3.4	15	2197	43120	840	3	4870	1432	1	1180	11	970	143	2	42	1	29	46.3	397	1	1	1	10	48
4+00W	1+50S	.6	7500	36	1	58	.1	1	62790	.1	18	53	40170	2070	5	6280	190	2	90	38	1890	17	1	86	1	83	24.7	184	3	1	1	18	34
4+00W	2+50S	.1	3070	3	1	8	.1	1	4070	.1	1	7	4670	220	1	210	55	1	80	1	260	5	1	4	1	182	7.6	43	1	1	1	6	1
4+00W	3+75S	.9	4870	10	1	20	.4	1	38960	.1	3	12	7460	350	1	7010	315	1	1210	3	1350	17	1	21	1	170	10.9	101	4	1	1	10	1
4+00W	4+00S	.4	8580	1	1	26	.1	5	6360	.1	7	27	23100	380	6	1290	260	1	1520	6	430	33	1	12	1	1420	61.0	209	2	1	2	37	2
3+00W	4+00N	.8	16160	8	17	53	.1	6	27700	.1	12	264	51090	480	7	9240	3651	6	1060	1	870	108	1	20	1	1082	232.4	146	4	1	5	19	16
3+00W	3+75N	.1	5450	44	1	29	.1	2	4460	.1	9	70	51640	590	1	470	2540	62	1040	1	5130	57	1	15	1	622	107.7	59	1	1	1	6	19
3+00W	3+50N	1.8	11630	14	1	53	.3	3	11450	.6	7	495	32370	230	7	5360	6729	22	80	16	1420	110	1	9	1	497	54.4	472	1	1	2	27	21
3+00W	3+25N	3.9	14570	67	1	65	.1	4	11730	.1	11	392	47000	690	11	4720	7351	21	40	8	1930	78	1	17	1	667	70.8	441	1	1	2	28	32
3+00W	3+00N	20.9	21550	109	1	263	.1	7	29260	1.8	11	2119	59510	1050	25	11960	22351	9	650	53	1110	93	2	24	1	308	54.1	830	1	1	4	34	181
3+00W	2+75N	1.3	9390	12	1	31	.1	2	3540	.1	10	502	53480	940	2	1520	729	12	1040	1	810	27	1	7	1	990	30.0	32	1	1	1	4	78
3+00W	2+50N	.1	13210	47	1	20	.1	1	9190	.1	11	409	84890	560	6	1460	1929	43	790	1	1340	297	26	7	1	101	42.7	133	1	1	1	6	87
3+00W	2+25N	.4	6130	44	1	25	.1	1	1180	.1	5	178	31770	770	1	160	299	27	1230	1	2990	82	38	11	1	154	20.0	69	2	1	1	2	62
3+00W	2+00N	2.3	22520	15	1	55	.3	5	10120	.1	13	152	34840	940	15	12440	1311	2	1110	52	1110	43	1	20	1	1081	81.0	288	4	1	4	84	18
2+00W	4+00N	.9	19660	10	1	42	1.8	2	20360	.1	6	49	21250	450	9	4500	505	1	910	14	1830	51	1	18	1	533	34.9	236	4	1	1	31	8
2+00W	3+75N	3.0	23000	52	1	115	.6	5	13130	6.0	14	293	36290	1580	11	11310	3984	2	190	61	2390	395	4	28	1	833	79.9	2521	3	1	3	54	26
2+00W	1+25N	.3	29200	1	1	62	.1	12	5540	.1	16	58	83380	720	8	7960	351	1	150	1	620	22	1	24	1	3356	172.1	78	3	1	5	71	2
2+00W	1+00N	1.5	17920	16	1	140	.8	5	22020	6.2	9	246	29110	700	7	1940	5708	5	980	20	2730	77	5	22	1	672	65.1	355	2	1	2	25	2
2+00W	0+75N	.7	20330	13	1	52	.4	4	21860	.1	11	37	28490	540	10	1970	1845	1	1550	13	1550	133	1	20	1	765	72.0	216	3	1	2	30	1
2+00W	0+50N	.2	16220	1	1	31	.1	9	4720	.1	12	85	61920	610	4	5650	266	1	940	4	240	34	1	19	1	2564	107.8	66	4	1	3	48	9
2+00W	0+25N	.2	25830	29	1	68	.1	4	4360	.1	13	431	56900	1180	13	5670	1789	27	110	1	770	115	1	12	1	876	68.2	493	2	1	2	18	25
2+00W	0+25S	.7	15140	45	1	44	.3	3	5740	.1	12	518	53920	820	8	3790	2801	4	110	8	2310	107	5	17	1	430	105.8	422	2	1	2	30	42
2+00W	0+50S	1.7	9890	62	1	49	.5	1	16600	.4	8	780	31370	820	9	3690	2436	5	220	8	2790	73	3	22	1	218	41.1	400	2	1	1	14	19
2+00W	0+75S	.2	10730	13	1	31	.8	1	10520	.1	7	46	22940	660	5	2320	1416	1	830	5	1770	27	1	14	1	332	20.0	182	2	1	1	11	1
2+00W	1+25S	.1	5080	15	1	12	.1	1	12720	.1	7	13	23210	230	11	2800	283	1	260	7	650	29	1	16	1	54	9.6	63	1	1	1	7	1

