ARIS SUMMARY SHEET

District Geologist, Victoria — Off Confidential: 89.04.28

ASSESSMENT REPORT 17428 — MINING DIVISION: Alberni

PROPERTY: Contact
LOCATION: LAT 49 18 00 LONG 126 04 24
UTM 09 5464708 712768
NTS 092E08E
CLAIM(S): Contact 1-3,Au
OPERATOR(S): Parallax Dev.
AUTHOR(S): Ryback-Hardy, V.
REPORT YEAR: 1988, 208 Pages
COMMODITIES
SEARCHED FOR: Gold,Copper,Silver,Lead
GEOLOGICAL
SUMMARY: The claims are underlain by Westcoast Complex metavolcanics and Jurassic Island Intrusions. Several discordant skarn bodies are localized within the volcanic sequence near the intrusive contact. Massive magnetite, pyrite, pyrrhotite and local chalcopyrite and bornite occur in the skarn zones.

WORK
DONE: Geological,Geochemical,Geophysical,Drilling
DIAD 894.0 m 10 hole(s);BQ
Map(s) - 5; Scale(s) - 1:250
GEOL 104.2 ha
Map(s) - 3; Scale(s) - 1:2000,1:5000
IPOL 9.1 km
Map(s) - 18; Scale(s) - 1:1250
ROCK 89 sample(s) ;AU,ME
Map(s) - 1; Scale(s) - 1:2000
SAMP 209 sample(s) ;AU,ME
SOIL 407 sample(s) ;AU,ME
Map(s) - 4; Scale(s) - 1:2000
MINFILE: 092E 012,092E 021,092E 022,092E 033

REPORT ON PHASE I AND II GEOLOGY, LITHOGEOCHEMISTRY, SOIL GEOCHEMISTRY, INDUCED POLARIZATION SURVEY, AND DIAMOND DRILLING

CONTACT 1, 2, 3 AU GROUP
(Contact 1, 2, 3, and Au claims)
Flores Island, B.C.

Alberni Mining Division
NTS 92E/8E, 49°17.6'N Lat., 126°04.4'W Long.
for

PARALLAX DEVELOPMENT CORPORATION
February 29, 1988
V. Ryback-Hardy, P.Eng.
VOLUME I OF II

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT

TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Geological/Geochemical/Geophysical	$337,600

AUTHOR(S) V. Ryback-Hardy SIGNATURE(S) Victor Ryback-Hardy

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED ..... YEAR OF WORK 1987-88

PROPERTY NAME(S) CONTACT 1,2,3 / AU GROUP

COMMODITIES PRESENT Au, Ag, Cu, Pb, Zn

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN .....

MINING DIVISION Alberni NTS 92E/8E

LATITUDE 49°17.6 N Lat. LONGITUDE 126°04.4' W Long.

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Contact 1 (2428[10]) 18 units; Contact 2 (3005[9]) 4 units; Contact 3 (3006[9]) 3 units; Au (1250[6]) 6 units

OWNER(S)

(1) Parallax Development Corporation (2) Au Resources Ltd.

MAILING ADDRESS

764 Shaw Ave.
Coquitlam, B.C. V3K 2R8

OPERATOR(S) (that is, Company paying for the work)

(1) Parallax Development Corporation (2) .....

MAILING ADDRESS

as above

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The claims are underlain by Westcoast Complex metavolcanics and Jurassic Island Intrusions. Several discordant skarn bodies are localized within the volcanic sequence near the intrusive contact. Massive magnetite, pyrite, pyrrhotite and local chalcopyrite and bornite occur in the skarn zones.

REFERENCES TO PREVIOUS WORK (Hawkins, 1987)

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)	(1:2000 (1 km²)	Contact 1,2,3	
Ground	(1:5000 (0,1 km²)	Au, Contact 1	103,005.62
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization	(7,8 line-km	Main Grid	57,753.30
	(1,275 line-km	McNeil Peninsula Grid	
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil	407 Au, ICP (+ selected assays)		5,379.90
Silt			
Rock	89 Au, ICP		1,424.00
Other	209 Au, ICP (+ selected assays)		4,412.20
DRILLING (total metres; number of holes, size)			
Core	894.0 m, 10 holes (5 set-ups) (BQ sized core)		160,624.98
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
		TOTAL COST	$337,600

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted Date	Rept. No.			Information Class

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION – TITLES BRANCH

MINERAL ACT

DOCUMENT No _____
OFFICE USE ONLY

RECORDING STAMP

Statement of Work — Cash Payment

I, R.E. Tsuida (Name) Agent for Parallax Development Corporation (Name)

Valid subsisting FMC No. 286130 (TSUIRE) Valid subsisting FMC No. 286131 (PARDEC)

(Address) 764 Shaw Ave., Coquitlam, B.C. V3K 2R8 (Postal Code) 936-5228 (Telephone Number)

(Address) 764 Shaw Ave., Coquitlam, B.C. V3K 2R8 (Postal Code) 936-5228 (Telephone Number)

STATE THAT: [NOTE: If only paying cash in lieu, turn to reverse and complete columns G to J and S to V]

1. I have done, or caused to be done, work on the Contact 1, Contact 2, Contact 3, Au Claim(s)

Record No(s) 2428(10) 3005(9) 3006(9) 1250(6)

Situate at Flores Island In the Alberni Mining Division,

Work was done from Sept, 1 , 19 87 ,to Feb, 15 , 19 88 .

TYPE OF WORK

PHYSICAL: Work such as trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails. Details as required under section 13 of the Regulations, including the map and cost statement, must be given on this statement.

PROSPECTING: Details as required under section 9 of the Regulations must be submitted in a technical report. Prospecting work can only be claimed once by the same owner of the ground, and only during the first three years of ownership.

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL, DRILLING: Details must be submitted in a technical report conforming to sections 5 through 8 (as appropriate) of the Regulations.

PORTABLE ASSESSMENT CREDIT (PAC) WITHDRAWAL: A maximum of 30% of the approved value of geological, geophysical, geochemical and/or drilling work on this statement may be withdrawn from the owner's or operator's PAC account and added to the work value on this statement.

TYPE OF WORK (Specify Physical (include details), Prospecting, Geological, etc.)	VALUE OF WORK Physical	*Prospecting	*Geological etc.	
Geological, Geophysical, Geochemical, Drilling			337,600	
TOTALS	A +	B +	C 337,600	D 337,600
PAC WITHDRAWAL — Maximum 30% of Value in Box C Only			E →	E 337,600
from account(s) of _____			TOTAL	F

* Who was the operator (provided the financing)? Name: Parallax Development Corp.
Address: 764 Shaw Ave.
Coquitlam, B.C. Phone: 936-5228

Transfer amount in Box F to reverse side of form and complete as required.

M28 2024

MTL 112

F $337,600 I WISH TO APPLY $ 31,000 OF THE TOTAL VALUE FROM BOX F AS FOLLOWS:

Columns G through R inclusive MUST BE COMPLETED before work credits can be granted to claims.
Columns G through J and S through V inclusive MUST BE COMPLETED before a cash payment or rental payment can be credited.
Columns not applicable need not be completed.

Cash Payment

CLAIM IDENTIFICATION / **APPLICATION OF WORK CREDIT** / **CASH IN LIEU OF WORK OR LEASE RENTAL**

	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	CLAIM NAME (one claim/lease per line)	RECORD No.	No. OF UNITS*	CURRENT EXPIRY DATE	WORK TO BE APPLIED: VALUE	WORK TO BE APPLIED: YEARS	WORK TO BE APPLIED: EXCESS CREDIT	RECORDING FEES 5% OF K	PENALTY FEES 10% OF K	PRIOR EXCESS CREDIT BEING USED	NEW EXPIRY DATE	EXCESS CREDIT REMAINING	C/L	RECORDING FEE 10% OF S	MINERAL LEASE RENTAL	NEW EXPIRY DATE
1	Contact 1	2428	18	Oct17 93	18,000	5		900			Oct 17 1998					
2	Contact 2	3005	4	Sep12 93	4,000	5		200			Sep 12 1998					
3	Contact 3	3006	3	Sep12 93	3,000	5		150			Sep 12 1998					
4	Au	1250	6	Jun10 93	6,000	5		300			Jun 10 1998					
5																
6																
7																
8																
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10																
11																
12																
13																
14																
15																
16																
17																
18																
					31,000 TOTAL OF K			1,550 TOTAL OF N	TOTAL OF O				TOTAL OF S	TOTAL OF T	TOTAL OF U	

NOTICE TO GROUP No. 1261 RECORDED Nov 25 1987

* 2 POST FRACTION REV. CROWN GRANT ARE 1 UNIT EACH

Value of work to be credited to portable assessment credit (PAC) account(s).
[May only be credited from the approved value of Box C not applied to claims.]

Name of owner/operator	Name	AMOUNT
	1. Parallax Development Corporation	$306,600
	2.	
	3.	

I, the undersigned Free Miner, hereby acknowledge and understand that it is an offence to knowingly make a false statement or provide false information under the *Mineral Act*. I further acknowledge and understand that if the statements made, or information given, in this Statement of Exploration and Development are found to be false and the exploration and development has not been performed, as alleged in this Statement of Exploration and Development, then the work reported on this statement will be cancelled and the subject mineral claim(s) may, as a result, forfeit to and vest back to the Province.

Signature of Applicant

SUMMARY

Between September 1, 1987 and February 15, 1988 a geological evaluation was conducted on the Contact 1, 2, 3 Au Group (Contact 1, 2, 3 and Au claims) (Alberni Mining Division) by MPH Consulting Limited. The program was a continuation of the work commenced by MPH during 1986. Phase I consisted of grid line cutting, additional soil sampling, geological mapping, induced polarization survey, hand trenching and blasting, rock sampling, drill pad preparation, and diamond drilling (continued as Phase II).

The claims are underlain by Westcoast Complex metavolcanics and phases of Jurassic Intrusions and/or Tertiary Catface Intrusions. Several discordant skarn bodies are localized within the volcanic sequence near the intrusive contact. These skarn zones are mineralized with massive magnetite, pyrite, pyrrhotite and, locally chalcopyrite and bornite.

The 1987 (Phase I) geochemical soil survey extended and delineated a gold and arsenic-in-soil anomaly indicated from the 1986 sampling program. Areas strongly anomalous in arsenic and gold were delineated along L1S and L4N on the west side of the base line. Values as high as 2440 ppm As and 400 ppb Au were returned from soil samples taken along L1S, and a sample from L2N, 4+75W returned a value of 90,000 ppb Au. These zones are also coincident with anomalous lead, zinc, copper, and silver values. Gold values are spatially related to arsenic values both in soils and rocks.

The induced polarization survey outlined three areas of high chargeability on the Main Grid area and one anomalous zone on the McNeil Peninsula grid. These zones are coincident with known magnetite skarn zones.

A diamond drilling program (Phase I and II) consisting of 894 m of drilling in ten holes was completed on the property. The drillholes were designed to test the induced polarization and geochemical anomalies outlined during the 1986 and 1987 exploration programs. Significant mineralized intersections were encountered in drillholes 88-6, 88-7 on the Main Grid and, 88-8 and 88-9 on the McNeil Peninsula. Hole 88-6 intersected 1.93 m (5.12-7.05 m) of 1.19 g/t (0.035 oz/ton) Au in a section averaging 0.28 g/t (0.008 oz/ton) Au over 13.7 m (3.35 to 17.05 m). Hole 88-7, from the same setup, returned a 1.83 m section (19.20 to 21.03 m) assaying 0.79 g/t (0.023 oz/ton) Au in a section averaging 0.35 g/t (0.010 oz/ton) Au over 12.5 m (8.53 to 21.03 m), including a section averaging 0.44 g/t (0.013 oz/ton) Au over 9.45 m. Hole 88-8 returned a 0.73 m section (28.88 to 29.61 m) assaying 1.17 g/t (0.034 oz/ton) Au in a 6.23 m section averaging 0.20 g/t (0.006 oz/ton) Au. Hole 88-9, from the same setup, intersected a 0.14 m section (25.46-25.60 m) assaying 5.83 g/t (0.170 oz/ton) Au. These zones of anomalous gold mineralization encountered in the drillholes warrant further exploration to determine grades and dimensions along strike and at depth.

A Phase III exploration program, consisting of geological mapping and rock sampling, soil sampling, IP survey, road building and diamond drilling, has been recommended to further test these zones at an estimated cost of $400,000.

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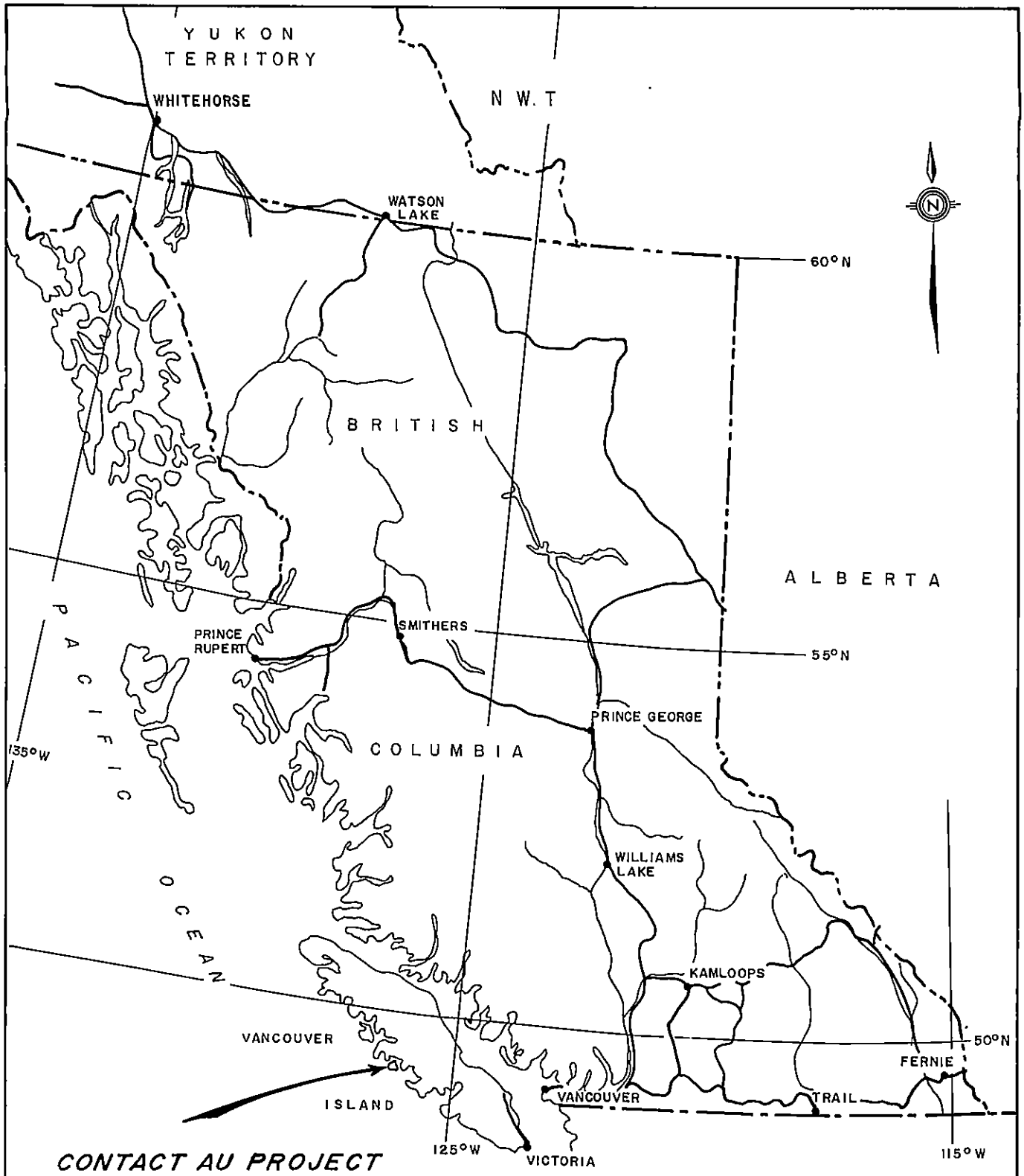


PARALLAX DEVELOPMENT CORPORATION

GENERAL LOCATION MAP

CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	T. N.
Scale:	1 : 8 000 000	Drawn:	J. S.
Drawing No:	1	Date:	FEBRUARY 1988

MPH Consulting Limited

1.0 INTRODUCTION

This report represents a comprehensive evaluation of the results obtained from field work carried out on the Contact 1, 2, 3 and Au claims between September 1, 1987 and February 15, 1988 by MPH Consulting Limited, at the request of Mr. R. Tsuida of Parallax Development Corporation.

Work carried out this field season (1987-88) included detailed geological mapping, prospecting, rock and soil sampling for geochemical analysis, an induced polarization survey, and a diamond drilling program which covered the central part of the Contact 1 claim and part of McNeil Peninsula (Contact 1 and Au claims).

Previous work was integrated with this work wherever possible.

2.0 LOCATION, ACCESS, TITLE

The Contact 1, 2, 3, and Au group of claims is located approximately 20 km northwest of Tofino on the southeastern portion of Flores Island, in the Alberni Mining Division of British Columbia. They are centred at approximately 49°17.6'N latitude, 126°04.4'W longitude on NTS mapsheet 92E/8E (Figures 1, 2).

From Port Alberni, Highway 4 runs westerly for approximately 120 km to Tofino, where access to the southeast portion of Flores Island is gained by float plane, helicopter or boat for a distance of approximately 20 km northwest. The property itself is located 2 km northwest of the small Indian village of Marktosis. The Legal Corner Post of the Contact 3 claim is located 50 m west of the end of the public dock in the village of Ahousat. A small boat is necessary to gain access to the claims which are separated by Matilda Inlet and extend onto the McNeil Peninsula.

Flores Island terrain is very rugged, with elevations ranging from 0 to 850 m (Mt. Flores). The island is covered in forest of Douglas fir and western red cedar, as well as dense undergrowth (salal) and windfalls. A network of trails leads to various old workings on the claims, but roads are nonexistent on the property.

Claim information is summarized below:

Claim	Record No.	Units	Owners	Anniversary Date	Year Recorded
Contact 1	2428(10)	18	Parallax Development Corporation	Oct. 17, 1993	1984
Contact 2	3005(9)	4	"	Sept. 12, 1993	1986
Contact 3	3006(9)	3	"	Sept. 12, 1993	1986
Au	1250(6)	6	Au Resources Ltd.	June 10, 1993	1981
	Total	31			

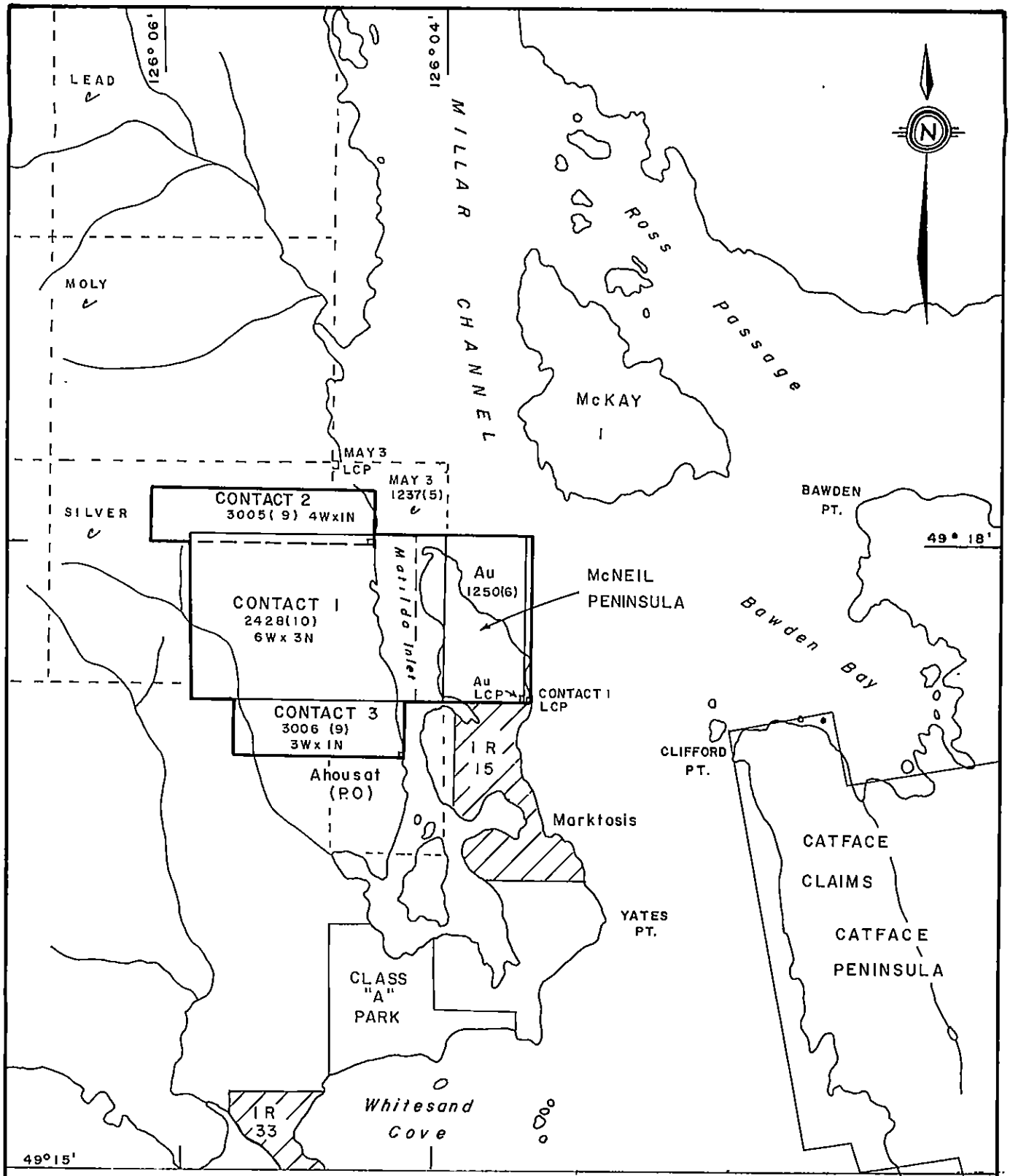
A Notice to Group was recorded September 25, 1986 as the Contact 1, 2, 3 Group.

A Bill of Sale dated December 3, 1986 transferred 100% ownership from Robert Tsuida, Walter Carlson and Robert Harvey Day to Parallax Development Corporation, which is the owner/operator of the claims.

Parallax Development Corporation entered in to an agreement dated September 14, 1987 with Au Resources Ltd., to acquire 90% of the Au claim with a further option to acquire the remaining 10% of the claim.

A Notice to Group (No. 1261) was recorded November 27, 1987 as the Contact 1, 2, 3 and Au Group.

The anniversary dates are not updated to work recorded in this report.



PARALLAX DEVELOPMENT CORPORATION

CLAIM MAP

CONTACT AU PROJECT

FLORES ISLAND, B.C.

ALBERNI M.D.

Project No:	V248	By:	H.E.
Scale:	1 : 50 000	Drawn:	J.S.
Drawing No:	2	Date:	FEBRUARY 1988

MPH Consulting Limited

3.0 PREVIOUS WORK

Government geological work in the area includes mapping by Hayrock and Webster of the Geological Survey of Canada beginning in 1902. Later work includes surveying in 1920 by Dolmage, and geological reconnaissance by M.F. Bancroft (1937). Jeletzky (1950, 1954) carried out detailed examinations of Mesozoic and Tertiary sediments to establish the stratigraphy of the area. Published annual reports from the British Columbia Department of Mines show records of investigations if mineral deposits in the region. The Ormond Showing (Cu, Ag, Au) was examined in 1928 and 1930, and followed up during the 1930's by trenching across the strike of the mineralized zone and driving an inclined shaft to intersect this zone at depth. A report on the geology and mineral deposits of the Nootka Sound map area by Muller, Cameron, and Northcote, for the Geological Survey of Canada, was published in 1981.

An IP Survey conducted by Van West Minerals in 1962 resulted in the delineation of a good conductor associated with pyrrhotite and mineralization, located in the most southeast portion of the Silver claim (presently Contact 1 claim) (Sutherland and Bell, 1962).

Soil and silt sample surveys were carried out by Falconbridge Nickel Mines Ltd. in the central and western portions of the Moly and Gold claims just to the north and northwest of the Contact 1, 2, 3 claims, resulting in some anomalous copper concentrations.

A soil geochemical survey conducted by Western Mines Ltd. in 1972 on the May 1 and May 2 claims to the west of the Contact 1, 2, 3 claims did not uncover significant base metal anomalies, and therefore did not warrant further work.

In 1974 Wesfrob Mines Ltd. mapped a small portion of the Moly claim (just north of Contact 2 claim) to assess the potential for copper mineralization; however, only minor amounts of chalcopyrite were found.

The Gold and Copper claims, to the northwest of the Contact 1, 2, and 3 claims were staked by Clear Mines Ltd. in early 1979. Airborne geophysical work including magnetometer, VLF-EM and radiometric surveys were conducted by D.G. Mark and Associates in July 1979 (Mark, 1980).

The magnetic survey confirmed the presence of the Cliff Zone base metal showing, as a magnetic low, as well as aiding in differentiating lithologies. The radiometric data also outlined the Tertiary Intrusions due to the relatively high potassium content. Geophysical work was followed by soil sampling and subsequent rock sampling and examination of the gold showings. Grab samples taken from the Ormond Showing returned concentrations up to 6.07% Cu and 139.9 g/t (4.08 oz/ton) Ag. A gold concentration of 1300 ppb from a soil sample confirmed the presence of a Au anomaly.

During the summer of 1985, Parallax Development Corporation collected two rock samples from a trench on the central Contact 1 claim, which returned up to 205.0 g/t (5.98 oz/ton) Au, and up to 3.29 g/t (0.096 oz/ton) Au. Another sample taken during the summer of 1986 from this trench returned values of 54.5 g/t Au (1.59 oz/ton), 180.7 g/t Ag (5.27 oz/ton), and 4.80% Cu. The most significant results, however, are from an old adit on the Contact 2 claim northeast of the Ormond Showing, from which concentrations of 334.3 g/t Au (9.75 oz/ton), 397.4 g/t Ag (11.59 oz/ton), 5.17% Pb, and 2.92% Zn were returned, from one sample.

Between November 5 and November 16, 1986 a program of geological mapping, prospecting, soil sampling, and rock sampling was carried out over the Contact 1, 2 and 3 claims by MPH Consulting Limited (Hawkins, 1987). A total of 130 rock (grab) samples was collected from outcrops, old trenches, adits and showings. Rock samples taken from the McNeil Peninsula yielded values of up to 600.0 g/t (17.500 oz/ton) Au, 332.6 g/t Ag (9.70 oz/ton), 2274 ppm Cu, 6.28% Pb, 4.82% Zn, and 6.90% As (sample 14569); and 60.0 g/t (1.750 oz/ton) Au, 83.7 g/t (2.44 oz/ton) Ag, 2.34% Pb, 3.06% Zn, and 8.02% As (sample 14568).

Results from the grid area on the Contact 1 claim included values of up to 23.7 g/t (0.692 oz/ton) Au, 240.7 g/t (7.02 oz/ton) Ag, 8.48% Cu, 12.90% Zn and 0.05% Cd.

Soil sampling at 25 m intervals along 3.025 line km of flagged grid resulted in the collection of 129 samples. Several anomalies were outlined and were the target for the exploration program completed in the fall of 1987 and winter of 1988.

4.0 REGIONAL GEOLOGY

The west coast of Vancouver Island in the vicinity of Flores Island is underlain primarily by metavolcanic and lesser metasedimentary rocks of the Westcoast Complex, and a variety of volcanics of the Bonanza Formation. These rocks are intruded by Tertiary Catface Intrusions on Flores Island.

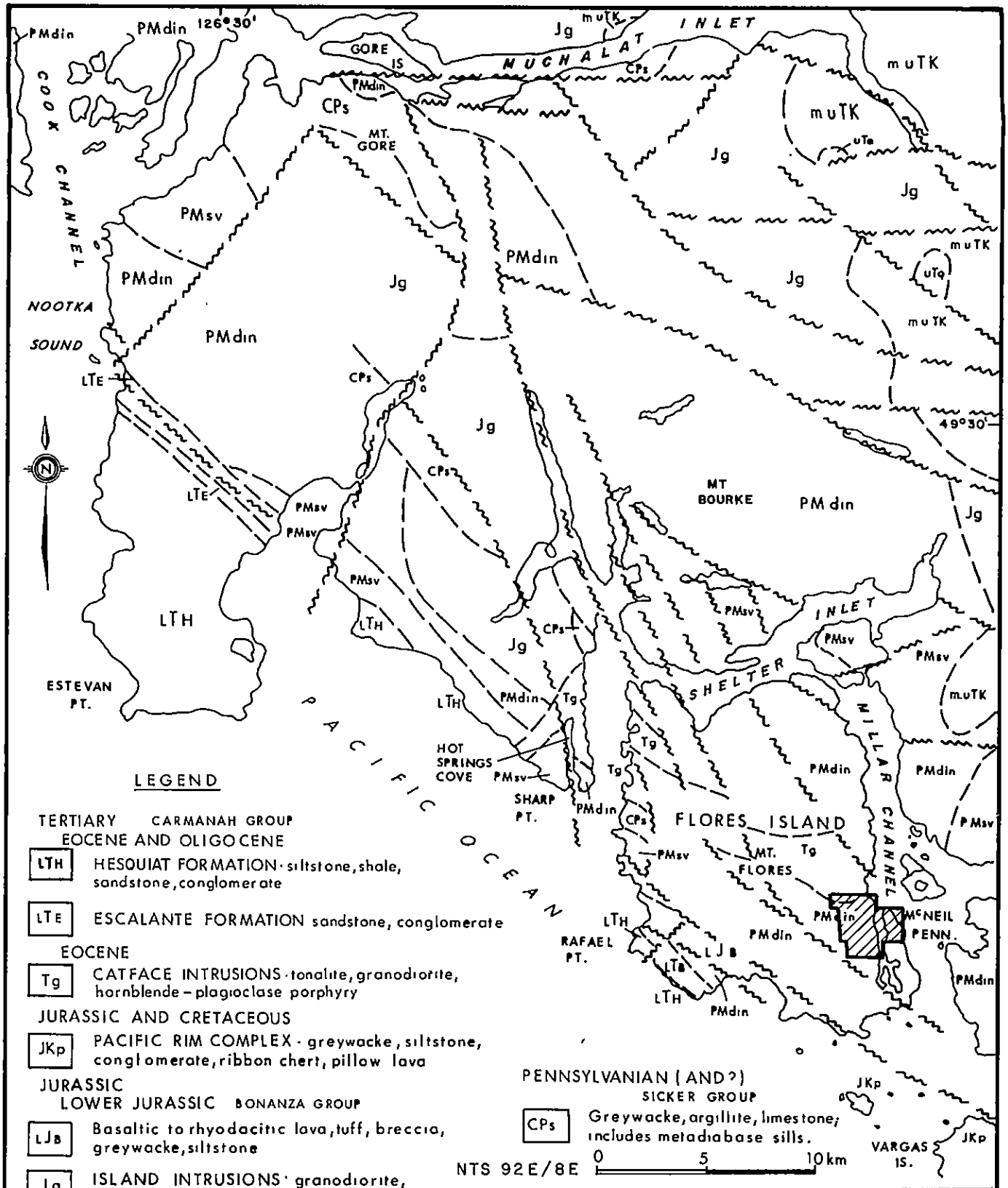
4.1 Sicker Group

Muller (1980a) proposed the following subdivision of the Sicker Group, from oldest to youngest: Nitinat Formation, Myra Formation, Sediment-Sill Unit, and Buttle Lake Formation.

In the Nootka Sound map area, the Sicker Group is represented by metamorphosed clastic sediments in roof pendants along the Muchalat Batholith. It is difficult to determine the total thickness of the Sicker Group here because of intrusive contacts, but it is estimated to be between 300 and 600 m (Muller, Cameron, Northcote, 1981). Sicker Group rocks are generally in intrusive contact with granitoid rock and commonly interlayered with metabasaltic rocks. These metabasalts are perhaps sills that were emplaced later, possibly in conjunction with the eruption of Karmutsen Formation lavas.

The sills in the roof pendant areas of Muchalat Batholith are massive greenish black, fine to medium-grained amphibolite. Thin sections commonly show relict diabasic texture.

In Late Triassic time, the sediments were intruded by diabase sills comagmatic with Karmutsen Formation volcanics, and minor thermal metamorphism occurred.



LEGEND

TERTIARY CARMANAH GROUP
EOCENE AND OLIGOCENE

LTH — HESQUIAT FORMATION: siltstone, shale, sandstone, conglomerate

LTE — ESCALANTE FORMATION sandstone, conglomerate

EOCENE

Tg — CATFACE INTRUSIONS: tonalite, granodiorite, hornblende–plagioclase porphyry

JURASSIC AND CRETACEOUS

JKp — PACIFIC RIM COMPLEX: greywacke, siltstone, conglomerate, ribbon chert, pillow lava

JURASSIC
LOWER JURASSIC BONANZA GROUP

LJB — Basaltic to rhyodacitic lava, tuff, breccia, greywacke, siltstone

Jg — ISLAND INTRUSIONS: granodiorite, quartz diorite, granite

PALEOZOIC AND MESOZOIC

PMsv / PMdin — WESTCOAST COMPLEX: PMsv, actinolite schist, amphibolite, metasediments; PMdin, quartz diorite, tonalite, agmatite, gneiss, amphibolite

TRIASSIC
(MIDDLE ?AND) UPPER TRIASSIC VANCOUVER GROUP

uTq — QUATSINO FORMATION: limestone

muTK — KARMUTSEN FORMATION: pillowed and layered basalt, aquagene tuff, breccia

PENNSYLVANIAN (AND?)
SICKER GROUP

CPs — Greywacke, argillite, limestone; includes metadiabase sills.

NTS 92E/8E

0 5 10 km

Reference: Muller, Cameron, Northcote; 1981 map 1537 A

PARALLAX DEVELOPMENT CORPORATION

REGIONAL GEOLOGY MAP

CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	H.E.
Scale:	1 : 250 000	Drawn:	J.S.
Drawing No	3	Date:	FEBRUARY 1988

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The **Nitinat Formation** consists predominantly of mafic volcanic rocks, most commonly flow-breccias or agglomerates including some massive flows, and rare pillow basalts. Locally, medium-grained, generally massive basaltic tuff is interbedded with the flows. The flow-breccia is composed of fragments of basalt up to 30 cm in length containing phenocrysts of uralitized pyroxene as well as amygdules, both from 1 mm to more than 1 cm in size, in a matrix of finer-grained, similar basalt(?). Thin sections show pale green amphibole (uralite) is replacing clinopyroxene. Uralitized gabbroic to dioritic rocks underlie and intrude the volcanics and are believed to represent feeder dykes, sills, and magma chambers to the volcanics. The Nitinat Formation may be distinguished from the similar Karmutsen Formation by the abundance of uralite phenocrysts, a usual lack of pillow basalts, lack of dallasite alteration between pillows (characteristic of the Karmutsen Formation), locally pervasive foliation, and lower greenschist or higher metamorphic grade. However, in some areas the distinction is still difficult, in which case whole rock analyses may be useful.

The **Myra Formation** overlies the Nitinat Formation, possibly with minor unconformity. In the Nitinat-Cameron River area the Myra Formation is made up of a lower massive to widely banded basaltic tuff and breccia unit, a middle thinly banded albite-trachyte tuff and agrillite unit, and an upper thick bedded, medium-grained albite-trachyte tuff and breccia unit. In the lower unit, crudely layered mottled maroon and green volcaniclastic greywacke, grit and breccia are succeeded by beds of massive, medium-grained dark tuff up to 20 m thick interlayered with thin band of alternating light and dark, fine-grained tuff with local fine to coarse breccias containing fragments of Nitinat Formation volcanics. The middle unit comprises a sequence of thinly interbedded, light feldspathic tuff (albite trachyte or keratophyre composition) and dark marine argillite which has the appearance

of a graded greywacke to argillite turbidite sequence. In the upper part of the middle unit, sections of thickly bedded to massive black argillite occur. The upper unit contains fine and course crystal tuffs in layers up to 10 m thick with local rip-up clasts and slabs of argillite up to 1 m in length as well as synsedimentary breccias of light coloured volcanic and chert fragments in a matrix of black argillite.

The type locality of the Myra Formation is Myra Creek, at the south end of Buttle Lake, about 70 km northwest of Port Alberni, and 46 km northeast of Flores Island. Volcaniclastic rocks consisting dominantly of rhyodacitic or rhyolitic tuff, lapilli tuff, breccia, and some quartz porphyry and minor mafic flows and argillite (Upper Myra Formation) are host to Westmin Resources Ltd.'s Myra, Lynx, Price, and H-W massive sulphide (Cu-Zn-Pb-Au-Ag-Cd) deposits.

The **Sediment-Sill Unit** is transitional between the Myra and Buttle Lake Formations. The upper and lower contacts are poorly defined. Thin bedded, turbidite-like, much silicified or cherty massive argillite and siltstone are interlayered with diabasic sills. The sediments show conspicuous dark and light banding on joint surfaces. The sills consists of a fine-grained, greenish black matrix containing feldspar phenocrysts up to more than 1 cm, commonly clustered in rosettes up to few centimetres in diameter, producing a very distinctive "flower porphyry" appearance. Subophitic texture may also be visible in hand specimen. The sediments are dated as Mississippian in age whereas the sills are believed to represent feeders to Triassic Karmutsen volcanics.

The **Buttle Lake Formation** consists of a basal green and maroon tuff and/or breccia overlain by coarse-grained crinoidal and calcarenitic limestone, fine-grained limestone with chert nodules and some dolomitic limestone. Lesser amounts of argillite, siltstone, greywacke, or chert my also be present.

The Buttle Lake Formation is up to 466 m thick and, on the basis of fossil dating, appears to be Middle Pennsylvanian, but may be as young as Early Permian (Muller, 1980a). This has been confirmed by recent dating work by Brandon and others (1986), including isotopic as well as conodont ages, wich indicates that rocks of the Buttle Lake Formation are early Middle Pennsylvanian (Atokan) through Early Permian (probably Sakmarian) in age.

4.2 Vancouver Group

The **Karmutsen Formation** volcanic rocks unconformably to paraconformably overlie the Buttle Lake Formation limestone to form the base of the Vancouver Group. They are the thickest and most widespread rocks on Vancouver Island. The formation consists mainly of dark grey to black, or dark green, tholeiitic pillow basalt, massive basalt, and pillow breccia. Flows are commonly aphanitic, feldspar prophyritic, and amygdaloidal. Pillow lavas generally occur toward the base of the section.

To the east of Flores Island, the Karmutsen Formation forms high peaks and mountain ranges, several of which form roof pendants within the Muchalat Batholith. Karmutsen Formation rocks are generally relatively udeformed compared to Sicker Group rocks and are dated Upper Triassic and older.

The Upper Triassic sediments (mainly limestone) of the **Quatsino Formation** are found to the north and east of Flores Island at the head of Tahsis Inlet and are truncated by the Muchalat Batholith. Most of the economic skarn deposits on Vancouver Island are hosted by Quatsino Formation limestone. Neither the Karmutsen nor the Quatsino Formations of the Vancouver Group appear to be exposed on Flores Island.

4.3 Westcoast Complex

The **Westcoast Complex** comprises a variety of plutonic and metamorphic basic crystalline rocks including amphibolite, diorite, and quartz diorite with homogeneous, agmatitic or gneissic textures. Metamorphosed Karmutsen Formation and/or Sicker Group rocks grade locally into the complex and are believed to be its protolith, having undergone migmatization in Early Jurassic time. The mobilized granitoid portion of the complex is believed to be the source of the Island Intrusions and, indirectly, the Bonanza Group volcanics (Muller, 1981, 1982). Small bodies of recrystallized limestone found within the complex are believed to be derived mainly from the Quatsino Formation, and to a lesser extent from the Buttle Lake Formation.

Isachsen (1984) reinterpreted the Westcoast Complex as a mixture of Jurassic intrusives and metamorphosed Karmutsen Formation/ Sicker Group rocks. The intrusive component of the Complex (Westcoast Diorite) varies in composition from trondjhemite to gabbro and is believed to be derived from the mantle rather than Paleozoic/Mesozoic rocks. Consistent U-Pb isotopic dates of 176-189 Ma have been obtained. The Westcoast Diorite intruded the pre-existing Sicker and Karmutsen rocks, which were contemporaneously metamorphosed into the Westcoast Amphibolite.

The Westcoast Amphibolite is locally intimately mixed with Westcoast Diorite, producing Westcoast Migmatite. The Island Intrusions and Bonanza Group are considered to be higher level comagmatic differentiates of the Westcoast Diorite.

On western Vancouver Island, the Westcoast Complex extends from Nuchatlitz Inlet south across Bligh and Flores Islands. The amphibolite unit consists of foliated metavolcanic rocks (flows, basaltic dykes, and sills) and metasediments (bedded to massive partly silicified carbonates and pelites). These low grade amphobolites exhibit local, generally northwest-trending, isoclinal folds (Muller, et al, 1981).