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER P.O. KGGPL;MIN-EN
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0362-SJ3+4
DATE: 91/08/17
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
2+00W 1+50S	.1	4410	9	4	48	.1	2	5260	.1	5	10	16040	320	3	560	472	1	160	4	710	11	2	8	1	151	9.8	61	1	1	1	6	2
2+00W 1+75S	.1	24530	11	4	41	.1	10	3480	.1	14	110	67520	650	7	4930	484	1	90	1	470	25	1	17	1	1970	109.6	135	3	2	4	44	3
2+00W 2+75S	.3	10910	9	1	31	.4	3	4610	.1	5	113	16120	360	2	560	1215	1	50	15	1550	15	1	21	1	292	21.2	102	1	1	1	17	1
2+00W 3+00S	.1	15270	15	1	43	.1	4	2730	.1	7	17	36710	590	8	2180	119	1	70	13	650	14	1	23	1	795	83.4	101	3	1	3	33	4
2+00W 3+25S	.2	4500	7	1	26	.1	1	5690	.4	6	10	16060	590	3	1020	380	1	70	27	960	11	1	15	1	200	15.7	155	1	1	1	10	2
2+00W 3+50S	.4	13680	4	1	26	.1	7	2470	.1	6	15	23840	480	2	1100	175	1	1400	4	640	25	1	13	1	1479	82.2	68	4	2	2	22	1
2+00W 3+75S	.5	20930	6	1	64	.5	6	8650	.1	12	25	34900	840	8	3050	1911	1	1620	16	1700	43	1	18	1	989	67.6	264	4	1	3	33	8
2+00W 4+00S	.4	18400	1	1	52	.3	7	8780	.1	8	17	27590	740	13	4320	403	1	180	14	1140	15	1	15	1	1259	70.2	185	4	1	3	56	1
2+00W 4+25S	.6	19500	8	1	46	.5	6	10430	.1	11	20	33160	640	11	4290	1042	1	1380	27	1370	36	1	19	1	1246	69.6	275	2	1	5	89	3
2+00W 4+50S	.4	9970	7	1	50	.3	3	11960	.1	5	17	13940	530	7	5290	1029	1	1220	13	1080	25	1	12	1	327	29.8	269	3	1	2	20	2
1+00W 3+75N	1.0	16630	3	1	117	.9	7	27360	2.1	6	16	23340	620	5	9740	8349	1	1500	19	1960	56	1	21	1	591	23.6	211	4	1	2	13	1
1+00W 3+50N	.5	29060	16	1	34	1.6	9	16320	.1	22	24	57870	490	14	7390	794	1	1210	11	1520	200	1	14	3	1656	172.1	365	7	2	3	26	5
1+00W 3+25N	2.5	29180	33	1	60	.5	9	16200	.1	16	64	50070	580	10	10050	2038	1	980	26	2050	516	1	19	1	1609	175.0	506	5	2	5	55	9
1+00W 3+00N	2.1	40340	4	1	38	.2	10	16200	.1	15	32	57700	330	5	1610	529	1	990	1	880	156	1	9	1	1951	103.6	220	4	3	4	71	3
1+00W 2+75N	1.1	19410	26	1	63	.2	6	9160	.1	10	70	37040	1010	8	2970	816	1	130	15	900	137	3	17	1	815	59.8	293	3	1	3	35	2
1+00W 2+50N	.3	40320	1	1	72	2.0	5	12170	.1	7	16	32870	120	4	160	240	1	3310	1	1460	38	1	9	1	445	40.5	88	1	1	2	26	4
1+00W 2+25N	.1	8420	6	1	58	.1	8	5010	.1	9	15	37900	220	3	490	114	1	810	1	320	35	1	4	1	1463	132.9	87	4	2	2	15	2
1+00W 2+00N	.1	23580	1	2	117	.1	3	11640	.1	17	36	98480	360	6	630	927	1	760	1	780	92	1	9	1	586	37.2	163	1	1	1	15	1
1+00W 1+75N	.2	5930	25	1	72	.1	3	920	.1	5	18	20640	420	4	3940	93	8	1420	2	380	27	2	8	1	381	45.1	97	4	1	1	6	5
1+00W 1+25N	8.1	24710	2	1	56	2.1	7	66850	7.3	17	102	38760	250	6	50110	6909	1	1010	55	3570	492	7	41	1	290	131.3	535	1	1	2	42	24
1+00W 1+00N	.2	33950	12	1	68	.1	6	3450	.1	10	57	47000	520	12	5490	429	1	1350	20	670	42	1	10	1	839	78.4	120	3	1	3	54	8
1+00W 0+75N	.3	27400	19	1	73	.1	7	4200	.1	17	56	41300	850	10	4990	3289	1	140	18	1560	60	1	17	1	1137	78.7	216	3	1	3	47	4
1+00W 0+50N	4.1	16390	23	1	86	.8	6	15880	7.5	8	75	26250	780	7	1240	2350	1	2040	17	2910	108	2	21	1	617	63.4	236	2	1	2	21	88
1+00W 0+25N	.6	20480	24	1	54	.1	8	4490	.1	17	52	44820	960	10	7950	1620	2	130	27	460	57	1	21	1	1375	95.1	182	3	1	4	55	2
1+00W 0+25S	1.3	20810	56	1	57	.1	4	3970	.1	14	1021	42460	990	9	4600	1918	15	1070	9	830	53	7	13	1	575	60.6	906	2	1	2	27	64
1+00W 1+00S	.9	14830	24	1	58	.1	4	5350	.1	11	135	30420	1090	7	5410	1298	1	750	16	1010	38	1	15	1	458	41.8	244	3	1	2	23	16
1+00W 1+25S	.7	8770	28	1	69	.3	2	9140	.1	9	19	30870	800	3	930	1959	1	700	15	1410	20	6	14	1	136	19.3	266	1	1	1	12	2
1+00W 1+50S	.1	6380	17	1	91	.2	1	10840	.1	14	55	47080	1720	6	1110	1275	1	1180	1	1670	22	1	25	1	48	14.4	100	1	1	1	2	2
1+00W 1+75S	.1	10620	22	1	39	.1	2	6530	.1	10	40	30350	670	13	5330	545	1	980	3	630	18	1	10	1	51	21.8	101	3	1	1	9	12
1+00W 2+00S	.1	22940	14	1	30	.1	6	2940	.1	13	154	57810	750	9	7020	355	1	170	24	480	26	1	10	1	1411	82.4	88	3	2	4	72	2
1+00W 2+25S	.1	23050	9	6	30	.1	10	1420	.1	12	59	63790	430	6	4090	220	1	40	1	380	39	1	7	1	1774	147.7	92	4	2	5	49	2
1+00W 2+50S	.2	14870	7	2	35	.1	10	1180	.1	10	44	52070	380	3	2230	206	1	1160	1	500	42	1	6	1	2167	160.2	59	4	2	4	37	3
1+00W 2+75S	.5	7870	8	1	20	.1	6	1420	.1	5	24	20590	530	3	800	126	1	1450	1	480	41	1	6	1	989	35.6	50	3	2	1	11	1
1+00W 3+25S	.4	15750	4	1	31	.1	5	1610	.1	6	65	23100	470	6	2330	215	1	850	1	500	38	1	9	1	835	40.0	68	2	1	2	19	2
1+00W 3+50S	1.3	7270	1	1	14	.1	13	2680	.1	9	14	27400	330	3	940	226	1	1160	1	470	27	1	6	1	2859	84.1	61	4	3	2	15	2
1+00W 3+75S	.6	11470	5	1	30	.4	4	14690	.1	7	17	21980	480	6	2970	441	1	130	17	1310	24	1	18	1	577	33.0	119	3	1	2	21	1
1+00W 4+00S	.2	6640	5	1	25	.1	3	6880	.1	5	9	18870	210	3	790	221	1	1640	5	1120	26	1	9	1	544	29.8	98	1	1	1	15	1
1+00W 4+75S	.4	8170	4	1	17	.3	3	6760	.1	5	7	16450	220	4	1110	203	1	790	7	1180	21	1	9	1	314	25.5	107	1	1	1	18	4
1+00W 5+00S	.5	13930	14	1	42	.3	2	5700	.1	6	44	10710	280	5	1810	497	1	20	36	670	43	2	13	1	122	16.6	142	1	1	1	21	2
0+00W 4+00N	2.8	4670	1	1	67	.6	4	87890	.3	5	24	13390	120	2	96060	4286	1	1080	23	880	80	3	59	1	64	28.5	464	1	2	1	24	1
0+00W 3+75N	1.2	20790	5	1	41	1.8	8	11120	.1	6	10	22630	750	8	2370	603	1	1510	1	790	62	1	11	2	1273	33.2	111	6	2	1	15	1
0+00W 3+50N	1.4	22380	21	2	133	.3	7	24620	15.3	18	30	40460	700	8	2390	7270	1	960	37	2980	82	5	24	1	504	45.8	369	2	1	2	27	3
0+00W 3+25N	1.1	20060	6	1	73	1.0	6	15980	.1	8	15	28540	590	10	1230	697	1	1510	6	1060	36	4	16	1	1148	62.2	131	5	2	2	29	2
0+00W 2+75N	2.1	4120	1	1	44	.8	3	77310	.1	4	13	10000	190	2	74580	3130	1	6450	6	1540	65	1	37	1	82	21.1	488	1	1	1	22	1
0+00W 2+50N	2.1	4080	1	1	27	.9	3	82070	.1	3	12	8860	120	5	86680	2956	1	1380	1	600	17	1	33	1	69	13.7	155	1	1	1	19	2
0+00W 2+25N	2.0	4600	1	1	40	.8	3	71880	.1	5	24	10290	170	2	58690	1945	1	1000	8	1280	61	2	28	1	104	17.8	344	1	2	1	21	2
0+00W 2+00S	.4	26610	13	1	37	.2	8	3770	.1	20	62	46480	540	15	5210	693	1	1090	25	810	29	1	11	1	1330	78.1	170	4	2	3	46	1
0+00W 2+25S	.1	27050	20	1	48	.1	7	4280	.1	17	243	42360	780	11	7880	948	1	1100	38	560	64	1	13	1	1056	60.0	141	2	1	3	52	24
0+00W 2+50S	.3	25110	4	1	46	.1	8	2090	.1	11	133	37210	580	7	4070	358	1	60	7	520	23	1	11	1	1410	75.6	70	3	2	3	39	1
0+00W 2+75S	.1	31900	12	1	57	.1	7	3830	.1	14	236	49480	1280	11	6370	645	1	100	15	690	57	1	16	1	1097	64.3	94	2	2	3	43	3
0+00W 3+00S	.5	10220	13	1	28	.1	7	6640	.1	10	85	25720	700	8	5160	492	1	90	31	1350	40	1	18	1	896	37.6	142	3	1	2	25	2
0+00W 3+25S	.3	21120	10	1	31	.2	6	3330	.1	12	59	29120	380	10	5250	606	1	900	23	580	42	1	11	1	770	48.9	126	3	1	2	34	1
0+00W 3+75S	1.1	9420	9	1	35	1.0	4	27850	.1	4	11	12920	350	2	12910	481	1	1230	9	1220	27	1	21	2	302	19.8	128	5	1	2	19	1
0+00W 4+75S	.9	3110	3	1	18	.1	7	1320	.1	5	15	15840	300	2	490	136	4	1180	4	370	37	1	6	1	1386	59.9	98	3	2	2	12	3
0+00W 5+00S	1.6	1120	32	1	17	.1	5	90590	.1	7	34	17080	340	2	5290	121	2	920	19	950	29	5	106	1	49	10.6	59	7	1	1	12	2
BL 8+00W	1.9	1050	36	1	26	.1	5	131290	.1	6	22	15730	380	2	5110	136	1	910	16	780	32	6	126	1	38	10.1	56	7	1	1	13	3
BL 7+75W	1.5	1080	33	1	39	.1	6	87010	.1	6	17	15510	300	2	6070	157	2	840	21	830	23	5	105	1	34	9.6	76	7	1	1	13	2
BL 7+50W	.9	1860	26	1	27	.1	4	48720	3.0	10	26	23850	540	2	5110	225	2	910	28	1600	29	3	48	1	41	12.3	270	3	1	1	11	1
BL 7+25W	.9	930	19	1	31	.1	3	36390	.1	4	17	10380	320	1	1960	169	1	990	15	1030	19	3	39	1	20	6.4	103	3	1	1	8	2
BL 6+75W																																

COMP: EQUITY ENGINEERING LTD.
PROJ: SCUD RIVER P.O. KGGPL;MIN-EN
ATTN: H.AWMACK/J.FOSTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0362-SJ5
DATE: 91/08/17
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
BL 6+50W	.6	1470	10	7	22	.1	1	50650	.1	3	31	8590	350	1	1620	203	1	1160	7	1710	12	2	48	1	44	6.8	56	1	1	2	8	16
BL 6+25W	.3	6010	13	2	48	.5	1	27290	.1	5	38	17400	500	1	1340	400	1	920	10	1100	13	1	38	1	149	11.5	75	1	1	1	8	3
BL 6+00W	.2	2630	21	3	36	.2	1	49220	1.0	7	45	19410	780	1	3500	278	1	1120	18	1780	12	1	53	1	41	11.5	130	1	1	1	9	7
BL 5+75W	.4	3220	27	2	47	.2	1	44100	.1	8	56	22580	790	1	3220	274	2	1390	18	1650	14	1	53	1	36	13.7	96	1	1	1	8	2
BL 5+50W	.4	3350	25	1	35	.1	1	54130	.1	9	48	24010	810	1	2600	277	1	1340	19	1400	16	2	61	1	46	13.2	129	1	1	1	9	2
BL 5+25W	.4	3890	25	1	34	.1	1	50800	.4	10	154	26690	860	1	3300	424	1	1170	21	1610	18	2	57	1	54	16.1	190	1	1	1	10	1
BL 5+00W	.9	13420	25	1	410	.7	5	13840	.1	14	1713	50090	970	6	9070	2368	2	1010	10	740	627	4	16	1	301	120.6	334	2	1	3	17	213
BL 4+75W	.1	15350	21	1	159	.6	4	3490	.1	14	616	42090	1130	6	8620	3531	1	850	3	780	51	5	5	1	73	68.8	101	2	1	2	11	52
BL 4+50W	1.6	11250	26	2	70	.4	5	23850	13.0	11	2772	36780	560	3	13820	1738	5	1020	18	680	42	4	20	1	452	97.8	1585	3	1	3	22	40
BL 4+25W	1.8	11640	26	1	74	.1	6	57410	2.5	12	1594	28160	800	4	16110	862	2	1230	55	650	44	3	35	1	1038	61.1	510	4	1	3	45	27
BL 4+00W	.8	8850	10	1	25	.1	5	14660	.1	6	76	32560	250	1	1140	196	3	1120	1	740	20	1	12	1	740	64.9	69	1	1	2	18	19
BL 2+50W	2.8	45830	25	1	35	1.0	7	7630	.1	15	73	43630	260	1	2130	1334	6	1140	1	1280	61	6	10	1	1192	74.5	120	2	2	3	31	18
BL 2+00W	3.7	13660	71	1	66	.5	6	5760	.5	13	2359	50630	1820	12	10300	3288	20	1260	1	1770	333	7	12	1	513	64.7	1118	3	1	2	12	62
BL 1+75W	1.1	17340	63	1	123	.5	5	8050	.1	13	1194	47490	1360	17	8070	2633	51	960	1	640	150	7	17	1	410	99.5	514	4	1	2	11	39
BL 1+00W	.5	27200	47	1	54	.3	7	5600	.1	16	832	46390	940	7	3030	2269	10	1200	10	1060	78	4	12	1	1346	97.7	479	2	1	3	30	33
BL 0+75W	.1	12710	71	1	46	.1	2	2730	.1	30	85	74840	480	1	1030	1073	85	780	58	1580	53	1	6	1	640	94.1	185	1	1	1	19	7
BL 0+50W	.1	24780	23	1	75	.1	9	5370	.1	12	92	55070	1020	8	9660	380	1	1170	22	460	57	1	24	1	1846	97.6	115	2	1	4	70	26
BL 0+25W	2.3	5610	1	1	21	1.0	1	92040	.1	4	18	12750	140	1	105610	2376	1	1190	3	810	63	1	43	1	163	21.2	152	1	1	1	23	6

APPENDIX G

STATEMENTS 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.

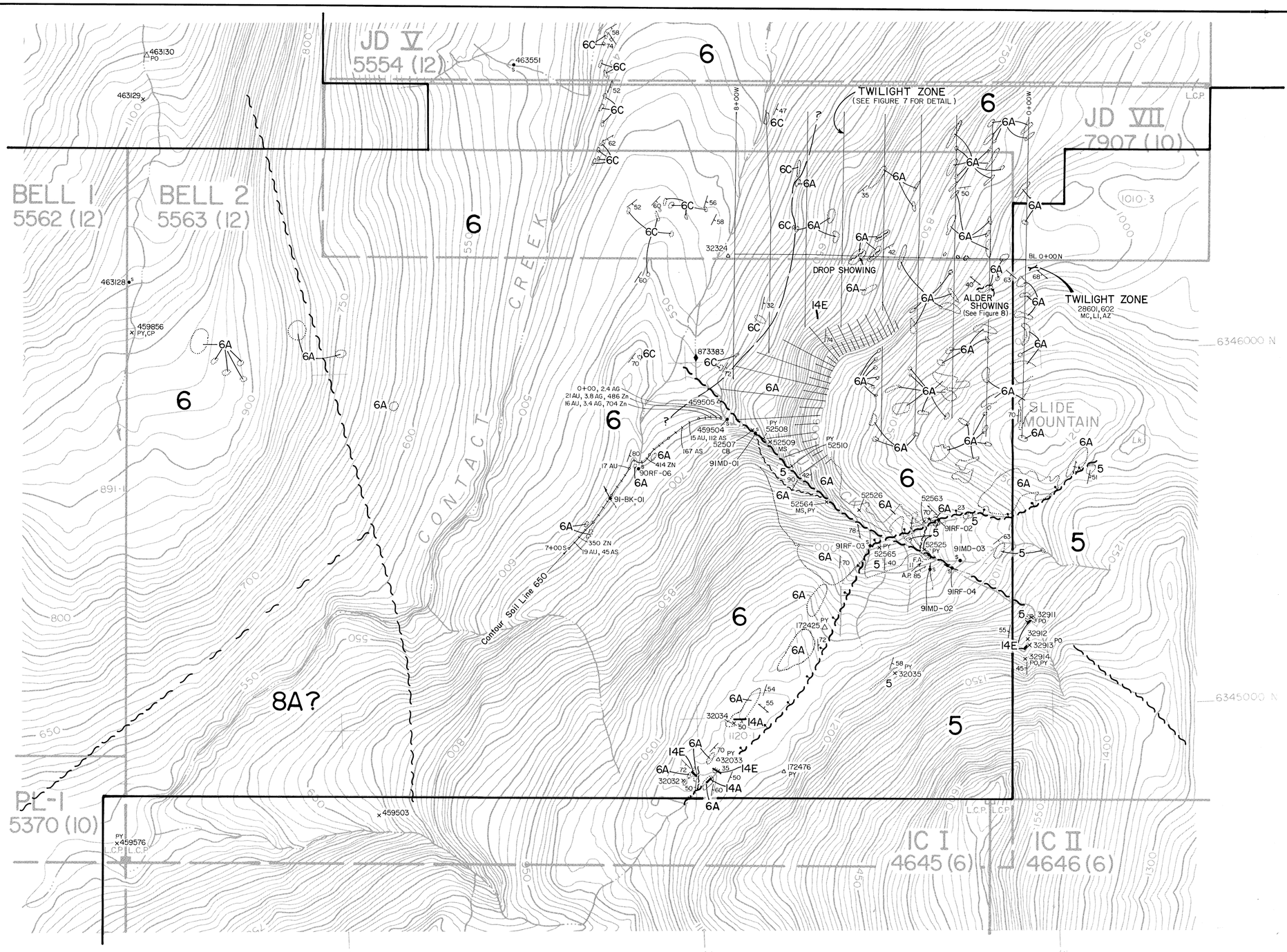
4. THAT this report is based on fieldwork carried out under my direction, and on assessment reports filed with the province of British Columbia.

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 12th day of September, 1991.

Robert Falls

Robert Falls, Geologist



LEGEND

LITHOLOGIES

TERTIARY

Dykes and sills

- 14A Andesite
- 14B Basalt (gabbro).
- 14C Lamprophyre (biotite minette).
- 14D Diorite
- 14E Rhyolite

MIDDLE TRIASSIC TO MIDDLE JURASSIC

Galore Creek Intrusions

- 11 Undivided Galore Creek intrusive rocks.
- 11A Syenite: dominated by orthoclase phenocrysts with a grey or pink groundmass and various proportions of plagioclase, biotite, and orthoclase phenocrysts.
- 11B Orthoclase porphyritic monzonite: coarse to medium grained.
- 11C Biotite-hornblende quartz monzonite to granodiorite: may contain ghost-like potassium feldspar megacrysts.

UPPER TRIASSIC

Stuhini Group

- 8 Undivided volcanic, volcaniclastic and sedimentary rocks.
- 8A Interbedded wacke, siltstone, argillite: laminated to thin-bedded, includes carbonaceous argillite, generally dark green to maroon coloured, wacke may vary in composition from a greywacke to a quartz arenite.

Stikine Assemblage

PERMIAN

- 6A Upper member Permian limestone: massive, light coloured, localized bryozoan-rich sections, micritic matrix contains variable proportions of crinoid fragments and is generally sparse of bryozoan fragments and silicified brachiopods.
- 6C Lower member Permian limestone: thin bedded, pyritic, argillaceous, mainly micritic with bioclastic calcarenite containing predominately crinoidal and lesser shelly and bryozoan fragments, dark coloured, contains large rugose corals.
- 6D Thin-bedded argillite, siltstone and lesser fine-grained wacke: may contain thinly bedded fossiliferous limestone of unit 6C.
- 6E Chert or cherty siltstone: yellowish-brown to orange-grey, amorphous, structureless.
- 5 Rusty argillite: pyrite-pyrrhotite bearing, graphitic, occurs at the base of the Permian limestone.