4.4 Island Intrusions

Island Intrusions make up batholithic granodioritic and granitic rocks, which along with migmatites, quartz diorites and tonalites of the Westcoast Complex, comprise about 50% of exposed rocks in the Nootka Sound map area (Muller, et al, 1981). Island Intrusions are widely exposed in the area to the northwest of Flores Island but have not been mapped on the island itself. These intrusions have been assigned a Middle to Upper Jurassic age.

4.5 Bonanza Group

The **Bonanza Group** stratigraphy varies considerably in a horizontal and lateral sense, as it represents parts of several different eruptive centres of a volcanic arc. Basaltic, rhyolitic, and lesser andesitic and dacitic lava, tuff, and breccia with intercalated beds and sequences of marine argillite and greywacke make up the Bonanza Group. The Bonanza Group volcanics are considered to be early extrusive equivalents of the Island Intrusions and therefore of Early Jurassic age. Bonanza Group volcanics are shown to be in fault contact with Westcoast Complex amphibolites on the southwest corner of Flores Island.

4.6 Catface Intrusions

Early Tertiary intrusive stocks composed mainly of quartz diorite are common on Vancouver Island. In the Nootka Sound map area they are generally southwest trending, cutting Jurassic and older rocks. K-Ar dating is almost essential to differentiate between certain intrusives as lithologies are similar. On Flores Island, the Tertiary intrusives form a 1.5 km wide belt through the middle of the island (Muller, et al, 1981), intruding amphibolites of the Westcoast Complex.

4.7 Carmanah Group

Tertiary sediments of the Carmanah Group have been mapped on the southwest coast of Vancouver Island. Included in the Carmanah Group are the Escalante, Hesquiat and Sooke Formations.

The **Escalante Formation** is exposed from Flores Island to Tatchu Point to the northwest, and is composed of mainly sandstone and relatively minor conglomerate. Rocks of this formation are discontinuously exposed on Flores Island and typically contain little if any conglomerate within sandstone (50 m thick) (Muller, et al, 1981).

The **Hesquiat Formation**, striking northwesterly with a shallow southwest dip, underlies the coast and lowlands of Flores Island, as well as almost the entire Hesquiat Peninsula, about 15 km northwest of Flores Island. Sequences of clastic rocks are composed of either mainly shale, or of alternating shale and sandstone/conglomerate units, that overlie the Escalante Formation or are on a pre-Tertiary unconformity.

4.8 Structure

In general the structure of the Flores Island area is the result of block faulting. Bonanza and Island Intrusion rocks are affected mainly by northerly and westerly trending faults. In the coastal areas, rocks are cut by predominantly northwesterly and, less importantly, northeasterly trending faults. Steep faults may have vertical as well as transcurrent offsets that are difficult to determine due to lack of marker beds. However, faulting is shown to be widespread in the entire area based on supporting evidence of faulting in Tertiary sediments (Muller, et al, 1981). Young hydrothermal activity along structural trends

is indicated by active hot springs, one at the southern end of Matilda Inlet (on a N-S structure), and the more well-known one at Hot Springs Cove, northwest of Flores Island, also on a N-S structure.

4.9 Economic Setting

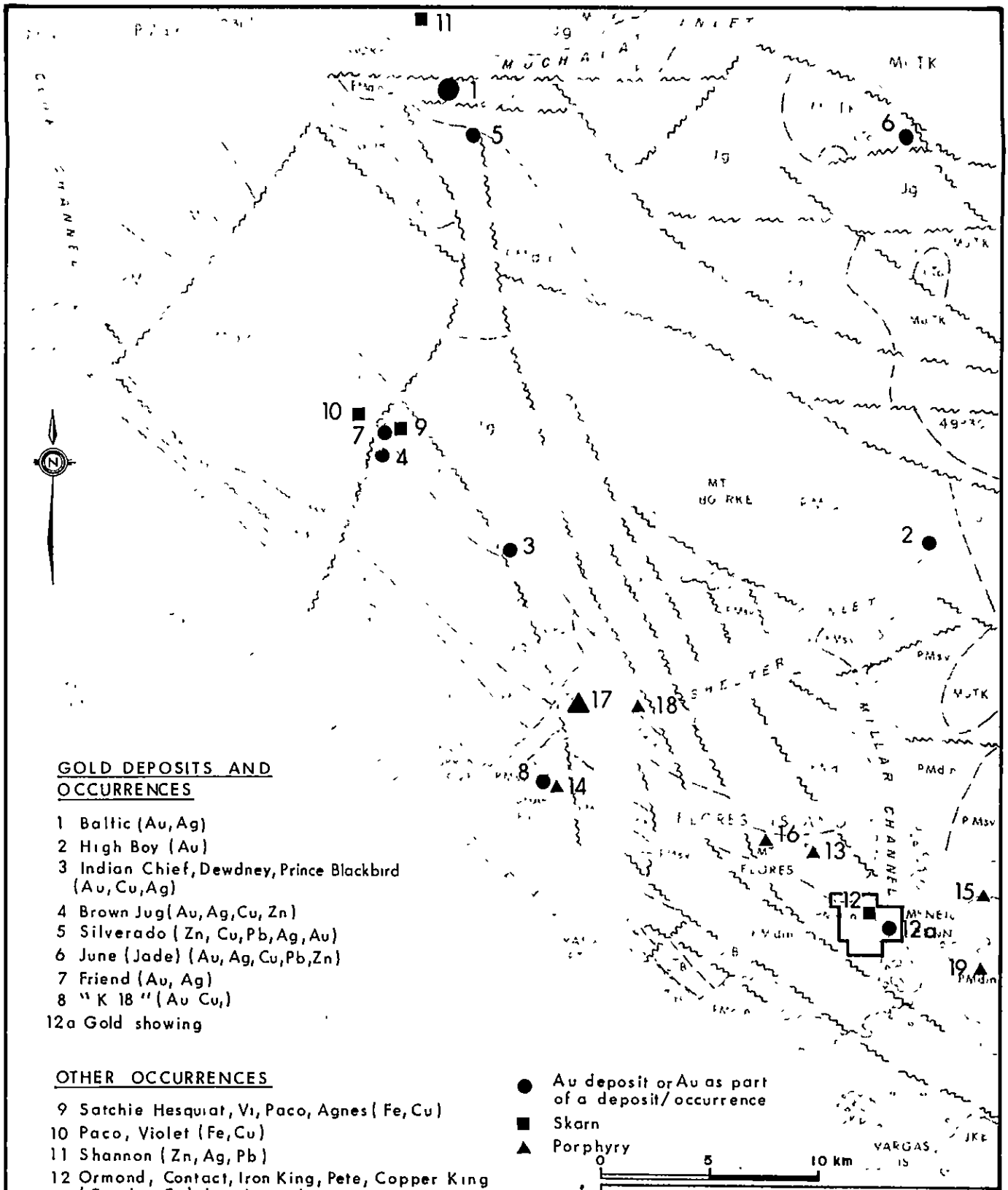
This section is based on information provided by Muller, Cameron, Northcote (1981).

Contact metasomatic (skarn) deposits, veins and shear zones, and porphyry deposits constitute the major metalliferous deposits in the vicinity of Flores Island. High to moderate mineral potential approximately coincides with areas where Quatsino Formation, Bonanza Formation and Sicker Group rocks are cut by Island Intrusions. Moderate potential for mineralization corresponds to areas underlain by Bonanza Formation volcanics and Catface Tertiary Intrusions.

Iron and copper skarns are promising targets where Island Intrusions intrude Vancouver Group rocks or in the roof pendants of Sicker Group metasediments surrounded by Island Intrusions and Westcoast Complex rocks. Two such properties exist, and have reported limited production. The Glengarry, located at the head of Head Bay, milled 56,700 tonnes of ore which produced 22,680 tonnes of magnetite concentrate. The Indian Chief on Stewartson Inlet shipped 73,600 tonnes yielding 1,102,360 kg of Cu, 22,456 g of Au, and 1,707,400 of Ag.

Tertiary pluton-associated copper and molybdenum occurrences found on Flores Island have only had low copper and molybdenum assays but otherwise have many similarities to the Catface

porphyry copper (molybdenum) deposit a few kilometres to the east. A thorough description of mineral occurrences in the vicinity of Flores Island is provided in Hawkins (1987). Mineral occurrences in the Flores Island area are shown in Figure 4.



GOLD DEPOSITS AND OCCURRENCES

1 Baltic (Au, Ag)
2 High Boy (Au)
3 Indian Chief, Dewdney, Prince Blackbird (Au, Cu, Ag)
4 Brown Jug (Au, Ag, Cu, Zn)
5 Silverado (Zn, Cu, Pb, Ag, Au)
6 June (Jade) (Au, Ag, Cu, Pb, Zn)
7 Friend (Au, Ag)
8 "K 18" (Au Cu,)
12a Gold showing

OTHER OCCURRENCES

9 Satchie Hesquiat, Vi, Paco, Agnes (Fe, Cu)
10 Paco, Violet (Fe, Cu)
11 Shannon (Zn, Ag, Pb)
12 Ormond, Contact, Iron King, Pete, Copper King (Cu, Ag, Fe) bearing vein
13 "JR" (Cu, Mo)
14 "K-15" (Zn, Ag)
15 "JB", "PW", "RW" (Cu)
16 Flow (Cu)
17 Sydney (Cu, Mo)
18 Bay (Cu, Mo, Ag, Tr Au)
19 Catface Copper (Cu)

● Au deposit or Au as part of a deposit/occurrence
■ Skarn
▲ Porphyry

Note: Large symbols— former production
Reference: Muller, Cameron, Northcote (1981), Carson (1969)

NTS 92E/8E

PARALLAX DEVELOPMENT CORPORATION

MINERAL OCCURRENCE MAP

CONTACT AU PROJECT
FLORES ISLAND, B. C.
ALBERNI M.D.

Project No:	V 248	By:	H. E
Scale:	1 : 250 000	Drawn:	J. S.
Drawing No	4	Date:	FEBRUARY 1988

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5.0 PHASE I AND II EXPLORATION

Detailed mapping at a scale of 1:2000, prospecting and rock sampling were carried out over the Contact 1, 2, and 3 claims from October 22 to November 20, 1987. Mapping covered approximately 97.0 ha (just under 1 km^2). On the McNeil Peninsula, (Contact 1 and Au claims) the west shoreline was mapped between L0+00 and L13+00N. Approximately 7.2 ha were mapped at a scale of 1:5000. Grab samples were collected from outcrops, old trenches, adits and showings which contained sulphides, interesting alteration and/or silicification. Trenches and old workings in the Main Grid area are shown in Figure 5; a property plan and general geology at a scale of 1:5000 in Figure 6. Figure 7 is a plan (at 1:2000) of the geology in the Main Grid area, Contact 1 claim with location of rock samples and several of the old workings including adits, trenches and showings. This map also shows selected results of anomalous elements. Rock and drillcore samples collected on the Contact Au property were analyzed for Au by Rossbacher Laboratory, as well as for 30 elements by ICP, by Acme and Min-En Laboratories. Rock sample descriptions for 89 rocks and selected results are in Appendix II; certificates of analyses are in Appendix III; and drill logs in Appendix IV.

5.1 Property Geology

In the area of central Contact 1 claim, McNeil Peninsula, and northwest Contact 2 claim, metamorphosed (foliated in places) Mesozoic and Upper Paleozoic volcanic and volcaniclastic rocks of the Westcoast Complex (Unit 1) occur. These include feldspar porphyritic mafic volcanics, metamorphosed tuffs, units with granular texture, and siliceous and epidote alteration. These metamorphosed units resemble the Sediment-Sill Unit of the Sicker Group, which is crosscut and interlayered with diabasic sills.

These diabasic rocks are probably coarse-grained equivalents of basalt which may represent feeders of Karmutsen Formation volcanics. Epidote and ankerite(?) altered agmatite may include recrystallized portions of Westcoast Complex after metamorphism.

On the Main Grid area, fine-grained dark andesite (or basalt) occurs to the northeast of the baseline. The andesitic rocks are mafic rich (with hornblende) and vary from black aphanitic to porphyritic texture. In the porphyritic phase small plagioclase phenocrysts (1.0 to 3.0 mm) occur in crudely aligned layers. The andesite is predominantly massive with near vertical jointing of various trends. Locally, especially in the northeast portion of the grid, the andesite is foliated with an easterly trend. The andesite is generally unmineralized with little or no pyrite outside the skarn zones.

Intermediate Intrusives (Unit 3) truncate rocks of the Westcoast Complex on the southeast, on Contact 3 claim and on the northeast on Contact 2 claim. Although regional mapping by Muller, Northcote and Cameron (1981) has not located Jurassic Intrusions on Flores Island, there is a strong possibility that some of the quartz diorite, diorite and granodiorite mapped as the Tertiary Catface Intrusions may be, at least in part, Island Intrusions of Jurassic age. Potassium-argon dating is necessary to differentiate these units with certainty due to their lithologic similarities.

Two sets of joints are evident, with orientations striking north-northwest with a steep northeasterly dip and at north-northeast with a steep southeasterly dip. Foliations trend south-southeast/north-northwest in general.

At the southeast end of the Main Grid area (L3+00S, 3+00W) there are outcrops of a zone of crudely banded, fine-grained, white to buff-coloured, cherty felsic tuff. Contacts with the mafic volcanics were not observed and the relationship to the andesite was not determined.

To the west and southwest occurs a medium-grained, dark grey and white-speckled phaneritic rock described as diorite. Andesite inclusions were found in the diorite (L2+00N, 0+80E). The contact is irregular but generally follows the baseline along a northeasterly trend. Near the contact between the diorite and the volcanic sequence, fine-grained andesite is altered to a light-coloured epidote and quartz-rich hornfels.

Near the contact with the diorite but entirely within the volcanic sequence are three areas of massiye magnetite skarn. The skarn is mainly monomineralic (magnetite) but locally the skarn contains varying amounts of epidote, diopside and sulphides. Locally the sulphides occur as small massive pods within the skarn. These skarn zones are the most favourable areas for gold mineralization.

Across Matilda Inlet, similar rocks are found. However, the porphyritic rocks mapped along the west shoreline of McNeil Peninsula are gneissic and are intercalated with fine-grained black volcanic rocks and are described as migmatites. Epidote veining is common in the andesites.

5.2 Mineralization

Contact metasomatic (skarn) and lesser but significant vein type mineralization exists on the property. A general inspection of the location of showings, old workings, and trenches clearly shows the association of mineralization with contact zones between the Tertiary and/or Jurassic dioritic intrusions and metamorphosed Sicker Group(?) rocks of the Westcoast Complex. Rock sample descriptions and certificates of analyses are included in Appendices II and III respectively.

The skarn zones consist of discordant pods of epidote and garnet-altered basic volcanic rock replaced by massive magnetite, pyrite, pyrrhotite, and locally chalcopyrite. In some areas and in the drill core arsenopyrite can be seen. There is a positive association between gold and arsenic content, as well as between gold and copper content.

A comprehensive program of rock sampling was completed in 1986 (Hawkins, 1987). Rock samples collected this year were used to correlate previous sampling and test areas, with less apparent visible mineralization.

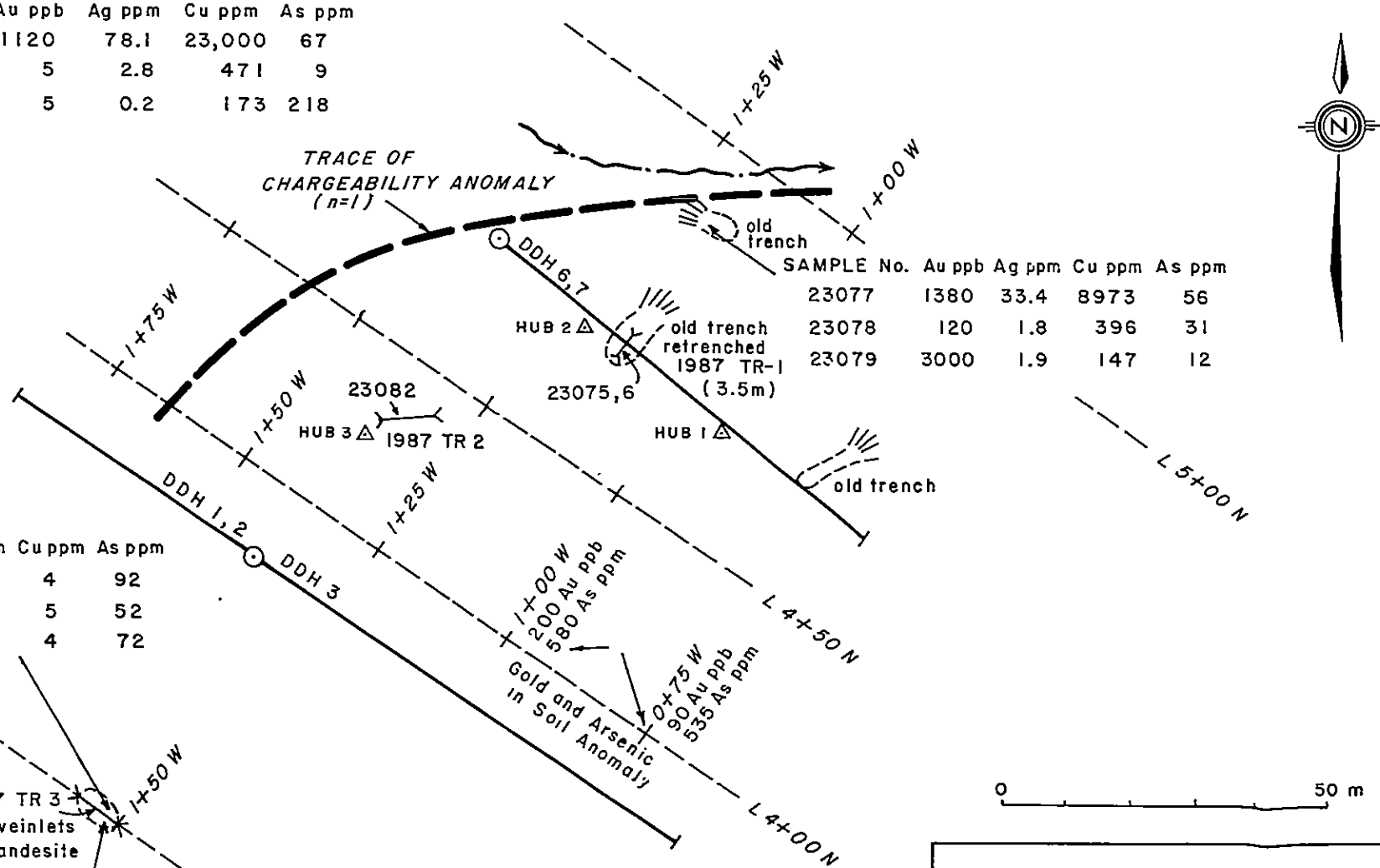
Lithogeochemical results from the Main Grid area indicate an area with high gold concentrations and associated silver and copper mineralization between 4+60 and 4+90N, around 1+20W (near drill-holes 88-6 and 7), and an area with high zinc concentrations around L1+00S, 2+00 to 3+00W (Figures 5, 7).

Highest values from grab samples in the first area are 7400 ppb Au, 242.1 g/t Ag, 7.70% Cu, 16 ppm Pb, 2620 ppm Zn, and 83 ppm As (sample 22703). Trenches in this area also yielded chip samples of 1120 ppb Au, 78.2 g/t Ag, 2.24% Cu, 625 ppm Zn over 3.5 m (sample 23705, 4+68N, 1+15W); 1380 ppb Au, 34.3 g/t Ag, 0.96% Cu, 360 ppm Zn over 1.0 m (sample 23077, 4+89N, 1+12W); and 3000 ppb Au, 1.9 ppm Ag over 0.6 m (sample 23079).

Results from the second area, where a massive magnetite skarn occurs between 2+25W and 2+80W on L1+00S, indicate lower gold but higher zinc values.

Three grab samples from L1+00S (1397, 22749, and 23090) ranged from 5 to 40 ppb Au, 5.1 ppm to 78.2 g/t Ag, 1035 ppm to 1.10% Cu, 83 to 186 ppm Pb, 1.48 to 4.16% Zn, and 40 to 226 ppm As. A 2 m chip sample (23089) yielded 20 ppb Au, 120.0 g/t Ag, 2.00% Cu, 256 ppm Pb, 2.52% Zn, 160 ppm As.

SAMPLE No.	Au ppb	Ag ppm	Cu ppm	As ppm
23075	1120	78.1	23,000	67
23076	5	2.8	471	9
23082	5	0.2	173	218



SAMPLE No.	Au ppb	Ag ppm	Cu ppm	As ppm
23077	1380	33.4	8973	56
23078	120	1.8	396	31
23079	3000	1.9	147	12

SAMPLE No	Au ppb	Ag ppm	Cu ppm	As ppm
23072	5	0.3	4	92
23073	5	0.1	5	52
23074	5	0.2	4	72

SAMPLE No.	Au ppb	Ag ppm	Cu ppm	As ppm
23065	5	0.1	17	144
23068	5	0.8	21	543
23070	5	0.2	13	17
23071	5	1.1	325	140

PARALLAX DEVELOPMENT CORPORATION

TRENCHES AND OLD WORKINGS
DDH 1, 2, 3, 6 & 7 AREA
CONTACT AU PROJECT
FLORES ISLAND, B. C.
ALBERNI M.D.

Project No.	V 248	By:	V R H
Scale:	1:1000	Drawn:	D. Miller
Drawing No.	5	Date:	FEBRUARY 1988

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Rock samples from between the two areas also yielded anomalous values.

An area at L2N, 4+75W, where a soil sample yielded 147,000 ppb Au, was trenched. The exposed underlying bedrock is epidote-altered andesite with veins and blebs of magnetite. Two pieces of angular float containing massive sulphides were found. However, the bedrock source of the massive sulphides was not determined. A grab sample of angular massive sulphide float found in the trench (sample 1396) yielded 2020 ppb Au, 331.3 ppm Ag, 233 As, 79 ppm Pb, 1294 ppm Zn; with check assays 713.1 g/t (20.80 oz/ton) Ag, 26.24% Cu.

At 0+70N, 0+00 (on the baseline), a grab sample of an altered volcanic rock (light-coloured with quartz-epidote alteration) with a visible grey sulphide (probably arsenopyrite) yielded 3.46 g/t Au, 0.2 ppm Ag, and 60,939 ppm As (sample 23081).

On McNeil Peninsula, previous work outlined several veins and veinlets occurring over a 35 m interval of Westcoast complex rocks which are epidote-altered. Gold concentrations from these veins are extremely anomalous with values up to 14.00 g/t (0.408 oz/ton) and 600.00 g/t (17.500 oz/ton) (Hawkins, 1987).

During this year's program (1987-88), a sample (23087), collected several metres north along the shore from a point where an old skid trail intersects the beach, returned a value of 320 ppb Au, 8.2 ppm Ag, 2195 ppm Cu, 418 ppm As and 224 ppm Co. Sample 23087 represents a 1 m wide chip sample across a quartz-filled shear containing blebs of pyrite. Another sample on McNeil Peninsula, at 3+90N, 0+28W in a sheared rusty andesite, yielded 260 ppb Au and 2572 ppm As.

Sample 21F, from a quartz vein on the McNeil Peninsula, yielded 41.76 g/t (1.218 oz/ton) Au, 65.83 g/t (1.92 oz/ton) Ag, 578 ppm Cu, 2.46% Pb, 9456 ppm Zn, and 29,826 ppm As.

5.3 Trenching

During the course of the 1987 program, a blaster and one to three assistants were employed to cut out four drill pads for the drill rig. The crew was used to advantage to blast out seven trenches over the property. The hand trenching was accomplished using a "Punjar" (gasoline operated, hand-held rock drill) to drill blast holes. The holes were then loaded with 40% Forcite and then blasted open. The freshly exposed surfaces were then chip sampled.

The first trench (Trench 1) near 4+68N, 1+15W (Figure 5) was primarily designed to "clean out" an older trench to determine the extent of high grade magnetite and sulphide mineralization. The high grade mineralization appeared to be pod-like and the trend of mineralization could not be determined with any certainty. The high grade mineralization and the adjacent wall rock were sampled separately (samples 23075 and 23076). Sample 23075 yielded 1120 ppb Au, 78.1 ppm Ag, 23,000 ppm Cu, and 67 ppm As over 3.5 m (Figures 5, 34).

A zone of epidote-altered rock at 4+30N, 1+40W (Trench 2) was blasted open for a distance of approximately 5 m. Sample 23082 was collected from the trench and ran 5 ppb Au, 0.2 ppm Ag, 218 ppm As, and 173 ppm Cu.

At 3+50N, 1+50W (Trench 3) an outcrop of green altered andesite cut by numerous magnetite veinlets was found. An 8 m trench was cut into the rock and several samples were taken. Sample 23072 to 23074 were chip samples taken contiguously along the grid line (Az 310°); the other samples were grab samples. The results are as follows:

Sample No.	Width	Au ppb	Ag ppm	As ppm	Cu ppm
23065	-	5	0.1	144	17
23068	-	5	0.8	543	21
23070	-	5	0.2	17	13
23071	-	5	1.1	140	325
23072	2 m	5	0.3	92	4
23073	2 m	5	0.1	52	4
23074	2 m	5	0.2	72	4

At L2+00N, 4+80W a 2 m trench (Trench 4) was cut across a zone containing a highly anomalous gold-in-soil sample. The exposed bedrock was sampled, and results are as follows:

Sample No.	Au ppb	Ag ppm	As ppm	Cu ppm
23085 (SW side of trench)	40	1.7	88	112
23086 (NE side of trench)	5	0.4	144	35
1395	5	3.6	57	862
1396	2020	713.1 g/t	233	26.24%

The mineralization exposed in the trenches is insufficient to account for the high gold value in the soil sample. Further testing is required to determine the bedrock source of the anomaly.

A series of trenches was cut across a large area of massive magnetite skarn and stringer sulphides near L1S, 2+75W. Near this area an old adit was driven southeasterly into the steep bluff. A trench (Trench 5) was cut to the southeast of the adit opening and a sample (23090) was collected which ran 5 ppb Au, 5.1 ppm Ag, 174 ppm As, 1035 ppm Cu, and 16,455 ppm Zn. Above the adit a trench (Trench 6) was cut into the bedrock to expose a fresh surface. Two samples (20987 and 23091) were collected and yielded 5 ppb Au, 8.2 ppm Ag, 418 ppm As, 999 Cu; and 5 ppb Au, 4.0 ppm Ag, 1265 ppm As, 656 ppm Cu and 3569 ppm Zn, respectively.

At L1+00S, 2+20W a 2 m trench (Trench 7) was cut across a contact zone between the magnetite skarn and the fine-grained, dark grey andesite. The magnetite skarn contained stringers of pyrite and minor bornite. A 2 m chip sample (23089) was taken in the magnetite up to the contact. The sample yielded 20 ppb Au, 120.0 ppm Ag, 160 ppm As, 17304 ppm Cu, 256 ppm Pb, and 20,333 ppm Zn.

5.4 Soil Geochemistry

During the 1986-87 field season, 3.075 line-km of soil sampling at 25 m intervals along a flagged grid produced 129 geochemical soil samples (Hawkins, 1987). This grid follows a northeasterly baseline for 200 m (0+00 to 7+00N) with crosslines at 100 m intervals. This grid was subsequently cut out in 1987 and extended southwesterly to L4+00S. The cross lines were cut to 5+00W and 3+00E. L1+00N was further extended to 6+50W. L2+00 to L4+00N were also extended to 9+00W. The 1987 grid totaled 8.430 line-km plus 400 m of baseline extension. The extended grid was also sampled at 25 m intervals, producing 353 geochemical soil samples collected from the 'B' horizon. Of the 353 samples collected in 1987, 22 were replicate samples from sites sampled in 1986. A total of 460 sites was sampled in 1986 and 1987. All geochemical soil samples were analysed for Au at Rossbacher Laboratory and 30 element ICP at Acme Laboratories. The laboratory procedure is included in Appendix III.

Soil geochemical results are plotted in Figures 8 (Au, As), 9 (Pb, Zn) and 10 (Cu, Ag). These elements were plotted in pairs as they appear to be geochemically related. The 1986 and 1987 data populations were merged. A statistical analysis of the geochemical values was used to calculate the mean and standard deviation of the sample population. Background values (mean) were established and anomalous values were defined as the mean plus two standard deviations.

Gold concentrations range from 5 to 90,000 ppb (147,000 ppb for replicate sample) with anomalous values greater than 50 ppb. The highest gold value came from L2+00N, 4+75W (90,000 ppb). The 1986 sampling returned anomalous gold values centered about L4+00N, 1+00W. Intermediate lines (L3+50N and L4+50N) supported the anomaly, returning anomalous values of 120 ppb Au at 3+50N, 0+75E; 100 ppb Au at 50E; 160 ppb Au at 0+00E; 130 ppb Au at 0+25W (all on L3+50N). At L4+50N, 0+50W a sample returned 120 ppb Au.

An anomalous zone has been outlined along L1+00S with a sample value of 400 ppb Au (610 ppm As) at 1+50W, and 60 ppb Au and 100 ppb Au at 3+00W and 2+35W, respectively. These samples are also anomalous in arsenic.

The arsenic values range from 2 ppm to 3045 ppm. Background and anomalous values were calculated at 176 ppm and 318 ppm, respectively. The highest concentration (3045 ppm) is located at L1+00S, 3+00W. Anomalous values are clustered about L4+00N, 100W and 75W, outlining an area roughly 150 m wide and 200 m long (L3+00N to 5+00N) to the northeast of the baseline. A second quadrant of the grid area. The anomaly is strongest on L1+00S, 3+00W and extends southeasterly to L2+00S and L3+00S approximately between 3+00W and 4+00W. The zone is roughly 400 m long and 125 to 150 m wide. A roughly parallel anomalous zone occurs 75 to 100 to the southeast. This zone is an arcuate zone extending from L3+00S, 0+75W to L0+00, 0+50W.

Lead values range from less than 2 ppm to 187 ppm and zinc concentrations range from 1 ppm to 953 ppm. Background and anomalous values for lead are 11 ppm and 33 ppm, and 22 ppm and 71 ppm for zinc. The highest lead values is coincident with the highest zinc value at L1+00S, 3+00W. Two anomalous areas in the southwest quadrant (L1+00S, 3+00W) and the north quadrant (L3+50N and 4+50N between 0+00E and 1+50W) correspond very well with the arsenic anomaly outlined in these areas.

Copper values range between 1 and 799 ppm and silver values range from less than 0.2 ppm to 24.9 ppm. The highest copper value (799 ppm) occurs on L1+00S, 3+00W and is coincident with the arsenic anomaly mentioned above. The highest silver value occurs at L2+00N, 4+75W and coincides with the extremely high gold value (90,000 ppb Au). Copper and silver anomalies are closely coincident with arsenic anomalies and indicate two main anomalous zones: between L3+00N and 5+00N, 0+00E to 2+00E; and between L1+00S and L4+00S, 1+00W to 3+50W.

Of the elements not plotted and contoured, highest concentrations were returned for Co (837 ppm) at L1+00S, 3+50W; Cr (106 ppm) at L1+00N, 4+00W; and Mo (35 ppm) at 3+00N, 2+75E.

On the McNeil Peninsula, 54 geochemical soil samples were collected along three old grid lines (L3N, 4N and 8N). A total of 1.275 line-km was cut and sampled at 25 m intervals. Only a small portion of the grid was sampled (the lines were primarily run for a reconnaissance induced polarization survey). The results are plotted on Figures 11 to 13. Due to the incomplete nature of the data, the results were not contoured. A statistical analysis was done only for arsenic, and background and anomalous values were determined at 13.5 ppm and 58 ppm respectively. Highly anomalous arsenic values occur on L3+00N, 0+75E and 1+00E (238 ppm and 1707 ppm) and L4+00N between 0+50W and 0+00E (592 ppm, 1152 ppm, and 340 ppm). High gold values occur at L3+00N, 1+00E (370 ppb) and on L8+00N at 1+25E (460 ppb).

In conclusion, on the Main Grid the major soil anomalies are coincident with magnetite skarn zones containing significant amount of sulphides. Gold values occur with arsenopyrite and chalcopyrite.

5.5 Diamond Drilling

Between January 14, 1988 and February 15, 1988 a total of 894.0 m of BQ core drilling was completed in 10 holes from 5 drill locations on the Contact Au property. The holes are summarized as follows:

CORE IS STORED AT MPH FACILITIES IN PORT ALBERNI

Hole No.	Azimuth/ Plunge	Collar Elev. ASL	Coordinates	Depth (m)	Date Started 1988	Date Completed 1988
1	310/-45°	100 m	388N 140W	60.1	Jan 17	Jan 19
2	310/-60°	100 m	388N 140W	63.4	Jan 20	Jan 21
3	130/-61°	100 m	388N 140W	142.6	Jan 21	Jan 24
4*	270/-45°	45 m	400N 75E	95.7	Jan 26	Jan 28
5*	270/-75°	45 m	400N 75E	69.8	Jan 28	Jan 29
6	126/-60°	75 m	473N 139W	143.0	Jan 31	Feb 3
7	126/-45°	75 m	473N 139W	24.1	Feb 3	Feb 4
8*	270/-50°	60 m	307N 135E	103.6	Feb 7	Feb 8
9*	270/-67°	60 m	307N 135E	97.8	Feb 8	Feb 10
10	310/-45°	190 m	146.4N 16E	93.9	Feb 13	Feb 13
				894.0		

* McNeil Peninsula; others on Main Grid

Note: DDH No. 7 was terminated due to deep overburden causing the casing and rods to seize in the hole.

Drillhole 1 was drilled to the northwest along the grid to test an IP anomaly running northeasterly between L3+00N and 4+00N and between 1+50W and 1+75W on the Main Grid. The hole encountered fine-grained, greenish-grey, intercalated porphyritic andesite and andesite tuff. The hole was stopped at 60.1 m in porphyritic andesite. The highest values came from a massive pyrite-biotite seam at 52.70 m; results are as follows:

Sample	Interval (m)	Length (m)	Au ppb	Ag ppm	Cu ppm	As ppm
19260	52.51-53.03	0.52	33	3.8	899	52

Drillhole 2 was drilled from the same location as Hole 1 and in the same direction (310°), but steeper (60° rather than 45°). Hole 2 was designed to intersect the same IP anomaly. The hole encountered porphyritic andesite with scattered epidote alteration. There were no significant intersections.

Drillhole 3 was drilled 180° from 1 and 2 (130°), from the same setup, to test a geochemical anomaly on L4+00N between 1+00W and 1+25W. From collar to 42.06 m the hole intersected dark grey porphyritic andesite. There appears to be no significant mineralization in this interval. The next zone, from 42.06 to 69.50 m, is a distinctive quartz-biotite porphyry with pyrite and scattered sparse chalcopyrite. The section is well altered with quartz and finely disseminated pyrite. The rock has a distinctive mauve hue and contains numerous quartz grains or "eyes" and contains between 1 and 2% pyrite as disseminations and stringers in silicified fracture fillings. The lower contact of this unit consists of an altered andesite breccia zone. Intercalated andesite breccia and porphyritic andesite occur over an interval from 69.5 to 81.0 m. Diorite with narrow andesite dykes was intersected between 81.0 and 91.35 m. A section of dark grey andesite occurs between 91.35 and 92.30 m. The hole came back into diorite at 92.30 m. The diorite contains <1% finely disseminated pyrite and epidote along fractures. Except for a narrow dyke of andesite between 134.0 and 134.5 m, the hole continued in diorite to the end of the hole at 142.5 m. No significant intersections were sampled.

Drillhole 4, located on McNeil Peninsula, was drilled to cut an IP chargeability anomaly on L4+00N between 0 and 50+00E. The hole intersected a massive magnetite zone between 8.70 and 10.85 m. The magnetite contains disseminations and stringers of pyrrhotite, pyrite, sparse chalcopyrite, and rare blebs of a grey sulphide (arsenopyrite?). Below the magnetite lies an epidote-amethyst(?)-quartz filled breccia with veinlets of pyrrhotite, pyrite and rare chalcopyrite (10.85-23.55 m). Feldspar porphyry was intersected from 23.55 to 27.40 m with a narrow andesite dyke between 25.0 to 25.85 m. A lower epidote-amethyst(?)-quartz breccia zone, mineralized with stringers of pyrite and pyrrhotite, was encountered between 27.40 and 30.10 m. The remainder of the hole alternated between short sections of feldspar porphyry (crystalline texture) and andesite (30.10-95.61 m).

The best results for hole 4 are:

Sample	Interval (m)	Length (m)	Au ppb	Ag ppm	Cu ppm	As ppm
19310	8.70-10.85	2.15	45	0.5	34	99
19312	12.85-14.85	2.00	91	1.3	21	212
19315	18.85-21.00	2.15	2	1.2	70	272
19321	29.40-30.30	0.90	4	1.7	195	66

Drillhole 5 was drilled from the same location and with the same azimuth as hole 4, but steeper (-75°) in order to intersect the mineralization encountered in hole 4. The massive magnetite zone was encountered at 8.83 to 10.20 m (poor core recovery - 18%). This magnetite zone (also encountered in hole 4) would account for the IP chargeability high. Below the magnetite zone, which dips gradually to the east, lies an amethyst(?)-quartz-epidote altered breccia mineralized with sparse streaks of pyrite, pyrrhotite and rare arsenopyrite. This zone extends from 15.60 to 28.75 m and is cut by a highly altered porphyry dyke between 15.60 and 17.20 m. As in hole 4 the remainder of hole 5 alternated between short sections of feldspar porphyry and andesite to the end of hole at 69.73 m. No significant mineralization was encountered in the lower part of this hole. The best results from hole 5 are as follows:

Sample	Interval (m)	Length (m)	Au ppb	Ag ppm	Cu ppm	As ppm
19343	12.20-14.20	2.00	725	1.9	83	1728
19346	17.20-19.20	2.00	8	1.9	99	374
19347	19.20-21.20	2.00	46	1.7	76	396

Drillhole 6 was drilled to test the downward extension of the mineralization exposed in the main showings at 4+62N, 1+20W on the Main Grid. From 3.35 to 5.12 m a highly altered, quartz-epidote breccia was encountered. A massive magnetite skarn zone with patches of epidote and blebs of pyrite was intersected between 5.12 and 7.05 m. A highly altered andesite was intersected

between 7.05 and 20.25 m. The hole progressed through porphyritic andesite to 52.30 m. A quartz-epidote breccia zone was encountered between 52.30 and 63.70 m. The drillhole continued in diorite from 63.70 to the end of the hole at 142.95 m. The magnetite mineralization encountered in the hole does not appear to be connected to the mineralization found in the showings 25 m to the southeast and must be a new zone. The best results from hole 6, included in a section averaging 0.28 g/t (0.008 oz/ton) Au over 13.7 m, are:

Sample	Interval (m)	Length (m)	Au ppb [g/t] (oz/ton)	Ag ppm	Cu ppm	As ppm
19361	5.12- 7.05	1.93	975 [1.19] (0.035)	6.7	1279	24
19364	11.05-17.05	6.00	174	2.6	613	3

Drillhole 7 was drilled from the same location and with the same azimuth as hole 6. Hole 7 was drilled at a more shallow angle (-45°) with the intention of cutting the downward extension of the mineralization encountered in the trenches at 4+62N, 1+20W. The drilling encountered highly broken ground and could not penetrate beyond 24.08 m. In this interval the core consisted of epidote-quartz altered breccia. The best results are:

Sample	Interval (m)	Length (m)	Au ppb [g/t] (oz/ton)	Ag ppm	Cu ppm	As ppm
19386	11.58-14.02	2.44	580 [0.60] (0.018)	3.5	267	19
19387	14.94-16.94	2.00	310 [0.38] (0.011)	2.6	115	14
35457	16.94-17.78	0.84	220	2.4	52	12
19388	17.78-19.20	1.42	182	5.2	1028	10
35458	19.20-21.03	1.83	705 [0.78] (0.023)	15.0	3258	11

A weighted average of the section from 8.53 to 21.03 m was calculated as 0.35 g/t (0.010 oz/ton) Au over 12.5 m; this includes a section of 9.45 m (11.58 to 21.03 m) averaging 0.44 g/t (0.013 oz/ton) Au.

Drillhole 8 was drilled to intersect an IP anomaly on L3+00N, 1+00E, McNeil Peninsula grid. From 1.10 to 24.60 m andesite and porphyritic andesite were intersected. The volcanics contain variable amounts of irregular quartz-calcite veins with minor epidote alteration. A black, fine-grained siliceous zone with intermittent calcite veins and abundant euhedral pyrite crystals up to 1 cm in diameter (30-50% pyrite) occurs between 24.60 and 28.88 m. A massive magnetite-pyrite zone with irregular calcite veins was intersected between 28.88 and 29.61 m. This pyrite-magnetite zone (between 24.60 and 29.61 m) would cause the IP anomaly outlined on L3+00N. Epidote-altered andesite with veinlets of pyrite and rare arsenopyrite occurs between 29.61 and 34.36 m. Feldspar porphyry was encountered between 34.36 and 41.0 m. Andesite and feldspar porphyry then alternate in the hole from 41.0 to 103.63 m. The best values for this hole are:

Sample	Interval (m)	Length (m)	Au ppb [g/t] (oz/ton)	Ag ppm	Cu ppm	As ppm
19401	24.60-25.00	0.40	315 [0.39] (0.11)	3.4	124	157
19399	28.13-28.88	0.75	88	1.8	58	52
19400	28.88-29.61	0.73	945 [1.18] (0.034)	7.0	1002	428
19402	29.61-31.45	1.84	90	2.1	34	1474
19403	31.45-33.45	2.00	55	1.3	5	891
19404	33.45-34.36	0.91	60	2.0	5	195

The section from 28.13 to 34.36 m averages 0.20 g/t (0.006 oz/ton) Au over 6.23 m.

Drillhole 9 was drilled from the same location and in the same direction as hole 8, but with steeper plunge, to cut the mineralization encountered in hole 8. The hole went through dark grey porphyritic andesite from 1.52 to 21.1 m. From 21.1 to 24.45 m porphyritic andesite from 1.52 to 21.1 m. From 21.1 to 24.45 m the hole intersected a zone of black, fine-grained rock with irregular calcite veins and 10-20% pyrite as euhedral crystals. An andesite dyke cuts through this zone between 21.56 and 21.80 m. A massive magnetite band was encountered between 24.45 and 25.00 m.

Below the magnetite lies an epidote-altered andesite between 25.00 and 25.85 m At 25.60 m a calcite vein and a parallel veinlet carrying arsenopyrite occurs at 50° to the core. This short interval (25.96 to 25.60 m) returned the highest gold value: 5.82 g/t (0.170 oz/ton). Feldspar porphyry occurs between 25.85 and 27.00 m. A banded chert-like formation occurs between 27.00 and 31.00 m. The light coloured bands are predominantly epidote. Feldspar porphyry occurs between 31.00 and 62.52 m. Andesite occurs between 62.52 and 76.44 m. Then feldspar porphyry is encountered from 76.44 to the end of the hole at 97.84 m. The best values are:

Sample	Interval (m)	Length (m)	Au ppb [g/t] (oz/ton)	Ag ppm	Cu ppm	As ppm
19419	16.55-16.75	0.20	100	2.9	289	60
19420	21.10-21.56	0.46	124	2.6	21	19
19421	21.80-23.80	2.00	118	2.5	12	44
19422	23.80-24.45	0.65	140	1.0	72	5
19425	25.46-25.60	0.14	5200 [5.82] (0.170)	3.2	5	12473

This section (including values not shown) averages 0.14 g/t (0.004 oz/ton) Au over 9.05 m.

Drillhole 10 was drilled to intersect an IP anomaly between L2+00N and L1+00N at 0 to 0+25E on the Main Grid. From 1.83 to 12.60 m the drillhole intersected dark grey, fine-grained andesite. Feldspar porphyry was encountered between 12.60 and 37.80 m. A mauve feldspar porphyry was encountered between 37.80 and 40.20 m. A grey feldspar porphyry occurs between 40.20 and 44.83 m. Then a light coloured, fine-grained felsic dyke occurs between 44.83 and 45.15 m. Grey feldspar porphyry occurs between 45.15 and 56.33 m. A second felsic zone occurs between 56.33 and 57.57 m. Next in the sequence is black, fine-grained andesite or basalt. Grey feldspar porphyry and black fine-grained basalt or andesite occur alternately in the hole. The hole was stopped at 93.87 m in basalt. Although an IP anomaly was projected between L1+00N and L2+00N, no significant mineralization was observed in hole 10.

In conclusion, the 1988 diamond drilling program on the Contact Au property indicated two near-surface areas with anomalous gold in skarn mineralization.

Drillholes 88-6 and 88-7, located on the Main Grid at 4+73N, 1+39W, outlined a mineralized zone up to 14 m thick with continuous anomalous gold values, within 25 m of the ground surface. Grades in this zone average 0.28 g/t (0.008 oz/ton) Au over 13.7 m (hole 6) and 0.44 g/t (0.013 oz/ton) Au over 9.45 m [also 0.35 g/t (0.010 oz/ton) Au over 12.5 m] (hole 7). Best results so far are 1.19 g/t (0.035 oz/ton) Au over 1.93 m in hole 6, and 0.78 g/t (0.023 oz/ton) Au over 1.83 m in hole 7.

Drillholes 88-8 and 88-9, located on the McNeil peninsula, also outlined a similar near-surface mineralized zone up to 25 m thick, within 40 m of the ground surface. Average grades for the two holes are calculated at 0.20 g/t (0.006 oz/ton) Au over 6.23 m in hole 8, including 0.73 m of 1.17 g/t (0.034 oz/ton) Au; and 0.14 g/t (0.004 oz/ton) Au over 9.05 m, including 5.82 g/t (0.170 oz/ton) Au over 0.14 m.

5.6 Induced Polarization Survey

Between October 20 and November 8, and December 3 and December 10, 1988, an IP operator and crew of four conducted an induced polarization survey on the Contact Au property. The survey instrument used was a Huntec Mark IV 2.5 kW system. The survey was conducted using a dipole-dipole array with a 25 m 'a' spacing. The IP survey totalled 7.8 line-km on the Main Grid and 1.275 line-km on the McNeil Peninsula grid.

The measured primary voltage (Vp) and secondary voltage (Vs) were converted to apparent resistivity and chargeability in standard fashion. The resulting values were plotted in pseudosection form at a scale of 1:1250 (Figures 16 to 31). In addition, contoured resistivity and chargeability values for n=1 are shown in Figures 14 and 15.

The chargeability results obtained on the 12 lines constituting the **Main Grid** define a U-shaped pattern of strong to very strong anomalous sources. A total of nine spearate chargeability zones (A through J) have been tentatively outlined as seen on the compiled chargeability data for n=1.

Most of the chargeability features are moderately to strongly conductive, indicative of massive to semi-massive magnetite with accompanying sulphides as the likely source.

To the northeast, the anomalous IP zones apparently terminate at approximately 5+50N, although it is possible they may resume further to the northeast beyond the area surveyed.

To the southwest, several strong anomalies remain undefined as to their full southwestern extent. Additional IP coverage is recommended here to complete the evaluation.

The strongest, most extensive chargeability zones (A, C and H) are discussed briefly below.

Zone A is a narrow, linear, very strong polarizable source accompanied by a strong resistivity low. It is defined by the present survey coverage to extend from 3+50N southwesterly to 2+00S with a good likelihood of a further extension to the southwest. A fault trending approximately northwest is surmised to truncate and distort the northeastern end of zone A.

Zones E and F constitute subsidiary linear IP features paralleling zone A to the southeast. Zone E attains its maximum response on line 1+00N immediately to the southeast of zone A and is accompanied on this line by lower resistivities.

Zone C is defined to extend from 3+00N to 5+00N near 1+50W in a gently arcuate fashion. The most intense portion spans lines 4+00N and 4+50N.

Zone C is divided into a southern segment designated C_1 and a northern segment designated C_2; these are inferred to be separated by a northwest-trending cross fault near 3+75N.

The northern segment C_2 has a distinctly higher chargeability than the southern segment C_1 and is also consistently accompanied by distinctly lower resistivities.

Several lesser but nontheless interesting anomalies (such as zones B and D) constitute secondary targets that may be related to the adjacent major zones Z and C, either as a result of, folding or faulting.

In this connection, it is useful to note that there is a broad expanse of moderately polarizable material underlying the sector between zones C, D and A and possibly representing a down-dip or down-plunge extension of one of these polarizable sources.

Zone H, the third of the priority polarizable zones, is defined by broad, very strong responses on lines 1+00S ad 2+00S and a probable continuation to the north on line 0+00 as a narrow but strong source. Zone H remains open to the southwest ad indeed appears to be growing in overall width to the south.

All these responses are accompanied by distinctly lower resistivities. This combined signature is, of course, quite similar to that of zones A and C.

Consequently, zone H, like zones A and C, probably reflects a tightly folded magnetite-sulphide horizon at the souther end of the central intrusive. Locally, i.e., along line 1+00S, the stike is probably nearly east-west.

Zone J is glimpsed at the northwestern ends of lines 2+00N and 3+00N. It may in fact be a continuation to the north of zone H, although the absence of survey coverage far enough to the northwest on line 1+00N renders this a rather speculative inference.

A generally circular area of low background chargeability and high resistivity that is mirrored by a generally circular topographic feature lies interior to the polarizable zones. It is suggested that this may represent a central intrusive or dome around which the mineralization has been emplaced in favourable strata.

In summary, the IP results on the Contact Au (Flores Island) Main Grid show at least three strong priority chargeability sources of reasonable continuity and extent that correlate in part with known magnetite-sulphide mineralization.

If initial drill results are encouraging, additional IP coverage is recommended, particularly to the southwest as well as extending several lines to the northwest, to complete the definition of the discerned chargeability zones.

In addition, it is recommended that a detailed magnetic survey be carried out on the grid to assist in characterizing the overall properties and continuity of the polarizable sources. Such a survey should be done on lines spaced no further apart than 50 m and with stations no further apart than 12.5 m.

On the **McNeil Peninsula Grid**, three lines of reconnaissance IP were surveyed. The results differ markedly from line to line.

On line 8+00N, only weak, narrow IP sources are present accompanied by generally high resistivities.

On line 4+00N, a series of strong to moderate zones are indicated. They may reflect two separate sources or a single polarizable horizon or that dips shallowly to the grid east.

The IP response is accompanied by distinctly lower resistivities evident at the shallowest point. Hence, mineralization may well be semi-massive magnetite or sulphides.

On adjacent lines 3+00N, a polarizable source of similar intensity is present. However, its shallowest point displaced considerably along the line to a location near 1+00E implying a probable (local?) strike of approximately 45° to the grid.

A second moderately strong polarizable source is present at depth further to the east along the line.

Both polarizable sources are accompanied by distinctly lower resistivities and hence may be geologically related.

Additional detailed IP coverage is warranted here to assist in delineating rather variable geologic features or targets poorly defined as to extent and attitude in advance of the proposed drilling.

6.0 PROPOSED WORK PROGRAM

6.1 Plan

Construction of a road (approximately 5 km) from the village of Ahousat past the southwest end of the baseline into the grid area and the northwest end of the Contact claims, is recommended. This road would branch off to areas requiring drill testing (eg. L1+00S, 3+00W). Sufficient lead time is required for this program to investigate rights-of-way and permit requirements.

Additional induced polarization and geochemical surveys on the McNeil Peninsula grid not covered by the 1987 program, are proposed. This would also require line cutting to improve the old grid between L0+00N and L8+00N.

Further exploration of the Ormond showings in the northwest end of the property (Contact 1 and 2 claims) is warranted.

Geological mapping at a scale of 1:5000 and 1:2500 is recommended in areas requiring more coverage.

Several drillholes in the area centred at L1+00S, 3+00W (Main Grid) are recommended to test the broad arsenic-in-soil anomaly for associated gold mineralization.

Step-out drillholes in the area of holes 88-6 and 7, to test for the downward extension and extension along strike of the gold mineralization found in these holes, are recommended.

Step-out drillholes in the area of holes 8 and 9 (McNeil Peninsula grid) to test the extent of the mineralization is recommended.

All samples are to be analyzed for Au as well as by 30-element ICP, with check assays on higher values.

Petrographic and whole rock analyses of rock and/or drillcore samples, useful in identifying rock types and alteration assemblages, are proposed for selected samples.

6.2 Budget

Mob/Demob	$ 7,500	
Personnel	58,375	
Transportation (Truck, Boat, Helicopter)	7,925	
Room and Board	9,185	
Equipment Rental	5,495	
Analyses	30,462	
Road Building	30,000	
Drillsite Preparation	7,500	
Diamond Drilling	150,000	
Miscellaneous (supplies, communications)	2,700	
Report Costs (drafting, copying, typing)	5,277	
Administration	34,394	
Contingency	51,197	
		$400,010
	Total, say	$400,000

Phase III exploration is estimated to take up to approximately 10 weeks to complete.

7.0 CONCLUSIONS

1. The Contact 1, 2, 3 and Au group is underlain by Upper Paleozoic Sicker Group rocks which have been partially metamorphosed and intruded by dioritic rocks during the Mesozoic to become the Westcoast Complex metavolcanics and metavolcaniclastics. This sequence is truncated by granodiorite, diorite and quartz diorite of the Tertiary Catface Intrusions and probably also Jurassic Island Intrusions.

2. Copper, lead, zinc and arsenic mineralization with high silver and gold values is found within massive sulphides in contact metasomatic (skarn) zones, in association with massive magnetite, siliceous and epidote alteration zones and in quartz veins.

3. Rock sampling yielded encouraging results from both the McNeil Peninsula and Main Grid (Contact 1 claim) areas. Sample 21F, from a quartz vein on the McNeil Peninsula, yielded 41.76 g/t (1.218 oz/ton) Au, 65.83 g/t (1.92 oz/ton) Ag, 578 ppm Cu, 2.45% Pb, 9456 ppm Zn, and 29,826 ppm As.

   Lithogeochemical results from the Main Grid area indicate an area with high gold concentrations and associated copper and silver mineralization (but low arsenic) between about 4+60 and 4+90N, around 1+20W, and an area with high zinc concentrations (but lower gold and copper) around L1+00S, 2+00 to 3+00W. Anomalous samples also occur in other skarn areas. Highest values from grab samples are 7400 ppb Au, 713.1 g/t Ag, 26.24% Cu, 186 ppm Pb, 4.16% Zn, and 60,939 ppm As.

4. Soil sampling in 1987 delineated a multi-element anomaly discovered in 1986, centered at approximately L4+00N, 1+00W. In addition, a second area of anomalous metal values was

delineated in the area centered by L1+00S, 3+00W. This area was not drill tested during the 1987-88 program. One soil sample from L2+00N, 4+75W returned a value of 90,000 ppb Au. The soil anomalies are approximately coincident with lithogeochemical and geophysical anomalies.

5. The induced polarization survey (line km, 2 grids) outlined several anomalous zones of high chargeability with associated zones of low resistivity. These IP anomalies followed known magnetite skarn areas. On the McNeil grid an IP anomaly was drilled and a zone of massive magnetite and stringer sulphides with low grade gold values was encountered. The IP exploration technique is a useful method of outlining potential mineralized skarn zones not evident from surface mapping.

6. The diamond drilling program indicated considerable intercalation of fine-grained dark volcanic rock and crystalline textured dioritic rock. The drilling program outlined two areas of gold mineralization associated with massive magnetite beds and associated epidote skarn alteration. The first area is at drillhole 88-6 and 7 on the Main Grid and the second area is at drillhole 88-8 and 9 on the McNeil Peninsula. These areas warrant further drill testing to check for extension of mineralization downward and along strike.

7. Drillholes 88-6 and 88-7, located on the Main Grid at 4+73N, 1+39W, outlined a mineralized zone up to 14 m thick with continous anomalous gold values, within 25 m of the ground surface. Grades in this zone average 0.28 g/t (0.008 oz/ton) Au over 13.7 m (hole 6) and 0.44 g/t (0.013 oz/ton) Au over 9.45 m [also 0.35 g/t (0.010 oz/ton) Au over 12.5 m] (hole 7). Best results so far are 1.19 g/t (0.035 oz/ton) Au over 1.93 m in hole 6, and 0.78 g/t (0.023 oz/ton) Au over 1.83 m in hole 7.

Drillholes 88-8 and 88-9, located on the McNeil Peninsula, also outlined a similar near-surface mineralized zone up to 25 m thick, within 40 m of the ground surface. Average grades for the two holes are calculated at 0.20 g/t (0.006 oz/ton) Au over 6.23 m in hole 8, including 0.73 m of 1.17 g/t (0.034 oz/ton) Au; and 0.14 g/t (0.004 oz/ton) Au over 9.05 m, including 5.82 g/t (0.170 oz/ton).

8.0 RECOMMENDATIONS

1. Further exploration of the Contact Au property is highly recommended due to encouraging results.

2. Expansion of the grid on the McNeil Peninsula is proposed, with additional geochemical sampling, linecutting, and IP surveying recommended, in areas not covered during previous exploration.

3. It is recommended that a 5 km road be constructed from the village of Ahousat into the Contact 1 claim area to provide access to areas requiring drill testing.

4. Further geological mapping and sampling, is recommended, particularly in areas not previously mapped in detail, both in the area of the Contact claims (including the Ormond showings) and on McNeil Peninsula.

5. Diamond drilling (holes averaging 50 m depth) is recommended in the following target areas:

   a) Step-out drillholes near 88-6 and 7 (Main Grid 4+73N, 1+39W) to test the extent of the gold anomaly discovered in these holes.

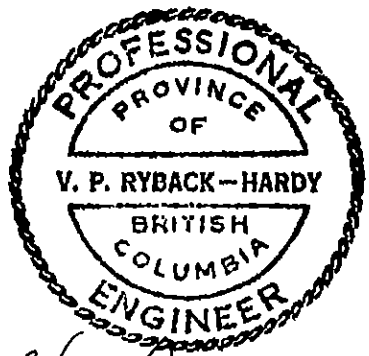
   b) Several drillholes in the area around Main Grid L1+00S, 3+00W, where a broad arsenic-in-soil anomaly may indicate associated gold mineralization.

   c) Several drillholes on McNeil Peninsula, in the area of drillholes 88-8 and 9, as well as in areas delineated by further geochemical and geophysical surveys.

6. Whole rock and petrographic analyses are recommended for selected rock and drillcore samples.

7. A Phase III exploration, consisting of geological mapping and sampling, road building and linecutting, geochemical and geophysical surveys, and diamond drilling, is recommended at an estimated cost of $400,000.

Respectfully submitted
MPH CONSULTING LIMITED



V.P. Ryback-Hardy, P.Eng.

CERTIFICATE

I, V.P. Ryback-Hardy, do hereby certify:

1. That I am a Professional Engineer (Geological).

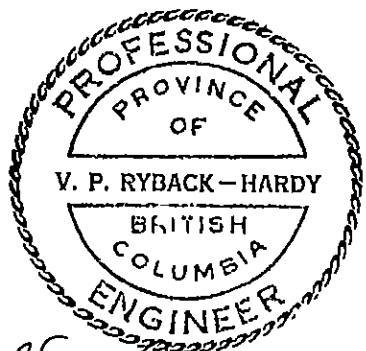
2. That I am a graduate in geological engineering of the University of British Columbia, Vancouver, (B.A.Sc. 1970).

3. That I have practised within the geological profession for the past fifteen years.

4. That I am a registered Professional Engineer in the Province of British Columbia (Reg. No. 8825).

5. That the opinions, conclusions and recommendations contained herein are based on fieldwork carried out on the property by myself and other MPH Consulting Limited personnel between September 1, 1987 and February 15, 1988.

6. That I own no direct, indirect, or contingent interests in the subject property or shares or securities of Parallax Development Corporation or associate companies.



V. Ryback-Hardy

V.P. Ryback-Hardy, P.Eng.

Vancouver, B.C.
February 29, 1988

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APPENDIX I

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

The following expenses have been incurred for the purpose of mining exploration from September 1, 1987 to February 15, 1988 by MPH Consulting Limited on behalf of Parallax Development Corporation.

Personnel:

V. Ryback-Hardy, PEng, Project Geologist	
54.75 days @ $375	$20,531.25
35 days @ $350	12,250.00
T.G. Hawkins, PGeol	
14 days @ $500	7,000.00
J. Roth, MA, Geophysicist	
15 hrs @ $80	1,200.00
K. Lund, BSc, Geophysicist	
29 days @ $350	10,150.00
T. Hayes, Field Supervisor	
37.75 days @ $350	13,212.50
J. Getsinger, PhD, Geologist	
2.75 hrs @ $50	137.50
3.5 days @ $350	1,225.00
G. Lorenzetti, BSc, Geologist	
3.75 hrs @ $35	131.25
C. Naas, BSc, Geologist	
1 day @ $350	350.00
T. Naciuk, BSc, Geologist	
1 day @ $350	350.00
T. Neale, BSc, Geologist	
3.25 hrs @ $50	162.50
1 day @ $350	350.00
E. Ackerly, Sr. Field Technician	
45 days @ $250	11,250.00
R. Bonnar, Field Technician	
11 days @ $150	1,650.00
G. Charlie, Field Technician	
48.5 days @ $150	7,275.00
B. Davidson, Field Technician	
5.5 days @ $150	825.00
J. John, Field Technician	
8 days @ $150	1,200.00
B. Soles, Field Technician	
23.5 days @ $250	5,875.00
T. Styan, Field Technician	
20.5 days @ $150	3,075.00
B. Titian, Field Technician	
24 days @ $150	3,600.00
A. Van Volsen, Field Technician	
21 days @ $150	3,150.00
W. Young, Field Technician	
4 days @ $150	600.00
J. Zackodnick, Field Technician	
19 days @ $150	2,850.00

Personnel: (cont.)

K. Clarke, Field Assistant		
41 days @ $150	6,150.00	
S. Clarke, Field Assistant		
16.5 days @ $150	2,475.00	
J. Cootes, Field Assistant		
15.5 days @ $150	2,325.00	
S. King, Field Assistant		
24 days @ $150	3,600.00	
J. Lang, Field Assistant		
39.5 days @ $150	5,925.00	
M. Reilly, Field Assistant		
10 days @ $150	1,500.00	
R. Stanley, Field Assistant		
13.5 days @ $150	2,025.00	
S. Titian, Field Assistant		
41 days @ $150	6,150.00	
G. Volkman, Field Assistant		
2.5 days @ $150	375.00	
		$138,925.00

Support Costs:

Room/Board 674.75 days @ $55	37,001.25	
4 x 4 Truck 69.5 days @ $90	6,255.00	
Gas, Ferry, Airfare, etc.	4,080.62	
Courier, Field supplies	5,937.25	
Helicopters	13,365.00	
Communication	358.25	
Custom Topo Map	4,135.00	
		71,132.37

Equipment Rental:

Core Splitter	7 days	@ $15	105.00
Boat	66.5 days	@ $100	6,650.00
Skiff	112 days	@ $50	5,600.00
Rocksaw	23 days	@ $15	345.00
Chainsaws	175 days	@ $15	2,625.00
Radios	76 days	@ $40	2,660.00
IP	15 days	@ $300	6,150.00
Computer	14 days	@ $25	350.00
Plugger	21 days	@ $60	2,640.00
			27,125.00

Contract Services:

Drilling	81,051.51	
Drill Moving	905.00	
Analyses:		
89 rocks Au, ICP, +(Au, Ag, Cu, Pb, Zn) Assays	1,424.00	
407 silts Au, ICP + Check Analyses	5,379.90	
209 Drill Core Samples Au, ICP +(Au, Ag, Cu, Pb, Zn) Assays	4,412.20	
		93,172.61

Report Writing:		
Drafting	$770.00	
Supplies, Typing, Copying	450.16	
Other	78.43	
		$ 1,298.59
Administration @ 15%		18,346.43
	Total	$350,000.00

APPENDIX II

ROCK SAMPLE DESCRIPTIONS AND LITHOGEOCHEMICAL RESULTS

All samples were collected from the Contact 1 claim except for 23087, 23088, 21E, and 21F, which were collected from the McNeil Peninsula, near the boundary between the Contact 1 and Au claims.

		Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.:	**21**	5	0.3	165	2	37	23
Location:	3+75N, 0+30W.						
Rock Type:	Not described.						
Sample No.:	**21A**	5	0.5	129	24	87	521
Location:	2+00N, 0+25E.						
Rock Type:	Not described.						
Sample No.:	**21B**	30	0.1	149	7	248	264
Location:	2+00N, 0+25E.						
Rock Type:	Not described.						
Sample No.:	**21C**	90	22.8 [19.2] (0.56)	1876	2	113	41
Location:	2+50N, 0+25W.						
Rock Type:	Skarn						
Sample No.:	**21D**	10	0.7	27	8	26	298
Location:	1+75N, 0+22W.						
Rock Type:	Not described.						
Sample No.:	**21E**	1280 [1.65] (0.048)	2.5	239	131	450	3721
Location:	Contact 1 claim(?), High Water mark, McNeil Peninsula.						
Rock Type:	Green, volcanic wall rock for 21F.						
Sample No.:	**21F**	23000 [41.76] (1.218)	68.9 [65.83] (1.92)	578	12429 2.46%	9456	29826
Location:	Contact 1 or Au claim, McNeil Peninsula.						
Rock Type:	Quartz vein						
Sample No.:	**21G**	380 [0.17] (0.005)	96.0 [100.1] (2.92)	21977 2.82%	71	497	155
Location:	2+50N, 0+25W.						
Rock Type:	Skarn						

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **1394** Location: 2+05N, 4+55W. Rock Type: Medium to fine-grained altered intrusive(?) with veinlets of epidote.	5	0.1	10	5	49	2
Sample No.: **1395** Location: 2+00N, 4+75W, from trench. Rock Type: Skarn with massive magnetite, epidote altered plagioclase phenocrysts. Speckled texture.	5	3.6	862	21	71	57
Sample No.: **1396** Location: 2+00N, 4+75W, from trench. Rock Type: Angular float - massive sulphide: py, cpy, hem. In contact with fine-grained tuff or mudstone.	2020 [1.54] (0.045)	331.3 [713.1] (20.80)	99999 26.24%	79	1294	233
Sample No.: **1397** Location: 1+00S, 2+80W, from trench. Rock Type: Skarn: massive magnetite.	40	16.2 [17.1] (0.50)	3251	108	11714 1.48%	226
Sample No.: **1398** Location: 1+00S, 2+80W. Rock Type: Skarn with massive magnetite, with veinlets containing blebs of cpy.	5	7.4	1315	34	145	88
Sample No.: **1399** Location: 1+00S, 2+80W. Rock Type: Skarn with massive magnetite, some blebs of cpy.	5	4.7	824	67	66	111
Sample No.: **1400** Location: 0+25S, 0+40W. Rock Type: Fine-grained, cherty, light beige brecciated, siliceous. Hair-like quartz veinlets with arsenopyrite in a small vein.	50	0.7	65	15	302	1777

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **19924** Location: L0, 0+25E. Rock Type: Dark-grey, medium to fine-grained andesite, weakly magnetic.	5	7.4	631	22	79	37
Salmple No.: **19925** Location: Contact 1 claim. Rock Type: Light green, aphanitic, quartz-epidote felsite, hornfelsic.	5	0.5	7	12	96	40
Sample No.: **19926** Location: L1S, 1+50W. Rock Type: Rusty, fine-grained quartz-epidote felsite hornfelsic, with manganese stain(?).	5	1.7	36	56	1689	564
Sample No.: **19927** Location: Contact 1 claim. Rock Type: Manganese-stained, light green, aphanitic quartz-epidote felsite.	5	0.5	6	24	490	376
Sample No.: **19928** Location: Contact 1 claim. Rock Type: Quartz, epidote, fine-grained felsic groundmass, hornfelsic.	5	0.4	11	3	90	13
Sample No.: **20987** Location: 0+00S, 2+80W. Rock Type: Chip sample from north half of blast pit. Epidote magnetite skarn. Sample length 2 m.	5	4.2	999	94	137	113
Sample No.: **20988** Location: 0+50N, 0+46W from old adit. Rock Type: Chip sample across 2 m width from opening of adit to 2 m along wall. Pyrite and chalcopyrite nearing vein in skarnified andesite.	5	30.3	6022	13	257	65

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **20989** Location: 0+50N, 0+46W. Rock Type: As above. Chip sample taken in old adit next to sample 20986 along wall to face (2 m sample length). Fine-grained dark grey andesite.	5	4.9	984	22	55	214
Sample No.: **22702** Location: Contact 1 claim. Rock Type: Rusty skarn, with massive magnetite, pyrite, and bornite.	5	2.6	929	15	41	134
Sample No.: **22703** Location: 4+80N, 1+20W. Rock Type: Veins of pyrite, magnetite, and chalcopyrite in a crudely-banded, fine-grained tuff. Alternating bands of quartz-epidote and fine-grained mafics.	7400	245.1 [242.1] (7.06)	52079 7.70%	16	2620	83
Sample No.: **22704** Location: 3+08N, 0+40W. Rock Type: Skarnified felsic tuff(?). Very fine-grained, buff coloured groundmass. Rusty, well altered minor pyrite.	70	6.2	588	54	40	654
Sample No.: **22704A** Location: 3+08N, 0+40W. Rock Type: Skarn. Rusty pyritic selvage.	10	3.1	518	20	54	160
Sample No.: **22705** Location: 3+08N, 0+40W. Rock Type: Fine-grained, buff coloured rock with veinlets and blebs of epidote (pistachio green). Felsic groundmass with little or no mafics.	10	1.0	289	8	43	24

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **22706** Location: Contact 1 claim. Rock Type: Phaneritic with diabasic texture. Plagioclase crysts (1 mm x 3 mm) crudely aligned, fine-grained mafics, crudely foliated, partially altered to epidote ± 1-2% disseminated pyrite.	5	0.2	128	5	55	19
Sample No.: **22707** Location: 1+00S, 0+50E. Rock Type: Not described.	5	0.1	14	3	17	4
Sample No.: **22742** Location: Contact 1 claim. Rock Type: Epidote magnetite skarn.	5	0.5	65	5	16	16
Sample No.: **22743** Location: 5+00N, 2+05E. Rock Type: Medium-grained, intrusive texture, with 50% mafics (fine-grained hornblende?) with hypidiomorphic phenocrysts of plagioclase with ragged borders, ± 2% disseminated pyrite. Diorite.	5	0.2	49	2	23	12
Sample No.: **22744** Location: Contact 1 claim. Rock Type: Mottled, schistose, with amphibole (hornblende to actinolite).	5	0.1	9	2	23	2
Sample No.: **22745** Location: L6+00N, 4+00W. Rock Type: Dark grey, foliated andesite with light coloured (white) felsic layers interbanded with black mafic layers. Minor disseminated magnetite, sparse disseminated pyrite.	5	0.1	11	6	23	2

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **22746** Location: Contact 1 claim. Rock Type: Skarn: massive magnetite, pyrite, chalcopyrite.	1700	107.4 [107.7] (3.14)	30613 3.56%	16	587	104
Sample No.: **22747** Location: 0+00N, 0+50E. Rock Type: Medium to coarse-grained diorite, with 30-40% euhedral hornblende, and white, fine-grained feldspar groundmass, 2% is pyrite.	5	0.9	267	4	22	43
Sample No.: **22748** Location: 1+00N, 0+50E. Rock Type: Dark grey to black andesite. Light green flow laminae. Finely disseminated pyrite.	5	0.4	74	10	76	26
Sample No.: **22749** Location: 1+00S, 2+20W. Rock Type: Dark grey, fine-grained, mafic-rich (hornblende).	5	71.5 [74.7] (2.18)	9855 1.10%	186	37146 4.16%	40
Sample No.: **22750** Location: 1+00S, 2+95W. Rock Type: Skarn altered andesite. Brecciated with ± 30-40% magnetite and pyrite in small veinlets. Sparse chalcopyrite.	5	4.6	474	109	6209	69
Sample No.: **23051** Location: 2+00N, 3+75W. Rock Type: Grab sample. Felsic dyke cutting andesite.	5	0.1	3	3	28	2
Sample No.: **23052** Location: 2+00N, 2+18W. Rock Type: Grab sample. Andesite. Fine-grained, dark grey to green grey.	5	0.2	124	2	58	5

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23053** Location: 1+00N, 3+10W. Rock Type: Grab sample. Andesite. Fine-grained, dark grey.	5	0.1	14	5	69	2
Sample No.: **23054** Location: 1+00N, 3+75W. Rock Type: Grab sample. Felsite. Fine-grained, light coloured (beige), siliceous.	5	0.1	20	2	21	8
Sample No.: **23055** Location: 1+00N, 1+25W. Rock Type: Grab sample. Andesite, fine-grained, dark grey.	5	0.1	11	17	36	2
Sample No.: **23056** Location: 0+00N, 0+83W. Rock Type: Grab sample. Andesite or metasediment(?) (banded).	5	1.4	128	10	63	204
Sample No.: **23057** Location: 1+00S, 3+28W. Rock Type: Grab sample. Skarn with massive magnetite.	20	8.2	1068	178	9299	1307
Sample No.: **23058** Location: 1+00S, 2+90W. Rock Type: Chip sample from old adit, 5 m along wall from face of adit. Massive magnetite in skarn.	5	2.4	242	35	6238	336
Sample No.: **23059** Location: 1+00S, 2+90W. Rock Type: Chip sample along wall of old adit from opening 5 m back (5 m width). Adjacent to samle 23058.	5	2.8	261	57	7033	388
Sample No.: **23060** Location: 2+00N, 0+75E. Rock Type: Diorite	5	0.1	27	2	84	6

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23061** Location: 5+00N, 3+00W. Rock Type: Andesite	5	0.2	145	2	86	3
Sample No.: **23062** Location: 4+00N, 0+20E. Rock Type: Porphyritic andesite	5	0.1	50	2	38	5
Sample No.: **23063** Location: 1+30S, 0+00W. Rock Type: Quartz-epidote altered andesite.	40	0.6	220	6	230	49
Sample No.: **23064** Location: 2+00S, 0+50E. Rock Type: Diorite	5	0.1	30	6	39	12
Sample No.: **23065** Location: 3+50N, 1+50W. Rock Type: Magnetite veinlets in altered andesite.	5	0.1	17	5	31	144
Sample No.: **23066** Location: 3+50N, 1+75W. Rock Type: Grab sample. Magnetite $\pm$ pyrite in andesite.	5	0.3	3	3	24	18
Sample No.: **23067** Location: 3+50N, 0+25W. Rock Type: Grab sample. Epidote-altered felsite (siliceous). White to butt, aphanitic. Small veinlet of epidote.	5	0.1	12	2	3	24
Sample No.: **23068** Location: 3+50N, 1+50W. Rock Type: Grab sample. Magnetite veinlets in altered andesite(?), light green, fine-grained groundmass.	5	0.8	21	25	57	543

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23069** Location: 3+65N, 1+50W. Rock Type: Grab sample. Large boulder of massive magnetite.	5	0.1	16	12	70	105
Sample No.: **23070** Location: 3+50N, 1+35W. Rock Type: Grab sample. Magnetite veinlets in altered andesite. Contains epidote and clots of calcite.	5	0.2	13	9	95	17
Sample No.: **23071** Location: 3+50N, 1+50W. Rock Type: Grab sample. Magnetite veinlets ± pyrite in altered andesite. Black, fine-grained groundmass with 1-2 mm equant quartz clasts, 5% pyrite as small blebs.	5	1.1	325	42	517	140
Sample No.: **23072** Location: 3+50N, 1+50W. Rock Type: Sample is a 2 m chip from blast pit. Magnetite veinlets in altered andesite. Andesite: light coloured (buff), very fine-grained with patches of epidote.	5	0.3	4	14	22	92
Sample No.: **23073** Location: 3+50N, 1+50W. Rock Type: Sample is a 2 m chip from blast pit. Adjacent to sample 23072. Magnetite veinlets in altered andesite.	5	0.1	5	13	34	52
Sample No.: **23074** Location: 3+50N, 1+50W. Rock Type: Sample is a 4 m chip from blast pit. Adjacent to 23073. Magnetite veinlets in altered andesite. Light green, very fine-grained groundmass.	5	0.2	4	11	63	72

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23075** Location: 4+62N, 1+20W. Rock Type: Chip sample of high-grade mineralization in old trench (old sample Nos. 14555 and 14583). Sample width 3.5 m.	1120	78.1 [78.2] (2.28)	23000 2.24%	4	625	67
Sample No.: **23076** Location: 4+62N, 1+20W. Rock Type: Chip sample, 1 m wide of wall rock next to sample 23075. Very fine-grained, light green felsic. Quartz epidote hornfelsic.	5	2.8	471	4	46	9
Sample No.: **23077** Location: 4+85N, 1+20W. Rock Type: Chip sample 1 m wide taken from old trench. Epidote magnetite skarn with scattered blebs and nodules of pyrite (2-5%).	1380	33.9 [34.3] (1.00)	8973 0.96%	6	360	56
Sample No.: **23078** Location: 4+85N, 1+20W. Rock Type: Chip sample, 0.7 m wide. Sheared, rusty altered volcanic. Adjacent to sample 23077. Epidote-diopside groundmass veined with magnetite and minor pyrite.	120	1.8	396	6	183	31
Sample No.: **23079** Location: 4+85N, 1+20W. Rock Type: Chip sample, 0.6 m wide from old trench. Broken altered andesite and fault gouge. Adjacent to sample 23078. Black, fine-grained layer with light green layer of quartz and epidote.	3000	1.9	147	7	160	12
Sample No.: **23080** Location: 2+48N, 0+25W. Rock Type: Grab sample from old pit. Skarn with magnetite $\pm$ pyrite.	5	4.3	1911	25	102	52

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23081** Location: 0+70N, 0+00E. Rock Type: Grab sample. Silicified epidote-altered andesite(?), siliceous. Buff-coloured, fine-grained groundmass.	2860 [3.46] (0.101)	0.2	25	9	18	60939
Sample No.: **23082** Location: 4+35N, 1+35W. Rock Type: Grab sample from blast pit. Light green, fine-grained groundmass, quartz-epidote altered.	5	0.2	173	5	69	218
Sample No.: **23083** Location: 3+00N, 9+00W. Rock Type: Grab sample. Andesite, minor magnetite. Black, fine-grained.	5	0.1	32	2	31	108
Sample No.: **23084** Location: 2+25N, 0+21W. Rock Type: Grab sample taken from old pit. Magnetite $\pm$ pyrite in skarn, rusty red and light green altered fine-grained groundmass.	10	3.3	744	25	127	23
Sample No.: **23085** Location: 2+00N, 4+75W. Rock Type: Chip sample from blast pit; 2.5 m sample width along south side of pit. Skarn breccia with magnetite and malachite staining (weak).	40	1.7	112	43	120	88
Sample No.: **23086** Location: 2+00N, 4+75W. Rock Type: Chip sample from blast pit; 1.0 m sample width along north side of pit.	5	0.4	35	17	88	144

	Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.: **23087** Location: Contact 1 claim(?), McNeil Peninsula. Several metres north along beach from point skid trail intersects beach. Rock Type: Chip sample across 1 m of a quartz filled shear zone with blebs of pyrite.	320	8.2	2195	14	309	418 (224 Co)
Sample No.: **23088** Location: Au claim, McNeil Peninsula, 3+90N, 0+28W. Rock Type: Sheared rusty andesite.	260	0.4	142	6	28	2572
Sample No.: **23089** Location: 1+00S, 2+20W. Rock Type: Chip sample from skarn with massive magnetite, pyrite, and bornite near contact with altered andesite (2 m sample length).	20	106.1 [120.0] (3.50)	17304 2.00%	256	20333 2.52%	160
Sample No.: **23090** Location: 1+00S, 3+00W. Rock Type: Grab sample from blast pit at portal of old adit. Skarn with massive magnetite, diopside(?), ± 1% pyrite, actinolite(?).	5	5.1	1035	83	16465 1.66%	174
Sample No.: **23091** Location: 1+00S, 2+80W. Cliff above old adit. Rock Type: Chip sample of magnetite skarn agjacent to sample 20987. (Sample length 2 m.)	5	4.0	656	99	3569	1265
Sample No.: **23092** Location: 3+00S, 4+75W. Rock Type: Diorite	5	2.0	261	37	156	28
Sample No.: **23093** Location: 3+00S, 2+75W. Rock Type: Felsic tuff	5	0.1	12	6	25	64

		Au ppb [g/t] (oz/ton)	Ag ppm [g/t] (oz/ton)	Cu ppm	Pb ppm	Zn ppm	As ppm
Sample No.:	**23094**	5	0.1	48	12	36	28
Location:	3+00S, 2+00W.						
Rock Type:	Felsic or cherty tuff.						
Sample No.:	**23095**	5	0.1	58	2	72	35
Location:	3+00S, 4+25W.						
Rock Type:	Diorite						
Sample No.:	**23096**	5	0.1	11	2	16	47
Location:	3+00S, 4+00W.						
Rock Type:	Quartz epidote altered andesite sparse pyrite.						
Sample No.:	**23097**	5	0.1	22	16	15	34
Location:	3+00S, 1+75W.						
Rock Type:	Felsite						
Sample No.:	**23098**	5	0.1	32	2	49	17
Location:	3+00S, 1+30W.						
Rock Type:	Hornblende andesite						
Sample No.:	**23099**	5	0.2	32	9	90	10
Location:	3+00S, 4+75W.						
Rock Type:	Diorite						
Sample No.:	**23100**	5	0.1	15	2	10	2
Location:	3+50N, 2+75W.						
Rock Type:	Andesite						

APPENDIX III

CERTIFICATES OF ANALYSIS

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87640
INVOICE#: 80000
DATE ENTERED: 87-10-06
FILE NAME: MPH87640
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
A	22702	5
A	22703	7400
A	22704	70
A	22705	10
A	22706	5
A	22742	5
A	22743	5
A	22744	5
A	22745	5
A	22746	1700
A	22747	5

CERTIFIED BY : _____

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
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VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87640.B
INVOICE#: 80058
DATE ENTERED: 87-10-16
FILE NAME: MPH87640.B
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Ag	% Cu
A	22703	7.06	7.70
A	22746	3.14	3.56

CERTIFIED BY : Rossbacher

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L 2S 500W	5
S	475W	30
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	5
S	125W	5
S	100W	5
S	075W	5
S	050W	5
S	025W	5
S	L 2S 000	5
S	025E	5
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	L 2S 300E	5
S	L 1S 500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	L 1S 375W	5

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TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 2

PRE FIX	SAMPLE NAME	PPB Au
S	L 1S 350W	5
S	325W	100
S	300W	60
S	275W	5
S	250W	5
S	225W	5
S	200W	5
S	175W	5
S	150W	400
S	125W	5
S	100W	60
S	075W	5
S	050W	5
S	025W	5
S	L 1S 000	70
S	025E	5
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	L 1S 300E	5
S	L 0 500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	L 0 150E	5

CERTIFIED BY : T. Rossbacher

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VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 3

PRE FIX	SAMPLE NAME	PPB Au
S	L 0 200E	5
S	225E	5
S	250E	5
S	275E	5
S	L 0 300E	5
S	L 1N 500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	L 1N 300E	5
S	L 2N 500W	5
S	475W	90000
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	L 2N 200E	5

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TO : MPH CONSULTING LTD.
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VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 4

PRE FIX	SAMPLE NAME	PPB Au
S	L 2N 275E	5
S	L 2N 300E	130
S	L 3N 500W	5
S	475W	5
S	450W	5
S	425W	50
S	400W	10
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	025E	20
S	050E	5
S	075E	5
S	100E	5
S	125E	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	40
S	275E	5
S	L 3N 300E	20
S	L 4N 450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	5
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	L 4N 250E	5

CERTIFIED BY : J. Rossbach

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#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 5

PREFIX	SAMPLE NAME	PPB Au
S	L 4N 275E	5
S	L 4N 300E	5
S	L 5N 450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	250W	60
S	150E	5
S	175E	5
S	200E	5
S	225E	5
S	250E	5
S	275E	5
S	L 5N 300E	5
S	L 6N 500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	275W	5
S	L 6N 250W	5
S	L 7N 500W	5
S	475W	5
S	450W	5
S	425W	5
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	5
S	L 7N 275W	5

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656
INVOICE#: 80027
DATE ENTERED: 87-10-09
FILE NAME: MPH87656
PAGE # : 6

PREFIX	SAMPLE NAME	PPB Au
S	L 7N 250W	5
S	150E	5
S	175E	5
S	225E	5
S	250E	5
S	L 7N 275E	5
A	1394	5
A	1395	5
A	1396	2020
A	1397	40
A	1398	5
A	1399	5
A	1400	50
A	22704A	10
A	22707	5
A	22708	5
A	22748	5
A	22749	5
A	22750	5
A	L 03+30	5
A	L 02+50	5

CERTIFIED BY : E. Rossbacher

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87656.A
INVOICE#: 80102
DATE ENTERED: 87-10-26
FILE NAME: MPH87656.A
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Au I	oz/t Au II
A	1396	0.011	0.041

		oz/t -100M	oz/T +100M	mg.Au +100M	Wt.gm -100M	Wt.gm +100M	oz/t FINAL
A	1396	0.045	0.001	0.001	0.77	174	0.045

CERTIFIED BY : L. Rossbacher

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PROJECT: V 248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656.B
INVOICE#: 80065
DATE ENTERED: 87-10-19
FILE NAME: MPH87656.B
PAGE # : 1

PREFIX	SAMPLE NAME	PPB Au
A	L 1S 350W	5
A	325W	100
A	300W	70
A	150W	10
A	125W	5
A	100W	80
A	025W	5
A	000	20
A	L 1S 025E	10
A	L 2N 500W	5
A	475W	147000
A	450W	5
A	L 2N 300E	20
A	L 3N 425W	110
A	400W	10
A	250E	5
A	275E	NSS
A	L 3N 300E	5

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#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87656.C
INVOICE#: 80115
DATE ENTERED: 87-10-27
FILE NAME: MPH87656.C
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Ag	% Cu	% Zn
A	1396	20.80	26.24	
A	1397	0.50		1.48
A	22749	2.18	1.10	4.16

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TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87656.D
INVOICE#: 80296
DATE ENTERED: 87-12-11
FILE NAME: MPH87656.D
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au I	PPB Au II
S	L7N 250E	5	5

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87749
INVOICE#: 80159
DATE ENTERED: 87-11-03
FILE NAME: MPH87749
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L1+70N 4+ 55W	5
S	4+ 65W	5
S	4+ 75W	5
S	4+ 85W	5
S	L1+70N 4+100W	5
S	L1+80N 4+ 55W	5
S	4+ 65W	5
S	4+ 75W	5
S	4+ 85W	5
S	L1+80N 4+100W	5
S	L1+90N 4+ 55W	5
S	4+ 65W	5
S	4+ 75W	5
S	4+ 85W	5
S	L1+90N 4+100W	5
S	L2+00N 4+ 55W	30
S	4+ 65W	20
S	4+ 75W	5
S	4+ 85W	5
S	L2+00N 4+100W	5
S	L2+10N 4+ 55W	5
S	4+ 65W	5
S	4+ 75W	5
S	4+ 85W	5
S	L2+10N 4+100W	5
S	L2+20N 4+ 55W	5
S	4+ 65W	5
S	4+ 75W	5
S	4+ 85W	5
S	L2+20N 4+100W	5
S	L2+30N 4+ 55W	5
S	4+ 65W	30
S	4+ 75W	5
S	4+ 85W	5
S	L2+30N 4+100W	5
S	L1S 1+50WA	30
S	L2N 4+75WA	380

CERTIFIED BY : _____

ROSSBACHER LABORATORY LTD.