MISSISSIPPIAN AND OLDER

- 4 Undivided metavolcanics and metasediments.
- 4A Tuff unit: consists of ash tuff, lapilli tuff and tuffaceous siltstone, generally greenish-grey and siliceous, may consist of a crystal hash.
- 4B Intermediate flows: feldspar-hornblende porphyritic andesites, pyroxene-plagioclase porphyritic flows.
- 4C Argillite, siltstone: strongly laminated, siltstones are blue-grey, argillites are graphitic in places.
- 4D Greywacke: fine- to medium-grained, thick sequences found within unit 4C, may be volcaniclastic.
- 4E Limestone: light coloured where silicified, dark grey where recrystallized, localized lenses, crinoidal.
- 4G Chert: interbedded within units 4A and 4C, generally black.
- 4G1 Chert and phyllite, interbedded. Green to greenish grey.

SYMBOLS

- Rock outcrop
- Geological contact (defined, approximate)
- 75 Fault with dip (approximate)
- Thrust fault with teeth on upper plate in direction of dip (approximate)
- High angle fault with circle on downthrown side.
- F.A. 30 Fold axis with plunge.
- A.P. 40 Axial planar cleavage with dip.
- 75 Bedding with dip (horizontal, inclined, overturned, dip unknown)
- 75 Foliation with dip (known, unknown)
- 75 Dyke with dip
- 75 (0.1) (0.1) Vein with dip (known, unknown) and true width in metres
- 75 Joint with dip
- X Rock sample (float, outcrop)
- S Silt sample
- H Field-sieved stream sediment sample
- Government silt sample
- Contour soil line with 25 metre stations. Results shown for gold ≥ 11.5 ppb, silver ≥ 2.2 ppm, arsenic ≥ 40 ppm, copper ≥ 225 ppm, lead ≥ 75 ppm, zinc ≥ 350 ppm.

1991 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
52507	8	1.1	34	16	80	89
52508	5	1.0	69	10	110	48
52509	2	0.1	32	44	104	12
52510	29	0.1	51	8	21	125
52525	17	0.1	46	11	69	14
52526	4	1.7	27	12	89	39
52563	1	0.1	35	19	72	14
52564	4	0.2	35	23	113	33
52565	15	0.9	29	11	64	14

1990 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
28601	350	8	1.62%	36	380	340
28602	60	<1	1700	2	100	10
32032	<5	<1	2	2	3	<5
32033	<5	3	39	8	48	10
32034	<5	<1	66	7	59	10
32035	<5	<1	68	<1	86	<5
32324	5	<1	11	8	57	5
32910	<5	<1	5	<1	30	110
32911	<5	<1	47	<1	290	<5
32912	<5	<1	14	4	24	5
32913	<5	<1	21	<1	110	<5
32914	<5	<1	74	<1	73	<5

1989 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
172425	<5	0.5	42	<5	10	7
172426	<5	0.5	106	5	60	9
459503	<5	2.5	6	<5	32	9
459505	<5	<0.5	26	<5	16	7
459576	<5	<0.5	14	5	72	5
459856	<5	<0.5	53	<5	34	1
463129	70	<0.5	38	<5	14	2
463130	20	1.0	120	5	20	4

1991 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
91BK-01	1	1.2	43	5	94	1
91MD-01	3	2.5	133	18	381	30
91MD-02	2	2.1	173	21	478	12
91MD-03	4	1.7	136	15	416	14
91RF-02	2	2.6	140	29	489	22
91RF-03	3	2.4	185	29	665	35
91RF-04	1	2.8	162	14	431	30

1990 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
90RF-06	<5	<1	84	3	320	15

1989 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
459504	25	0.6	115	2	478	35
463128	10	<0.2	12	8	106	<5
463551	<5	<0.2	25	2	90	<5

1987 GOVERNMENT SILT SAMPLE ANALYSES (GSC OPEN FILE 1646, 1988)

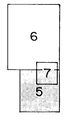
Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
873383	7	1.5	120	12	436	18
90th %ile	30	0.3	103	16	133	17
95th %ile	65	0.4	132	22	181	29
99th %ile	237	1.0	272	55	478	81

Mineral Abbreviations

AZ	Azurite	CB	Fe-carbonate	CL	chlorite
CP	Chalcopyrite	EP	Epidote	GL	galena
MC	Malachite	MG	Magnetite	MS	sericite
PO	Pyrrhotite	PY	Pyrite	SK	skarn
SP	Sphalerite				

Geology adapted in part from Falls (1990), Brown and Gunning (1989b), Logan and Koyangi (1989b), and Ross (1989). Government geochemical data from GSC OPEN FILE 1646 (1988).

MAP INDEX (See Figure ...)



N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,706

0 100 200 300 400 500 600
METRES

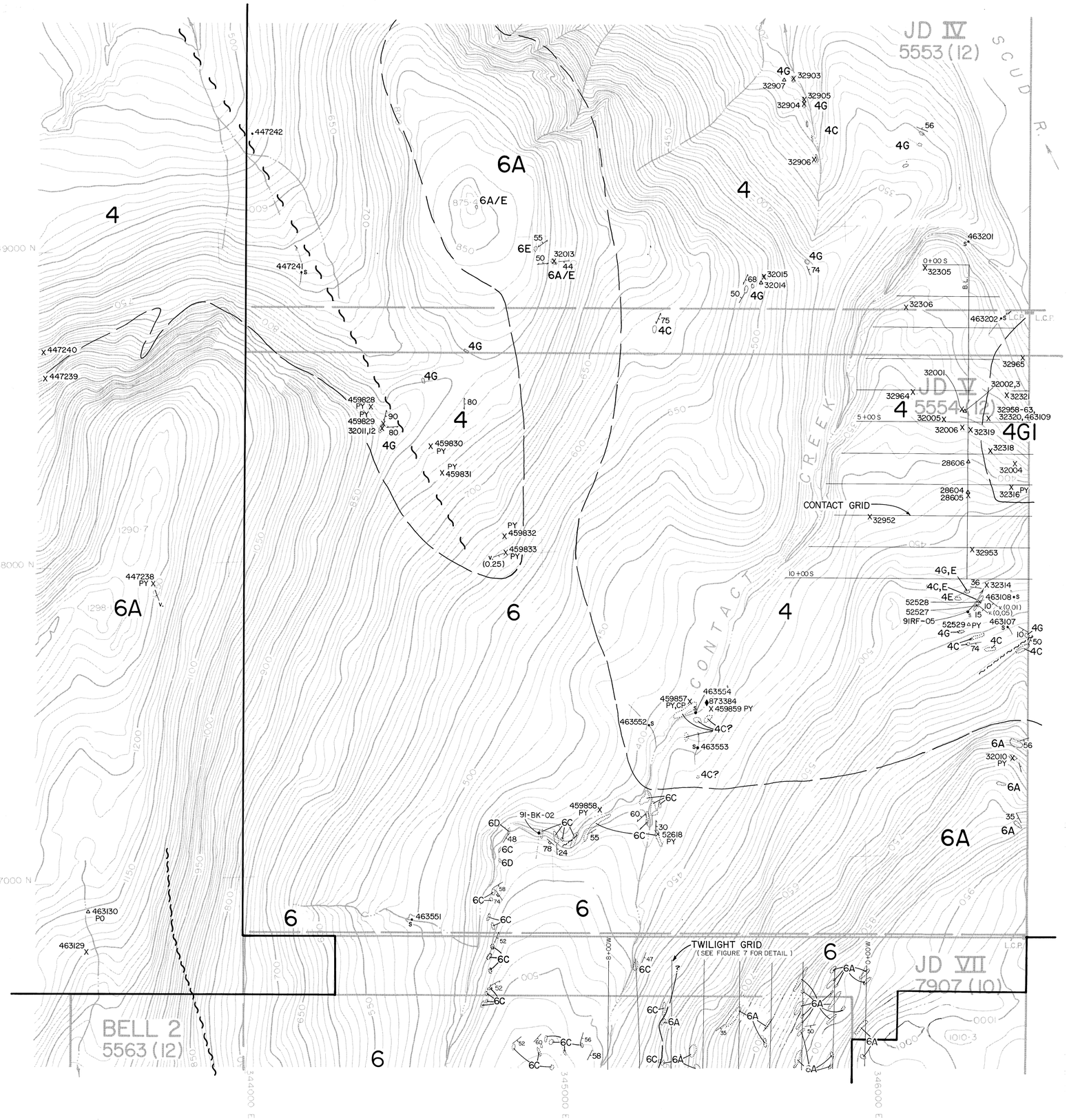
CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

GEOLOGY & GEOCHEMISTRY

EQUITY ENGINEERING LTD.

GEOLOGY: R.F., M.O'D., B.K.	MINING DIV.: LIARD	FIGURE 5
N.T.S.: 104 G/4E, 5E	SCALE: 1:5000	
DATE: AUG., 1991	DRAFTING: J.J.E.	



1991 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
52527	3	1.7	8	1	20	1
52528	2	2.3	8	1	31	1
52529	1	0.4	7	7	16	20
52618	19	0.9	70	21	106	49

1990 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
28604	15	<1	170	3	72	10
28605	10	<1	100	4	29	<5
28606	10	<1	63	6	42	<5
32001	<5	<1	12	33	29	5
32002	<5	<1	17	29	31	10
32003	<5	<1	12	11	36	<5
32004	<5	<1	19	12	19	<5
32005	<5	<1	3	4	6	<5
32006	<5	<1	12	11	14	<5
32010	<5	<1	120	3	82	5
32011	<5	<1	23	6	13	5
32012	<5	<1	13	2	3	<5
32013	<5	<1	6	<1	10	<5
32014	<5	<1	7	<1	4	5
32015	<5	<1	5	1	1	<5
32305	<5	<1	35	130	18	<5
32306	<5	<1	29	22	21	<5
32314	<5	<1	20	<1	7	5
32316	<5	<1	33	12	41	10
32318	10	<1	12	4	6	5
32319	240	3	18	4	9	<5
32320	5	<1	21	7	26	<5
32321	<5	<1	13	4	15	<5
32903	<5	<1	8	2	11	5
32904	<5	<1	14	<1	47	<5
32905	<5	<1	7	3	8	<5
32906	<5	<1	7	2	11	<5
32907	<5	<1	13	<1	60	<5
32952	<5	<1	7	2	20	15
32953	<5	<1	3	<1	5	<5
32958	<5	<1	31	9	66	<5
32959	<5	<1	14	9	19	5
32960	<5	<1	31	4	75	<5
32961	<5	<1	18	8	34	5
32962	<5	<1	98	11	31	<5
32963	<5	<1	29	3	41	<5
32964	<5	<1	7	1	12	10
32965	<5	<1	49	13	37	<5

1989 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
447238	5	<0.5	12	<5	26	7
447239	<5	<0.5	31	5	82	9
447240	<5	0.5	44	5	24	10
459828	<5	<0.5	22	5	28	10
459829	<5	<0.5	10	<5	8	5
459830	<5	<0.5	56	<5	116	2
459831	<5	0.5	5	5	12	5
459832	<5	0.5	37	<5	64	3
459833	<5	0.5	16	5	168	6
459857	<5	<0.5	123	5	200	14
459858	<5	<0.5	80	45	136	1
459859	<5	<0.5	63	<5	62	12
463109	3550	0.5	98	5	36	1
463129	70	<0.5	38	<5	14	2
463130	20	1.0	120	5	20	4

1991 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
91BK-02	2	0.2	32	21	66	15
91RF-05	4	0.7	621	30	635	27

1989 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
447241	5	<0.2	53	8	126	5
447242	10	0.4	80	8	286	20
463107	<5	<0.2	155	6	274	15
463108	<5	<0.2	442	6	516	20
463201	5	<0.2	38	8	88	<5
463202	<5	<0.2	51	4	98	20
463551	<5	<0.2	25	2	90	<5
463552	40	0.2	62	2	878	15
463553	<5	<0.2	80	10	268	5
463554	<5	<0.2	29	<2	70	<5

1987 GOVERNMENT SILT SAMPLE ANALYSES (GSC OPEN FILE 1646, 1988)

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
873384	2	0.2	44	8	71	5
90th %ile	30	0.3	103	16	133	17
95th %ile	65	0.4	132	22	181	29
99th %ile	237	1.0	272	55	478	81

LEGEND

LITHOLOGIES

TERTIARY

Dykes and sills

14A Andesite
14B Basalt (gabbro).
14C Lamprophyre (biotite minette).
14D Diorite
14E Rhyolite

MIDDLE TRIASSIC TO MIDDLE JURASSIC

Galore Creek Intrusions

11 Undivided Galore Creek intrusive rocks.
11A Syenite: dominated by orthoclase phenocrysts with a grey or pink groundmass and various proportions of plagioclase, biotite, and orthoclase phenocrysts.
11B Orthoclase porphyritic monzonite: coarse to medium grained.
11C Biotite-hornblende quartz monzonite to granodiorite: may contain ghost-like potassium feldspar megacrysts.

UPPER TRIASSIC

Stuhini Group

8 Undivided volcanic, volcaniclastic and sedimentary rocks.
8A Interbedded wacke, siltstone, argillite: laminated to thin-bedded, includes carbonaceous argillite, generally dark green to maroon coloured, wacke may vary in composition from a greywacke to a quartz arenite.

Stikine Assemblage

PERMIAN

6A Upper member Permian limestone: massive, light coloured, localized bryozoan-rich sections, micritic matrix contains variable proportions of crinoid fragments and is generally sparse of bryozoan fragments and silicified brachiopods.
6C Lower member Permian limestone: thin bedded, pyritic, argillaceous, mainly micritic with bioclastic calcarenite containing predominately crinoidal and lesser shelly and bryozoan fragments, dark coloured, contains large rugose corals.
6D Thin-bedded argillite, siltstone and lesser fine-grained wacke: may contain thinly bedded fossiliferous limestone of unit 6C.
6E Chert or cherty siltstone: yellowish-brown to orange-grey, amorphous, structureless.
5 Rusty argillite: pyrite-pyrrhotite bearing, graphitic, occurs at the base of the Permian limestone.

MISSISSIPPIAN AND OLDER

4 Undivided metavolcanics and metasediments.
4A Tuff unit: consists of ash tuff, lapilli tuff and tuffaceous siltstone, generally greenish-grey and siliceous, may consist of a crystal hash.
4B Intermediate flows: feldspar-hornblende porphyritic andesites, pyroxene-plagioclase porphyritic flows.
4C Argillite, siltstone: strongly laminated, siltstones are blue-grey, argillites are graphitic in places.
4D Greywacke: fine- to medium-grained, thick sequences found within unit 4C, may be volcaniclastic.
4E Limestone: light coloured where silicified, dark grey where recrystallized, localized lenses, crinoidal.
4G Chert: interbedded within units 4A and 4C, generally black.
4G1 Chert and phyllite, interbedded. Green to greenish grey.

SYMBOLS

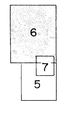
- Rock outcrop
- Geological contact (defined, approximate)
- 75 Fault with dip (approximate)
- Thrust fault with teeth on upper plate in direction of dip (approximate)
- + 75 Bedding with dip (horizontal, inclined, overturned, dip unknown)
- 75 Foliation with dip (known, unknown)
- 75 Dyke with dip
- 75 (0.1) Vein with dip (known, unknown) and true width in metres
- 75 Joint with dip
- Δ X Rock sample (float, outcrop)
- •s Silt sample
- H• Field-sieved stream sediment sample
- ♦ Government silt sample

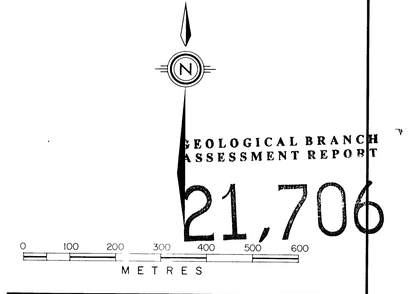
Mineral Abbreviations

AZ	Azurite	CB	Fe-carbonate	CL	chlorite
CP	Chalcopyrite	EP	Epidote	GL	galena
MC	Malachite	MG	Magnetite	MS	sericite
PO	Pyrrhotite	PY	Pyrite	SK	skarn
SP	Sphalerite				

Geology adapted in part from Falls (1990), Brown and Gunning (1989b), Logan and Koyangi (1989b), and Ross (1989). Government geochemical data from GSC OPEN FILE 1646 (1988).

MAP INDEX (See Figure...)





GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,706

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

GEOLOGY & GEOCHEMISTRY

EQUITY ENGINEERING LTD.

GEOLOGY: R.F., M.O'D., B.K.	MINING DIV.: LIARD	FIGURE 6
N.T.S.: 104 G/4E, 5E	SCALE: 1:5000	
DATE: AUG., 1991	DRAFTING: J.J.E.	

Figure 7

346 000 E

6 346 000 N

JD V
5554 (12)

JD VII
7907 (10)

BELL 2
5563 (12)

RB II
638 (1)

8+00 W
7+00 W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W

4+00 N
3+00 N
2+00 N
1+00 N
Base Line 0+00 N
1+00 S
2+00 S
3+00 S
4+00 S
5+00 S

CUT CREEK

DROP SHOWING
52604,613-615
CP, CC, MC

ALDER SHOWING
(See Figure 8)

Twilight Zone
28601-602
MC, LI, AZ

52502,504-506,552,553
556-561,607-611
PY, SP, CP, GL, MC

52562
PY, MS

52555
PY

52554
CP, PY

52566
28603
CP, MC, PY

52567
QZ

52568
HE
PY, CP

52569
HE

52503
HE

52551
PY

52512

52511

91-RF-01

52514

52515

52516

52517

52518

52519

52520

52501

52521

52522

52523

52524

52612
PY

52606
PY

52619
PY, CP

52605
CP, MC

52616
CP, PY, MC

52617
CP, MC

52602
CP, MC

52601
CP, MC

52603
CP, MC

32915
PY

32916

32917
HE

6C
6A
6E
14D
14E

850
900
950
1000
1050

1990 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
28601	350	8	1.62%	36	380	340
28602	60	<1	1700	2	100	10
28603	20	<1	820	<1	60	20
32915	<5	<1	22	7	54	<5
32916	<5	<1	370	<1	12	10
32917	<5	<1	14	<1	20	<5