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BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87749
INVOICE#: 80159
DATE ENTERED: 87-11-05
FILE NAME: MPH87749
PAGE # : 2

PREFIX	SAMPLE NAME	PPB Au
A	L2+30N 3W	720
A	19924	5
A	19925	5
A	19926	5
A	19927	5
A	19928	5
A	L7N 4+25W	10
A	L7N 3+00E	5
A	L6N 4+25W	5
A	L4N 4+75W	5
A	4+50W	5
A	L4N 3+75W	5
A	L3N 5+00W	5
A	4+00W	5
A	3+75W	5
A	3+25W	5
A	3+00W	5
A	L3N 2+75W	5
A	L1N 5+00W	5
A	L0N 3+30W	5
A	L0N 0+80W	5
A	BL 1+50S	5
A	L1S 0+50E	5
A	1+00E	5
A	1+00EA	5
A	1+00EB	5
A	1+75E	MISSING
A	L1S 2+50E	5
A	L1S 1+75W	5
A	2+00W	5
A	2+25W	5
A	2+50W	5
A	2+75W	5
A	3+25W	5
A	4+25W	5
A	L1S 4+50W	5
A	L2S 0+10W	5
A	1+00W	5
A	2+50W	5
A	4+00W	5

CERTIFIED BY : F. Rossbacher

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87749
INVOICE#: 80159
DATE ENTERED: 87-11-03
FILE NAME: MPH87749
PAGE # : 3

PRE FIX	SAMPLE NAME	PPB Au
A	L2S 4+50W	5

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CERTIFICATE#: 87777
INVOICE#: 80187
DATE ENTERED: 87-11-10
FILE NAME: MP487777
PAGE # : 1

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPB Au
S	L450N 100E	5
S	075E	5
S	050E	5
S	025E	5
S	000	5
S	025W	60
S	050W	120
S	075W	20
S	100W	5
S	L450N 125W	5
S	150W	5
S	175W	3
S	200W	5
S	225W	5
S	250W	5
S	275W	5
S	L450N 300W	5

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PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87777.A
INVOICE#: 80197
DATE ENTERED: 87-11-17
FILE NAME: MPH87777.A
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
A	23051	5
A	23052	5
A	23053	5
A	23054	5
A	23055	5
A	23056	5
A	23057	20
A	23058	5
A	23059	5
A	23060	5
A	23061	5
A	23062	5
A	23063	40
A	23064	5
A	23092	5
A	23093	5
A	23094	5
A	23095	5
A	23096	5
A	23097	5
A	23098	5
A	23099	5

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#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87801
INVOICE#: 80211
DATE ENTERED: 87-11-16
FILE NAME: MPH87801
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L3S 300E	5
S	275E	5
S	250E	5
S	225E	5
S	200E	5
S	175E	5
S	150E	5
S	125E	5
S	100E	5
S	L3S 075E	5
S	050E	5
S	025E	5
S	000	5
S	025W	5
S	050W	5
S	075W	5
S	100W	5
S	125W	5
S	150W	5
S	L3S 175W	5
S	200W	5
S	225W	5
S	250W	5
S	275W	5
S	300W	5
S	325W	5
S	350W	5
S	375W	5
S	400W	5
S	L3S 425W	5
S	450W	5
S	475W	5
S	L3S 500W	5
S	L350N 100E	5
S	075E	120
S	050E	100
S	025E	5
S	000	160
S	025W	130
S	L350N 050W	5

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TO : MPH CONSULTING LTD.
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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87901
INVOICE#: 80211
DATE ENTERED: 87-11-16
FILE NAME: MPH87901
PAGE # : 2

PRE FIX	SAMPLE NAME	PPB Au
S	075W	40
S	100W	5
S	125W	5
S	150W	5
S	175W	110
S	200W	5
S	225W	5
S	250W	5
S	275W	5
S	L35ON 300W	5

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87801
INVOICE#: 80211
DATE ENTERED: 87-11-16
FILE NAME: MPH87801
PAGE # : 3

PRE FIX	SAMPLE NAME	PPB Au
A	23065	5
A	23066	5
A	23067	5
A	23068	5
A	23069	5
A	23070	5
A	23071	5
A	23100	5

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TO : MPH CONSULTING LTD.
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PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87806
INVOICE#: 80212
DATE ENTERED: 87-11-16
FILE NAME: MPH87206
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
A	23071	3
A	23073	5
A	23074	5
A	23075	1120
A	23076	5
A	23077	1380
A	23078	120
A	23079	3000
A	L2N 485W	290

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87806
INVOICE#: 80212
DATE ENTERED: 87-11-16
FILE NAME: MPH87806
PAGE # : 2

PREFIX	SAMPLE NAME	PPB Au
S	L1N 475W	5
S	525W	80
S	550W	5
S	575W	5
S	600W	5
S	625W	5
S	L1N 650W	5
S	L2N 525W	5
S	550W	5
S	575W	5
S	L2N 600W	5
S	625W	5
S	650W	5
S	675W	5
S	700W	5
S	725W	5
S	750W	5
S	775W	5
S	800W	5
S	825W	5
S	850W	60
S	L2N 875W	5
S	L3N 525W	5
S	L3N 550W	5

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BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6710

CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87806.A
INVOICE#: 30246
DATE ENTERED: 87-11-27
FILE NAME: MPH87806.A
PAGE # : 1

PREFIX	SAMPLE NAME	oz/t Ag	% Cu
A	23075	2.28	2.42
A	23077	1.00	0.76
A	L2N 485W	1.04	1.64

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TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12072)
VANCOUVER B.C.

PROJECT: V240
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87207
INVOICE#: 30245
DATE ENTERED: 87-12-01
FILE NAME: MPH87207
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L3N 575W	5
S	600W	5
S	625W	1
S	650W	5
S	675W	5
S	700W	5
S	725W	5
S	750W	5
S	775W	5
S	L3N 800W	5
S	825W	5
S	850W	5
S	875W	5
S	L3N 900W	50
S	L4N 525W	20
S	550W	5
S	575W	5
S	600W	5
S	625W	5
S	L4N 650W	3
S	675W	150
S	700W	5
S	725W	10
S	750W	5
S	775W	1
S	800W	5
S	825W	5
S	850W	5
S	875W	5
S	L4N 900W	1
S	L4S 500W	5
S	475W	5
S	450W	5
S	425W	1
S	400W	5
S	375W	5
S	350W	5
S	325W	5
S	300W	30
S	L4S 275W	5

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 97527
INVOICE#: 31245
DATE ENTERED: 97-12-01
FILE NAME: MPH97GC
PAGE # : 1

PREFIX	SAMPLE NAME	PPB Au
	L43 250S	5
	225W	5
	200W	5
	175W	5
	150W	5
	125W	5
	100W	5
	075W	5
	050W	5
	025W	5
	L43 000	5
	025E	5
	050E	5
	075E	5
	100E	5
	125E	5
	150E	5
	175E	5
	200E	5
	225E	5
	250E	5
	L43 300E	5
A	23080	5
A	23081	25
A	23082	5
A	23083	5
A	01	5
A	01A	5
A	01B	5
A	01C	5
A	01D	10
A	01E	1380
A	01F	23000
A	01G	780
A	L39 400W	50

CERTIFIED BY : _____

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TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12052)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87057
INVOICE#: 30247
DATE ENTERED: 87-10-01
FILE NAME: MPH8705.*
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L43 300E	5
A	23080	5
A	23081	2860
A	23082	5
A	23083	5
A	21	5
A	21A	5
A	21B	30
A	21C	90
A	21D	10
A	21E	1280
A	21F	23000
A	21G	320
A	L3S 400W	60

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CERTIFICATE OF ANALYSIS

TO : MPH CONSULTING LTD.
42406-535 W.HASTINGS ST. (BOX 12072)
VANCOUVER B.C.

CERTIFICATE#: 87807.A
INVOICE#: 30264
DATE ENTERED: 87-12-04
FILE NAME: MPH87807.A
PAGE # : 1

PROJECT: V249
TYPE OF ANALYSIS: ASSAY

PRE FIX	SAMPLE NAME	oz/t Au I	oz/t Au II
A	27081	0.101	0.095
A	215	0.043	0.047
A	217	1.219	1.229
A	219	0.005	0.005

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TO : MPH CONSULTING LTD.
#2406-555 W.HASTINGS ST. (BOX 12092)
VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87827.B
INVOICE#: 80287
DATE ENTERED: 87-12-10
FILE NAME: MPH87827.B
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Ag	% Cu	% Pb
A	21C	0.56		
A	21F	1.92		2.46
A	21G	2.92	2.28	

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87849
INVOICE#: 80274
DATE ENTERED: 87-12-08
FILE NAME: MPH87849
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L3N 525W	5
S	L3N 550W	5
A	23084	10
A	23085	40
A	23086	5
A	23087	320
A	23088	260
A	23089	20
A	23090	5

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PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87849.B
INVOICE#: 80308
DATE ENTERED: 87-12-18
FILE NAME: MPH87849.B
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Ag	% Cu	% Zn
A	23089	3.50	2.00	2.52
A	23090			1.66

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PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87859
INVOICE#: 80289
DATE ENTERED: 87-12-11
FILE NAME: MPH87859
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
S	L3N 300E	5
S	275E	30
S	250E	5
S	225E	5
S	200E	5
S	175E	5
S	150E	5
S	125E	5
S	100E	370
S	L3N 075E	5
S	050E	5
S	025E	5
S	000	5
S	025W	5
S	050W	5
S	075W	5
S	L3N 100W	5
S	L4N 275E	5
S	250E	5
S	225E	5
S	200E	5
S	175E	5
S	150E	5
S	125E	5
S	100E	5
S	075E	5
S	050E	5
S	025E	5
S	000	5
S	L4N 025W	5
S	050W	5
S	075W	5
S	L4N 100W	5
S	L8N 250E	5
S	225E	5
S	200E	5
S	175E	5
S	150E	5
S	125E	460
S	L8N 100E	5

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87859
INVOICE#: 80289
DATE ENTERED: 87-12-11
FILE NAME: MPH87859
PAGE # : 2

PRE FIX	SAMPLE NAME	PPB Au
S	L8N 075E	5
S	050E	5
S	025E	5
S	000	5
S	025W	5
S	050W	5
S	075W	5
S	100W	5
S	125W	5
S	L8N 150W	5
S	175W	5
S	200W	5
S	225W	5
S	L8N 250W	50

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87859
INVOICE#: 80289
DATE ENTERED: 87-12-11
FILE NAME: MPH87859
PAGE # : 3

PRE FIX	SAMPLE NAME	PPB Au
A	TRENCH A	20
A	TRENCH B	2460
A	L3N 427W	20
A	L375N 175W	2580

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VANCOUVER B.C.
PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87859.A
INVOICE#: 80304
DATE ENTERED: 87-12-17
FILE NAME: MPH87859.A
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Au I	oz/t Au II	oz/T Au III
A	TRENCH B	0.017	0.101	0.095
A	L375N 175W	0.057		

CERTIFIED BY : _____

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: ASSAY

CERTIFICATE#: 87859.B
INVOICE#: 80309
DATE ENTERED: 87-12-18
FILE NAME: MPH87859.B
PAGE # : 1

PRE FIX	SAMPLE NAME	oz/t Ag	% Cu
A	TRENCH B	6.64	7.96
A	L375N 175W	4.82	3.98

CERTIFIED BY : D. Rossbacher

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VANCOUVER B.C.

PROJECT: V248
TYPE OF ANALYSIS: GEOCHEMICAL

CERTIFICATE#: 87876
INVOICE#: 80310
DATE ENTERED: 87-12-18
FILE NAME: MPH87876
PAGE # : 1

PRE FIX	SAMPLE NAME	PPB Au
A	20987	5
A	20988	5
A	20989	5
A	23091	5

CERTIFIED BY : J. R. Rossbacher

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ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: OCT 6 1987 DATE REPORT MAILED: Oct 9/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT # 87640 File # 87-4643 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP 22702	8	929	15	41	2.6	15	161	397	35.36	134	5	ND	4	1	1	2	3	16	1.91	.022	2	13	.03	3	.01	2	.24	.02	.01	30
AP 22703	4	52079 ✓	16	2620	245.1 ✓	83	203	542	25.79	83	5	5	2	2	17	2	64	25	.14	.020	2	12	.70	4	.03	20	1.10	.02	.05	1
AP 22704	6	588	54	40	6.2	25	138	1111	16.09	654	5	ND	2	4	1	2	51	58	4.77	.082	3	37	.07	3	.02	2	.68	.01	.01	12
AP 22705	1	289	8	43	1.0	4	12	589	1.74	24	5	ND	1	51	1	2	2	21	.82	.050	2	36	.07	8	.09	2	.45	.02	.01	1
AP 22706	2	128	5	55	.2	20	19	465	4.58	19	5	ND	1	15	1	2	2	82	.47	.051	2	75	2.52	63	.22	3	2.29	.06	.41	1
AP 22742	1	65	5	16	.5	9	35	154	1.75	16	5	ND	1	98	1	2	2	24	2.04	.182	2	87	.31	15	.07	5	1.85	.11	.06	1
AP 22743	1	49	2	23	.2	11	11	170	3.43	12	5	ND	1	7	1	2	2	64	.27	.051	2	55	1.24	20	.13	2	1.24	.04	.13	1
AP 22744	1	9	2	23	.1	79	11	166	1.55	2	5	ND	1	61	1	2	2	32	.87	.005	2	145	1.89	14	.06	2	2.33	.15	.05	1
AP 22745	1	11	6	23	.1	56	12	204	2.77	2	5	ND	1	51	1	2	2	31	.72	.007	2	137	1.36	12	.06	2	1.60	.12	.04	1
AP 22746	8	30613 ✓	16	587	107.4 ✓	29	23	232	37.83	104	5	ND	4	2	5	2	8	36	.18	.001	2	2	.04	7	.01	38	.10	.03	.01	564 ✓
AP 22747	1	267	4	22	.9	8	35	222	1.95	43	5	ND	1	9	1	2	2	66	.48	.037	2	66	.50	9	.12	2	.58	.06	.05	8
STD C	19	58	40	132	7.1	67	27	1024	3.96	42	21	7	39	50	17	17	21	56	.49	.084	37	58	.87	177	.08	37	1.84	.08	.13	12

✓ASSAY REQUIRED FOR CORRECT RESULT -

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: OCT 8 1987 DATE REPORT MAILED: Oct 14/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT # 87656 File # 87-4703 Page 1 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP 1394	1	10	5	49	.1	4	4	220	.98	2	5	ND	1	6	1	2	2	16	.19	.019	2	95	.44	17	.09	2	.57	.03	.07	2
AP 1395	4	862	21	71	3.6	15	12	721	22.90	57	8	ND	3	1	1	2	6	33	2.59	.014	2	33	.12	2	.02	17	.41	.02	.01	4
AP 1396	6	99999	79	1284	331.3	19	18	51	29.54	233	5	ND	2	1	18	15	410	16	.02	.016	2	10	.04	2	.03	3	.17	.01	.01	1
AP 1397	6	3251	108	11714	16.2	465	225	191	36.69	226	5	ND	4	1	53	2	7	13	.40	.004	2	4	.02	4	.03	2	.07	.01	.01	2
AP 1398	12	1315	34	145	7.4	87	49	1094	23.13	88	5	ND	3	1	1	2	2	25	2.59	.021	2	20	.06	13	.01	6	.24	.01	.01	28
AP 1399	1	824	67	66	4.7	135	77	306	38.30	111	5	ND	4	2	1	2	5	21	.09	.001	2	1	.05	7	.01	39	.09	.02	.01	3
AP 1400	2	65	15	302	.7	17	25	871	2.18	1777	5	ND	1	31	4	2	2	20	.88	.088	3	73	.11	10	.06	2	.44	.01	.01	1
AP 22704A	4	518	20	54	3.1	14	46	1067	13.97	160	5	ND	2	2	1	2	6	66	4.95	.032	2	36	.07	4	.01	2	.34	.01	.01	15
AP L03+30	4	901	25	478	4.0	22	13	1650	5.16	376	5	ND	2	30	3	7	2	15	.96	.075	4	46	.41	14	.03	28	1.01	.02	.01	1
AP L02+50	1	.24	4	136	.1	56	13	933	2.53	7	5	ND	1	18	1	3	2	50	.41	.004	2	79	1.60	6	.09	3	1.55	.02	.01	1
AP 22707	2	14	3	17	.1	10	3	147	3.08	4	5	ND	2	16	1	4	2	26	.07	.033	2	63	1.25	24	.13	2	1.06	.06	.15	1
AP 22708	1	100	26	378	.7	14	14	804	3.14	86	5	ND	1	17	2	3	2	102	.73	.077	2	31	1.02	24	.14	3	1.47	.06	.04	1
AP 22748	1	74	10	76	.4	22	15	347	2.44	26	5	ND	1	72	1	2	2	34	1.56	.048	2	40	.97	20	.11	4	2.58	.31	.03	1
AP 22749	16	9855	186	37146	71.5	36	24	2120	15.17	40	5	ND	2	4	158	2	2	37	1.66	.050	2	32	.26	17	.04	6	.48	.02	.04	14
AP 22750	5	474	109	6209	4.6	161	41	648	40.54	69	6	ND	4	3	27	2	3	40	1.03	.023	2	12	.07	9	.02	40	.27	.03	.02	6
STD C	19	58	38	132	7.5	68	26	1029	3.97	38	18	8	39	50	17	16	20	58	.48	.083	37	57	.88	178	.08	36	1.85	.06	.15	13

✓ = ASSAY REQUIRED FOR CORRECT RESULT

RECEIVED OCT 16 1987

SA	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L2S 500W	2	28	8	20	.2	6	3	65	5.83	24	5	ND	3	5	1	3	2	123	.09	.021	2	54	.17	7	.21	2	7.04	.02	.01	2
S L2S 475W	8	139	47	218	.7	6	6	464	8.30	222	5	ND	2	4	1	2	2	158	.60	.024	3	36	.19	7	.18	2	3.41	.02	.01	4
S L2S 450W	3	24	15	35	.6	5	6	138	4.54	76	5	ND	2	7	1	2	2	86	.17	.027	5	24	.22	8	.18	2	3.10	.02	.01	1
S L2S 425W	1	15	16	24	.1	5	3	117	4.57	61	5	ND	1	12	1	2	2	104	.20	.020	2	24	.23	7	.24	2	2.24	.02	.01	1
S L2S 400W	2	13	16	47	.5	5	5	340	5.35	328	5	ND	2	7	1	2	2	95	.24	.031	4	26	.15	13	.20	2	1.79	.02	.01	2
S L2S 375W	3	29	10	48	.5	6	9	1007	4.75	318	5	ND	2	9	1	2	2	85	.47	.036	4	34	.16	7	.19	2	3.73	.02	.01	2
S L2S 350W	2	60	9	60	.4	6	9	960	4.29	345	5	ND	2	9	1	2	2	77	.21	.042	4	34	.20	8	.16	2	4.82	.02	.01	1
S L2S 325W	3	82	29	63	.3	6	12	801	4.45	171	5	ND	2	7	1	2	2	89	.20	.034	4	30	.18	10	.18	2	4.37	.02	.01	1
S L2S 300W	3	47	22	114	.3	8	18	2051	3.62	188	5	ND	2	7	1	2	2	63	.19	.049	4	31	.18	9	.10	2	4.69	.02	.01	1
S L2S 275W	2	36	13	84	.7	8	16	1708	5.16	148	5	ND	2	8	1	2	2	73	.43	.062	5	38	.15	9	.14	2	4.99	.02	.01	1
S L2S 250W	3	28	8	58	.3	5	19	4688	5.68	198	5	ND	1	5	1	2	2	72	.25	.059	2	28	.11	10	.11	2	3.78	.02	.01	1
S L2S 225W	2	41	12	54	.5	6	10	897	5.01	131	5	ND	2	4	1	2	2	79	.09	.036	4	30	.17	9	.15	2	4.75	.02	.01	1
S L2S 200W	2	38	23	52	.4	5	5	272	6.30	194	5	ND	3	5	1	2	2	116	.13	.024	2	33	.19	8	.22	2	3.46	.02	.01	2
S L2S 175W	2	51	35	134	.4	7	10	660	4.53	233	5	ND	3	6	1	2	2	79	.14	.030	3	35	.22	10	.16	2	4.56	.02	.01	1
S L2S 150W	2	30	50	97	.5	5	3	222	4.35	150	5	ND	2	4	1	2	2	85	.26	.026	2	36	.11	5	.19	2	3.94	.02	.01	1
S L2S 125W	2	9	27	30	.3	2	3	356	5.17	249	5	ND	1	7	1	2	2	145	.82	.018	2	21	.04	8	.27	2	1.25	.02	.01	1
S L2S 100W	4	32	65	128	1.1	6	5	297	6.87	151	5	ND	4	10	1	2	2	134	.73	.030	3	64	.09	4	.28	3	5.09	.03	.01	1
S L2S 075W	2	12	16	21	.1	3	3	1360	4.13	53	5	ND	2	7	1	2	2	114	.27	.035	2	18	.10	11	.25	3	1.45	.02	.01	1
S L2S 050W	2	34	16	31	.6	5	5	237	6.24	154	5	ND	3	4	1	2	2	123	.14	.044	4	42	.14	8	.32	3	4.18	.02	.01	3
S L2S 025W	1	22	6	17	.2	4	3	143	4.47	26	5	ND	3	7	1	2	2	110	.12	.021	3	28	.21	10	.25	2	3.06	.02	.01	1
S L2S 000	1	2	4	2	.1	1	1	21	.43	2	5	ND	1	4	1	2	2	33	.05	.011	2	3	.02	5	.06	2	.26	.01	.01	1
S L2S 025E	1	4	8	4	.1	1	1	46	3.43	8	5	ND	1	2	1	2	2	121	.03	.009	2	13	.03	4	.21	2	.96	.01	.01	1
S L2S 050E	5	20	24	31	.2	2	2	68	7.13	167	6	ND	2	3	1	2	2	178	.16	.027	2	21	.04	7	.31	2	1.51	.01	.01	1
S L2S 075E	2	7	20	12	.2	2	1	38	5.37	17	5	ND	1	4	1	2	2	146	.10	.020	2	11	.03	10	.23	2	1.07	.01	.01	1
S L2S 100E	1	5	10	9	.1	1	1	53	4.42	5	5	ND	2	3	1	2	2	102	.06	.013	2	13	.04	5	.16	2	1.89	.01	.01	1
S L2S 125E	1	4	7	6	.1	1	1	39	3.35	4	5	ND	1	3	1	2	2	105	.06	.009	2	5	.03	5	.17	2	.90	.01	.01	1
S L2S 150E	1	7	9	8	.3	2	1	53	.47	2	5	ND	1	11	1	2	2	34	.26	.028	2	1	.06	9	.06	3	.43	.02	.02	1
S L2S 175E	1	13	12	7	.1	2	1	48	2.54	4	5	ND	1	5	1	2	2	119	.09	.008	2	7	.08	5	.19	2	1.24	.01	.01	1
S L2S 200E	1	3	10	4	.1	1	1	31	1.03	2	5	ND	1	4	1	2	2	92	.07	.004	2	6	.06	10	.20	2	.73	.01	.01	1
S L2S 225E	1	3	3	4	.2	1	2	25	.76	2	5	ND	1	4	1	2	2	53	.06	.011	2	4	.03	5	.08	2	.20	.01	.02	1
S L2S 250E	1	1	5	3	.1	1	1	28	.61	2	5	ND	1	2	1	2	2	57	.02	.006	2	3	.04	3	.14	2	.47	.01	.01	1
S L2S 275E	1	2	7	3	.2	1	1	29	.45	2	5	ND	1	5	1	2	2	58	.07	.012	2	3	.04	5	.12	2	.50	.01	.01	1
S L2S 300E	1	6	5	7	.1	2	2	27	1.28	2	5	ND	1	5	1	2	2	54	.06	.018	2	8	.09	7	.08	2	.27	.01	.02	1
S L1S 500W	12	4	7	39	.1	1	2	315	8.36	188	5	ND	1	4	1	2	2	112	.88	.029	2	23	.01	3	.16	2	.50	.02	.01	3
S L1S 475W	3	27	10	20	.2	5	3	139	6.77	44	5	ND	4	7	1	2	2	144	.15	.033	2	51	.16	7	.24	2	5.19	.02	.02	1
S L1S 450W	1	8	11	18	.2	2	1	64	2.79	15	5	ND	1	7	1	2	2	107	.18	.027	2	11	.07	6	.13	2	.87	.01	.01	1
S L1S 425W	1	38	7	26	.2	5	3	98	6.25	22	5	ND	3	7	1	2	2	148	.14	.014	2	43	.19	7	.26	2	4.47	.02	.01	1
S L1S 400W	3	12	11	18	.1	4	7	232	3.63	39	5	ND	1	9	1	2	2	111	.17	.016	2	19	.14	6	.19	2	1.13	.02	.01	1
S L1S 375W	1	17	12	24	.3	5	4	81	4.44	59	5	ND	2	8	1	2	2	128	.16	.014	3	28	.21	11	.26	2	2.03	.02	.02	1
STD C	18	57	38	131	7.1	64	26	1025	3.94	40	20	7	38	49	17	12	19	56	.49	.084	37	58	.87	175	.08	31	1.84	.08	.13	11

	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L1S 350W	11	340	65	660	1.3	8	837	14587	7.88	1110	5	ND	3	11	6	2	3	130	.39	.026	4	35	.13	16	.16	2	2.68	.02	.01	1
S L1S 325W	6	176	70	387	1.7	3	103	2142	14.65	2440	5	ND	2	10	1	3	8	132	2.17	.032	2	17	.05	8	.14	8	1.01	.02	.01	1
S L1S 300W	11	799	187	953	5.0	2	215	6244	41.42	3045	5	ND	5	2	4	2	6	86	1.08	.059	2	13	.03	12	.07	30	.81	.04	.01	1
S L1S 275W	5	311	119	398	4.3	8	11	703	32.66	705	5	ND	3	2	1	2	17	40	1.85	.037	2	1	.03	4	.06	10	.28	.02	.02	2
S L1S 250W	3	79	43	67	1.0	2	3	188	8.40	267	5	ND	2	6	1	2	3	174	.57	.016	2	24	.05	3	.28	2	1.17	.02	.02	1
S L1S 225W	8	119	22	85	1.5	4	6	319	9.24	221	7	ND	3	5	1	2	2	171	.48	.023	2	44	.12	5	.22	2	2.77	.02	.02	1
S L1S 200W	11	133	19	128	.9	3	4	831	9.59	159	5	ND	2	4	1	2	2	222	.76	.031	2	27	.05	3	.16	2	.69	.02	.01	4
S L1S 175W	11	16	59	221	.8	2	13	1398	11.84	640	5	ND	3	5	1	3	3	271	1.09	.067	2	49	.05	7	.37	2	1.26	.02	.01	2
S L1S 150W	9	20	39	510	1.2	11	33	1501	11.69	610	8	ND	4	4	1	2	4	169	1.39	.079	3	65	.20	8	.23	2	3.15	.02	.01	1
S L1S 125W	12	25	52	429	1.6	6	22	2177	7.73	666	5	ND	2	7	1	2	2	165	1.15	.066	2	34	.10	13	.19	2	1.57	.02	.01	1
S L1S 100W	5	21	70	271	2.2	6	64	3996	11.88	1340	5	ND	3	7	1	2	11	122	1.37	.130	6	54	.07	11	.15	2	2.77	.02	.02	9
S L1S 075W	2	41	18	34	1.0	5	5	399	5.22	114	5	ND	2	8	1	2	2	89	.16	.048	4	27	.21	8	.19	2	3.09	.02	.01	1
S L1S 050W	2	23	16	23	.8	4	6	1906	4.87	112	5	ND	1	12	1	2	2	111	.20	.050	4	25	.09	11	.25	3	1.59	.02	.01	1
S L1S 025W	1	37	13	35	.4	5	4	238	4.17	40	5	ND	2	8	1	2	2	82	.15	.027	3	24	.24	8	.18	2	3.02	.02	.02	1
S L1S 000	4	21	13	26	.4	3	2	204	5.93	140	5	ND	2	10	1	2	2	95	.31	.025	3	26	.15	6	.22	6	2.75	.02	.01	1
S L1S 025E	1	11	11	14	.1	3	2	113	3.78	18	5	ND	2	7	1	2	2	103	.19	.017	2	21	.15	6	.18	3	1.71	.02	.01	1
S L1S 050E	1	12	4	9	.1	3	2	79	2.88	2	5	ND	2	4	1	2	2	77	.08	.011	2	19	.12	7	.14	2	2.12	.01	.02	1
S L1S 075E	5	4	9	8	.2	1	1	45	1.64	12	5	ND	1	4	1	2	2	48	.06	.007	2	5	.08	4	.10	2	.78	.01	.02	2
S L1S 100E	3	5	6	4	.1	1	1	26	1.38	12	5	ND	1	2	1	4	2	43	.03	.005	2	8	.05	3	.08	2	.84	.01	.01	3
S L1S 125E	1	15	13	16	.2	3	2	90	5.83	2	5	ND	3	7	1	2	2	139	.09	.017	2	28	.18	12	.27	2	3.87	.02	.01	1
S L1S 150E	1	7	9	8	.1	2	2	57	3.27	2	5	ND	2	9	1	2	2	122	.17	.008	3	11	.06	5	.19	2	1.62	.02	.02	1
S L1S 175E	1	5	11	6	.2	1	1	27	4.77	2	5	ND	2	3	1	2	2	155	.06	.009	2	11	.05	5	.26	2	1.18	.01	.01	1
S L1S 200E	1	1	11	3	.1	1	1	25	.58	3	5	ND	1	7	1	2	2	69	.14	.007	2	3	.03	6	.19	2	.60	.01	.02	1
S L1S 225E	1	6	7	8	.1	2	2	45	5.73	4	5	ND	2	5	1	2	2	179	.08	.017	2	16	.07	5	.26	2	1.18	.02	.01	1
S L1S 250E	1	1	7	7	.1	1	2	60	3.29	2	5	ND	1	12	1	2	2	141	.10	.009	2	9	.16	10	.21	2	.76	.02	.02	1
S L1S 275E	1	7	9	14	.1	2	2	75	6.52	5	5	ND	2	5	1	2	2	153	.08	.020	2	14	.17	7	.21	2	2.45	.02	.01	1
S L1S 300E	1	7	9	13	.1	2	2	83	6.96	2	5	ND	2	3	1	2	2	229	.03	.014	2	11	.18	8	.37	2	1.35	.01	.01	1
S L0 500W	7	305	12	150	1.7	13	41	1298	9.96	85	5	ND	2	6	1	2	2	115	.96	.038	3	52	.24	10	.19	2	4.35	.02	.01	1
S L0 475W	2	154	12	56	.8	8	10	246	8.36	268	5	ND	4	5	1	2	2	154	.47	.019	2	76	.17	7	.29	2	3.99	.02	.01	1
S L0 450W	2	18	9	11	.2	2	2	109	3.74	77	5	ND	1	3	1	2	2	133	.17	.009	2	18	.04	4	.17	2	.69	.01	.02	1
S L0 425W	6	78	10	105	.8	9	10	208	6.41	204	5	ND	3	8	1	2	2	129	.27	.016	2	46	.20	9	.23	3	8.74	.02	.01	1
S L0 400W	6	10	8	16	.1	5	3	121	6.31	33	5	ND	1	7	1	2	2	220	.32	.012	2	47	.09	5	.20	2	1.18	.01	.01	1
S L0 375W	1	13	8	14	.2	4	3	42	7.41	12	5	ND	1	5	1	2	2	244	.11	.011	2	39	.08	3	.30	2	1.09	.01	.01	1
S L0 350W	1	14	17	19	.2	7	3	64	4.85	12	5	ND	1	8	1	2	2	267	.16	.008	2	26	.20	4	.32	2	1.21	.02	.02	1
S L0 325W	1	17	10	15	.3	8	3	60	4.17	5	5	ND	1	6	1	2	2	291	.12	.011	2	40	.24	5	.28	2	1.55	.02	.02	1
S L0 300W	1	12	14	15	.4	6	4	90	5.38	7	5	ND	1	8	1	2	2	217	.13	.015	2	29	.19	5	.23	2	1.05	.02	.02	1
S L0 275W	1	4	10	9	.1	4	1	44	2.66	4	5	ND	1	6	1	2	2	137	.14	.006	2	23	.11	3	.15	2	.56	.01	.01	1
S L0 250W	1	1	7	13	.1	7	2	68	1.24	4	5	ND	1	7	1	2	2	84	.13	.006	2	9	.20	3	.08	2	.40	.01	.02	1
S L0 150E	1	6	8	16	.3	4	5	234	3.72	6	5	ND	1	6	1	2	2	86	.08	.019	4	17	.24	14	.19	2	1.26	.02	.02	1
STD C	18	58	37	134	7.1	65	26	1043	4.02	40	19	7	38	49	17	17	21	57	.50	.083	37	58	.89	176	.08	37	1.88	.08	.12	12

		CU	ZN	NI	MN	S	U	TI	CD	BI	CA	LA	MG	TI	AL	K	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S L0 200E	1	2	8	4	.3	1	2	64	1.29	2	5	ND	2	11	1	2	2	96	.23	.006	5	5	.04	8	.21	2	.83	.02	.03	1
S L0 225E	1	3	8	6	.1	1	1	25	.60	2	5	ND	1	11	1	3	2	82	.14	.026	3	5	.04	11	.20	3	.80	.02	.03	1
S L0 250E	1	10	12	16	.1	3	2	73	8.50	9	5	ND	4	8	1	2	2	159	.13	.022	2	36	.14	7	.31	2	3.78	.02	.02	2
S L0 275E	1	7	9	18	.1	5	5	238	4.34	2	5	ND	2	9	1	2	2	97	.12	.020	4	19	.25	15	.23	2	1.54	.02	.03	1
S L0 300E	1	4	10	8	.1	1	1	48	4.69	3	5	ND	2	8	1	2	2	157	.15	.013	3	12	.05	5	.33	2	1.19	.02	.02	2
S L1N 500W	1	40	11	41	.6	11	6	294	8.11	68	5	ND	2	7	1	2	3	167	.80	.021	2	87	.26	5	.24	2	2.06	.02	.01	1
S L1N 475W	1	30	17	45	.8	8	5	273	11.98	58	5	ND	2	11	1	2	2	239	.75	.025	2	65	.17	9	.34	2	2.07	.03	.01	3
S L1N 450W	1	9	13	27	.7	8	4	364	3.70	6	5	ND	2	10	1	2	2	175	.61	.013	2	48	.27	6	.26	2	1.21	.02	.01	1
S L1N 425W	1	9	7	15	.1	6	3	48	7.53	4	5	ND	1	6	1	2	3	289	.10	.016	2	104	.13	5	.26	2	1.19	.02	.01	1
S L1N 400W	1	2	3	8	.1	19	3	66	.79	2	5	ND	1	7	1	2	2	36	.15	.006	2	106	.32	3	.06	2	.40	.02	.01	1
S L1N 375W	1	2	9	9	.1	13	2	53	.84	4	5	ND	1	11	1	2	2	61	.27	.009	2	61	.29	5	.09	2	.64	.03	.03	1
S L1N 350W	1	5	7	7	.1	3	1	84	1.67	3	5	ND	1	12	1	2	2	91	.27	.004	3	16	.10	5	.17	2	.90	.02	.01	1
S L1N 325W	1	6	12	10	.1	4	2	104	2.34	2	5	ND	1	11	1	2	2	113	.21	.011	2	19	.13	6	.21	2	.86	.02	.02	1
S L1N 300W	1	2	2	9	.5	5	1	36	.60	2	5	ND	1	10	1	3	2	44	.27	.012	2	9	.07	2	.06	3	.34	.02	.02	1
S L1N 275W	1	1	4	3	.2	1	1	70	1.29	2	5	ND	1	28	1	3	2	96	.50	.007	2	3	.03	1	.13	3	.39	.02	.01	1
S L1N 250W	1	2	4	4	.3	2	1	75	.53	3	5	ND	1	16	1	3	2	56	.34	.004	2	3	.03	1	.11	2	.34	.02	.01	1
S L1N 150E	1	6	9	12	.1	4	2	72	4.68	7	5	ND	2	8	1	2	2	114	.15	.015	3	26	.15	10	.25	2	1.68	.02	.01	1
S L1N 175E	1	17	9	13	.1	4	5	67	6.72	4	5	ND	2	4	1	2	2	225	.05	.019	2	20	.14	11	.36	2	1.30	.02	.03	1
S L1N 200E	1	9	7	9	.1	2	4	49	1.62	6	5	ND	1	6	1	2	2	97	.12	.026	2	6	.09	9	.20	2	.61	.02	.03	1
S L1N 225E	1	8	11	11	.1	2	3	66	4.91	4	5	ND	1	5	1	2	2	201	.09	.023	2	9	.12	8	.32	2	1.14	.02	.02	2
S L1N 250E	1	3	9	31	.2	5	6	276	1.55	2	6	ND	2	19	1	2	2	57	.29	.010	4	13	.43	26	.11	2	1.81	.03	.05	1
S L1N 275E	1	5	7	11	.1	3	2	71	3.42	4	5	ND	1	9	1	2	2	109	.16	.028	3	11	.15	8	.19	3	1.03	.02	.03	1
S L1N 300E	1	6	9	9	.1	2	2	55	2.39	3	5	ND	1	10	1	2	2	136	.18	.018	3	8	.10	9	.30	2	1.05	.02	.02	1
S L2N 500W	1	7	9	7	.1	2	1	98	1.61	2	5	ND	1	16	1	2	2	108	.50	.006	2	16	.04	4	.25	3	.67	.02	.01	1
S L2N 475W	1	24	10	20	24.9	3	3	253	4.41	18	5	137	1	16	1	2	7	143	1.26	.012	2	21	.03	4	.23	2	1.13	.02	.01	1
S L2N 450W	1	19	7	13	.1	5	2	84	4.48	3	5	ND	2	11	1	2	2	141	.21	.012	2	39	.17	6	.34	2	2.06	.02	.01	1
S L2N 425W	1	16	11	11	.8	4	2	70	4.95	2	5	ND	2	9	1	2	2	154	.16	.013	2	33	.13	7	.32	2	1.69	.02	.03	1
S L2N 400W	1	36	10	13	.1	4	2	73	7.04	3	5	ND	2	7	1	2	2	180	.11	.023	2	41	.13	6	.26	2	4.38	.02	.01	1
S L2N 375W	1	22	10	14	.1	3	3	44	9.07	2	5	ND	3	4	1	2	2	197	.07	.025	2	60	.09	6	.28	2	6.13	.02	.02	1
S L2N 350W	1	1	5	4	.1	2	1	84	.54	2	8	ND	1	7	1	2	2	59	.17	.006	2	9	.03	1	.14	2	.25	.01	.02	1
S L2N 325W	1	8	10	10	.1	3	3	61	4.89	3	5	ND	2	11	1	2	2	145	.22	.003	3	30	.04	6	.12	2	.90	.01	.02	1
S L2N 300W	1	3	6	7	.2	3	2	135	2.35	3	6	ND	2	17	1	2	2	149	.40	.006	2	21	.08	6	.15	2	.59	.02	.02	1
S L2N 275W	1	2	6	6	.1	4	1	44	.63	3	5	ND	1	10	1	2	2	50	.31	.014	2	43	.11	3	.09	2	.45	.02	.01	1
S L2N 250W	1	5	9	12	.1	8	2	132	2.30	2	5	ND	1	17	1	2	2	137	.43	.007	3	36	.30	6	.21	2	1.03	.03	.01	1
S L2N 150E	1	8	6	12	.1	3	3	78	3.18	4	5	ND	2	14	1	2	2	80	.22	.010	3	11	.25	12	.21	3	1.43	.02	.03	1
S L2N 175E	1	5	9	13	.1	3	3	54	5.19	10	5	ND	2	13	1	2	2	154	.21	.023	3	19	.11	12	.31	3	1.46	.02	.02	1
S L2N 200E	1	7	14	13	.1	3	1	49	6.45	4	5	ND	3	7	1	2	2	213	.12	.019	3	27	.10	8	.37	2	2.13	.02	.04	1
S L2N 225E	1	6	8	9	.1	2	2	47	6.42	2	5	ND	2	4	1	2	2	212	.08	.013	3	21	.04	6	.31	2	1.24	.02	.01	1
S L2N 250E	1	9	6	12	.1	3	3	54	6.35	6	3	ND	2	6	1	2	2	145	.10	.014	3	23	.11	7	.29	2	3.05	.02	.01	1
STD C	18	58	38	131	7.3	67	27	1026	3.95	41	23	7	39	50	18	18	22	56	.49	.084	37	57	.87	178	.08	36	1.85	.08	.12	13

SA	CU PPM	CU PPM	N PPM	N PPM	I PPM	I PPM	C PPM	C PPM	F %	F PPM	U PPM	U PPM	TH PPM	TH PPM	CD PPM	CD PPM	BI PPM	BI PPM	CA %	CA %	LA PPM	LA PPM	MG %	MG PPM	TI %	TI PPM	AL %	AL %	K %	K %	PPM
S L2N 275E	1	8	8	10	.1	2	3	61	5.88	3	5	ND	2	6	1	2	2	212	.12	.006	3	32	.05	7	.30	2	1.23	.02	.01	1
S L2N 300E	1	3	8	9	.1	2	1	66	1.64	2	5	ND	1	7	1	3	2	122	.14	.006	2	7	.08	6	.22	2	1.26	.02	.01	1
S L3N 500W	1	84	15	24	.3	4	2	151	6.38	2	5	ND	2	18	1	2	2	190	.38	.012	2	33	.15	7	.47	2	2.28	.03	.01	1
S L3N 475W	1	21	9	20	.4	5	2	138	5.67	2	5	ND	2	18	1	2	2	166	.44	.011	3	44	.17	9	.31	2	2.86	.03	.01	1
S L3N 450W	1	23	10	23	.3	7	4	168	6.35	2	5	ND	1	17	1	2	2	171	.31	.027	2	48	.24	9	.32	2	2.14	.03	.01	1
S L3N 425W	2	87	11	29	.9	4	4	436	7.44	15	5	ND	3	15	1	2	2	120	2.49	.034	2	50	.10	4	.23	2	3.04	.02	.01	1
S L3N 400W	1	29	7	24	.3	8	3	245	5.62	2	5	ND	2	21	1	2	2	143	.33	.028	2	64	.22	11	.42	3	2.64	.03	.01	1
S L3N 375W	1	26	9	27	.4	9	4	221	6.26	3	5	ND	2	16	1	2	2	127	.30	.026	2	63	.20	11	.36	2	3.77	.03	.02	1
S L3N 350W	1	172	8	63	.3	36	12	582	3.51	8	5	ND	1	20	1	2	2	72	.34	.055	3	64	.69	25	.22	4	5.73	.03	.02	1
S L3N 325W	1	14	9	9	.2	3	1	95	1.76	2	5	ND	1	18	1	2	2	128	.39	.009	2	24	.07	5	.30	2	.70	.02	.01	1
S L3N 300W	1	11	9	9	.1	3	1	97	1.45	2	5	ND	1	16	1	3	2	121	.34	.010	2	22	.08	6	.34	2	.55	.02	.01	1
S L3N 275W	1	5	5	7	.1	3	2	94	1.29	2	5	ND	1	8	1	2	2	108	.20	.009	2	14	.07	5	.32	2	.51	.02	.01	1
S L3N 250W	1	23	9	19	.6	6	4	93	8.10	2	5	ND	2	11	1	2	2	160	.22	.015	2	46	.13	8	.43	2	3.58	.03	.01	1
S L3N 025E	4	106	13	19	.6	4	27	799	2.61	14	5	ND	1	24	1	5	2	98	.59	.018	2	15	.07	8	.21	15	1.18	.02	.02	1
S L3N 050E	2	25	12	16	.2	4	4	124	3.16	13	5	ND	1	22	1	3	3	113	.43	.010	2	14	.08	8	.22	4	1.22	.02	.01	1
S L3N 075E	2	23	11	28	.2	9	10	409	4.16	8	5	ND	1	23	1	2	2	127	.28	.011	2	30	.63	16	.26	3	1.86	.03	.03	1
S L3N 100E	3	10	11	12	.2	4	4	125	3.62	6	5	ND	1	16	1	2	2	114	.22	.015	3	16	.12	8	.26	2	1.30	.02	.01	1
S L3N 125E	7	18	10	21	.4	4	6	154	7.73	19	5	ND	2	10	1	2	2	155	.18	.021	3	29	.12	9	.27	2	2.71	.02	.02	1
S L3N 150E	1	16	13	17	.4	3	3	61	9.76	9	5	ND	3	6	1	2	2	171	.11	.021	2	38	.15	7	.32	2	3.51	.02	.02	1
S L3N 175E	1	2	9	6	.1	1	1	60	1.65	2	5	ND	1	10	1	2	2	116	.21	.006	2	9	.08	9	.24	2	.80	.02	.01	1
S L3N 200E	11	37	20	12	.5	4	2	111	1.08	10	5	ND	1	14	1	2	2	65	.18	.042	7	14	.14	24	.22	3	1.36	.02	.04	1
S L3N 225E	1	8	9	12	.2	3	3	69	6.44	3	5	ND	2	6	1	2	2	202	.14	.010	2	25	.11	7	.28	2	1.41	.02	.01	1
S L3N 250E	1	7	7	13	.1	3	3	85	5.65	4	5	ND	2	9	1	2	2	150	.17	.010	2	23	.17	6	.29	2	1.99	.02	.01	1
S L3N 275E	35	80	64	22	.6	5	6	186	3.93	7	5	ND	1	13	1	2	2	76	.23	.075	6	13	.17	19	.17	2	1.41	.03	.05	1
S L3N 300E	2	4	13	13	.2	2	1	83	2.15	25	5	ND	1	11	1	2	2	92	.22	.015	3	9	.09	8	.20	3	.93	.02	.03	1
S L4N 450W	1	35	9	24	.4	10	4	127	7.38	9	5	ND	3	12	1	2	2	144	.23	.019	3	83	.24	10	.24	2	5.95	.03	.03	1
S L4N 425W	1	37	9	25	.4	10	4	136	7.28	10	5	ND	3	12	1	2	2	144	.23	.022	3	84	.25	11	.25	3	6.61	.03	.02	1
S L4N 400W	2	19	9	17	.3	5	4	68	10.96	7	5	ND	2	14	1	2	2	210	.22	.013	2	42	.14	9	.34	3	1.97	.03	.01	1
S L4N 375W	1	34	8	24	.1	11	6	219	4.93	5	5	ND	1	18	1	2	2	126	.33	.029	2	42	.39	13	.19	3	2.13	.04	.02	2
S L4N 350W	1	25	8	18	.6	7	5	136	6.71	6	5	ND	2	13	1	2	2	166	.24	.018	3	42	.24	8	.25	2	2.95	.03	.02	1
S L4N 325W	1	29	4	36	.3	12	12	1867	3.17	7	5	ND	1	24	1	2	2	88	.45	.039	3	32	.51	17	.11	3	2.65	.05	.02	1
S L4N 300W	1	24	6	14	.3	5	4	113	4.44	5	5	ND	2	12	1	2	3	127	.16	.018	3	27	.18	9	.22	2	2.27	.02	.02	1
S L4N 275W	1	63	6	29	.4	11	9	260	5.75	9	5	ND	2	38	1	2	2	108	.28	.032	4	50	.62	25	.26	3	4.83	.03	.03	1
S L4N 250W	1	57	9	22	.7	7	5	148	7.20	14	5	ND	3	13	1	2	2	144	.21	.027	4	46	.24	10	.27	2	6.01	.03	.03	1
S L4N 150E	1	5	8	10	.1	2	2	83	4.22	2	5	ND	1	11	1	2	2	153	.19	.011	3	15	.11	7	.28	2	1.46	.02	.02	1
STD C	18	57	35	132	7.1	67	26	1025	3.99	41	23	6	38	49	17	18	22	55	.50	.083	36	58	.88	175	.08	31	1.86	.08	.13	13

	S	CU	ZN	I	N	F		TI	CD	BI	CA	LA	MG	TI	AL	K			
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S L4N 175E	2	12	14	14	.1	3	2	49	7.95	7	5	ND	3	5	1	2	2	133	.10	.030	2	39	.10	7	.26	2	3.07	.02	.02	1
S L4N 200E	1	20	15	16	.1	4	3	66	7.72	6	5	ND	4	5	1	2	2	151	.09	.022	2	42	.18	6	.29	2	6.16	.02	.03	2
S L4N 225E	1	11	13	20	.1	4	3	60	7.26	7	5	ND	2	8	1	2	2	171	.13	.017	2	37	.17	7	.28	2	2.88	.02	.01	2
S L4N 250E	1	6	11	10	.1	4	2	41	.79	2	5	ND	1	16	1	2	2	44	.26	.044	2	8	.15	11	.11	2	.60	.02	.03	1
S L4N 275E	1	13	10	17	.1	3	3	72	5.88	5	5	ND	3	7	1	2	2	122	.10	.019	2	30	.11	10	.23	2	3.16	.02	.03	1
S L4N 300E	5	15	14	48	.1	6	5	275	3.55	54	5	ND	1	11	1	2	2	82	.22	.029	2	18	.36	12	.16	3	1.09	.02	.04	1
S L5N 450W	1	7	5	5	.1	4	1	31	1.48	2	5	ND	1	7	1	2	2	95	.12	.004	2	35	.07	3	.13	2	.46	.01	.01	1
S L5N 425W	1	5	7	7	.1	2	3	147	2.54	2	5	ND	1	8	1	2	2	88	.15	.010	2	11	.07	4	.15	2	.92	.01	.02	1
S L5N 400W	1	16	9	14	.1	4	4	52	8.55	5	5	ND	3	7	1	2	2	176	.09	.020	2	53	.12	5	.27	2	2.85	.02	.01	1
S L5N 375W	1	5	11	11	.1	2	1	51	4.92	3	5	ND	1	11	1	2	2	211	.14	.022	2	14	.09	7	.24	2	.99	.02	.03	1
S L5N 350W	1	18	11	20	.3	4	3	62	6.30	2	5	ND	3	7	1	2	2	158	.10	.020	2	41	.13	7	.24	2	2.50	.02	.03	1
S L5N 325W	1	17	9	19	.2	5	3	65	6.53	5	5	ND	2	9	1	2	2	162	.11	.020	2	40	.13	8	.24	2	2.03	.02	.02	1
S L5N 300W	1	4	8	7	.1	2	2	139	3.12	2	5	ND	1	6	1	2	2	102	.12	.009	2	11	.06	5	.16	2	.93	.01	.01	1
S L5N 275W	6	29	14	38	.6	2	7	424	6.76	68	5	ND	2	8	1	2	2	156	.97	.023	2	27	.04	4	.30	2	1.47	.02	.02	1
S L5N 250W	4	111	10	75	.7	12	45	742	3.71	830	5	ND	3	8	1	2	2	55	.13	.059	5	33	.18	12	.14	2	8.25	.02	.01	1
S L5N 150E	1	19	7	14	.1	4	2	69	4.36	10	5	ND	3	8	1	2	2	88	.12	.025	3	33	.17	8	.21	2	4.69	.02	.01	1
S L5N 175E	1	8	8	10	.1	3	2	54	5.89	2	5	ND	2	4	1	2	2	147	.08	.012	2	21	.06	4	.23	2	1.27	.01	.02	1
S L5N 200E	1	3	3	4	.1	2	2	33	1.08	2	5	ND	1	5	1	2	2	72	.10	.008	2	11	.06	4	.12	4	.42	.01	.01	1
S L5N 225E	1	1	3	5	.1	3	2	23	1.96	2	5	ND	1	5	1	2	2	66	.09	.010	2	47	.02	3	.05	3	.20	.01	.02	1
S L5N 250E	1	2	7	12	.1	3	4	160	3.84	2	5	ND	1	7	1	2	2	113	.14	.006	2	18	.30	8	.16	2	.99	.02	.04	1
S L5N 275E	1	1	7	4	.1	1	1	33	1.54	2	6	ND	1	5	1	2	2	79	.09	.006	2	9	.05	5	.12	2	.74	.01	.02	1
S L5N 300E	1	2	4	5	.1	1	1	21	1.06	2	5	ND	1	5	1	2	2	58	.06	.023	2	7	.05	8	.08	2	.53	.01	.02	1
S L6N 500W	1	9	6	12	.1	3	3	56	4.66	4	5	ND	1	9	1	2	2	126	.17	.014	2	25	.08	4	.20	2	1.01	.02	.02	1
S L6N 475W	1	22	8	21	.4	7	6	216	4.26	6	5	ND	1	13	1	2	2	107	.21	.036	2	22	.26	10	.16	3	1.28	.03	.04	1
S L6N 450W	1	4	9	7	.1	2	1	92	1.22	2	5	ND	1	8	1	2	2	41	.11	.018	3	7	.07	7	.11	2	.52	.01	.03	1
S L6N 425W	1	5	7	7	.1	5	1	76	.76	3	5	ND	1	32	1	2	2	54	.27	.028	2	19	.13	10	.20	2	.61	.02	.03	1
S L6N 400W	1	6	7	8	.1	3	1	42	2.10	2	5	ND	1	15	1	2	2	108	.22	.008	2	23	.08	7	.18	2	.74	.02	.02	1
S L6N 375W	1	14	8	10	.1	4	2	68	5.51	2	5	ND	1	14	1	2	2	147	.26	.008	2	40	.08	10	.29	2	1.17	.02	.01	1
S L6N 350W	1	31	8	15	.1	6	4	97	5.95	5	5	ND	2	9	1	2	2	122	.13	.018	2	56	.10	5	.25	2	3.29	.02	.02	1
S L6N 325W	1	10	12	14	.2	4	2	84	6.09	3	5	ND	2	25	1	2	2	195	.39	.008	2	40	.08	10	.27	2	1.33	.02	.03	1
S L6N 300W	1	20	10	27	.1	20	13	300	5.86	4	5	ND	2	13	1	2	2	115	.23	.025	2	91	.44	6	.21	2	2.91	.03	.02	1
S L6N 275W	1	16	7	18	.3	4	3	322	6.39	3	5	ND	2	8	1	2	2	159	.16	.016	2	34	.11	11	.23	2	1.63	.02	.03	1
S L6N 250W	2	13	28	14	.1	5	4	97	6.52	8	5	ND	1	10	1	2	2	163	.12	.019	2	27	.12	171	.26	2	1.61	.02	.02	1
S L7N 500W	1	11	9	28	.1	8	8	171	7.61	34	5	ND	2	13	1	3	2	132	.16	.021	2	38	.18	10	.24	2	2.61	.02	.03	1
S L7N 475W	1	11	9	21	.1	8	4	127	6.50	21	5	ND	2	15	1	2	2	131	.18	.025	3	47	.19	11	.25	2	1.93	.02	.01	1
S L7N 450W	1	30	8	16	.2	6	4	72	8.04	11	5	ND	2	8	1	2	2	146	.12	.012	2	35	.14	6	.24	2	1.99	.02	.01	1
S L7N 425W	1	21	14	18	.4	7	7	220	5.49	7	5	ND	2	13	1	3	2	141	.20	.035	2	27	.19	12	.28	2	1.53	.03	.04	1
S L7N 400W	1	54	9	14	.2	11	3	67	6.46	4	5	ND	2	6	1	2	2	124	.12	.016	2	72	.16	8	.24	2	2.91	.02	.02	1
S L7N 375W	1	16	6	13	.5	10	9	301	3.12	2	8	ND	1	12	1	2	2	64	.16	.042	2	22	.20	10	.17	2	1.16	.02	.04	1
STD C	18	57	37	132	7.1	66	26	1026	3.95	40	27	7	39	49	17	11	21	56	.49	.083	37	56	.87	175	.08	31	1.84	.07	.13	13

SA	CU PPM	N PPM	I PPM	N PPM	FE %	LI PPM	TH PPM	CD PPM	BI PPM	CA %	LA PPM	MG %	TI %	AL %	K %	PPM
S L7N 350W	1 18	7	10	.2	6	3	72	4.91	5	5	ND	2	8	1	2	2	137	.07	.020	2	32	.14	8	.21	2	1.18	.02	.02	2
S L7N 325W	2 15	6	13	.3	7	4	85	5.74	5	5	ND	2	5	1	4	2	102	.05	.019	2	43	.16	8	.22	2	2.11	.01	.02	2
S L7N 300W	2 13	6	11	.1	4	3	55	4.05	4	5	ND	1	6	1	2	2	110	.08	.014	2	21	.20	8	.16	2	1.18	.02	.01	1
S L7N 275W	1 4	6	5	.1	1	2	27	2.80	2	5	ND	1	4	1	2	2	129	.06	.007	2	14	.05	5	.17	2	.61	.01	.02	1
S L7N 250W	7 21	35	15	.9	5	2	67	3.32	63	5	ND	2	11	1	4	2	68	.13	.065	3	16	.09	14	.08	4	.85	.02	.06	2
S L7N 150E	2 6	8	11	.2	5	2	68	.74	5	6	ND	1	11	1	2	2	29	.18	.011	2	14	.25	17	.10	2	1.18	.02	.01	1
S L7N 175E	3 181	8	47	.2	18	14	233	4.18	18	5	ND	1	72	1	3	2	100	.69	.030	2	53	1.85	46	.28	4	2.62	.18	.42	2
S L7N 225E	2 10	6	7	.4	2	2	21	.41	5	5	ND	1	15	1	2	2	11	.12	.039	2	6	.08	12	.03	4	.43	.02	.03	1
S L7N 250E	1 2	8	4	1.3	1	1	17	.53	2	5	5	1	3	1	2	2	49	.05	.010	2	4	.03	4	.15	2	.46	.01	.01	1
S L7N 275E	1 5	8	12	.1	1	1	15	.11	5	5	ND	1	38	1	2	2	2	.32	.045	2	1	.14	16	.01	4	.08	.02	.03	1

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

V248

DATE RECEIVED: OCT 30 1987 DATE REPORT MAILED: Nov 3/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT # 87749 File # 87-5300 Page 1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L1+70N 4+55W	1	12	19	17	.8	4	3	42	1.65	2	5	ND	2	10	1	3	2	132	.16	.041	2	23	.06	8	.16	3	.64	.01	.04	1
S L1+70N 4+65W	1	6	12	5	.3	3	2	49	3.10	5	5	ND	2	6	1	2	2	252	.10	.012	2	10	.05	3	.17	3	.55	.01	.02	1
S L1+70N 4+75W	1	3	2	2	.1	3	1	13	.16	2	5	ND	1	4	1	2	2	13	.11	.007	2	4	.03	1	.02	2	.17	.01	.01	1
S L1+70N 4+85W	1	3	10	6	.5	4	1	35	.53	2	5	ND	1	7	1	2	2	43	.16	.020	2	25	.07	3	.08	2	.26	.01	.03	1
S L1+70N 4+100W	1	5	6	4	.1	3	1	38	.56	2	5	ND	1	9	1	2	2	38	.21	.010	2	19	.09	2	.05	2	.33	.01	.01	1
S L1+80N 4+55W	1	9	10	5	.4	1	3	49	1.26	4	5	ND	1	13	1	2	2	121	.20	.018	2	16	.04	6	.20	3	.56	.01	.02	1
S L1+80N 4+65W	1	9	9	8	.5	4	2	29	.67	3	5	ND	1	10	1	2	2	26	.11	.042	2	5	.04	12	.05	3	.67	.01	.03	1
S L1+80N 4+75W	1	7	6	5	.4	3	2	29	.91	2	5	ND	1	6	1	2	2	81	.09	.019	2	11	.06	3	.09	2	.47	.01	.02	1
S L1+80N 4+85W	1	3	5	2	.2	2	1	20	.59	3	5	ND	1	3	1	2	2	47	.04	.004	2	3	.03	2	.07	2	.18	.01	.01	1
S L1+80N 4+100W	1	5	9	4	.4	1	1	26	.54	2	5	ND	1	5	1	2	2	76	.10	.015	2	8	.03	3	.13	3	.18	.01	.02	1
S L1+90N 4+55W	1	8	12	14	.3	9	3	260	2.22	2	5	ND	1	13	1	2	2	95	.32	.026	2	52	.16	12	.12	3	.52	.01	.03	1
S L1+90N 4+65W	1	19	17	16	.9	6	4	97	1.50	5	5	ND	1	17	1	2	2	49	.18	.085	2	8	.07	20	.04	6	.85	.01	.06	1
S L1+90N 4+75W	2	26	16	17	.9	6	8	160	11.33	13	5	ND	1	7	1	5	2	771	.06	.035	2	40	.14	8	.23	2	1.68	.01	.03	1
S L1+90N 4+85W	1	15	4	4	.8	4	3	35	.63	2	5	ND	1	6	1	2	2	29	.13	.017	2	7	.09	2	.04	2	.38	.01	.02	1
S L1+90N 4+100W	1	9	15	10	.7	8	2	51	.77	2	5	ND	1	13	1	2	2	42	.23	.051	2	30	.13	9	.07	3	.53	.02	.05	1
S L2+00N 4+55W	1	6	9	4	.2	2	2	71	1.30	2	5	ND	1	9	1	2	2	110	.15	.010	2	14	.03	8	.21	2	.46	.01	.02	1
S L2+00N 4+65W	1	6	5	5	.2	3	2	72	.82	2	5	ND	1	8	1	2	2	77	.15	.017	2	22	.07	4	.09	2	.53	.01	.02	1
S L2+00N 4+75W	1	17	3	8	.1	6	4	70	2.87	2	5	ND	1	8	1	2	2	158	.10	.015	2	13	.11	5	.14	2	.58	.01	.02	1
S L2+00N 4+85W	1	2	7	6	.4	16	3	46	.82	3	5	ND	2	9	1	2	3	53	.12	.024	2	27	.17	2	.06	2	.42	.01	.01	1
S L2+00N 4+100W	1	4	9	5	.2	3	2	45	1.84	2	5	ND	1	4	1	2	2	143	.05	.010	2	14	.08	2	.10	2	.38	.01	.01	1
S L2+10N 4+55W	1	9	7	6	.1	4	3	203	2.25	2	5	ND	1	9	1	2	2	121	.11	.009	2	26	.05	5	.21	2	.62	.01	.01	1
S L2+10N 4+65W	1	10	8	8	.6	5	2	30	.49	2	5	ND	1	5	1	2	2	18	.08	.052	2	28	.07	2	.02	3	.34	.01	.05	1
S L2+10N 4+75W	1	28	9	9	.2	8	6	222	3.01	2	5	ND	1	9	1	2	2	189	.09	.013	2	16	.15	4	.18	2	.69	.01	.02	1
S L2+10N 4+85W	1	3	8	5	.2	5	3	46	.71	2	5	ND	1	8	1	2	2	54	.17	.015	2	24	.12	2	.07	2	.38	.01	.02	1
S L2+10N 4+100W	1	10	13	11	.3	8	2	42	.89	2	5	ND	1	11	1	2	2	72	.18	.051	2	26	.13	5	.08	3	.50	.01	.05	1
S L2+20N 4+55W	1	12	4	8	.2	6	4	93	4.54	5	5	ND	1	9	1	3	2	168	.11	.012	2	38	.08	6	.24	2	.94	.01	.01	1
S L2+20N 4+65W	1	4	4	5	.6	4	3	27	.74	2	5	ND	1	7	1	2	2	28	.09	.030	2	40	.06	2	.03	3	.33	.01	.02	1
S L2+20N 4+75W	1	9	8	8	.7	8	3	42	.83	2	5	ND	1	11	1	2	2	25	.14	.048	2	21	.11	4	.03	5	.50	.01	.03	1
S L2+20N 4+85W	1	6	2	6	.3	6	3	66	1.73	3	5	ND	1	6	1	2	2	109	.08	.013	2	16	.09	3	.07	3	.45	.01	.01	1
S L2+20N 4+100W	1	8	5	8	.1	3	3	377	3.04	2	5	ND	2	3	1	2	2	136	.06	.011	2	20	.08	3	.12	2	.83	.01	.02	1
S L2+30N 4+55W	1	15	8	10	.2	6	5	224	5.32	6	5	ND	1	8	1	2	2	170	.08	.017	2	61	.09	9	.26	4	1.60	.01	.01	1
S L2+30N 4+65W	1	10	2	5	.2	4	3	49	2.07	4	5	ND	1	5	1	2	2	107	.07	.012	2	34	.04	4	.08	5	.29	.01	.01	1
S L2+30N 4+75W	1	12	6	5	.2	3	3	51	2.00	2	5	ND	1	7	1	2	2	120	.09	.008	2	11	.06	2	.12	3	.36	.01	.01	1
S L2+30N 4+85W	1	21	9	11	1.5	11	4	87	3.34	2	5	ND	1	13	1	2	2	107	.13	.054	2	31	.09	11	.09	4	1.19	.01	.03	1
S L2+30N 4+100W	1	160	13	26	7.9	8	7	166	3.97	29	5	2	1	10	1	2	5	165	.13	.029	2	27	.12	8	.12	4	.66	.01	.02	1
S L1S 1+50WA	11	8	33	186	.7	1	19	1743	11.71	694	7	ND	3	1	1	4	2	235	4.52	.067	2	45	.02	4	.12	2	1.17	.01	.01	25
S L2N 4+75WA	2	94	18	70	1.8	4	12	823	8.46	55	5	ND	2	4	1	2	2	171	.86	.035	2	36	.07	9	.19	2	1.77	.01	.01	1
STD C	20	59	39	125	7.5	73	29	1095	4.07	42	17	8	39	54	19	18	21	60	.46	.093	41	63	.85	177	.07	38	1.90	.06	.14	13

RECEIVED NOV 13 1987

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP L2+30N 5W	8	76637	19	497	169.7	55	43	355	30.37	599	5	ND	3	6	6	6	2	36	.18	.001	2	19	.17	5	.02	3	.70	.01	.02	72
AP 19924	1	631	22	79	7.4	32	31	587	4.68	37	5	ND	1	15	1	2	2	153	.69	.090	2	46	1.68	7	.15	7	2.00	.05	.04	1
AP 19925	9	7	12	96	.5	14	27	616	1.48	40	5	ND	1	73	1	3	2	47	2.49	.120	3	35	.10	7	.05	2	.90	.01	.01	1
AP 19926	6	36	56	1689	1.7	20	55	3569	7.70	564	8	ND	1	9	4	2	2	94	6.63	.104	6	53	.17	45	.03	5	.81	.01	.03	9
AP 19927	1	6	24	490	.5	9	29	2202	3.94	376	5	ND	1	71	4	2	2	33	3.29	.046	2	32	.12	41	.09	5	1.19	.01	.02	1
AP 19928	1	11	3	90	.4	5	14	583	1.84	13	5	ND	6	79	1	2	2	25	1.30	.034	6	69	.71	4	.11	2	1.47	.01	.01	1
AP L7N 4+25W	2	1228	5	28	1.2	32	14	222	7.61	13	5	ND	2	128	1	2	2	207	2.31	.082	3	37	.60	9	.33	3	2.88	.32	.05	4
AP L7N 3+00E	1	26	7	44	.3	14	15	392	3.29	4	5	ND	1	44	1	2	2	75	1.16	.086	2	49	1.99	10	.25	5	2.15	.09	.06	2
AP L6N 4+25W	1	368	3	21	.5	40	12	242	2.64	4	5	ND	1	79	1	2	2	77	1.49	.040	2	99	1.07	15	.18	4	2.01	.21	.05	2
AP L4N 4+75W	1	80	4	26	.2	130	13	258	1.76	2	5	ND	1	44	1	2	2	42	1.16	.009	2	209	2.02	5	.07	4	2.24	.21	.04	1
AP L4N 4+50W	1	14	3	28	.1	38	6	211	2.12	2	5	ND	1	174	1	2	2	60	1.65	.013	2	92	.74	11	.06	5	2.56	.40	.05	1
AP L4N 3+75W	1	10	8	35	.3	3	5	381	1.30	93	5	ND	1	79	1	2	2	30	2.15	.115	3	31	.14	3	.07	3	.97	.01	.01	1
AP L3N 5+00W	1	151	7	35	.6	12	5	480	1.58	2	5	ND	1	34	1	2	2	69	1.26	.044	2	34	.64	17	.24	3	1.29	.18	.05	2
AP L3N 4+00W	1	3	3	7	.1	5	1	113	.84	2	5	ND	1	39	1	2	2	47	1.43	.007	2	31	.13	1	.36	5	.84	.01	.01	1
AP L3N 3+75W	1	8	4	31	.3	22	7	298	1.32	2	5	ND	1	43	1	2	2	50	1.12	.038	2	39	.77	19	.20	3	1.29	.18	.07	2
AP L3N 3+25W	1	4	2	26	.1	16	5	288	1.73	2	5	ND	1	55	1	2	2	64	1.56	.025	2	51	.52	2	.35	8	1.27	.01	.01	1
AP L3N 3+00W	1	19	12	13	.1	3	1	79	.42	2	5	ND	3	15	1	2	2	9	.43	.020	5	95	.08	15	.07	2	.47	.11	.07	1
AP L3N 2+75W	1	3	8	27	.1	22	5	333	1.72	2	5	ND	1	37	1	2	2	67	1.28	.026	2	66	.66	10	.33	8	1.37	.04	.03	1
AP L1N 5+00W	1	124	10	76	.9	12	13	1331	4.85	10	5	ND	1	13	1	2	2	71	4.49	.012	2	56	.51	2	.15	5	1.65	.01	.01	1
AP L0N 3+30W	1	162	10	69	.4	21	34	499	9.19	129	5	ND	1	19	1	2	3	195	.51	.016	2	18	2.42	10	.35	5	3.50	.02	.09	2
AP L0N 0+80W	6	36	72	12	3.5	29	30	93	3.76	323	5	ND	1	15	1	3	2	19	.35	.006	2	18	.16	1	.11	3	.24	.01	.01	1
AP BL 1+50S	4	48	11	102	.4	14	5	824	2.93	48	5	ND	1	17	1	2	2	8	1.30	.117	5	60	.10	12	.03	44	.52	.01	.02	1
AP L1S 0+50E	1	10	4	15	.1	8	3	176	3.56	5	5	ND	1	20	1	2	2	33	.04	.027	2	53	1.17	35	.12	3	1.02	.07	.21	1
AP L1S 1+00E	1	10	3	49	.1	2	7	592	3.30	4	5	ND	2	77	1	2	2	36	1.13	.093	4	53	1.27	16	.17	7	2.08	.04	.04	1
AP L1S 1+50EA	1	3	4	44	.1	26	9	513	3.75	4	5	ND	2	72	1	2	2	84	1.08	.046	2	85	2.21	4	.21	9	2.70	.01	.02	1
AP L1S 1+50EB	1	13	7	26	.1	10	6	339	1.97	2	5	ND	1	15	1	2	2	64	.66	.048	2	22	.76	11	.14	5	1.07	.06	.06	1
AP L1S 2+50E	1	4	2	66	.1	7	21	760	6.01	3	5	ND	1	11	1	2	2	202	.53	.077	2	21	2.92	8	.24	5	2.70	.03	.05	1
AP L1S 1+75W	1	43	30	194	.2	4	3	690	1.73	6	5	ND	2	41	1	2	2	23	.93	.113	4	27	.63	8	.07	2	1.07	.02	.02	1
AP L1S 2+00W	1	32	54	241	.2	92	47	1992	4.75	163	5	ND	1	62	1	7	2	56	1.27	.022	2	70	.87	25	.20	10	1.76	.02	.04	1
AP L1S 2+25W	1	48	20	348	.2	13	15	746	2.76	56	5	ND	1	13	2	2	2	82	.59	.079	2	22	.89	18	.09	3	1.24	.05	.05	1
AP L1S 2+50W	1	3	9	106	.1	5	5	1344	3.48	11	5	ND	1	35	1	2	2	29	1.57	.047	2	19	.66	10	.08	4	1.11	.01	.01	1
AP L1S 2+75W	2	373	56	854	3.6	35	22	755	21.03	28	5	ND	2	20	3	2	2	36	.46	.043	2	10	.15	10	.05	11	.46	.01	.02	1
AP L1S 3+25W	1	17	3	73	.1	15	34	421	.86	126	5	ND	1	73	1	2	2	22	.92	.019	2	31	.10	5	.09	3	.62	.01	.01	1
AP L1S 4+25W	1	4	2	54	.1	5	5	341	1.57	2	5	ND	1	19	1	3	2	62	.80	.055	2	23	.55	11	.12	5	.95	.07	.08	1
AP L1S 4+50W	1	10	6	146	.1	4	6	390	.78	12	5	ND	1	27	1	2	2	16	1.37	.064	4	56	.06	3	.06	2	.56	.01	.01	1
AP L2S 0+10W	1	33	9	38	.1	6	9	533	3.49	14	5	ND	3	11	1	2	2	77	.52	.081	3	36	1.28	7	.18	4	1.66	.04	.03	1
AP L2S 1+00W	1	1	2	8	.1	3	3	193	.86	38	5	ND	2	48	1	2	2	15	1.51	.060	4	70	.02	3	.04	2	.63	.01	.01	1
AP L2S 2+50W	3	5	7	130	.1	30	14	8464	6.02	14	5	ND	1	68	1	2	2	42	1.45	.268	11	25	.46	102	.07	5	1.24	.01	.01	1
STD C	20	62	39	128	7.6	73	31	1050	4.05	40	17	8	40	55	19	18	21	61	.48	.093	41	60	.89	182	.07	38	1.88	.07	.14	13

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP L2S 4+00W	1	5	2	35	.1	48	9	445	2.26	4	5	ND	2	40	1	2	3	50	.88	.069	2	109	1.34	7	.18	6	1.75	.12	.04	1
AP L2S 4+50N	1	7	16	53	.1	16	11	386	5.25	.16	5	ND	1	499	1	2	2	163	5.67	.019	2	93	.88	37	.10	8	8.95	.91	.10	1