1991 SILT SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
91RF-01	1	1.6	1658	171	1090	48

1991 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
52501	9	1.9	30	14	27	1
52502	56	7.9	4501	1	313	1
52503	7	3.1	132	28	35	50
52504	21	4.5	955	732	2196	27
52505	64	17.2	1993	4007	15.08%	131
52506	53	8.4	1557	1231	3.03%	66
52511	14	0.6	195	11	85	19
52512	2	2.6	17	19	11	48
52513	9	1.8	31	5	62	1
52514	6	2.5	5	15	10	45
52515	2	2.6	4	15	9	47
52516	4	2.6	7	33	22	42
52517	1	2.3	6	15	17	44
52518	49	0.1	88	20	56	36
52519	7	2.5	9	14	146	10
52520	2	0.3	5	8	21	26
52521	5	0.2	3	5	14	14
52522	8	2.4	6	1	12	18
52523	6	1.5	3	1	17	1
52524	10	2.1	4	15	11	36
52551	12	2.9	130	36	797	1
52552	97	15.4	4375	2419	1.41%	35
52553	43	10.1	2239	3700	5511	40
52554	104	13.0	1.964%	74	398	39
52555	2	2.2	182	41	108	26
52556	152	19.5	1.357%	76	7040	52
52557	16	2.7	461	178	345	6
52558	13	2.6	369	69	311	11
52559	83	8.9	2256	813	2.80%	94
52560	18	4.5	1135	467	2472	45
52561	3	3.6	829	54	889	43
52562	21	0.7	18	9	15	21
52566	27	2.7	115	1	21	1
52567	5	1.1	37	11	67	13
52568	22	2.0	688	14	103	38
52569	4	2.5	28	20	33	45
52601	2	1.8	4074	20	255	21
52602	23	6.2	1.327%	18	167	1
52603	3	3.0	1870	1	719	1
52604	18	3.1	4708	13	76	17
52605	8	2.2	1074	11	49	17
52606	3	1.0	175	6	28	1
52607	7	3.5	1075	54	591	17
52608	65	3.3	398	179	909	97
52609	17	2.1	384	93	1786	44
52610	2	2.1	296	296	598	11
52611	3	3.7	646	1505	1328	15
52612	2	1.0	395	8	48	9
52613	26	2.7	5051	1	99	1
52614	18	2.8	3242	1	140	1
52615	23	2.5	2413	1	866	1
52616	8	4.2	3152	11	73	18
52617	14	2.3	2225	13	37	10
52619	635	19.9	5411	1923	2794	184

LEGEND

TERTIARY

Dykes and sills

14D Dioritic dykes.

14E Rhyolitic.

Stikine Assemblage

PERMIAN

6A Upper member Permian limestone: massive, light coloured, localized bryozoan-rich sections, micritic matrix contains variable proportions of crinoid fragments and is generally sparse of bryozoan fragments and silicified brachiopods.

6C Lower member Permian limestone: thin-bedded, pyritic, argillaceous, mainly micritic with bioclastic calcarenite containing predominately crinoidal and lesser shelly and bryozoan fragments, dark coloured, contains large rugose corals.

6E Chert or cherty siltstone: yellowish-brown to orange-grey, amorphous, structureless.

5 Rusty argillite: pyrite-pyrrhotite bearing, graphitic, occurs at the base of the Permian limestone.

MINERAL ABBREVIATIONS

CC	Chalcocite	CP	Chalcopyrite	GL	Galena
HE	Hematite	MC	Malachite	MS	Sericite
PY	Pyrite	QZ	Quartz	SP	Sphalerite

SYMBOLS

- Rock outcrop
- Geological boundary (approximate)
- Fault (approximate)
- Bedding with dip
- Foliation with dip
- Dyke
- Vein with dip
- Joint with dip
- Axial plane with dip
- Fold axis with plunge
- Rock sample (float, grab from outcrop)
- Silt sample
- Trench
- Cliff

Geology adapted in part from Falls (1990)

0 50 100 200
METRES

MAP INDEX (See Figure...)

6
7
5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,706

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT TWILIGHT GRID

GEOLOGY & GEOCHEMISTRY

EQUITY ENGINEERING LTD.

GEOLOGY: R.F., M.O'D., B.K.	MINING DIV.: LIARD	FIGURE 7
N.T.S.: 104 G/4E, 5E	SCALE: 1:2000	
DATE: AUG., 1991	DRAFTING: J.J.E.	

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT
TWILIGHT GRID

ALDER SHOWING CROSS SECTION

EQUITY ENGINEERING LTD.

GEOLOGY: M.O'D.	MINING DIV.: LIARD		FIGURE
N.T.S.: 104 G/4E, 5E	SCALE: 1:50		8
DATE: AUG., 1991	DRAFTING: J.J.E.		

LEGEND

PERMIAN
Stikine Assemblage

1 Calc-silicate schist and rusty-weathering argillite.
2 Talc schist with wavy, anastomosing foliation.
6A Massive, blocky, mottled limestone.

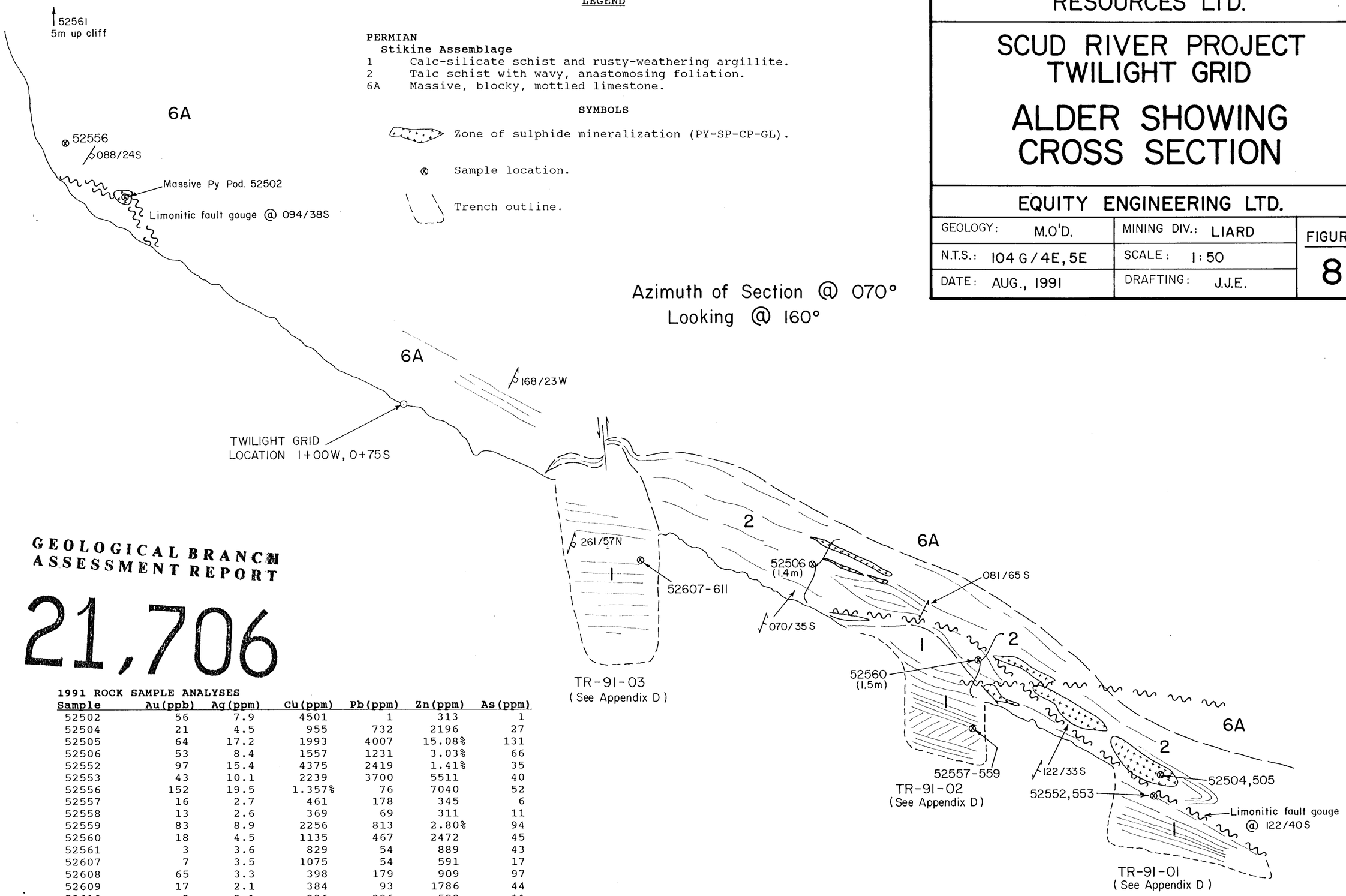
SYMBOLS

Zone of sulphide mineralization (PY-SP-CP-GL).

Sample location.