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: NOV 13 1987 DATE REPORT MAILED: Nov 17/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87777 File # 87-3597 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L4+50N 1+00E	3	53	2	28	.2	6	6	195	3.79	17	5	ND	1	8	1	2	2	60	.11	.046	4	31	.23	11	.12	2	7.12	.01	.02	1
S L4+50N 0+75E	1	45	4	31	.3	6	6	159	5.40	9	5	ND	2	14	1	2	3	103	.23	.021	2	31	.27	10	.19	4	3.91	.01	.02	2
S L4+50N 0+50E	7	51	13	22	.9	6	48	2648	8.26	7	5	ND	1	15	1	2	2	104	.35	.059	3	19	.22	15	.11	6	2.05	.02	.05	1
S L4+50N 0+25E	2	7	10	9	.2	1	2	66	.91	11	5	ND	1	16	1	2	2	68	.15	.019	2	10	.12	5	.15	3	.50	.01	.03	1
S L4+50N 0+00	2	92	8	77	.8	12	35	1864	2.62	806	5	ND	1	20	1	2	2	39	1.00	.065	6	28	.15	21	.06	6	7.59	.01	.01	1
S L4+50N 0+25W	3	38	9	52	.6	9	11	293	5.53	220	5	ND	1	13	1	3	2	109	.31	.024	6	34	.18	16	.16	5	3.53	.01	.01	3
S L4+50N 0+50W	3	78	6	103	1.2	24	14	2156	3.09	280	5	ND	1	18	1	2	2	56	.59	.066	4	33	.50	23	.03	3	3.56	.02	.02	1
S L4+50N 0+75W	6	30	10	63	.2	6	17	5188	3.90	134	5	ND	1	12	1	2	2	81	.33	.052	5	23	.10	21	.10	4	2.36	.01	.03	1
S L4+50N 1+00W	7	47	13	148	.6	28	60	3805	11.16	126	5	ND	1	8	1	2	5	87	1.13	.067	5	55	.24	20	.08	12	4.85	.01	.03	1
S L4+50N 1+25W	6	27	19	53	.3	8	141	7030	9.14	88	5	ND	1	14	1	2	2	84	1.22	.063	2	42	.21	16	.07	16	1.82	.01	.02	1
S L4+50N 1+50W	6	32	10	160	.8	30	70	5553	7.55	581	5	ND	1	13	1	2	2	69	.80	.097	3	55	.28	21	.06	13	4.31	.01	.02	3
S L4+50N 1+75W	3	88	11	53	.4	13	53	1366	4.66	174	5	ND	1	20	1	2	2	85	.38	.044	4	51	.28	17	.15	6	3.14	.01	.03	1
S L4+50N 2+00W	3	62	140	32	.5	7	67	1851	4.86	195	5	ND	1	9	1	2	2	80	.14	.061	6	51	.17	8	.14	7	3.77	.01	.03	1
S L4+50N 2+25W	1	66	2	25	.2	12	12	534	3.76	4	5	ND	1	19	1	2	2	84	.23	.026	2	46	.32	12	.16	5	2.93	.01	.02	1
S L4+50N 2+50W	1	85	7	20	.3	9	13	528	4.56	3	5	ND	1	14	1	2	2	96	.17	.034	2	54	.28	11	.20	3	3.55	.01	.02	1
S L4+50N 2+75W	1	33	14	29	.3	14	8	284	5.54	2	5	ND	1	19	1	2	2	160	.30	.025	3	46	.83	22	.22	2	2.25	.02	.04	1
S L4+50N 3+00W	1	30	8	23	.1	12	8	202	3.62	4	5	ND	1	16	1	2	2	90	.27	.032	2	28	.56	20	.11	3	1.51	.02	.05	1
23051	1	3	3	28	.1	3	2	193	.61	2	5	ND	5	7	1	2	2	9	.27	.010	2	48	.30	14	.05	2	.47	.03	.07	2
23052	1	124	2	58	.2	43	12	532	2.94	5	5	ND	1	30	1	2	2	68	.78	.030	2	67	1.52	5	.18	3	1.88	.06	.02	1
23053	1	14	5	69	.1	82	24	606	4.90	2	5	ND	1	13	1	2	2	111	.49	.005	2	48	3.61	2	.12	2	3.20	.04	.02	1
23054	1	20	2	21	.1	1	4	146	1.30	8	5	ND	1	13	1	2	3	14	.31	.035	2	44	.53	12	.07	2	.82	.04	.07	1
23055	1	11	17	36	.1	43	8	358	1.84	2	5	ND	1	81	1	2	2	42	2.31	.005	2	32	1.16	4	.04	2	4.31	.29	.02	1
23056	1	128	10	63	1.4	8	11	250	2.58	204	5	ND	1	39	1	2	2	37	.72	.039	2	38	.28	4	.17	2	.72	.02	.03	1
23057	10	1068	178	9299	8.2	5	35	1127	52.29	1307	5	ND	3	4	40	2	3	41	.63	.038	2	16	.07	27	.03	52	.37	.02	.08	1
23058	23	242	35	6238	2.4	21	28	1953	11.74	336	5	ND	1	11	27	2	3	92	5.25	.038	2	29	.22	19	.03	14	.73	.01	.06	4
23059	22	261	57	7033	2.8	30	31	1760	17.92	388	5	ND	2	10	30	2	2	51	3.61	.033	2	20	.14	20	.02	16	.47	.01	.04	1
23060	1	27	2	84	.1	11	9	348	4.00	6	5	ND	4	12	1	2	2	78	.33	.047	2	68	1.22	14	.15	3	1.38	.04	.07	1
23061	1	145	2	86	.2	19	13	350	3.11	3	5	ND	1	68	1	2	2	83	1.33	.041	2	54	1.31	27	.15	2	2.38	.16	.08	1
23062	1	50	2	38	.1	16	17	226	3.62	5	5	ND	1	15	1	2	2	92	.57	.066	2	73	1.67	27	.23	4	1.72	.04	.14	1
23063	3	220	6	230	.6	15	15	1167	7.80	49	5	ND	1	12	1	2	2	18	2.34	.058	4	62	.07	6	.04	61	.74	.01	.01	1
23064	1	30	6	39	.1	6	9	207	2.04	12	5	ND	1	32	1	2	2	54	.73	.056	3	32	.38	17	.13	15	.90	.06	.05	1
23092	1	261	37	156	2.0	15	15	500	3.77	28	5	ND	1	18	1	2	2	68	.63	.070	2	61	1.67	11	.18	3	1.92	.03	.06	1
23093	1	12	6	25	.1	6	5	219	1.44	64	5	ND	1	22	1	2	2	27	.67	.061	3	34	.26	9	.09	4	.74	.04	.01	1
23094	2	48	12	36	.1	11	9	236	2.54	28	5	ND	1	54	1	2	2	44	.70	.088	2	26	.45	17	.09	2	1.13	.08	.05	1
23095	1	58	2	72	.1	14	25	571	3.79	35	5	ND	1	21	1	2	2	120	.58	.034	2	32	1.56	8	.22	9	2.02	.04	.03	1
23096	1	11	2	16	.1	4	15	115	.88	47	5	ND	1	27	1	2	2	16	.86	.038	2	56	.11	3	.06	4	.63	.01	.01	1
23097	2	22	16	15	.1	2	3	117	1.32	34	5	ND	1	18	1	2	2	22	.81	.045	2	25	.12	7	.07	2	.75	.04	.03	1
23098	1	32	2	49	.1	4	20	743	4.61	17	5	ND	1	56	1	2	2	112	1.50	.058	2	15	1.49	12	.18	5	2.68	.14	.06	1
23099	1	32	9	90	.2	23	14	605	4.47	10	5	ND	1	15	1	2	2	105	.64	.076	2	72	2.16	15	.20	5	2.28	.04	.06	1
STD C	18	60	44	132	7.0	68	28	1061	4.06	39	17	8	37	49	17	21	18	56	.46	.081	37	58	.85	175	.06	31	1.89	.06	.14	11

RECEIVED NOV 18 1987

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: NOV 13 1987 DATE REPORT MAILED: Nov 17/87 ASSAYER. D.C. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87801 File # 87-5598 Page 1 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3S 300E	2	12	26	14	.1	5	3	81	5.04	5	5	ND	3	12	1	2	2	155	.19	.020	3	22	.27	12	.34	2	1.97	.01	.03	1
S L3S 275E	1	4	9	1	.1	1	2	50	2.94	2	5	ND	2	3	1	2	2	65	.05	.005	2	6	.01	3	.05	3	.12	.01	.01	1
S L3S 250E	1	9	14	6	.2	1	2	47	4.07	2	5	ND	2	10	1	2	2	159	.14	.016	3	11	.10	10	.26	2	1.23	.01	.05	1
S L3S 225E	1	7	11	3	.1	1	1	94	2.67	2	5	ND	2	6	1	2	2	160	.12	.013	2	7	.08	5	.20	2	.79	.01	.02	1
S L3S 200E	1	2	15	1	.1	1	1	17	.29	2	5	ND	1	7	1	2	2	44	.11	.010	3	6	.02	7	.13	5	.74	.01	.01	1
S L3S 175E	1	3	7	2	.1	1	1	119	.28	2	5	ND	1	9	1	2	3	18	.13	.014	2	2	.05	5	.05	4	.21	.01	.03	1
S L3S 150E	1	3	10	7	.1	1	1	36	.39	2	5	ND	1	8	1	2	2	38	.07	.015	3	2	.04	6	.08	3	.63	.01	.02	1
S L3S 125E	2	11	17	8	.1	1	2	27	6.87	8	5	ND	2	6	1	2	2	220	.10	.008	2	14	.05	6	.25	2	1.00	.01	.02	1
S L3S 100E	2	10	28	17	.2	4	2	84	3.18	19	5	ND	3	9	2	2	2	125	.13	.018	2	15	.26	10	.23	2	1.59	.01	.03	1
S L3S 075E	3	14	30	20	.5	3	2	38	5.12	43	5	ND	2	10	1	2	2	161	.11	.045	3	11	.09	14	.28	2	1.76	.01	.05	2
S L3S 050E	1	2	27	1	.3	1	1	13	.67	11	5	ND	1	9	2	2	3	63	.18	.009	2	3	.03	6	.22	6	.40	.01	.01	1
S L3S 025E	2	31	30	33	.2	4	4	137	10.21	39	5	ND	3	6	1	2	2	184	.08	.026	2	33	.27	9	.46	2	4.90	.01	.02	1
S L3S 000	5	15	27	12	.3	1	3	41	7.81	19	5	ND	3	7	1	2	2	151	.10	.018	2	19	.09	6	.33	4	1.15	.01	.02	1
S L3S 025W	4	10	20	13	.1	3	3	78	4.12	9	5	ND	2	10	1	2	2	117	.17	.013	2	16	.21	8	.23	2	1.23	.01	.02	1
S L3S 050W	4	21	23	23	.1	4	4	98	8.09	20	5	ND	4	8	1	2	2	156	.14	.018	2	33	.19	9	.28	2	3.15	.01	.02	1
S L3S 075W	6	31	43	233	.4	6	7	332	7.68	715	5	ND	2	10	1	2	2	179	1.09	.034	2	42	.06	8	.37	3	1.83	.01	.01	1
S L3S 100W	5	29	34	178	.6	8	28	1828	7.13	199	5	ND	1	14	2	2	2	198	.59	.056	3	21	.16	25	.33	6	1.86	.01	.04	1
S L3S 125W	12	29	34	31	.1	4	4	113	9.34	118	5	ND	2	11	1	2	2	258	.17	.018	2	27	.13	9	.37	2	3.43	.01	.02	1
S L3S 150W	2	9	20	10	.1	1	2	31	6.16	41	5	ND	1	8	1	2	2	218	.20	.017	2	11	.03	5	.29	3	1.02	.01	.01	1
S L3S 175W	1	2	18	1	.3	1	1	26	.76	16	5	ND	1	14	1	2	2	54	.50	.004	2	4	.01	3	.14	8	.73	.01	.01	1
S L3S 200W	1	1	10	1	.1	1	1	10	.41	11	5	ND	1	9	1	2	2	50	.24	.008	2	2	.02	4	.12	2	.37	.01	.01	1
S L3S 225W	1	33	19	15	.1	2	3	31	11.41	12	5	ND	2	4	1	2	2	266	.06	.023	2	42	.09	4	.32	2	3.92	.01	.03	1
S L3S 250W	2	24	10	11	.1	3	3	56	6.38	14	5	ND	3	8	1	2	2	194	.14	.016	2	29	.12	3	.26	3	2.49	.01	.04	1
S L3S 275W	2	31	14	16	.1	3	3	52	9.51	28	5	ND	2	6	1	2	2	217	.10	.024	2	37	.17	8	.32	2	3.80	.01	.02	2
S L3S 300W	5	33	24	62	.3	3	5	235	8.23	402	5	ND	3	13	1	2	2	165	.92	.025	2	35	.06	6	.42	5	1.95	.01	.01	1
S L3S 325W	4	30	33	79	.1	3	5	165	9.46	496	5	ND	3	12	1	2	2	194	.79	.018	2	34	.07	6	.38	2	2.96	.01	.02	1
S L3S 350W	4	6	33	30	.1	2	14	610	4.65	182	5	ND	1	36	1	4	2	173	.79	.013	2	17	.10	5	.35	2	1.46	.01	.03	1
S L3S 375W	5	14	25	42	.1	1	5	276	6.76	574	5	ND	1	10	1	5	2	188	.93	.021	2	22	.02	3	.40	3	1.45	.01	.01	1
S L3S 400W	3	12	17	61	.7	3	55	2799	2.67	218	5	ND	1	15	1	2	2	104	.51	.039	4	13	.06	18	.23	3	.85	.01	.03	1
S L3S 425W	3	7	18	47	.1	2	4	108	3.39	164	5	ND	1	16	1	2	2	133	.33	.013	2	16	.10	6	.31	2	.99	.01	.02	1
S L3S 450W	6	19	25	63	.2	3	3	86	7.59	151	5	ND	2	8	1	2	2	188	.22	.014	2	33	.15	6	.30	2	2.15	.01	.02	1
S L3S 475W	1	5	12	10	.3	1	1	72	1.72	5	5	ND	1	13	1	3	2	77	.24	.008	2	6	.09	4	.19	5	.67	.01	.02	1
S L3S 500W	1	1	16	1	.2	1	1	53	.45	2	5	ND	1	17	1	2	2	28	.36	.020	2	3	.04	3	.06	6	.41	.01	.02	1
S L3+50N 100E	8	32	12	16	.1	2	5	84	6.18	12	5	ND	2	7	1	2	2	156	.11	.008	2	25	.12	8	.25	2	2.36	.01	.01	2
S L3+50N 075E	6	11	10	5	.5	2	3	61	3.84	6	5	ND	2	10	1	2	2	149	.17	.008	2	17	.07	7	.25	5	.97	.01	.02	1
S L3+50N 050E	3	14	13	7	.2	2	3	58	5.14	12	5	ND	2	10	1	2	2	182	.16	.011	2	19	.08	6	.29	3	1.11	.01	.02	1
S L3+50N 025E	9	66	18	76	.6	5	10	570	9.96	108	5	ND	3	11	1	2	2	128	2.29	.037	2	39	.05	6	.25	2	2.45	.01	.02	2
S L3+50N 000	5	135	20	132	2.4	17	73	1161	9.48	309	5	ND	4	23	1	2	2	117	1.10	.043	5	48	.14	10	.30	9	4.25	.01	.01	1
S L3+50N 025W	1	16	6	6	.4	3	4	57	1.29	19	5	ND	1	13	1	2	2	63	.62	.012	2	7	.03	3	.15	10	.53	.01	.01	1
STD C	19	61	41	127	7.2	66	28	1015	4.18	39	16	8	38	51	18	17	23	58	.49	.084	38	60	.87	173	.08	32	1.89	.06	.14	12

RECEIVED NOV 18 1987

RO[illegible]ACHE[illegible]BOR[illegible]Y P[illegible]CT-[illegible] #87[illegible] FI[illegible] 87-[illegible] Pa[illegible]

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3+50N 050W	20	74	14	351	1.6	29	23	2264	6.72	340	5	ND	4	11	1	2	2	120	1.23	.027	6	32	.11	17	.21	9	3.98	.01	.02	1
S L3+50N 075W	12	43	5	74	1.1	8	23	476	8.98	525	5	ND	4	7	3	2	2	154	.77	.036	3	46	.11	13	.21	10	3.97	.01	.02	2
S L3+50N 100W	22	14	8	38	.7	4	17	1241	8.59	134	5	ND	2	7	1	2	2	166	1.84	.063	2	19	.15	4	.11	12	.73	.01	.02	11
S L3+50N 125W	8	47	8	40	3.1	8	97	2010	6.57	72	5	ND	2	11	1	2	2	98	.58	.070	2	25	.19	11	.11	14	2.27	.01	.04	3
S L3+50N 150W	7	31	26	192	.7	49	127	5583	8.59	365	5	ND	2	16	2	2	2	58	2.49	.039	2	41	.31	42	.06	17	2.41	.01	.01	3
S L3+50N 175W	2	8	9	17	.4	3	9	186	6.88	81	5	ND	2	10	2	8	2	269	.18	.021	2	34	.06	4	.53	12	1.13	.01	.01	1
S L3+50N 200W	4	19	4	16	.5	6	7	132	7.06	130	5	ND	3	11	1	2	2	153	.15	.030	2	37	.18	10	.28	8	1.92	.01	.02	1
S L3+50N 225W	2	21	7	19	.7	10	44	1357	6.28	6	5	ND	1	8	1	2	2	131	.12	.050	2	52	.18	10	.20	9	2.21	.01	.03	2
S L3+50N 250W	1	9	3	6	.4	4	4	36	3.88	5	5	ND	1	13	1	4	2	121	.25	.025	2	29	.06	9	.31	5	.63	.01	.01	1
S L3+50N 275W	1	8	3	3	.2	3	1	48	2.33	2	5	ND	1	7	1	2	2	105	.15	.015	2	13	.05	4	.26	4	1.02	.01	.01	1
S L3+50N 300W	1	51	6	2	.4	3	1	64	1.27	2	5	ND	1	13	1	2	2	93	.23	.005	2	20	.09	7	.27	2	.70	.01	.01	1
STD C	19	61	37	132	7.5	70	28	1054	3.92	39	18	8	39	53	17	17	21	61	.50	.087	40	60	.90	180	.08	35	1.94	.07	.14	12

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP 23065	1	17	5	31	.1	20	117	653	19.50	144	11	ND	4	11	5	2	13	44	1.19	.068	2	32	.17	6	.04	111	.41	.01	.01	3
AP 23066	1	3	3	24	.3	14	14	625	3.38	18	5	ND	2	49	1	3	2	74	1.11	.023	2	46	.49	4	.33	8	1.18	.02	.03	1
AP 23067	1	12	2	3	.1	1	2	90	.79	24	5	ND	4	6	1	2	2	3	.10	.007	5	62	.04	15	.03	4	.25	.05	.05	1
AP 23068	13	21	25	57	.8	31	131	707	36.45	543	5	ND	4	15	1	11	2	42	.75	.058	2	29	.33	18	.02	95	.26	.01	.01	1
AP 23069	18	16	12	70	.1	16	42	2293	18.82	105	5	ND	3	5	4	2	15	117	1.11	.046	2	36	.62	5	.03	314	1.01	.01	.02	1
AP 23070	10	13	9	95	.2	6	10	3275	14.76	17	5	ND	3	10	3	2	6	94	1.99	.029	2	70	.90	4	.03	294	1.42	.04	.01	5
AP 23071	4	325	42	517	1.1	99	66	2759	8.29	140	5	ND	1	9	1	2	7	59	.29	.014	2	56	2.30	11	.08	10	3.04	.01	.05	1
AP 23100	1	15	2	10	.1	7	3	167	.77	2	5	ND	1	16	1	2	2	30	.56	.031	2	27	.23	3	.12	5	.47	.03	.03	1
STD C	19	61	37	132	7.5	70	28	1054	3.92	39	18	8	39	53	17	17	21	61	.50	.087	40	60	.90	180	.08	35	1.94	.07	.14	12

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: NOV 19 1987 DATE REPORT MAILED: Nov 24/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT- CERT #87806 File # 87-5749 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L1N 4+75W	1	10	12	20	.4	6	4	211	2.83	2	5	ND	1	7	1	2	2	137	.29	.007	2	41	.19	4	.20	4	.87	.01	.01	1
S L1N 5+25W	7	141	16	44	.8	4	9	434	10.96	62	5	ND	1	6	1	2	2	156	.77	.024	2	35	.09	4	.17	2	1.77	.01	.02	4
S L1N 5+50W	2	120	16	34	.6	3	11	428	11.28	56	5	ND	1	3	1	2	2	178	1.07	.026	2	29	.03	4	.25	5	1.22	.01	.01	2
S L1N 5+75W	1	3	9	8	.6	2	3	59	1.37	5	5	ND	1	13	1	3	2	133	.14	.018	2	14	.05	7	.21	3	.45	.01	.02	1
S L1N 6+00W	1	6	3	7	.6	5	2	30	.53	2	5	ND	1	6	1	2	2	28	.12	.021	2	24	.08	2	.04	3	.34	.01	.02	1
S L1N 6+25W	1	12	13	12	.3	7	3	102	2.74	2	5	ND	1	9	1	2	2	180	.15	.026	2	26	.19	7	.17	2	1.16	.01	.02	1
S L1N 6+50W	1	5	3	4	.2	1	2	35	1.79	2	5	ND	1	4	1	2	2	67	.07	.009	2	12	.03	1	.05	2	.18	.01	.01	1
S L2N 5+25W	1	5	11	5	.2	2	1	50	1.33	3	5	ND	1	4	1	2	2	84	.17	.002	2	16	.08	3	.14	2	.67	.01	.01	1
S L2N 5+50W	1	15	11	7	.1	2	3	65	4.56	2	5	ND	1	4	1	2	2	142	.08	.009	2	32	.08	3	.13	2	1.00	.01	.01	1
S L2N 5+75W	1	6	7	4	.2	4	2	53	3.46	2	5	ND	1	3	1	2	2	130	.06	.008	2	21	.03	2	.11	4	.57	.01	.01	1
S L2N 6+00W	1	1	2	2	.1	1	1	6	.15	2	5	ND	1	1	1	2	2	10	.02	.003	2	4	.01	4	.01	2	.18	.01	.01	1
S L2N 6+25W	1	2	8	3	.3	3	1	39	.97	3	5	ND	1	3	1	2	2	81	.08	.005	2	8	.03	3	.15	2	.29	.01	.01	1
S L2N 6+50W	1	6	3	3	.1	3	2	29	.41	2	5	ND	1	3	1	2	2	63	.08	.005	2	18	.05	1	.11	2	.16	.01	.01	1
S L2N 6+75W	1	1	3	2	.1	2	2	85	2.34	3	5	ND	1	3	1	2	2	143	.22	.004	2	21	.01	1	.08	4	.21	.01	.01	1
S L2N 7+00W	1	17	7	8	.1	5	4	82	4.10	2	5	ND	3	5	1	2	2	128	.06	.012	2	38	.15	4	.16	2	2.75	.01	.02	1
S L2N 7+25W	1	3	8	4	.1	2	3	49	2.41	2	5	ND	1	3	1	2	2	110	.06	.005	2	12	.06	3	.10	2	.38	.01	.01	1
S L2N 7+50W	1	5	9	4	.1	3	3	61	3.92	3	5	ND	1	3	1	2	2	162	.05	.009	2	21	.04	3	.13	2	.51	.01	.02	1
S L2N 7+75W	1	17	9	9	.1	7	3	96	2.81	2	5	ND	1	4	1	2	2	95	.08	.006	2	32	.20	6	.13	2	2.11	.01	.01	1
S L2N 8+00W	1	14	9	6	.3	2	5	54	4.53	4	5	ND	1	2	1	2	2	150	.02	.016	2	20	.04	4	.10	2	.86	.01	.02	1
S L2N 8+25W	1	17	2	7	.1	5	5	76	6.12	3	5	ND	2	2	1	2	2	144	.02	.008	2	41	.09	4	.14	2	2.83	.01	.02	1
S L2N 8+50W	1	11	4	3	.2	5	7	50	4.19	2	5	ND	1	3	1	2	2	159	.05	.005	2	26	.02	1	.09	6	.34	.01	.01	1
S L2N 8+75W	1	9	6	4	.3	3	4	20	1.03	2	5	ND	1	5	1	2	2	43	.03	.010	2	10	.04	3	.03	3	.32	.01	.01	1
S L3N 5+25W	1	7	6	5	.1	3	3	56	4.60	5	5	ND	1	1	1	2	2	146	.02	.013	2	35	.02	3	.12	2	.79	.01	.02	1
S L3N 5+50W	1	15	10	11	.2	7	5	100	5.60	6	5	ND	1	7	1	2	2	142	.05	.018	2	46	.17	7	.17	3	2.13	.01	.02	1
23072	8	4	14	22	.3	17	69	762	15.19	92	5	ND	1	8	1	2	2	36	1.47	.047	2	28	.19	9	.01	24	.33	.01	.01	2
23073	9	5	13	34	.1	13	32	1735	16.09	52	5	ND	2	7	1	2	2	63	1.85	.039	2	31	.21	9	.02	32	.45	.01	.01	2
23074	5	4	11	63	.2	6	14	1230	11.03	72	5	ND	2	9	1	2	2	39	3.52	.047	2	25	.43	7	.02	14	.71	.01	.02	2
23075	3	23000	4	625	78.1	41	40	352	11.64	67	5	ND	2	8	4	2	2	20	.79	.057	2	17	.13	8	.05	12	.38	.03	.07	25
23076	1	471	4	46	2.8	4	5	345	1.05	9	5	ND	1	37	1	2	2	6	1.24	.180	2	34	.15	3	.02	2	.50	.01	.01	1
23077	2	8973	6	360	33.4	19	47	481	6.15	56	5	2	1	9	2	2	2	18	.27	.015	2	32	.46	1	.02	5	.65	.01	.01	2
23078	2	396	6	183	1.8	18	20	555	3.94	31	5	ND	1	15	1	2	3	22	.36	.009	2	37	.63	4	.04	2	.83	.01	.01	1
23079	1	147	7	160	1.9	12	8	501	2.68	12	5	5	2	20	1	2	2	33	.63	.063	2	45	.71	10	.07	3	1.19	.03	.05	1
12N 485W	4	14910	18	296	35.8	186	161	1178	10.17	574	5	ND	1	10	1	2	2	54	.34	.028	2	18	1.41	4	.05	4	2.00	.02	.04	1
STD C	19	60	40	125	7.6	69	29	1056	4.17	39	19	7	39	51	18	17	20	58	.49	.086	40	63	.91	174	.07	36	1.93	.07	.13	11

RECEIVED NOV 2 6 1987

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: NOV 30 1987 DATE REPORT MAILED: Dec 3/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87827 File # 87-5955 Page 1 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3N 575W	1	4	5	4	.1	1	1	60	.38	2	5	ND	1	14	1	2	3	41	.20	.007	3	10	.04	5	.10	2	.60	.01	.01	1
S L3N 600W	1	24	5	13	.1	4	5	123	5.98	3	5	ND	2	15	1	2	2	141	.21	.011	3	44	.19	7	.16	2	5.22	.01	.03	1
S L3N 625W	1	3	4	5	.2	1	1	121	1.11	2	5	ND	1	17	1	2	3	71	.25	.001	3	9	.07	5	.12	2	.88	.01	.02	1
S L3N 650W	1	17	6	14	.5	3	4	142	7.14	3	8	ND	3	15	1	2	4	195	.22	.012	3	35	.09	8	.17	2	1.65	.01	.03	1
S L3N 675W	1	14	10	10	.4	2	3	68	4.79	5	5	ND	2	13	1	2	5	109	.11	.030	5	24	.10	16	.09	2	1.88	.01	.06	1
S L3N 700W	1	10	13	10	.3	4	2	109	1.25	2	5	ND	3	23	1	2	2	74	.30	.001	4	16	.18	12	.12	2	1.47	.01	.03	2
S L3N 725W	1	9	3	6	.3	2	4	67	4.27	2	5	ND	3	10	1	2	2	130	.14	.006	3	31	.05	2	.11	2	1.20	.01	.02	1
S L3N 750W	1	8	7	10	.2	4	4	101	4.73	2	5	ND	2	12	1	2	2	169	.18	.011	3	22	.15	5	.13	2	1.18	.01	.03	1
S L3N 775W	1	8	6	8	.3	4	4	117	2.72	3	5	ND	1	13	1	2	2	123	.19	.016	2	18	.14	5	.09	2	.88	.01	.02	1
S L3N 800W	1	27	5	14	.3	7	7	123	7.72	9	5	ND	3	12	1	2	2	163	.17	.013	4	51	.17	6	.16	2	4.38	.01	.03	1
S L3N 825W	1	6	8	10	.4	6	2	96	1.40	2	5	ND	1	20	1	2	2	84	.30	.008	3	15	.17	9	.13	2	.97	.01	.04	1
S L3N 850W	1	4	4	5	.5	1	1	62	.81	2	5	ND	1	13	1	2	2	53	.21	.008	3	10	.06	4	.10	2	1.02	.01	.02	1
S L3N 875W	1	10	5	5	.3	1	2	178	2.66	2	5	ND	3	22	1	2	2	162	.29	.004	3	4	.05	2	.12	2	.47	.01	.01	1
S L3N 900W	1	23	7	13	.4	2	5	156	6.22	2	5	ND	2	19	1	2	2	208	.26	.009	4	34	.11	5	.14	2	1.88	.01	.02	1
S L4N 525W	1	2	8	4	.2	1	1	106	.40	2	5	ND	1	14	1	2	2	70	.23	.001	4	10	.02	2	.16	2	.53	.01	.01	1
S L4N 550W	1	50	10	18	.5	8	7	157	7.81	11	7	ND	5	14	1	4	2	167	.22	.016	3	84	.24	7	.16	2	7.63	.01	.02	3
S L4N 575W	1	24	7	11	.3	3	5	96	8.22	3	5	ND	3	9	1	2	2	222	.11	.014	3	33	.06	3	.15	2	2.42	.01	.03	1
S L4N 600W	1	14	9	8	.4	1	5	100	6.37	3	5	ND	3	10	1	3	2	209	.12	.006	3	29	.07	2	.15	2	1.79	.01	.02	1
S L4N 625W	1	30	13	14	.1	5	5	110	4.41	11	5	ND	3	9	1	3	2	92	.12	.015	2	103	.25	5	.11	2	8.39	.01	.01	3
S L4N 650W	1	6	5	4	.1	2	3	103	2.77	2	5	ND	1	21	1	2	2	117	.10	.001	2	9	.03	2	.08	2	.21	.01	.01	1
S L4N 675W	1	9	10	6	.1	1	2	95	3.58	2	5	ND	1	16	1	2	2	133	.20	.004	3	15	.06	5	.12	2	1.06	.01	.03	1
S L4N 700W	1	5	8	5	.1	4	1	93	.60	2	5	ND	1	18	1	3	3	59	.21	.003	3	13	.13	2	.09	2	.98	.01	.02	1
S L4N 725W	1	2	3	5	.2	3	1	101	.68	2	5	ND	1	37	1	2	2	61	.42	.001	4	19	.10	4	.11	2	.69	.01	.01	1
S L4N 750W	1	8	4	5	.3	4	3	102	1.66	2	5	ND	1	21	1	2	2	113	.28	.006	2	40	.04	2	.14	2	.44	.01	.02	1
S L4N 775W	1	7	3	3	.4	4	3	114	2.53	2	5	ND	3	20	1	2	2	155	.30	.003	3	50	.03	1	.16	5	.41	.01	.02	1
S L4N 800W	1	1	4	4	.1	1	1	163	.80	2	5	ND	1	22	1	2	2	58	.94	.003	3	14	.04	3	.11	2	.76	.01	.01	1
S L4N 825W	1	15	10	12	.1	4	4	113	3.86	4	5	ND	2	15	1	2	2	146	.25	.014	4	32	.21	7	.15	2	2.44	.02	.02	1
S L4N 850W	1	22	4	12	.3	7	5	108	3.96	2	5	ND	2	11	1	2	2	116	.16	.012	2	42	.23	7	.12	2	3.42	.01	.03	1
S L4N 875W	1	12	6	6	.2	3	5	78	5.45	2	5	ND	1	7	1	2	2	178	.09	.006	2	36	.06	2	.12	3	1.39	.01	.01	1
S L4N 900W	1	4	4	1	.3	1	1	48	1.16	2	5	ND	1	11	1	2	2	92	.13	.007	2	7	.02	3	.07	2	.44	.01	.01	1
S L4S 500W	2	82	23	59	1.7	5	10	272	2.75	63	5	ND	3	14	1	3	2	73	.60	.026	4	19	.19	6	.11	4	1.98	.01	.03	1
S L4S 475W	2	16	20	41	.3	4	7	239	9.43	116	5	ND	2	12	1	2	2	200	.60	.009	3	43	.08	4	.21	2	1.75	.01	.01	1
S L4S 450W	3	16	13	106	.5	9	7	273	2.74	71	5	ND	2	29	1	2	3	89	.69	.019	3	23	.40	12	.14	6	1.42	.02	.04	1
S L4S 425W	2	14	14	57	.1	2	6	121	5.88	172	6	ND	2	19	1	2	2	138	.35	.010	3	25	.09	5	.18	4	1.61	.01	.02	1
S L4S 400W	1	4	6	80	1.4	1	1	38	.18	2	5	ND	1	33	1	2	2	4	.36	.035	2	3	.13	9	.01	5	.14	.03	.05	1
S L4S 375W	1	3	15	38	.6	1	1	92	.45	6	5	ND	1	26	1	3	2	62	.37	.020	3	15	.05	15	.10	4	.69	.01	.05	1
S L4S 350W	1	2	13	24	.2	1	1	53	.33	2	5	ND	1	11	1	2	2	67	.19	.020	3	7	.03	7	.08	3	.60	.01	.03	1
S L4S 325W	4	1	7	54	.5	1	2	137	.46	5	5	ND	1	15	1	2	2	27	.29	.025	2	4	.10	7	.07	4	.31	.02	.05	1
S L4S 300W	1	1	13	9	.2	1	1	36	.28	2	5	ND	1	9	1	2	2	37	.14	.008	2	4	.03	4	.07	2	.46	.01	.02	1
STD C	19	62	43	132	7.5	70	30	1054	4.18	42	15	8	38	52	18	17	22	58	.46	.087	39	61	.89	180	.06	35	1.96	.06	.13	12

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L4S 275W	1	14	31	35	.3	1	4	112	4.91	42	5	ND	3	13	1	2	2	191	.17	.009	3	18	.07	9	.22	2	1.30	.01	.01	1
S L4S 250W	2	10	11	17	.5	2	2	98	2.19	39	5	ND	2	12	1	2	2	154	.23	.012	2	7	.13	5	.18	3	.77	.01	.02	1
S L4S 225W	1	8	4	21	.4	4	3	101	2.68	12	5	ND	2	14	1	2	2	130	.28	.014	2	10	.08	5	.14	2	.63	.01	.04	1
S L4S 200W	1	2	5	15	.1	1	1	58	.41	2	5	ND	1	13	1	2	2	46	.24	.009	2	3	.06	7	.09	3	.42	.01	.02	1
S L4S 175W	1	3	6	11	.1	1	1	107	1.04	7	5	ND	1	12	1	2	2	110	.30	.008	2	5	.09	5	.15	2	.67	.01	.02	1
S L4S 150W	1	12	9	21	.1	4	4	115	5.58	2	5	ND	3	10	1	2	2	149	.16	.011	3	23	.16	7	.24	2	1.55	.01	.03	1
S L4S 125W	1	8	3	11	.2	3	4	94	3.11	2	5	ND	2	5	1	2	2	138	.11	.006	3	21	.04	5	.16	2	.58	.01	.01	1
S L4S 100W	1	2	6	7	.3	3	1	21	.36	2	5	ND	1	5	1	2	2	64	.06	.007	2	3	.02	3	.13	3	.30	.01	.01	1
S L4S 050W	1	3	13	7	.1	2	1	20	.62	2	5	ND	1	5	1	2	2	74	.06	.008	2	5	.04	4	.13	2	.39	.01	.01	1
S L4S 025W	1	1	8	5	.2	1	1	13	.42	2	5	ND	1	3	1	2	3	63	.04	.005	2	3	.02	5	.09	2	.40	.01	.02	1
S L4S 000BL	1	1	10	3	.2	1	1	37	.23	2	5	ND	1	3	1	2	2	42	.04	.005	3	2	.02	3	.10	2	.28	.01	.02	1
S L4S 025E	1	8	7	17	.1	3	3	93	3.83	2	5	ND	2	9	1	2	2	133	.31	.014	2	15	.09	7	.17	2	1.19	.01	.03	1
S L4S 050E	1	6	7	11	.4	2	2	135	1.85	2	8	ND	3	11	1	3	2	122	.18	.004	4	9	.08	7	.20	2	1.13	.01	.02	1
S L4S 075E	1	1	2	5	.1	1	1	36	.33	2	5	ND	1	7	1	2	4	21	.10	.005	3	3	.01	3	.05	2	.21	.01	.01	1
S L4S 100E	1	5	5	10	.1	1	2	101	1.06	2	5	ND	1	10	1	2	2	80	.15	.006	3	5	.05	5	.12	2	.55	.01	.02	1
S L4S 125E	1	9	6	15	.1	3	2	165	3.13	2	7	ND	2	10	1	2	2	129	.20	.011	2	14	.12	8	.17	2	1.16	.01	.02	1
S L4S 150E	1	3	2	5	.1	1	2	58	1.79	2	5	ND	2	4	1	2	2	116	.08	.006	2	10	.03	1	.09	2	.33	.01	.02	1
S L4S 175E	1	8	2	7	.1	4	4	78	1.97	2	5	ND	1	6	1	2	4	96	.10	.008	2	16	.08	3	.11	4	.31	.01	.01	1
S L4S 200E	1	7	3	20	.2	3	4	57	1.62	2	5	ND	2	5	1	2	2	72	.04	.022	2	10	.11	8	.08	2	.45	.01	.02	1
S L4S 225E	1	7	2	18	.1	12	6	136	1.75	2	5	ND	1	2	1	2	2	71	.03	.003	2	33	.93	5	.13	2	.97	.01	.02	1
S L4S 250E	1	1	2	6	.2	1	1	90	.94	2	7	ND	1	4	1	2	4	74	.07	.003	2	7	.08	5	.10	3	.40	.01	.02	1
S L4S 275E	1	1	2	4	.1	1	1	39	.67	2	5	ND	1	4	1	2	2	50	.05	.008	2	3	.03	3	.10	2	.41	.01	.01	1
S L4S 300E	1	6	10	13	.1	2	2	57	2.20	2	5	ND	2	10	1	3	2	119	.12	.024	3	8	.08	14	.21	3	1.07	.01	.03	1
STD C	19	59	37	132	7.3	70	30	1063	4.02	41	23	8	41	47	19	18	19	60	.47	.087	40	63	.91	180	.06	36	1.88	.06	.13	13

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP 23080	15	1911	25	102	4.3	11	90	959	24.56	52	5	3	5	4	1	13	2	50	.62	.033	2	17	.14	7	.02	61	.37	.01	.03	10
AP 23081	5	25	9	18	.2	29	668	342	6.48	60939	5	4	1	25	1	2	2	13	.83	.065	3	41	.06	12	.02	66	.61	.01	.02	7
AP 23082	3	173	5	69	.2	20	19	679	3.24	218	5	ND	2	43	1	2	2	18	1.57	.086	6	68	.25	8	.05	32	1.06	.01	.02	1
AP 23083	1	32	2	31	.1	11	14	262	8.80	108	5	ND	2	38	1	2	2	227	.92	.016	2	48	.17	6	.18	2	.73	.02	.02	1
AP 21	2	165	2	37	.3	41	20	147	2.91	23	5	ND	2	95	1	2	2	13	1.33	.080	4	37	.11	18	.06	2	1.51	.17	.03	1
AP 21A	2	129	24	87	.5	4	9	938	3.80	521	5	ND	1	6	1	2	2	43	1.25	.060	3	76	.14	22	.07	32	.62	.01	.04	1
AP 21B	2	149	7	248	.1	10	11	2570	3.99	264	5	ND	1	10	1	2	2	24	.80	.066	4	59	.17	24	.05	311	.55	.01	.01	1
AP 21C	29	1876	2	113	22.8	13	12	3972	9.51	41	5	ND	2	6	1	2	2	47	2.26	.064	2	29	.72	26	.03	555	.84	.01	.05	350
AP 21D	3	27	8	26	.7	10	10	638	1.41	298	5	ND	2	40	1	3	2	11	1.15	.080	4	108	.10	10	.04	69	.59	.01	.01	6
AP 21E	1	239	131	450	2.5	60	44	966	8.23	3721	5	2	3	23	2	2	2	160	1.14	.051	3	82	1.95	6	.17	9	2.18	.04	.13	5
AP 21F	8	578	12429	9456	68.9	17	30	174	15.16	29826	5	34	3	19	49	67	2	12	.10	.013	2	46	.03	4	.03	4	.25	.02	.17	1
AP 21G	12	21977	71	497	96.0	272	133	1498	21.31	155	5	ND	4	10	2	2	2	54	2.98	.027	2	19	.21	16	.01	13	.17	.01	.06	290
AP L3S 4+00W	1	38	91	29	.4	6	14	157	1.13	118	5	ND	2	35	1	2	2	24	1.23	.044	3	95	.13	4	.09	8	.78	.02	.01	3
STD C	19	59	37	132	7.3	70	30	1063	4.02	41	23	8	41	47	19	18	19	60	.47	.087	40	63	.91	180	.06	36	1.88	.06	.13	13

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: DEC 10 1987 DATE REPORT MAILED: Dec 14/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT # 87849 File # 87-6113 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3N 5+25W	1	4	4	16	.3	9	2	132	1.56	2	5	ND	1	9	1	2	2	75	.31	.008	2	29	.30	4	.21	2	.63	.03	.03	3
S L3N 5+50W	1	33	10	22	.3	6	3	96	5.77	2	5	ND	1	13	1	2	2	209	.18	.015	2	47	.15	7	.32	2	1.17	.02	.03	1
AP 23084	22	744	25	127	3.3	21	14	3753	5.61	23	5	ND	1	4	1	2	2	39	1.60	.061	2	48	.52	19	.03	584	.86	.02	.01	30
AP 23085	7	112	43	120	1.7	17	24	1537	26.11	88	5	ND	2	3	1	2	2	51	3.55	.029	2	45	.25	6	.03	38	.67	.02	.02	4
AP 23086	4	35	17	88	.4	13	42	1648	17.57	144	5	ND	2	2	1	2	2	31	3.96	.015	2	35	.25	3	.02	23	.91	.02	.02	5
AP 23087	2	2195	14	309	8.2	24	224	2469	15.86	418	5	ND	2	10	1	2	2	99	1.43	.026	2	54	2.29	3	.02	2	5.16	.04	.02	2
AP 23088	1	142	6	28	.4	13	53	943	4.13	2572	5	ND	1	28	1	2	3	62	1.41	.053	2	55	.17	4	.07	185	.59	.02	.01	1
AP 23089	3	17304 ✓	256	20333 ✓	106.1 ✓	158	54	3176	26.55	160	5	ND	3	5	91	2	2	43	1.65	.024	2	42	.30	14	.04	22	.58	.03	.07	20
AP 23090	7	1035	83	16465	5.1	69	49	2172	23.74	174	5	ND	2	1	71	2	2	26	2.39	.018	2	58	.11	12	.02	18	.65	.02	.02	1
STD C	18	58	41	133	7.1	66	27	1051	4.04	40	22	7	37	49	18	17	19	55	.48	.088	38	58	.91	172	.08	30	1.92	.07	.13	12

✓ ASSAY REQUIRED FOR CORRECT RESULT -

RECEIVED DEC 1 5 1987

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: DEC 10 1987 DATE REPORT MAILED: Dec 14/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT # 87849 File # 87-6113 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3N 5+25W	1	4	4	16	.3	9	2	132	1.56	2	5	ND	1	9	1	2	2	75	.31	.008	2	29	.30	4	.21	2	.63	.03	.03	3
S L3N 5+50W	1	33	10	22	.3	6	3	96	5.77	2	5	ND	1	13	1	2	2	209	.18	.015	2	47	.15	7	.32	2	1.17	.02	.03	1
AP 23084	22	744	25	127	3.3	21	14	3753	5.61	23	5	ND	1	4	1	2	2	39	1.60	.061	2	48	.52	19	.03	584	.86	.02	.01	30
AP 23085	7	112	43	120	1.7	17	24	1537	26.11	88	5	ND	2	3	1	2	2	51	3.55	.029	2	45	.25	6	.03	38	.67	.02	.02	4
AP 23086	4	35	17	88	.4	13	42	1648	17.57	144	5	ND	2	2	1	2	2	31	3.96	.015	2	35	.25	3	.02	23	.91	.02	.02	5
AP 23087	2	2195	14	309	8.2	24	224	2469	15.86	418	5	ND	2	10	1	2	2	99	1.43	.026	2	54	2.29	3	.02	2	5.16	.04	.02	2
AP 23088	1	142	6	28	.4	13	53	943	4.13	2572	5	ND	1	28	1	2	3	62	1.41	.053	2	55	.17	4	.07	185	.59	.02	.01	1
AP 23089	3	17304 ✓	256	20333 ✓	106.1 ✓	158	54	3176	26.55	160	5	ND	3	5	91	2	2	43	1.65	.024	2	42	.30	14	.04	22	.58	.03	.07	20
AP 23090	7	1035	83	16465	5.1	69	49	2172	23.74	174	5	ND	2	1	71	2	2	26	2.39	.018	2	58	.11	12	.02	18	.65	.02	.02	1
STD C	18	58	41	133	7.1	66	27	1051	4.04	40	22	7	37	49	18	17	19	55	.48	.088	38	58	.91	172	.08	30	1.92	.07	.13	12

✓ ASSAY REQUIRED FOR CORRECT RESULT -

RECEIVED DEC 1 5 1987

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
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- SAMPLE TYPE: SOLUTION

DATE RECEIVED: DEC 10 1987 DATE REPORT MAILED: Dec 15/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87859 File # 87-6111 Page 1 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L3N 300E	1	3	5	62	.1	1	1	64	.13	2	5	ND	1	38	1	2	2	2	.53	.036	2	2	.11	10	.01	5	.09	.04	.04	1
S L3N 275E	3	30	17	24	.3	6	5	101	5.89	18	5	ND	2	6	1	2	2	154	.12	.013	2	67	.21	10	.35	2	2.51	.02	.03	1
S L3N 250E	2	8	11	19	.2	2	3	55	5.94	11	5	ND	1	6	1	2	2	174	.13	.012	2	24	.07	8	.29	2	1.17	.02	.01	1
S L3N 225E	1	2	5	14	.1	2	2	110	1.32	5	5	ND	1	10	1	2	2	94	.41	.008	2	12	.06	7	.20	2	.57	.02	.02	1
S L3N 200E	5	31	14	25	.2	3	2	226	5.05	18	5	ND	1	8	1	2	2	126	.79	.019	2	30	.11	9	.25	2	2.93	.02	.02	1
S L3N 175E	1	156	8	28	2.1	3	2	147	6.93	23	5	ND	1	8	1	2	2	108	.46	.034	2	23	.07	3	.14	2	.41	.02	.03	7
S L3N 150E	1	6	5	16	.2	1	2	174	3.81	2	5	ND	1	11	1	2	2	182	.36	.009	2	13	.08	4	.26	2	.73	.02	.01	1
S L3N 125E	1	5	11	14	.1	2	1	409	3.77	8	5	ND	1	5	1	2	2	182	.33	.013	2	23	.05	4	.34	2	.66	.02	.02	1
S L3N 100E	5	69	26	55	1.2	7	11	506	25.58	1707	5	ND	4	2	1	2	12	160	.03	.061	2	45	.17	6	.19	3	3.84	.01	.02	12
S L3N 075E	9	128	12	36	3.3	4	41	965	8.67	238	5	ND	4	1	1	2	2	87	.02	.078	5	45	.08	4	.12	2	7.82	.01	.01	4
S L3N 050E	1	8	11	25	.2	3	2	91	6.10	95	5	ND	2	10	1	2	2	166	.10	.031	2	21	.13	8	.30	2	1.48	.02	.03	1
S L3N 025E	2	6	14	24	.1	3	2	62	6.17	57	5	ND	2	9	1	2	2	157	.08	.022	2	24	.10	12	.29	2	1.71	.02	.03	2
S L3N 000	2	24	10	30	.2	5	4	193	5.97	79	5	ND	2	17	1	2	2	114	.15	.038	3	32	.21	21	.23	2	3.15	.02	.02	1
S L3N 025W	1	25	7	26	.4	4	3	218	5.85	20	5	ND	2	11	1	2	2	133	.15	.035	2	21	.20	15	.29	2	3.76	.02	.02	1
S L3N 050W	2	22	10	34	.3	6	6	281	4.74	88	5	ND	1	14	1	2	2	117	.24	.033	3	24	.31	22	.20	2	2.47	.02	.02	1
S L3N 075W	2	18	8	23	.2	5	2	88	4.69	23	5	ND	3	10	1	2	2	126	.10	.030	4	43	.25	15	.31	2	5.44	.02	.01	1
S L3N 100W	5	3	5	14	.1	1	1	61	1.83	6	5	ND	1	32	1	2	2	108	.16	.009	2	7	.11	13	.17	2	.58	.02	.02	1
S L4N 275E	1	1	2	5	.1	1	1	14	1.44	2	5	ND	1	3	1	2	2	86	.04	.003	2	16	.02	3	.12	2	.27	.01	.01	1
S L4N 250E	1	1	2	4	.1	1	1	11	.64	2	5	ND	1	4	1	2	2	49	.03	.002	2	8	.01	1	.05	2	.11	.01	.01	1
S L4N 225E	.1	2	5	5	.1	1	1	13	.53	2	5	ND	1	3	1	2	2	59	.04	.005	2	6	.02	3	.09	2	.25	.01	.01	1
S L4N 200E	4	20	15	25	.3	7	6	167	2.49	3	5	ND	1	9	1	2	2	125	.13	.027	3	48	.18	11	.20	2	1.43	.02	.02	3
S L4N 175E	1	4	2	8	.1	4	1	30	1.41	3	5	ND	1	15	1	2	2	93	.09	.007	2	35	.08	7	.18	2	.34	.02	.02	1
S L4N 150E	1	2	2	6	.1	4	2	41	1.77	2	5	ND	1	9	1	2	2	83	.10	.005	2	92	.06	3	.11	2	.16	.01	.03	1
S L4N 125E	1	58	14	41	.3	7	5	169	6.73	16	5	ND	2	10	1	2	2	128	.06	.025	3	63	.36	14	.42	2	5.96	.02	.01	1
S L4N 100E	1	10	6	12	.2	4	5	57	4.47	11	5	ND	1	8	1	2	2	159	.08	.011	2	16	.08	7	.20	2	.82	.02	.01	1
S L4N 075E	1	60	12	48	.3	9	4	171	6.35	19	5	ND	2	10	1	2	2	101	.10	.038	2	46	.33	17	.31	2	5.66	.02	.02	2
S L4N 050E	2	42	12	42	.5	5	3	115	9.73	24	5	ND	2	5	1	2	2	191	.09	.024	2	69	.19	7	.52	2	2.56	.02	.03	1
S L4N 025E	2	51	9	46	.6	9	4	130	7.18	38	5	ND	2	10	1	2	2	114	.08	.024	2	80	.27	18	.33	2	3.73	.02	.02	3
S L4N 000	5	77	18	126	.7	8	68	1137	7.86	340	5	ND	3	5	1	2	2	87	.06	.045	3	40	.10	15	.18	2	6.49	.02	.02	1
S L4N 025W	4	21	13	85	.6	4	25	371	8.01	1152	5	ND	2	4	1	2	4	116	.09	.030	2	28	.08	14	.32	2	2.54	.02	.01	1
S L4N 050W	8	14	16	32	.6	4	7	79	4.82	592	5	ND	2	11	1	2	2	129	.18	.023	2	21	.14	19	.31	3	1.69	.02	.04	2
S L4N 075W	3	5	6	15	.4	2	1	38	1.43	10	5	ND	1	10	1	2	2	71	.12	.015	2	8	.09	10	.14	2	.61	.02	.01	1
S L4N 100W	1	2	2	34	.2	3	1	10	.14	4	5	ND	1	38	1	2	2	2	.12	.041	2	3	.23	18	.01	5	.12	.04	.03	1
S L8N 250E	2	10	18	19	.2	13	3	99	5.44	5	5	ND	1	7	1	2	2	175	.10	.011	2	28	.32	15	.23	2	1.59	.02	.02	1
S L8N 225E	4	15	12	25	.1	2	3	115	3.73	2	5	ND	1	154	1	2	2	134	.27	.011	2	6	.41	73	.31	2	1.47	.05	.12	1
S L8N 200E	1	1	6	13	.1	2	1	18	.60	2	5	ND	1	6	1	2	2	54	.08	.015	2	8	.06	6	.09	2	.54	.01	.02	1
S L8N 175E	1	1	2	7	.1	1	1	6	.43	2	5	ND	1	7	1	2	2	23	.04	.008	2	2	.01	4	.03	2	.27	.01	.01	1
S L8N 150E	1	1	6	7	.1	1	1	8	.41	2	5	ND	1	3	1	2	2	33	.02	.007	2	2	.02	6	.06	2	.48	.01	.02	1
S L8N 125E	1	1	5	13	.2	1	1	7	.20	3	5	ND	1	3	1	2	2	17	.03	.012	2	1	.02	6	.02	2	.24	.01	.02	1
STD C	18	59	38	131	7.6	67	27	1060	4.10	40	21	8	38	50	18	17	22	56	.49	.081	38	60	.92	175	.08	30	1.87	.07	.13	13

RECEIVED DEC 15 1987

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
S L8N 100E	1	2	4	20	.1	3	3	66	1.66	2	5	ND	1	17	1	2	2	104	.28	.022	2	25	.12	4	.16	3	.33	.03	.05	1
S L8N 075E	1	4	5	22	.1	4	3	67	1.94	2	5	ND	1	15	1	2	2	110	.26	.023	2	30	.13	4	.13	3	.33	.03	.02	1
S L8N 050E	1	4	4	12	.1	2	2	48	1.79	2	5	ND	1	9	1	2	2	161	.16	.015	2	9	.05	2	.27	3	.27	.02	.02	1
S L8N 025E	1	13	9	17	.1	3	3	113	5.82	8	5	ND	1	12	1	2	2	257	.22	.014	2	18	.13	4	.39	2	.81	.02	.03	1
S L8N 000	5	54	28	58	1.7	6	3	102	3.27	255	5	ND	1	13	1	2	12	92	.20	.063	3	27	.20	15	.13	4	1.72	.02	.04	1
S L8N 025W	1	6	16	17	.2	2	2	103	7.00	4	5	ND	1	8	1	2	2	268	.16	.010	2	23	.08	5	.44	2	1.44	.02	.02	1
S L8N 050W	1	6	8	15	.1	4	2	60	4.01	2	5	ND	1	9	1	2	2	121	.15	.010	2	19	.15	9	.20	2	1.13	.02	.02	1
S L8N 075W	1	7	3	13	.1	2	1	30	1.30	2	5	ND	1	10	1	2	2	47	.17	.003	2	4	.04	8	.09	2	.70	.01	.01	1
S L8N 100W	1	3	10	15	.1	2	1	64	3.76	2	5	ND	1	8	1	2	2	116	.15	.012	2	14	.13	9	.15	2	1.61	.02	.02	1
S L8N 125W	1	7	8	14	.1	3	2	104	2.83	2	5	ND	1	10	1	2	2	113	.22	.008	2	13	.21	13	.12	2	1.31	.02	.01	1
S L8N 150W	1	3	10	21	.1	2	2	58	6.52	4	5	ND	2	16	1	2	2	156	.25	.035	2	19	.12	6	.40	2	2.43	.02	.02	1
S L8N 175W	1	8	9	17	.1	3	2	106	3.04	3	5	ND	1	13	1	2	2	143	.31	.010	2	14	.26	9	.22	2	1.52	.03	.03	1
S L8N 200W	1	3	3	9	.1	1	1	40	.56	2	5	ND	1	24	1	2	2	33	.31	.010	2	5	.03	10	.07	2	.48	.01	.01	1
S L8N 225W	1	5	9	11	.1	2	1	55	.73	3	5	ND	1	16	1	2	2	44	.24	.013	3	8	.07	8	.17	2	.85	.02	.03	1
S L8N 250W	1	7	11	19	.1	3	2	76	3.91	2	5	ND	1	14	1	2	2	122	.23	.010	3	17	.13	8	.24	2	1.30	.02	.03	1

ROSSBACHER LABORATORY PROJECT-CE87 FILE # 87-

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP TRENCH-A	14	783	24	91	1.8	16	26	1789	9.62	74	5	ND	1	16	1	2	15	32	4.49	.046	2	22	.17	2	.03	10	.32	.01	.02	3
AP TRENCH-B	6	49545✓	39	1717	196.2✓	41	48	195	30.95	238	5	ND	2	2	12	7	61	23	.23	.005	2	12	.05	5	.01	28	.04	.03	.02	264✓
AP L3N 4+27W	1	324	5	79	1.1	6	5	737	1.30	8	5	ND	1	43	1	2	2	15	1.49	.018	2	41	.30	2	.07	2	.74	.02	.01	7
AP L3+75N 1+75W	47	34207✓	40	293	156.8✓	79	302	338	8.77	5980	5	ND	2	10	5	2	47	21	.45	.061	2	39	.72	2	.09	2	.82	.02	.01	1065✓

✓ASSAY REQUIRED FOR CORRECT RESULT -

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604) 253-3158 FAX(604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOLUTION

DATE RECEIVED: DEC 22 1987 DATE REPORT MAILED: Dec 24/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

ROSSBACHER LABORATORY PROJECT-CERT #87876 File # 87-6296 V248

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM
AP 20987	6	999	94	137	4.2	246	98	938	43.72	113	5	ND	4	2	1	2	2	29	1.27	.018	2	16	.07	14	.01	56	.29	.02	.02	6
AP 20988	7	6022	13	257	30.3	20	6	1595	5.59	65	5	ND	1	24	2	2	2	73	9.61	.175	4	54	.12	21	.04	17	.71	.01	.02	14
AP 20989	11	984	22	55	4.9	13	17	1272	8.95	214	5	ND	1	19	1	2	4	47	7.07	.129	3	38	.10	8	.04	19	.52	.01	.01	15
AP 23091	11	656	99	3569	4.0	133	155	999	31.63	1265	5	ND	2	2	15	2	2	23	1.62	.023	2	22	.08	13	.02	36	.29	.02	.01	2

PHONE 980-5814

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag,Al,As,B,Bi,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Mo,
Na,Ni,P,Pb,Sb,Sr,Th,U,V,Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sedimint samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formated by routing computer dotline print out.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Analytical Report

Company:MPH CONSULTING LTD.
Project:V 248
Attention:G.HAWKINS

File:8-70
Date:JAN 26/88
Type:ROCK GEOCHEM

Date Samples Received :JAN 25/88
Samples Submitted by :G.HAWKINS

Report on .....23 ROCKS..... Geochem Samples
..... Assay Samples

Copies sent to:
1. MPH CONSULTING LTD., VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh ..... Ground to mesh .....-80.....

Prepared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

AU-FIRE GEOCHEM.
31 ELEMENT TRACE ICP.

Remarks

RECEIVED JAN 2 9 1988

COMPANY: MPH CONSULTING LTD. MIN-EN LABS ICP REPORT (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 248 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-070/P1

ATTENTION: B.HAWKINS (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:JAN 26, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
V192 51	2.3	20410	29	49	55	4.0	2	69360	1.6	49	16	146720	310
V192 52	2.1	27330	18	37	60	1.1	3	22900	.7	14	56	30490	3360
V192 53	2.2	21870	13	48	43	.8	3	23480	.4	10	8	21750	2500
V192 54	1.4	28280	3	37	22	.8	3	31900	.3	7	7	22790	1580
V192 55	1.0	28540	17	111	44	1.1	3	18260	.4	14	71	31770	2560
V192 56	1.5	37380	8	138	37	1.1	3	37880	.4	9	49	33170	2570
V192 58	1.1	24690	13	78	53	1.0	3	19580	.3	10	10	31350	2510
V192 59	1.2	23190	2	31	175	1.1	2	13390	.9	15	232	34280	5060
V192 60	3.8	17110	52	35	65	1.7	1	18610	.8	177	899	53910	2670
V192 61	1.1	25310	12	34	50	.9	3	21130	.8	12	14	27800	2060
V192 62	1.3	34640	1	418	17	1.0	2	46000	.3	12	16	22710	1100
V192 63	1.0	30100	5	48	44	.7	2	31140	.5	6	8	21930	3910
V192 64	1.3	20230	10	49	57	1.2	2	18690	.3	36	6	34750	2000
V192 65	1.6	21040	13	39	48	1.1	3	22300	.5	10	28	33440	1810
V192 66	2.0	18320	34	43	78	1.5	2	22980	1.1	110	136	45450	2340
V192 67	.9	20660	9	43	75	1.1	5	23640	.8	48	20	33330	3880
V192 68	1.8	25020	11	35	63	.9	9	21720	.5	15	28	27140	4200
V192 72	1.1	23610	16	36	70	1.2	5	14110	.7	16	252	36240	3990
V192 73	1.0	29540	13	38	78	1.1	11	17490	.6	12	20	32610	4390
V192 74	1.1	29970	19	38	107	1.2	11	18720	.3	17	122	37800	5470
V192 75	.9	28530	17	38	62	1.2	12	18290	.3	13	17	35810	3760
V192 76	.7	27480	19	41	51	1.2	13	14700	.6	14	23	37210	2860
V192 77	.6	24060	15	32	76	1.4	13	11860	1.0	13	38	44990	3270

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
V192 51	9	7370	1752	2	1160	2	1450	18	2	4	1	1	100.0
V192 52	30	17260	362	2	2110	1	2070	16	2	152	1	1	99.8
V192 53	17	12950	313	1	1690	3	2260	13	2	97	1	1	90.3
V192 54	17	12350	332	1	560	2	1680	11	1	179	1	1	76.9
V192 55	31	21160	305	1	2260	3	1940	17	2	68	1	1	91.0
V192 56	27	16390	352	1	1030	1	2050	12	3	170	1	1	83.1
V192 58	29	15200	309	1	1770	3	2560	19	2	49	1	1	70.2
V192 59	18	13640	228	1	2530	3	1750	19	1	70	1	1	83.1
V192 60	11	11060	368	1	570	1	1540	13	3	32	1	1	47.3
V192 61	20	15890	288	1	1250	2	2340	19	3	82	1	1	65.4
V192 62	16	13320	262	1	390	2	1840	17	2	61	1	1	77.7
V192 63	15	10650	288	1	1130	2	2080	8	1	185	1	1	54.7
V192 64	16	14000	358	1	1150	1	2620	18	3	34	1	1	65.4
V192 65	16	11860	366	1	1410	2	2610	13	3	62	1	1	94.6
V192 66	11	12560	475	1	1420	2	2790	18	1	21	1	1	107.1
V192 67	18	15740	401	1	1130	2	1660	16	2	30	1	1	66.1
V192 68	19	16570	316	1	1040	2	2190	11	3	90	1	1	87.1
V192 72	25	17210	280	1	1720	1	2010	12	3	44	1	1	83.7
V192 73	32	20730	297	1	2640	3	2220	18	2	40	1	1	99.6
V192 74	41	21210	270	2	2590	4	2100	23	3	47	1	1	93.0
V192 75	32	20580	347	1	2020	2	1750	18	4	40	1	1	98.3
V192 76	32	21490	245	1	2310	5	1990	15	1	33	1	1	83.4
V192 77	29	18260	203	1	1830	2	1550	15	3	46	1	1	70.1

(VALUES IN PPM)	ZN	SA	SN	W	CR	AU-PPB
V192 51	62	1	1	1	59	3
V192 52	42	1	1	2	135	6
V192 53	33	1	2	1	113	5
V192 54	33	1	1	2	138	13
V192 55	36	1	1	2	103	4
V192 56	40	1	9	2	128	6
V192 58	40	1	1	2	97	3
V192 59	32	1	1	2	141	7
V192 60	44	1	1	2	110	33
V192 61	31	1	1	2	108	2
V192 62	35	1	1	1	75	4
V192 63	25	1	1	1	152	4
V192 64	46	1	2	2	102	3
V192 65	40	1	2	2	79	2
V192 66	41	1	2	2	50	17
V192 67	41	1	1	1	80	3
V192 68	35	1	2	2	102	2
V192 72	36	1	2	2	62	6
V192 73	40	1	1	3	82	4
V192 74	36	1	2	2	91	3
V192 75	38	1	1	2	66	3
V192 76	38	1	1	2	124	2
V192 77	31	1	1	2	102	5

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VTA USA 7601067 UC

Analytical Report

Company:MPH CONSULTING
Project:V 248
Attention:T.G.HAWKINS/V.RYBACK-HARDY

File:8-89
Date:JAN 30/88
Type:ROCK GEOCHEM

Date Samples Received :JAN 27/88
Samples Submitted by :T.G.HAWKINS/V.RYBACK-HARDY

Report on .....19 ROCKS..... Geochem Samples
..... Assay Samples

Copies sent to:
1. MPH CONSULTING, VANCOUVER, B.C.
2. MPH CONSULTING, AHOUSAT, B.C.
3.

Samples: Sieved to mesh ..... Ground to mesh .....-80.....

Prepared samples stored:.....X..... discarded:.....
reiects stored:.....X..... discarded:.....

Methods of analysis:

AG-ACID DIGESTION CHEMICAL ANALYSIS.
AU-FIRE GEOCHEM.

Remarks

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:MPH CONSULTING
Project:V 248
Attention:T.G.HAWKINS/V.RYBACK HARDY

File:9-89/P1
Date:JAN 30/88
Type:ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AU-FIRE PPB
19 267	2.4	3
19 269	2.1	2
19 270	1.8	1
19 271	2.3	3
19 278	1.6	2
19 279	2.0	5
19 280	2.0	3
19 281	1.8	4
19 282	1.7	2
19 283	2.1	3
19 284	1.9	2
19 285	2.0	3
19 286	1.8	3
19 287	1.8	2
19 288	1.7	1
19 289	1.8	2
19 290	1.9	2
19 291	1.6	3
19 292	1.4	1

Certified by

MIN-EN LABORATORIES LTD.

RECEIVED FEB 2 - 1988

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Analytical Report

Company:MPH CONSULTING
Project:V 248
Attention:G.HAWKINS/V.RYBACK-HARDY

File:8-89R
Date:FEB 2/88
Type:PULP GEOCHEM

Date Samples Received :FEB 1/88
Samples Submitted by :MR. HAYES

Report on .....19 PULPS..... Geochem Samples
..... Assay Samples

Copies sent to:
1. MPH CONSULTING, VANCOUVER, B.C.
2. MPH CONSULTING, AHOUSAT, B.C.
3.

Samples: Sieved to mesh ..... Ground to mesh .....

Prepared samples stored:.....X.... discarded:.....
rejects stored:..... discarded:.....

Methods of analysis:

31 ELEMENT TRACE ICP.

Remarks

COMPANY: MPH CONSULTING — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 3

PROJECT NO: V 248 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-89R

ATTENTION: T.G.HAWKINS/V.RYBACK-HARDY — (604)980-5814 OR (604)988-4524 — * TYPE PULP GEOCHEM * — DATE:FEB 2, 1989

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
19 257	2.3	28140	19	45	22	1.3	13	26520	.3	16	48	36350
19 269	2.0	21490	14	39	27	1.0	10	16910	.3	11	1	27640
19 270	1.7	20740	9	38	35	1.0	13	16150	.8	8	1	27660
19 271	2.2	30330	4	49	113	1.2	16	21450	.9	11	5	35980
19 278	1.6	28460	14	43	43	.9	11	27180	.4	6	1	26580
19 279	2.1	27360	12	43	111	1.4	15	14130	1.2	14	108	39480
19 280	2.0	24070	7	38	69	1.2	14	13880	.4	13	115	34380
19 281	1.5	27110	7	39	52	1.1	11	17600	1.3	7	1	32190
19 282	1.9	23640	5	36	71	1.1	13	15020	1.1	11	1	32640
19 283	1.8	20780	6	33	56	1.4	9	8830	.5	11	23	41710
19 284	1.5	26610	9	47	49	1.2	12	14320	.6	10	23	35410
19 285	1.9	30090	14	44	59	1.2	15	16350	.7	13	28	37990
19 286	1.7	30780	3	45	56	1.2	14	19650	.6	11	24	33730
19 287	1.9	33470	10	50	57	1.4	16	17550	.6	13	18	42250
19 288	1.7	34860	3	50	21	1.3	14	23680	1.2	15	38	38930
19 289	1.8	29850	11	45	24	1.4	15	19850	2.1	20	58	43050
19 290	1.8	32110	19	48	38	1.3	16	26410	.5	13	46	40720
19 291	1.5	26460	2	41	43	1.3	17	23070	1.1	11	5	38090
19 292	1.6	24140	8	38	41	1.3	17	19730	.3	16	1	38400

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
19 267	500	24	22750	430	1	770	3	2560	31	1	84	1
19 269	1190	26	18550	283	1	950	7	1530	19	1	37	1
19 270	2260	22	19860	339	1	1310	5	1540	26	2	54	1
19 271	9370	31	25300	306	1	1570	2	2030	24	1	95	1
19 278	5000	20	15330	322	1	370	1	1360	14	2	243	1
19 279	5470	35	27670	302	2	1040	4	1650	27	2	36	1
19 280	3670	30	21550	275	1	1430	1	2200	20	3	45	1
19 281	9020	26	22600	283	1	870	12	1380	23	3	105	1
19 282	4990	22	20430	331	1	1470	7	1740	18	2	51	1
19 283	2810	26	16460	160	1	1710	3	1640	21	1	57	1
19 284	2300	30	19710	249	1	2560	1	1630	18	1	50	1
19 285	1950	37	22440	349	1	2030	1	2150	28	2	56	1
19 286	1760	28	19040	431	1	2410	1	1930	20	1	62	1
19 287	1650	37	25800	725	1	2120	1	2330	25	1	84	1
19 288	520	35	24700	710	1	870	3	1960	24	1	61	1
19 289	630	22	25140	496	1	850	4	2710	24	1	81	1
19 290	920	22	21860	538	1	1330	1	2300	23	1	132	1
19 291	1080	19	16800	472	1	1130	1	3290	25	4	73	1
19 292	960	20	15900	417	1	1230	2	3520	21	2	52	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
19 267	1	91.7	50	1	1	1	99
19 269	1	69.2	39	1	1	1	65
19 270	1	75.6	41	1	1	1	71
19 271	1	108.2	47	1	2	1	74
19 278	1	74.1	32	1	1	1	124
19 279	1	110.6	48	1	2	2	89
19 280	1	89.1	45	1	1	1	79
19 281	1	78.2	42	1	1	2	148
19 282	1	97.4	45	1	2	1	110
19 283	1	42.8	29	1	1	1	91
19 284	1	81.1	40	1	1	2	88
19 285	1	89.6	46	1	2	2	65
19 286	1	70.9	46	1	1	1	72
19 287	1	90.2	62	1	3	2	61
19 288	1	82.9	62	1	3	2	52
19 289	1	108.8	48	1	1	2	68
19 290	1	120.4	46	1	2	1	27
19 291	1	89.9	41	1	1	1	42
19 292	1	71.4	43	1	1	1	21

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Analytical Report

Company:MPH CONSULTING
Project:V248
Attention:VICTOR RYBACK-HARDY

File:8-118
Date:FEB 5/88
Type:ROCK GEOCHEM

Date Samples Received :FEB 2/88
Samples Submitted by :V.RYBACK-HARDY

Report on .....46 ROCKS..... Geochem Samples
.....
..... Assay Samples
.....

Copies sent to:
1. MPH CONSULTING, VANCOUVER, B.C.
2. MPH CONSULTING, AHOUSAT, B.C.
3.

Samples: Sieved to mesh ..... Ground to mesh ....-100.....

Prepared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

AU-FIRE GEOCHEM
31 ELEMENT TRACE ICP

Remarks

COMPANY: MPH CONSULTING — MIN-EN LABS ICP REPORT — PAGE 1 OF 3

PROJECT NO: 9248 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 9-118/P1+2

ATTENTION: VICTOR RYBACK-HARDY — (604)990-5814 OR (604)988-4524 — * TYPE ROCK GEOCHEM * — DATE:FEB 5, 1988

VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
19 293	2.7	25940	16	54	90	1.3	19	21990	.5	12	30	40550	2190
19 294	2.1	19550	8	37	50	.9	16	15640	.8	11	18	29830	1300
19 295	2.2	17230	14	28	62	.9	16	14270	1.1	11	34	28660	1470
19 296	1.6	23890	5	37	80	1.1	18	22100	.2	11	29	33060	2160
19 297	1.6	20110	4	27	49	1.1	18	19650	.8	12	59	35420	1490
19 298	1.8	20810	7	31	66	1.1	17	18790	.3	14	49	37970	1870
19 299	2.2	23390	1	32	132	1.1	17	23450	1.1	11	46	37690	1710
19 300	1.5	23610	14	33	69	1.0	17	23230	.3	10	24	31630	1520
19 301	1.4	25920	1	38	78	1.1	16	24560	.4	9	69	39150	2430
19 302	1.5	23670	13	36	52	1.1	17	26450	.3	12	22	35410	1890
19 303	1.2	21390	14	69	53	.9	17	21600	.4	11	32	29270	2150
19 304	1.2	25110	19	32	33	1.1	16	20950	.4	10	17	32380	1540
19 305	1.0	19760	4	145	54	.7	14	19790	.2	10	5	21870	2310
19 306	1.6	22710	4	41	90	1.1	15	19210	.8	13	22	38830	3150
19 307	1.8	21590	6	34	69	1.1	14	21090	.6	15	67	34800	2970
19 308	2.0	15040	10	23	44	.7	12	14090	.8	10	5	22990	1370
19 309	1.7	24200	12	35	41	1.0	13	21510	.4	12	46	32210	1470
19 310	.5	12750	99	49	47	6.4	4	30140	2.9	9	34	247440	230
19 311	1.4	12810	81	49	14	1.8	6	30000	3.9	22	112	59580	280
19 312	1.3	15810	212	50	10	1.0	6	36550	7.6	17	21	32690	390
19 313	1.3	27370	110	86	22	1.3	8	48570	3.7	16	33	46370	1560
19 314	1.2	18320	35	66	17	.8	10	31730	2.4	16	15	25550	520
19 315	1.2	13510	272	79	14	.5	6	25380	9.1	14	70	16190	280
19 316	1.0	13240	84	284	12	.7	6	30730	2.6	9	28	19160	270
19 317	1.2	12660	176	32	27	.4	5	18210	6.5	10	37	12870	520
19 318	1.3	26180	69	36	62	.7	8	22570	3.4	12	46	23730	1010
19 319	1.4	11800	45	19	48	.5	7	12840	2.1	10	32	15050	970
19 320	1.6	12040	49	71	21	.5	5	20660	2.4	6	109	15090	190
19 321	1.7	10090	66	46	34	.6	1	22050	2.8	8	195	18630	270
19 322	1.0	20980	2	28	84	.8	9	12690	.5	9	7	23100	5720
19 323	1.4	30900	13	69	66	1.2	13	21230	.3	10	50	33080	3690
19 324	1.7	19540	1	30	65	1.3	13	14710	.8	12	69	38430	1950
19 325	1.5	32680	12	24	19	1.3	12	23930	.7	16	60	39190	350
19 326	1.8	19670	9	11	36	1.3	14	18060	.6	12	50	37320	1120
19 327	1.8	17710	19	9	47	.9	12	16940	.4	13	70	24840	1420
19 328	1.4	26760	11	16	25	.9	12	22550	.7	14	43	25930	930
19 329	1.7	31890	18	20	30	.9	10	24620	1.0	12	113	25690	940
19 330	1.7	38500	12	22	33	.9	13	29720	.4	10	79	29170	1140
19 331	1.4	22790	15	9	29	.9	13	20560	.3	10	31	27240	1290
19 332	1.5	21370	4	8	37	.9	15	18040	.2	13	43	27590	1450
19 333	1.8	26650	1	13	53	1.1	14	20600	.6	13	66	33480	1810
19 334	1.5	39010	2	26	29	1.1	13	28490	.2	10	79	32680	900
19 335	1.3	43900	5	30	35	1.1	13	29390	.7	10	87	32260	730
19 336	1.5	21190	13	8	89	1.1	15	16330	.2	10	39	32560	1840
19 337	1.7	27750	11	28	28	1.4	14	30210	1.0	14	119	43000	850
19 338	1.6	34270	8	23	30	1.2	16	26140	.2	12	108	35950	630

COMPANY: MPH CONSULTING — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 2 OF 3

PROJECT NO: 9248 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-118/P1+2

ATTENTION: VICTOR RYBACK-HARDY — (604)980-5814 OR (604)988-4524 — * TYPE ROCK SEGCHEM * — DATE:FEB 5, 1988

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
19 293	33	15700	509	1	2440	3	3360	49	1	45	1	1	77.7
19 294	21	12750	362	2	1950	2	3110	30	4	38	1	1	52.7
19 295	17	11850	342	2	1920	2	2530	26	4	39	1	1	79.4
19 296	17	11810	422	2	2530	3	2400	18	1	57	1	1	103.7
19 297	14	11920	414	1	2080	2	2420	22	2	30	1	1	116.2
19 298	16	13650	445	1	2810	3	2490	23	1	37	1	1	130.2
19 299	18	12800	1120	1	1890	3	2760	34	2	44	1	1	110.2
19 300	16	11060	472	1	1930	3	2460	24	1	38	1	1	83.1
19 301	19	11790	414	1	2790	2	2570	18	1	48	1	1	97.5
19 302	17	11850	416	1	1470	2	2470	20	1	37	1	1	112.2
19 303	13	10010	334	1	2000	2	2420	16	1	53	1	1	89.9
19 304	37	20640	460	1	1200	3	2070	23	1	39	1	1	87.1
19 305	13	12460	235	1	1580	1	1630	18	1	42	1	1	65.5
19 306	20	14150	383	2	2070	3	2580	19	1	52	1	1	110.9
19 307	16	13690	458	1	2580	1	2230	24	1	51	1	1	107.9
19 308	15	9780	250	1	1220	1	1810	23	4	43	1	1	59.1
19 309	21	12980	335	1	1050	1	2200	21	4	89	1	1	87.8
19 310	1	9940	997	3	210	8	1390	15	1	1	1	1	29.0
19 311	1	7640	975	1	150	1	1180	16	3	40	1	1	24.0
19 312	1	6230	920	1	190	3	2250	17	4	57	1	1	44.0
19 313	6	7180	1053	1	900	4	2810	17	6	99	1	1	65.7
19 314	2	7230	685	1	910	11	2010	11	4	72	1	1	49.8
19 315	1	4080	497	1	410	8	1700	7	5	60	1	1	30.8
19 316	2	6310	900	2	310	8	1900	15	4	52	1	1	31.2
19 317	3	4320	286	1	510	5	1750	11	2	65	1	1	32.2
19 318	13	12280	527	1	3860	1	1630	17	3	108	1	1	67.3
19 319	6	6770	379	1	1050	11	1870	13	3	19	1	1	41.5
19 320	3	3120	329	3	270	11	1460	14	4	71	1	1	26.2
19 321	4	4670	452	2	430	14	1680	16	5	49	1	1	17.8
19 322	20	15880	223	1	2120	3	1520	22	2	42	1	1	73.4
19 323	22	19370	322	1	1590	1	1490	26	4	135	1	1	76.9
19 324	10	14510	435	1	1010	2	2460	18	3	32	1	1	88.7
19 325	6	23820	404	1	250	2	1800	27	4	153	1	1	89.0
19 326	1	13360	331	1	950	1	3370	23	3	60	1	1	73.3
19 327	1	10770	441	1	1330	7	2100	19	2	67	1	1	67.9
19 328	1	14530	590	1	2380	1	1510	20	2	69	1	1	82.2
19 329	1	12180	564	1	3160	2	1190	19	3	96	1	1	86.2
19 330	1	13460	571	1	4330	1	1390	20	4	130	1	1	99.7
19 331	1	13590	499	1	750	1	1770	19	1	41	1	1	73.2
19 332	1	12890	513	1	1260	1	1820	14	3	42	1	1	77.3
19 333	1	15960	562	1	1600	2	1800	15	4	65	1	1	96.5
19 334	1	13780	583	1	4470	3	1230	18	2	182	1	1	98.0
19 335	1	14020	604	1	5190	3	1220	20	1	198	1	1	104.4
19 336	1	15470	517	1	2080	2	1900	20	4	66	1	1	92.0
19 337	4	21360	798	1	1560	3	1490	21	4	160	1	1	123.0
19 338	1	18580	667	1	1760	3	1700	23	3	128	1	1	99.8

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
19 293	60	1	2	2	55	4
19 294	43	1	2	2	56	10
19 295	36	1	1	1	54	6
19 296	39	1	2	2	67	3
19 297	35	1	1	1	55	4
19 298	37	1	1	1	58	2
19 299	56	1	2	2	51	5
19 300	36	1	1	1	70	2
19 301	38	1	3	2	72	1
19 302	38	1	2	2	68	1
19 303	34	1	2	1	80	2
19 304	61	1	1	1	88	3
19 305	34	1	3	1	122	1
19 306	41	1	2	2	79	1
19 307	41	1	3	2	70	5
19 308	33	1	1	1	45	1
19 309	41	1	1	2	67	1
19 310	66	1	2	22	30	45
19 311	202	1	1	2	36	25
19 312	161	1	1	1	51	91
19 313	231	1	1	2	60	6
19 314	155	1	1	1	88	3
19 315	156	1	1	1	91	2
19 316	72	1	1	1	76	3
19 317	109	1	1	1	78	2
19 318	175	1	1	1	50	1
19 319	105	1	1	1	65	2
19 320	68	1	1	1	125	3
19 321	151	1	1	1	61	4
19 322	42	1	1	1	64	2
19 323	45	1	2	2	60	1
19 324	40	1	2	1	40	2
19 325	39	1	1	2	35	2
19 326	40	1	1	1	27	1
19 327	57	1	1	1	49	1
19 328	52	1	2	1	30	1
19 329	71	1	1	2	40	1
19 330	68	1	2	2	30	2
19 331	30	1	2	1	58	45
19 332	51	1	2	1	67	2
19 333	55	1	1	1	57	1
19 334	59	1	1	2	36	2
19 335	62	1	2	2	30	1
19 336	49	1	2	1	74	1
19 337	59	1	2	2	43	3
19 338	72	1	1	2	48	1

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: VIA USA 7601067 UC

Analytical Report

Company: MPH CONSULTANTS
Project:
Attention: V.RYBACK-HARDY

File: 8-140
Date: FEB 9/88
Type: ROCK GEOCHEM

Date Samples Received : FEB 7/88
Samples Submitted by : V.RYBACK-HARDY

Report on .....31 ROCKS..... Geochem Samples
..... Assay Samples

Copies sent to:
1. MPH CONSULTANTS, VANCOUVER, B.C.
2. " " ", AHOUSAT, B.C.
3.

Samples: Sieved to mesh ..... Ground to mesh .....-100.....

Prepared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

31 ELEMENT TRACE ICP.
AU-FIRE GEOCHEM.
AU-FIRE ASSAY.

Remarks

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:MPH CONSULTANTS
Project:
Attention:V.RYBACK-HARDY

File:8-140/P1
Date:FEB 9/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
19343	.83	0.024
19361	1.19	0.035

Certified by

MIN-EN LABORATORIES LTD.