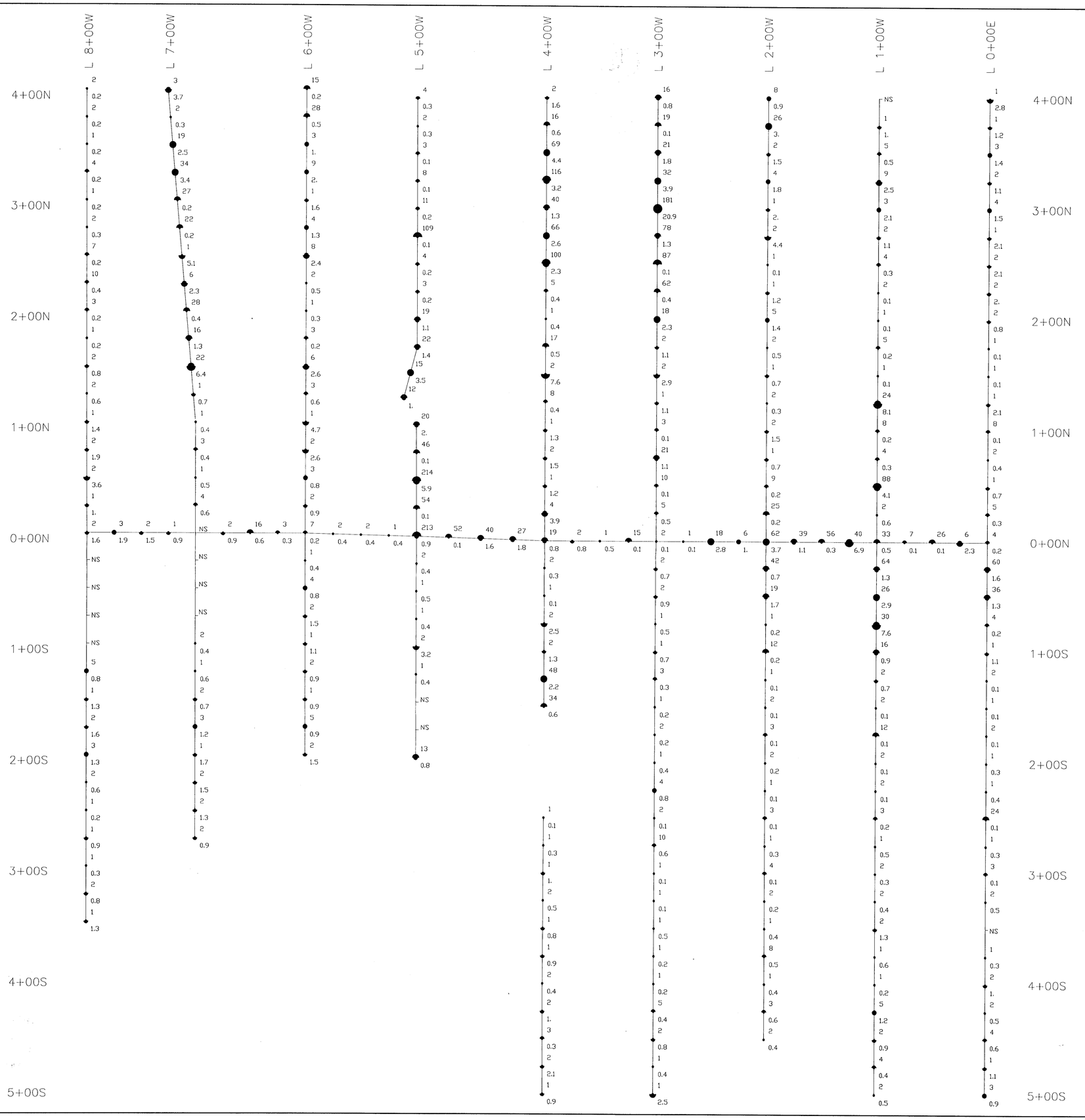
Trench outline.

Azimuth of Section @ 070°
Looking @ 160°



1991 ROCK SAMPLE ANALYSES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
52502	56	7.9	4501	1	313	1
52504	21	4.5	955	732	2196	27
52505	64	17.2	1993	4007	15.08%	131
52506	53	8.4	1557	1231	3.03%	66
52552	97	15.4	4375	2419	1.41%	35
52553	43	10.1	2239	3700	5511	40
52556	152	19.5	1.357%	76	7040	52
52557	16	2.7	461	178	345	6
52558	13	2.6	369	69	311	11
52559	83	8.9	2256	813	2.80%	94
52560	18	4.5	1135	467	2472	45
52561	3	3.6	829	54	889	43
52607	7	3.5	1075	54	591	17
52608	65	3.3	398	179	909	97
52609	17	2.1	384	93	1786	44
52610	2	2.1	296	296	598	11
52611	3	3.7	646	1505	1328	15



LEGEND

Soil location and value

Gold Anomaly Levels

- 0 < value < 3 ppb
- 3 <= value < 11.5 ppb
- 11.5 <= value < 85 ppb
- 85 <= value ppb

Silver Anomaly Levels

- 0 < value < 0.7 ppm
- 0.7 <= value < 2.2 ppm
- 2.2 <= value < 6.2 ppm
- 6.2 <= value ppm

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,706

SCALE: 1:2000

0 50 100 150 200 250

metres

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

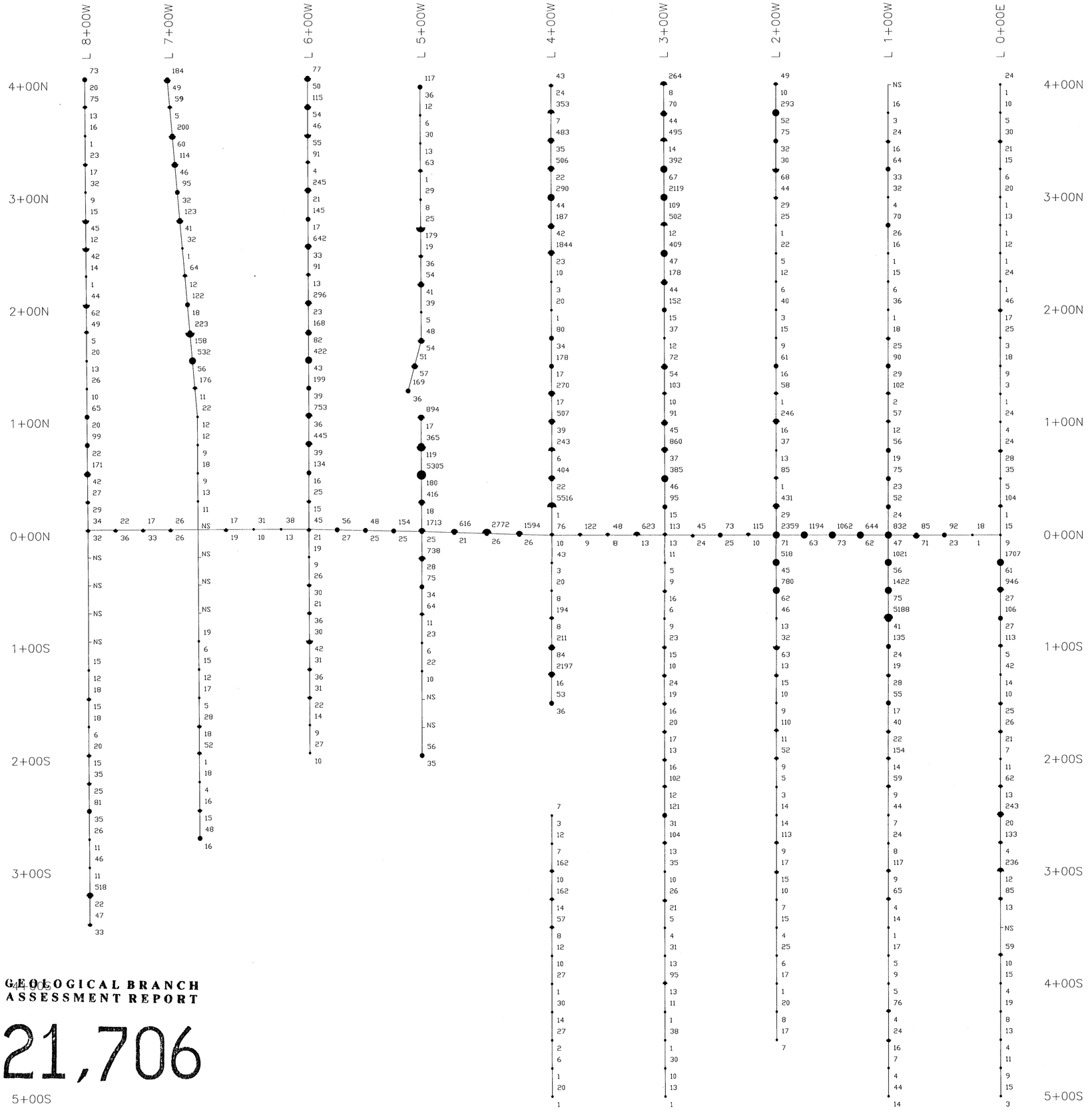
Gold / Silver in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
AUGUST /91	104G/4E	LIARD	9.

Prepared By: CAMBRIA DATA SERVICES LTD.



LEGEND

Soil location and value

115
193
66 333 150 162
212 118 514 472
107
422

Copper Anomaly Levels	-	0 < value < 48 ppm
		48 <= value < 225 ppm
		225 <= value < 2450 ppm
		2450 <= value ppm
Arsenic Anomaly Levels	-	0 < value < 15 ppm
		15 <= value < 40 ppm
		40 <= value < 110 ppm
		110 <= value ppm

SCALE: 1:2000

0 50 100 150 200 250
metres

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

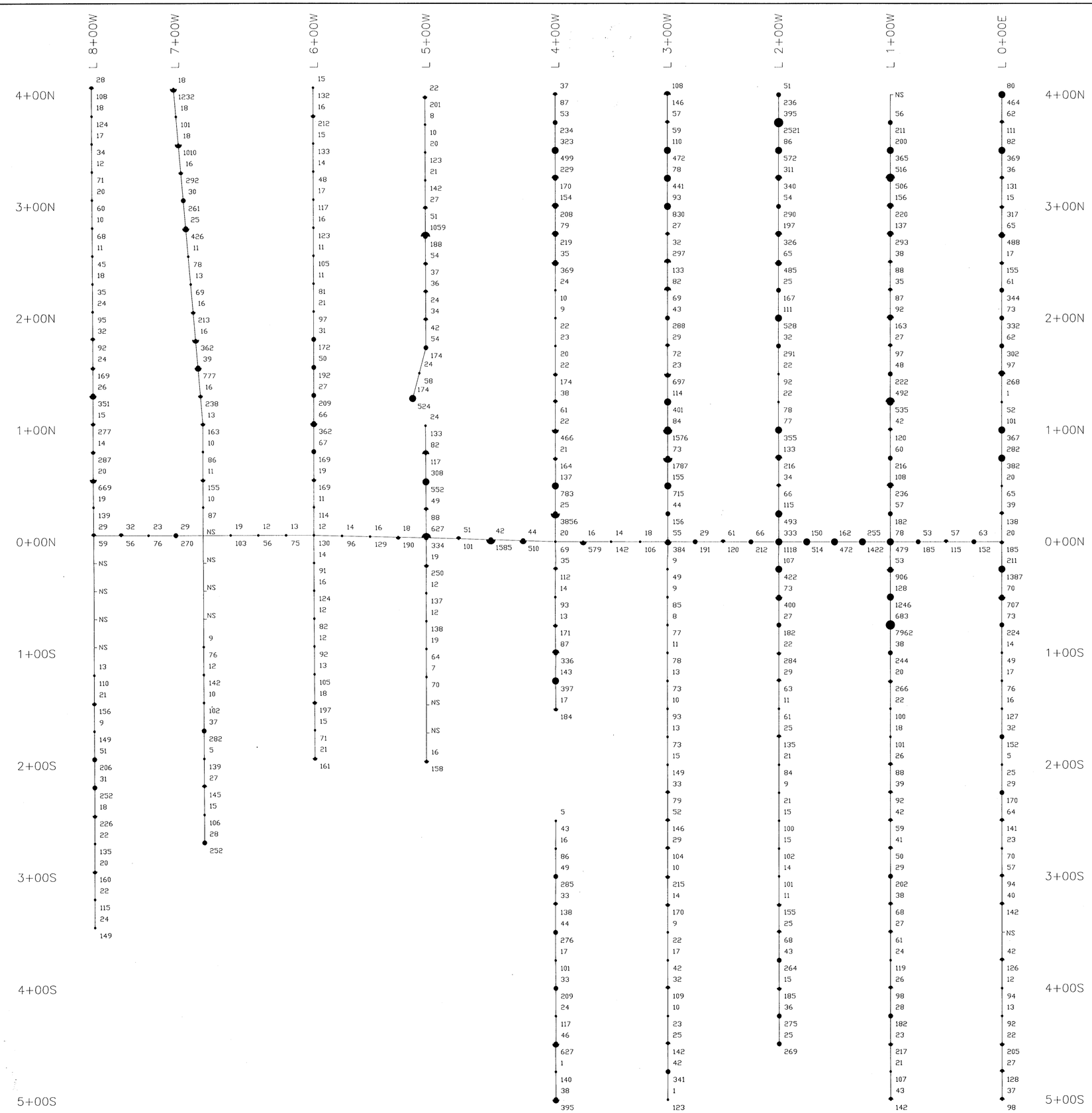
Copper / Arsenic in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
AUGUST /91	104G/4E	LIARD	10.

Prepared By: CAMBRIA DATA SERVICES LTD.



LEGEND

Soil location and value

Lead Anomaly Levels

- 0 < value < 25 ppm
- 25 <= value < 75 ppm
- 75 <= value < 350 ppm
- 350 <= value ppm

Zinc Anomaly Levels

- 0 < value < 150 ppm
- 150 <= value < 350 ppm
- 350 <= value < 1450 ppm
- 1450 <= value ppm

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,706

SCALE: 1: 2000

0 50 100 150 200 250

metres

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

Lead / Zinc in Soils

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

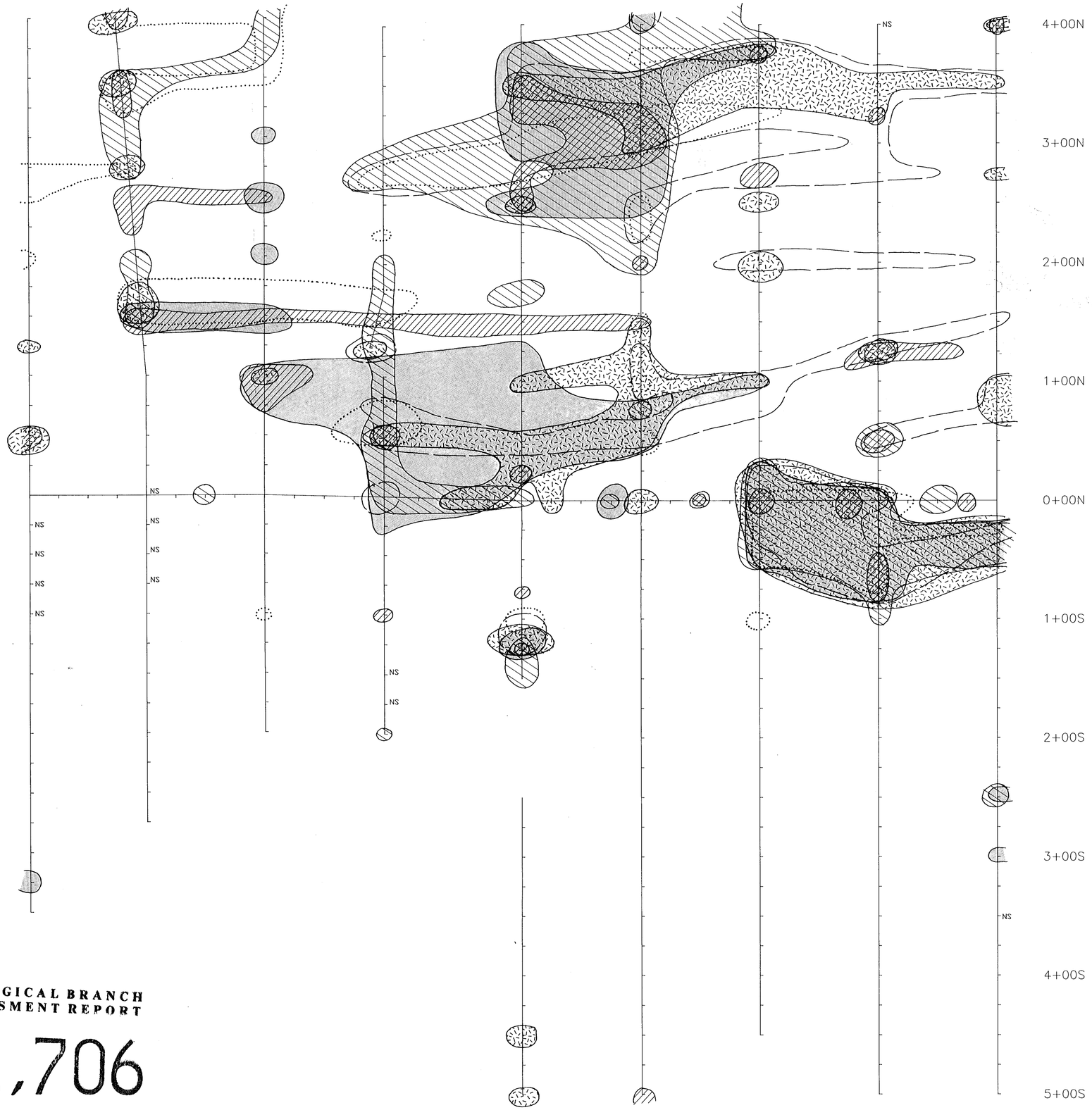
Date:	N.T.S.	Mining Division	Figure:
AUGUST /91	104G/4E	LIARD	11.

Prepared By: CAMBRIA DATA SERVICES LTD.

L 8+00W L 7+00W L 6+00W L 5+00W L 4+00W L 3+00W L 2+00W L 1+00W L 0+00E

4+00N 3+00N 2+00N 1+00N 0+00N 1+00S 2+00S 3+00S 4+00S 5+00S

NS



LEGEND

- GOLD (⩾ 11.5 ppb Au)
- SILVER (⩾ 2.2 ppm Ag)
- COPPER (⩾ 225 ppm Cu)
- ZINC (⩾ 350 ppm Zn)
- LEAD (⩾ 75 ppm Pb)
- ARSENIC (⩾ 40 ppm As)

SCALE: 1: 2000

0 50 100 150 200 250

metres

CONSOLIDATED GOLDWEST RESOURCES LTD.

SCUD RIVER PROJECT

TWILIGHT GRID

Soil Compilation Map

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Date:	N.T.S.	Mining Division	Figure:
AUGUST /91	104G/4E	LIARD	12.

Prepared By: CAMBRIA DATA SERVICES LTD.