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-140/P1

ATTENTION: V.RYBACK-HARDY | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:FEB 9, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
19339	1.6	20800	3	30	54	1.0	3	17200	1.3	11	37	28490	1270
19340	2.1	27960	2	33	13	1.1	3	26640	1.8	17	41	34890	150
19341	1.1	13760	6	62	46	6.4	3	40560	1.0	5	51	230290	180
19342	1.1	10740	159	131	9	1.1	2	40680	7.2	14	64	32740	200
19343	1.9	11680	1728	529	15	1.5	3	44110	62.4	72	83	46800	610
19344	.9	12400	71	90	10	.7	2	30520	2.4	13	8	24830	670
19345	.8	15160	108	71	39	.6	2	21990	3.9	12	28	17190	550
19346	1.9	16390	374	233	42	1.0	3	19490	16.3	66	99	31150	490
19347	1.7	11290	396	614	15	.7	2	30540	17.2	30	76	20290	210
19348	1.5	14000	83	432	10	.5	3	30160	4.2	23	29	14820	130
19349	1.7	21210	18	238	6	.7	3	44310	.5	27	33	21760	70
19350	1.6	22000	23	264	63	.8	3	26550	2.3	22	63	22620	680
19351	1.3	15870	25	210	13	.6	2	28400	1.4	17	55	18260	190
19352	1.5	19800	16	34	56	.7	3	19730	.4	21	45	18770	1180
19353	1.7	31360	20	44	32	1.1	3	28880	1.2	14	10	34180	1000
19354	1.7	40680	20	57	52	1.0	4	29590	.3	10	16	29120	1520
19355	1.1	18570	6	29	46	.8	4	13520	.5	10	61	23200	1510
19356	1.3	21220	5	32	53	.9	5	16620	.7	11	52	28070	1820
19357	1.0	50710	17	57	42	1.0	5	34250	.3	11	123	30750	1010
19358	1.1	22300	5	30	54	.8	6	16640	.2	10	62	27280	1410
19359	1.0	33720	14	49	33	1.2	6	22630	.2	10	118	36150	710
19360	2.1	21830	13	28	16	.8	7	31480	.7	8	52	24120	430
19361	6.7	19230	24	35	29	4.2	4	17200	3.2	44	1279	145950	460
19362	1.5	24520	5	28	7	.8	7	38490	.3	6	30	26040	60
19363	1.7	24980	9	33	7	.8	8	57060	.3	8	39	24670	40
19364	2.6	37330	3	58	34	1.4	4	40940	1.4	20	613	39810	1010
19365	1.7	40590	1	52	24	1.7	11	29870	1.0	13	111	51490	1090
19366	1.8	40010	20	52	27	1.8	11	28010	.5	17	166	52940	670
19367	1.3	38920	18	47	11	1.4	12	34390	.5	14	44	39500	100
19368	1.0	28100	16	34	31	1.0	11	25890	.3	9	7	26770	620
19369	1.7	29610	3	43	67	1.3	13	23390	1.0	11	15	39900	1580

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
19339	16	17200	537	2	1740	3	2030	37	1	70	2	1	93.2
19340	7	20700	481	1	250	12	2210	27	4	139	2	1	95.4
19341	1	9750	946	1	190	1	1440	27	15	41	1	1	45.1
19342	1	7410	1188	1	140	1	1120	14	2	49	1	1	23.4
19343	1	7610	1704	2	340	8	4810	24	6	23	1	1	84.3
19344	1	5560	776	1	430	1	3300	13	1	39	1	1	84.2
19345	3	5510	487	1	870	1	1580	9	1	81	1	1	38.1
19346	8	8880	871	1	1040	14	1680	28	3	48	1	1	46.8
19347	1	4220	1382	1	140	16	1690	19	4	28	1	1	22.8
19348	1	3210	937	2	130	12	1720	13	1	53	1	1	29.7
19349	1	4810	799	1	60	2	2030	12	2	122	1	1	41.0
19350	5	9330	818	2	1210	11	2080	26	4	96	1	1	57.8
19351	1	3220	538	2	230	12	3250	13	7	91	1	1	38.1
19352	7	8310	425	2	2000	4	2320	18	1	85	1	1	53.4
19353	10	17910	712	2	1420	3	1850	26	1	75	1	1	108.5
19354	12	18010	636	2	5010	4	960	38	6	142	1	1	88.4
19355	7	9900	452	2	1370	1	1420	17	1	42	1	1	46.8
19356	9	13880	493	1	1410	2	1750	19	1	69	1	1	76.9
19357	4	11350	472	1	7660	1	1420	24	5	203	1	1	104.6
19358	7	13190	488	1	2360	4	1840	17	1	99	1	1	75.7
19359	16	19690	665	1	2990	7	1270	25	2	109	2	1	97.1
19360	2	7090	651	1	240	2	1000	17	4	115	1	1	69.6
19361	9	14440	1635	3	170	1	2240	37	2	35	1	1	80.7
19362	1	4230	470	1	50	1	2420	15	1	176	1	1	32.9
19363	2	6040	732	1	40	2	3310	14	1	213	1	1	54.9
19364	26	16410	923	2	830	3	1950	28	6	112	1	1	86.5
19365	57	24300	1183	2	400	3	1830	35	1	75	2	1	123.7
19366	54	25620	967	2	620	4	2430	35	7	88	2	1	156.4
19367	19	21300	729	1	60	1	2070	26	1	219	2	1	103.6
19368	16	12940	427	1	120	2	2700	18	1	172	1	1	39.1
19369	17	15060	684	1	2460	1	2600	25	1	125	1	1	87.3

COMPANY: MPH CONSULTANTS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-140/P1

ATTENTION: V.RYBACK-HARDY | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:FEB 9, 1988

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
19339	60	1	2	1	72	3
19340	209	1	2	2	75	2
19341	89	1	2	2	59	78
19342	466	1	1	1	26	6
19343	267	1	1	1	59	725
19344	113	1	1	1	47	12
19345	63	1	1	1	82	7
19346	630	1	1	1	45	8
19347	593	1	1	1	70	46
19348	208	1	1	1	77	13
19349	61	1	1	1	77	4
19350	154	1	1	1	86	3
19351	101	1	1	1	145	27
19352	66	1	2	1	68	8
19353	63	1	3	2	55	9
19354	67	1	2	2	66	20
19355	66	1	2	1	76	2
19356	54	1	2	1	82	4
19357	53	1	3	2	37	7
19358	50	1	2	1	76	3
19359	67	1	2	2	93	3
19360	66	1	2	1	55	159
19361	437	1	2	3	33	975
19362	73	1	1	1	44	79
19363	121	1	1	1	73	52
19364	193	1	2	2	36	174
19365	130	1	3	2	65	14
19366	223	1	2	2	67	3
19367	120	1	2	2	112	2
19368	92	1	2	2	124	6
19369	65	1	2	2	97	9

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524 TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: MPH CONSULTANTS
Project: V248
Attention: T. HAWKINS/V. RYBACK-HARDY

File: 8-173/P1
Date: FEB 17/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
19386	.60	0.018
19387	.39	0.011
19400	1.18	0.034
19401	.39	0.011
19425	5.82	0.170

Certified by _____

MIN-EN LABORATORIES LTD.

COMPANY: MPH CONSULTANTS — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 3

PROJECT NO: V248 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-173/P1+2

ATTENTION: T.HAWKINS V.RYBACK-HARDY — (604)980-5814 OR (604)988-4524 — * TYPE ROCK GEOCHEM * — DATE:FEB 17, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
19370	2.5	20230	5	32	51	1.2	.19	21680	.2	1	38	33360	1890
19371	2.2	27450	14	34	42	1.3	18	30580	.7	1	14	33280	1560
19372	1.6	29770	5	48	28	1.2	19	29760	.4	1	4	31960	1110
19373	1.9	34340	3	37	32	1.3	19	32960	.6	1	66	37580	960
19374	1.2	35190	5	32	24	1.2	16	28670	.6	1	7	33960	1070
19375	1.5	23130	14	20	32	1.1	15	24280	1.2	1	29	32780	1430
19376	1.5	17680	3	17	37	1.3	10	19550	.3	1	77	37270	1390
19377	4.1	26660	8	27	64	1.5	5	28710	7.5	1	514	46590	2650
19378	1.3	17680	5	20	39	.9	7	16660	1.7	1	94	28300	1260
19379	1.2	21470	6	19	38	.8	10	21760	.4	1	15	21790	1130
19380	2.0	18900	2	27	52	.8	9	21470	.4	1	166	22250	1550
19381	1.8	34690	14	37	28	.9	9	42190	.3	1	53	23300	2170
19382	1.8	19700	4	23	48	1.3	7	22090	1.1	1	186	37840	2060
19383	1.4	24780	3	31	38	1.1	7	23030	1.3	1	116	29740	1520
19384	1.2	13160	14	7	10	1.1	5	29290	1.5	10	28	31770	160
19385	2.5	12780	8	13	8	.5	5	27870	.3	1	59	12090	70
19386	3.5	23350	15	41	11	1.1	3	56390	.4	1	267	32810	110
19387	2.6	20340	14	47	12	1.2	5	78010	.4	1	115	39390	160
19388	5.2	24270	10	23	10	.9	1	47510	1.0	1	1028	24810	150
19389	1.4	15430	7	16	12	.5	7	25890	.3	1	53	13200	390
19390	1.1	18070	10	14	16	.5	7	23580	.3	1	4	12170	620
19391	1.5	21560	7	18	16	1.2	13	18110	.7	1	33	34680	390
19392	2.5	22020	11	20	9	1.0	15	23800	.9	3	122	31470	80
19393	2.0	28060	9	27	25	1.8	16	25600	.2	1	33	37970	610
19394	2.1	42250	6	47	23	3.0	18	46870	1.1	1	4	103870	170
19395	1.7	31710	9	32	17	2.5	12	62990	.8	1	4	82820	70
19396	.8	68580	2	82	34	5.3	16	10420	1.9	1	4	187850	20
19397	2.7	26420	234	33	27	4.1	6	80730	3.4	1	133	147710	20
19398	1.1	18530	24	22	13	1.8	7	49060	1.3	1	6	58520	70
19399	1.8	46850	52	56	28	4.2	12	50350	2.0	19	58	144390	210
19400	7.0	7690	428	73	66	9.2	4	37700	5.9	33	1002	343900	190
19401	3.4	27870	157	36	26	3.8	5	94180	5.7	1	124	125260	50
19402	2.1	16990	1474	95	12	1.6	10	44870	49.8	75	34	46740	170
19403	1.3	33360	891	36	18	2.2	10	48890	30.7	151	5	70360	390
19404	2.0	28420	195	48	21	1.7	14	45490	6.9	209	5	50070	330
19405	.5	14990	22	11	24	1.3	6	7430	1.1	1	5	38560	540
19406	.9	44570	5	47	27	3.3	14	16190	1.4	1	5	108900	610
19407	1.1	32720	22	31	12	1.6	14	34990	.2	18	5	49980	140
19408	1.0	31930	21	32	16	1.6	12	36820	.2	21	5	47620	360
19409	1.3	22160	165	20	48	1.3	14	15820	6.5	15	32	39000	1040
19410	1.0	27990	2	25	11	1.3	13	37710	1.6	12	5	37690	160
19411	2.5	33920	1	34	11	1.2	13	37880	.6	1	45	34650	790
19412	.4	17300	10	16	34	.8	6	13110	.8	1	5	21970	1410
19413	1.1	26100	2	28	50	1.2	10	18550	.7	1	168	40540	960
19414	1.0	24550	14	26	54	1.0	12	17910	.5	1	49	30290	950
19415	1.1	23670	1	26	39	1.0	12	17520	.8	1	34	29530	710
19416	.8	37520	14	39	40	.9	13	26780	.7	1	57	27350	680
19417	1.0	20520	2	32	49	1.0	16	14870	.6	1	55	29440	1190
19418	1.2	20130	6	21	54	1.0	16	15330	.5	1	51	30230	1680
19419	2.9	19500	60	25	20	2.2	6	80150	1.0	29	289	75860	370
19420	2.6	32160	19	38	21	3.0	12	121270	1.1	1	21	103700	50
19421	2.5	19430	44	22	16	2.2	7	150940	.6	1	12	73100	30
19422	1.0	15230	72	17	13	1.9	11	59520	2.1	29	5	66060	30
19423	2.1	14610	177	92	39	5.6	1	66260	.5	5	199	215310	130
19424	1.3	17730	177	24	13	2.0	13	43280	4.8	14	5	65440	130
19425	3.2	19410	12473	22	17	2.4	210	42160	412.7	271	5	81980	60
19426	1.5	32600	620	57	25	2.4	23	34470	19.1	7	5	79630	1250
19427	1.3	23340	137	35	42	1.4	19	21110	5.2	1	5	46300	1120
19428	1.6	17250	48	29	20	.6	14	31070	2.3	1	44	19400	340

RECEIVED FEB 2 2 1988

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
19370	8	13670	438	1	1860	3	2480	38	1	41	1	1	100.7
19371	8	13730	432	1	1430	2	1760	28	1	69	1	1	114.5
19372	16	19080	418	1	910	2	2730	28	1	166	1	1	89.6
19373	16	19840	413	2	520	1	2000	28	4	178	1	1	145.7
19374	15	21390	378	1	460	2	2080	23	4	185	1	1	101.4
19375	6	13390	366	1	1290	3	2930	23	1	109	1	1	106.8
19376	1	11670	392	1	2030	1	3230	23	1	39	1	1	120.9
19377	17	16820	1234	1	320	3	2630	35	1	29	1	1	106.1
19378	6	13080	436	2	1210	1	2330	24	1	32	1	1	97.4
19379	10	12030	291	1	1170	2	2210	17	1	112	1	1	75.8
19380	2	9530	262	2	2070	1	3010	20	1	64	1	1	72.5
19381	1	9810	268	1	710	1	1960	18	1	76	1	1	85.7
19382	4	14650	531	1	1920	2	2460	27	1	33	1	1	141.7
19383	8	15420	283	1	2140	1	2910	25	1	97	1	1	80.3
19384	1	6970	1020	3	160	5	1200	15	2	51	1	1	47.7
19385	1	4110	293	1	50	1	790	22	2	89	1	1	47.9
19386	1	9160	2247	1	30	3	2110	27	4	79	1	1	57.2
19387	1	7270	2429	2	30	2	2810	24	2	28	1	1	48.3
19388	1	5210	597	1	80	2	2200	22	2	154	1	1	49.3
19389	1	3640	275	1	350	1	1950	17	1	54	1	1	34.7
19390	1	5640	248	1	650	1	1570	16	1	59	1	1	36.8
19391	1	15780	478	1	560	16	1680	18	1	79	1	1	107.5
19392	1	15580	505	1	90	16	1360	19	1	90	1	1	95.8
19393	15	21340	1457	2	660	13	1780	35	1	40	1	1	125.0
19394	25	26020	2851	2	50	1	1830	41	8	12	1	1	149.3
19395	14	18700	2492	1	10	1	1150	40	1	11	1	1	107.4
19396	35	38210	4103	4	10	1	2730	52	10	10	1	1	184.7
19397	1	15880	2809	1	10	6	1520	34	9	11	1	1	98.7
19398	1	11950	1590	4	20	3	1680	26	1	8	1	1	63.4
19399	33	24740	3354	1	20	4	3240	48	11	20	1	1	146.6
19400	7	5790	1042	1	110	10	1530	53	6	17	2	1	29.2
19401	6	17060	2775	1	10	5	1520	49	7	14	1	1	86.8
19402	1	11280	1305	1	90	5	1550	29	3	46	1	1	42.7
19403	14	18770	1829	1	30	1	2760	34	7	85	1	1	85.8
19404	5	15740	1524	2	170	1	2400	37	1	101	1	1	67.5
19405	1	10520	972	1	20	3	610	17	3	8	1	1	28.1
19406	37	24050	2615	1	10	8	1430	43	4	8	1	1	83.7
19407	18	22670	1180	1	10	3	2940	24	6	106	1	1	72.9
19408	14	21040	1189	1	30	1	2750	22	5	124	1	1	70.1
19409	11	18350	921	1	750	1	1790	31	3	29	1	1	69.5
19410	13	18430	897	1	40	11	2020	23	5	110	1	1	54.6
19411	18	16700	666	2	60	5	1580	24	5	155	1	1	61.3
19412	2	9310	380	1	1230	1	620	16	1	55	1	1	44.4
19413	2	13000	467	1	3260	1	1830	28	4	107	1	1	125.1
19414	1	12260	472	1	2610	1	1560	18	1	83	1	1	88.6
19415	1	13800	413	1	2340	2	1200	26	3	69	1	1	81.6
19416	1	13780	447	1	4540	1	1620	23	2	138	1	1	76.3
19417	1	14310	466	2	1640	3	1920	29	1	48	1	1	77.4
19418	1	14310	513	2	1200	4	1660	25	1	47	1	1	77.0
19419	1	13090	1864	3	140	2	2000	25	1	34	1	1	121.4
19420	11	19370	3320	1	30	6	1310	39	7	13	1	1	88.8
19421	1	12320	2895	1	20	1	1080	24	1	10	1	1	57.3
19422	2	10030	1438	3	10	3	1930	20	1	1	1	1	46.3
19423	1	9610	1601	1	100	7	1300	28	11	2	1	1	92.3
19424	1	10880	1250	2	120	2	1920	25	1	43	1	1	76.1
19425	13	12170	1661	2	30	10	1120	37	23	6	1	1	57.6
19426	33	17590	1958	2	50	5	2000	33	1	36	1	1	86.6
19427	15	14970	1236	1	460	1	1860	29	1	41	1	1	77.0
19428	1	5450	515	1	220	7	3970	12	2	84	1	1	41.5

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

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
19370	57	1	2	1	78	2
19371	54	1	1	1	52	1
19372	53	1	2	2	100	3
19373	50	1	2	2	75	2
19374	49	1	2	2	95	1
19375	47	1	1	1	52	3
19376	46	1	1	1	36	1
19377	1872	1	1	2	31	1
19378	178	1	1	1	56	1
19379	151	1	1	1	39	2
19380	48	1	1	1	52	15
19381	41	1	1	1	27	1
19382	48	1	1	1	45	1
19383	45	1	1	1	52	2
19384	193	1	1	1	50	120
19385	84	1	1	1	47	4
19386	187	1	1	1	69	580
19387	166	1	1	1	62	310
19388	134	1	1	1	55	182
19389	58	1	1	1	61	1
19390	39	1	1	1	47	5
19391	67	1	1	1	80	10
19392	64	1	2	1	80	2
19393	106	1	2	2	89	1
19394	152	1	3	2	74	1
19395	118	1	1	2	73	2
19396	244	1	4	4	14	4
19397	115	1	1	2	46	1
19398	87	1	1	1	125	8
19399	174	1	3	3	26	88
19400	121	1	2	1	33	945
19401	134	1	3	2	38	315
19402	66	1	2	1	31	90
19403	105	1	2	2	45	55
19404	94	1	3	1	41	60
19405	66	1	1	1	260	1
19406	164	1	4	2	99	6
19407	95	1	2	2	59	48
19408	89	1	2	2	49	22
19409	133	1	2	1	59	4
19410	77	1	1	1	48	60
19411	63	1	2	2	69	38
19412	40	1	2	1	82	2
19413	48	1	3	1	46	2
19414	53	1	3	1	47	18
19415	49	1	2	1	61	12
19416	47	1	3	1	38	1
19417	50	1	3	1	70	3
19418	51	1	3	1	74	10
19419	84	1	1	1	42	100
19420	117	1	2	2	52	~~1254~~ 124
19421	74	1	1	1	31	118
19422	63	1	1	1	89	140
19423	81	1	2	2	16	60
19424	56	1	1	1	33	2
19425	78	1	2	1	85	5200
19426	103	1	3	2	69	39
19427	96	1	2	1	66	2
19428	58	1	2	1	75	12

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: V-248 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-187

ATTENTION: T.G.HAWKINS | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:FEB 17, 1988

(PPM)	19 429	19 430	19 431	19 432	19 433	19 434	19 435	19 436	19 437	19 438	19 439
AG	2.7	.9	.8	.9	.5	1.0	.9	2.1	1.5	1.1	1.6
AL	20960	15420	16630	19230	21660	28320	36380	19970	24910	29270	25000
AS	25	12	1	9	11	10	12	13	13	14	3
B	32	14	43	17	24	24	33	16	20	25	23
BA	32	51	44	38	63	17	75	32	62	36	39
BE	1.3	.6	.6	.9	.6	1.0	1.3	1.1	1.1	1.3	.8
BI	4	8	7	10	7	13	11	13	9	8	10
CA	41050	14540	13170	12280	19910	27560	25420	19480	16490	17700	41480
CD	.3	.8	.4	.5	.3	.6	.5	.6	.6	.3	.3
CO	12	7	8	13	9	12	15	15	13	13	8
CU	208	27	16	23	7	4	75	73	149	136	10
FE	43800	18110	19910	25920	20100	30230	39280	35890	34940	38860	22050
K	890	2020	1640	1310	1020	560	1010	770	1380	600	610
LI	14	5	1	3	1	10	5	1	1	6	1
MG	11170	8540	9960	14650	7390	18140	16970	13750	17040	22590	10180
MN	1254	426	529	567	372	530	645	533	604	739	478
MO	1	1	1	1	1	1	1	1	2	1	1
NA	260	1150	910	1150	670	150	3900	1900	2140	580	240
NI	3	1	6	8	1	1	4	1	1	2	2
P	3120	1100	830	1420	680	1670	2150	2330	2400	2110	2140
PB	39	20	16	22	14	14	19	19	22	23	13
SB	1	2	1	3	1	2	3	3	3	2	3
SR	38	27	35	35	54	118	190	70	65	57	83
TH	1	1	1	1	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1	1	1	1	1
V	51.5	37.3	30.4	52.1	40.1	57.8	125.5	112.2	90.1	78.2	74.5
ZN	93	55	48	58	38	54	62	42	56	75	37
GA	1	1	1	1	1	1	1	1	1	1	1
SN	1	1	1	2	1	2	2	2	2	1	1
W	1	1	1	1	1	2	2	1	1	2	1
CR	82	95	98	90	105	86	46	42	54	63	63
AU-PPB	4	12	42	2	1	1	1	2	1	1	2

RECEIVED FEB 2 3 1988

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: MPH CONSULTING
Project: ~~V254~~ V248
Attention: T.G. HAWKINS/V. RYBACK-HARDY

File: 8-208/P1
Date: FEB 23/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
55 458	.78	0.023

Certified by _____

MIN-EN LABORATORIES LTD.

RECEIVED MAR 1 5 1988

COMPANY: MPH CONSULTING | MIN-EN LABS ICP REPORT | ACT:F31 | PAGE 1 OF 3

PROJECT NO: ~~#204~~ V248 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-208

ATTENTION: T.G.HAWKINS/R.HYBACK-HARDY | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:FEB 23, 1988

VALUES IN PPM	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
19 442	2.2	35450	16	41	43	1.0	12	29160	2.2	17	111	29360	1090
19 443	1.9	25410	15	26	36	.7	10	26090	1.6	14	117	22140	830
19 444	3.0	27160	16	33	52	1.0	18	26270	2.7	17	87	27490	1390
19 445	1.8	24700	14	23	58	1.1	17	15800	2.7	17	68	31610	1700
19 446	1.6	15780	6	10	44	.7	16	15410	1.9	25	41	22210	1440
19 447	1.9	14420	2	23	53	.9	8	14540	1.7	17	222	21200	1370
19 448	3.7	16550	8	12	109	.9	1	30190	1.9	33	739	27960	2630
19 449	1.5	22550	14	25	53	1.2	14	15780	.7	15	69	33190	2210
19 450	.5	17670	2	12	36	.5	8	26990	.9	11	16	15680	1390
35 451	1.2	16480	2	11	20	.9	12	21030	.9	18	31	22450	810
35 452	2.1	16130	16	21	20	.9	10	17640	1.9	21	87	23230	960
35 453	4.0	62750	1	73	41	4.7	14	34420	3.0	10	12	151350	100
35 454	2.6	67470	8	74	43	5.0	12	12650	3.3	9	6	169070	50
35 455	2.9	64080	42	89	45	5.1	12	10080	2.9	8	4	169250	350
35 456	1.8	22180	8	58	14	1.4	7	49740	2.7	7	54	39420	190
35 457	2.4	21920	12	76	21	1.5	6	66640	2.7	8	52	46550	360
35 458	15.0	23800	11	25	17	1.5	4	28960	1.7	27	3258	46740	170
35 459	1.9	38600	16	48	25	2.5	9	28970	1.3	10	76	80620	510
35 460	3.3	28500	2	28	20	1.7	14	32360	1.3	24	120	54890	350
35 461	1.1	7230	4	16	7	.6	1	43930	.3	11	215	20600	90

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
19 442	16	13500	486	1	5420	4	1650	36	1	154	1	1	74.9
19 443	12	9730	388	1	2870	5	1680	21	2	73	1	1	59.4
19 444	18	12960	549	1	4650	1	2870	38	4	103	1	1	92.6
19 445	21	21330	491	2	1900	4	1910	25	3	93	1	1	90.2
19 446	7	10240	279	2	1590	1	2290	19	1	47	1	1	24.1
19 447	8	10720	414	2	1270	3	2280	20	2	34	1	1	34.6
19 448	10	10800	644	1	1170	3	2390	21	1	48	1	1	46.0
19 449	13	16360	393	1	2370	1	2540	23	2	59	1	1	83.4
19 450	1	4660	195	1	650	1	1630	10	1	163	1	1	33.4
35 451	12	13770	395	1	1070	7	1870	17	1	53	1	1	71.8
35 452	19	16440	398	1	1100	44	1600	35	1	38	1	1	64.1
35 453	59	30530	3707	1	30	7	1070	83	9	93	1	1	161.1
35 454	57	30850	3835	3	10	17	1100	71	8	94	1	1	172.3
35 455	61	30190	3966	3	30	6	1560	68	6	86	1	1	165.9
35 456	7	10460	1598	1	30	1	2590	30	1	98	1	1	50.8
35 457	9	8900	2343	1	30	5	1640	34	5	11	1	1	51.5
35 458	1	13550	828	1	60	4	3280	34	2	112	1	1	49.1
35 459	25	20330	2031	1	150	1	1370	45	6	97	1	1	107.5
35 460	9	15370	1200	1	180	4	2190	27	5	135	1	1	138.9
35 461	1	6260	886	1	60	1	500	13	2	13	1	1	21.9

(VALUES IN PPM)	ZN	GA	SN	W	CR	AU-PPB
19 442	73	1	1	2	65	2
19 443	79	1	1	1	50	6
19 444	153	1	1	1	63	2
19 445	68	1	1	1	69	4
19 446	43	1	1	1	114	1
19 447	50	1	1	1	60	5
19 448	58	1	1	1	74	3
19 449	58	1	1	1	52	1
19 450	25	1	1	1	128	1
35 451	41	1	1	1	62	1
35 452	65	1	1	1	236	1
35 453	233	2	3	3	264	1
35 454	251	2	3	3	222	2
35 455	248	2	3	3	26	1
35 456	235	1	1	1	62	58
35 457	303	1	1	1	88	220
35 458	164	1	1	1	50	705
35 459	143	1	1	2	30	1
35 460	95	1	1	1	51	1
35 461	30	1	1	1	29	2

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601967 MC

Certificate of ASSAY

Company:MPH CONSULTING
Project:8254
Attention:G.HAWKINS F.MAYES G.LORENZETTI

File:8-323/P1
Date:MAR 19/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU FA/AA	AU DZ/ICP
197125	1.43	0.048

Certified by _____

MIN-EN LABORATORIES LTD.

COMPANY: APEX CONSULTING — ICP REPORT — PAGE 1 OF 1

PROJECT ID: 1254 — 795 WEST 8TH AV., NORTH VANCOUVER, B.C. — FILE NO: 8-737/P1+2

ATTENTION: G.HAWKINS T.HAYES S.LORENZETTI — (604)980-5814 OR (604)988-4524 — * TYPE ROCK SPECIMEN * — DATE: MAR 14, 1988

(VALUES IN PPM)	Mo	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cu	Fe	K
19201	1.8	35750	16	39	322	1.2	3	.8210	1.5	10	42	29250	1120
19202	1.3	28580	15	46	50	1.4	3	46850	1.1	11	74	47570	1320
19203	.9	20890	4	35	57	1.0	2	33630	.8	6	71	29170	1630
19204	.8	20400	7	32	65	.9	4	37690	.8	5	9	38200	2170
19205	.9	24310	8	32	39	1.1	3	32530	.9	6	52	32480	1860
19206	1.0	27350	16	38	36	1.2	4	50890	2.0	10	52	36570	1730
19207	.7	14650	8	24	61	.8	2	30580	1.6	5	19	25340	2570
19208	.8	24270	15	34	44	1.2	2	33570	1.0	7	50	33100	1980
19209	.7	20060	12	24	32	.9	4	28940	.5	5	38	28340	1530
19210	.9	20610	11	27	48	1.0	3	39700	1.1	7	54	32960	1790
19211	.8	4800	7	5	14	.4	2	9790	1.0	2	9	7660	470
19212	.7	18000	11	28	72	1.0	5	31890	1.2	6	15	30580	1760
19213	1.3	12020	5	19	96	.8	3	49960	1.2	4	2	22400	2130
19214	.9	18450	8	29	71	.9	5	34320	1.0	5	1	24110	2520
19215	.9	24140	9	34	55	1.2	2	33330	1.0	7	22	35810	2250
19216	1.3	17650	5	27	54	1.0	1	57770	.2	5	157	29870	1660
19217	1.1	22190	9	32	90	1.0	5	40710	.7	6	17	31840	2250
19218	1.0	19150	10	28	77	.9	5	40580	1.1	5	6	27130	2180
19219	.5	19760	3	30	63	.9	3	29970	.3	5	59	29270	2590
19220	.9	18210	6	27	60	.8	2	41870	1.0	4	3	24920	2230
19221	.9	15700	6	21	56	.8	3	36660	1.5	4	1	22980	2220
19222	.8	17000	10	25	52	.8	2	36280	.7	5	7	25860	2020
19223	.9	16940	9	28	49	.9	2	41390	1.3	5	1	26790	1770
19224	1.0	19980	42	29	78	1.2	2	23270	2.1	6	65	36640	2710
19225	5.5	16690	18	28	78	1.1	1	72270	3.9	5	94	30700	2930
19226	1.4	17050	4	19	42	1.1	4	34980	1.1	6	40	31920	1410
19227	1.0	19450	8	26	49	1.2	2	33630	1.1	8	44	37720	1850
19228	.5	21270	9	28	52	1.3	2	17720	1.4	7	55	40550	1630
19229	1.2	22360	3	39	97	1.4	5	35900	1.9	12	77	40170	4890
19230	.6	28150	2	29	50	1.4	7	27320	1.7	12	35	42560	2330
19231	1.4	21480	13	38	46	1.3	14	38090	1.7	10	36	39220	5100
19232	1.5	30310	1	41	34	1.7	34	28710	2.0	14	52	37110	2630

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
19201	31	17060	1333	1	340	4	1860	25	2	113	1	1	85.4
19202	29	14170	1058	1	760	1	1850	30	2	77	1	1	74.1
19203	14	9900	746	1	840	2	1990	26	1	75	1	1	55.4
19204	12	10930	792	1	870	1	1660	35	2	72	1	1	26.4
19205	15	11610	611	1	770	2	2380	30	2	72	1	1	40.6
19206	22	17910	865	2	630	23	2430	31	2	86	1	1	57.1
19207	10	10590	572	1	750	1	1630	21	1	51	1	1	18.9
19208	23	15400	523	1	970	3	2280	25	1	59	1	1	48.1
19209	19	11590	561	1	740	1	1760	25	1	51	1	1	40.2
19210	23	15170	748	1	900	2	1790	28	1	64	1	1	44.7
19211	4	4010	182	1	190	1	400	10	1	23	1	1	10.4
19212	18	13350	603	1	860	2	2340	21	2	54	1	1	29.4
19213	7	9410	1041	1	560	1	1480	10	1	98	1	1	16.1
19214	12	10480	729	1	770	2	1740	33	1	66	1	1	21.5
19215	20	14860	984	1	710	2	3840	28	2	79	1	1	38.3
19216	11	12660	1168	1	590	1	1650	24	1	102	1	1	23.8
19217	14	13250	807	1	670	3	1750	28	1*	71	1	1	29.8
19218	11	10890	777	1	630	1	1610	21	1	76	1	1	23.7
19219	11	10050	601	1	810	1	1980	19	1	52	1	1	20.8
19220	11	11120	803	1	690	2	1690	21	1	32	1	1	19.8
19221	7	9170	725	1	700	2	1610	18	1	73	1	1	17.7
19222	10	9650	707	1	650	1	1730	21	1	61	1	1	21.4
19223	10	10350	783	1	620	1	1530	22	1	57	1	1	22.2
19224	24	12530	436	1	230	4	1250	38	1	79	1	1	35.4
19225	20	9970	741	1	90	1	1190	125	1	158	1	1	30.2
19226	19	11430	403	1	410	1	3220	27	1	21	1	1	52.7
19227	31	12520	358	1	280	1	1210	27	2	73	1	1	54.5
19228	27	15740	337	1	370	3	1110	25	1	21	1	1	54.1
19229	18	19810	931	1	560	5	2500	27	3	89	1	1	85.6
19230	20	22780	961	1	510	3	2430	31	3	56	2	1	78.9
19231	17	21980	1002	1	700	4	2500	33	3	72	1	1	63.5
19232	28	27180	806	1	480	22	2130	27	3	65	1	1	83.9

(VALUES IN PPM)	ZN	SR	CU	MO	PB	MN-PPT
19201	74		1	1	30	19
19202	93	1	2	1	48	16
19203	64	1	2	1	37	7
19204	61	1	1	1	25	13
19205	56	1	2	1	5	11
19206	72	1	2	1	93	2
19207	49	1	1	1	38	164
19208	59	1	2	1	13	3
19209	47	1	1	1	10	9
19210	52	1	2	1	15	2
19211	15	1	1	1	7	5
19212	66	1	2	1	19	3
19213	41	1	1	1	27	220
19214	60	1	1	1	23	7
19215	103	1	2	1	2	29
19216	64	1	1	1	27	79
19217	64	1	1	1	33	3
19218	57	1	1	1	26	4
19219	57	1	1	1	29	43
19220	31	1	1	1	32	3
19221	47	1	1	1	42	156
19222	49	1	1	1	27	213
19223	46	1	1	1	40	9
19224	65	1	1	1	14	36
19225	285	1	1	1	16	1500
19226	85	1	1	1	27	4
19227	75	1	1	1	28	3
19228	81	1	2	1	19	9
19229	74	1	2	1	59	2
19230	82	1	2	1	50	11
19231	83	1	1	1	34	5
19232	95	1	3	1	96	3

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Analytical Report

Company:MPH CONSULTING
Project:V105
Attention:T.HAYES/G.HAWKINS

File:8-324
Date:MAR 19/88
Type:ROCK GEOCHEM

Date Samples Received :MAR 16/88
Samples Submitted by :T.HAYES/G.HAWKINS

Report on .....2 ROCKS..... Geochem Samples
..... Assay Samples
.....

Copies sent to:
1. MPH CONSULTING, VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh ..... Ground to mesh .....-150.....

Prepared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

AU-FIRE ASSAY
AU-FIRE GEOCHEM
31 ELEMENT TRACE ICP

Remarks

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of ASSAY

Company:MPH CONSULTING
Project:V105 V248
Attention:T.HAYES/G.HAWKINS

File:8-324/P1
Date:MAR 19/88
Type:ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
TRENCH 2	.69	0.020

Certified by [signature]

MIN-EN LABORATORIES LTD.

RECEIVED MAR 2 5 1988

COMPANY: MPH CONSULTING — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 1

PROJECT NO: V185 V248 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-324

ATTENTION: T.HAYES/B.HAWKINS — (604)980-5814 OR (604)988-4524 — * TYPE ROCK GEOCHEM * — DATE:MAR 19, 1988

(PPM)	88 H-8	TRENCH # 2
AG	2.7	1.8
AL	37980	33630
AS	36	30
B	55	150
BA	75	31
BE	2.7	1.8
BI	23	16
CA	62280	39030
CD	4.4	3.2
CO	27	9
CU	190	145
FE	82830	55580
K	530	540
LI	15	97
MG	34070	11130
MN	1123	738
MO	3	3
NA	1900	720
NI	28	2
P	1980	1380
PB	71	40
SB	2	1
SR	102	237
TH	1	1
U	1	1
V	261.9	131.6
ZN	111	233
GA	1	1
SN	2	1
W	2	2
CR	86	131
AU-PPB	3	412

RECEIVED MAR 2 5 1988

APPENDIX IV

DRILL LOGS

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 60.96
Dip : -45°
Azimuth : 310°
Core Size: BQ
Casing: 7.62m

Grid : MAIN
Latitude : 388N
Departure : 140W
Collar Elev: 100m
Remarks :

Drilled : JAN. 10/88
Contractor : ROGER'S DRILLING
Logged by : V RYBACK-HARDY
Date Logged: JAN. 10/88

Objective: TO INTERSECT IP ANOMALY AT <400N 1 + 62W

Hole No: 88-1
Hole Survey Type: ACID

Depth	Dip	Azi
60.96m	-41°	-

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-5.85	OVERBURDEN 6.10m											
5.85 - 7.77	Broken Core 5.85-6.28 Skarn pieces 7.26 Piece 3cm diorite. Porphyritic andesite.	Skarn	Broken core. Massive mag. @ 5.85	19251	5.85	6.28	0.43		3	2.3	16	29
7.77 - 8.53	Porphyritic andesite.		Highly fractured core - 9.45.									
8.53 - 10.06	Porphyritic andesite.	Seamlets of epidote alteration (weak).										
10.06 - 11.28	Porphyritic andesite.	Epidote. biotite.	Banding @ 10.57 m	19252	10.00	11.00	1.00		6	2.1	56	18
11.28 - 14.33	Porphyritic andesite - white phenocrysts are sub-rounded 2-3mm diam.	14.33 Epidote										
14.33 - 17.37	Porphyritic andesite.	2cm epidote flanking vein.	15.09m Fracture. 15.55m 1cm qtz vein with epidote 30° to core. 16.39m 2cm qtz vein 65° to core.	19253	15.00	17.00	2.00		5	2.2	8	13
	Breccia @ 17.37 m.	16.72 1cm chlorite vein 30° to core.	No visible sulphides									

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: Jan. 20/88 Hole No: 88-1 Page 2 of 3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au oz/t ppb	Ag oz/t ppm	Cu % ppm	Zn % ppm
17.37 - 20.42	Breccia to 18.84 Porphyritic andesite.	Quartz, biotite, epidote; beige felsic alteration?		19254	17.37	18.84	1.47		13	1.4	7	3
20.42 - 23.47	Porphyritic andesite and alternating layers ± 20cm thick of andesite tuff.		Minor fracturing.									
23.47 - 26.52	Alternating bands of porphyritic andesite and tuff.	26.04 8cm quartz epidote band.										
26.52 - 29.57	Fine grained dark grey andesite mottled porphyry locally.	Carbonate vein at 29.52 m.	Solid core. Vein 55° to core.	19255	29.52	31.03	1.51		4	1.0	71	17
29.57 - 32.61	Fine grained grey-greenish grey andesite to 31.03. Then epidote altered breccia from 31.03 to 33.93.	Carbonate vein 1mm-2mm at 30.92 Pervasive epidote alteration from 31.03 to 33.93.	Vein 45° to core.	19255 19256	29.52 31.03	31.03 33.93	1.51 2.93		4 6	1.0 1.5	71 49	17 8
32.61 - 35.66	Grey to greenish grey andesite.	Patches of biotite (streaky laminations) Streaks of chlorite.	Solid core. Laminae 40° to core. Minor carbonate veins ± 70° to core.									
35.66 - 38.71	Grey to greenish grey andesite.	Weak epidote. Carbonate vein 5mm at 36.00m. Qtz-carb-epidote also black lustrous mineral (biotite?) Epidote @ 41.57.	Qtz-carbonate vein @ 39.04 with tr py 3cm wide irregular walls. Epidote 35° to core. 39.16m 2nd vein.	19304	35.66	36.11	0.45		3	1.2	17	18

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 20/88 Hole No: 88-1 Page 3 of 3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
38.71 - 41.76	Green to greenish grey andesite.	Weak epidote at 41.81.		19305	38.96	39.35	0.38		1	1.0	5	4
41.76 - 44.81	Andesite 42.60 Porphyritic mottled andesite.	Epidote in quartz seam.	Qtz-carbonate seam at 43.36. 5cm wide @ 45° to core (epidote)	19265	43.16	43.87	0.71		2	1.6	28	13
			chlorite biotite py vein @ 44.25 5mm wide @ 25° to core.	19266	43.87	44.51	0.64		17	2.0	136	34
44.81 - 47.85	Mottled andesite porphyry.	Carbonate vein 46.05.	49.96-47.01 5cm vein with biotite & py. quartz, epidote Py 47.11	19267	46.75	47.35	0.60		3	0.9	20	9
47.85 - 50.90	Grey andesite alternating from lithic tuff to mottled porphyry.		Biotite-epidote vein 70° to core @ 49.91.									
50.90 - 53.95	As above with decreasing porphyry, increasing andesite tuff.	Chlorite	Biotite-py seam at 52.70m - 50% py 45° to core. Cpy. 3cm biotite seam at 54.43, 50° to core. Solid core.	19260	52.51	53.03	0.52		33	3.8	899	52
53.95 - 57.00	Grey green slightly porphyritic andesite.											
57.00 - 60.05	58.24 Top contact between andesite and porphyry medium grained porphyry to 59.75.	58.24-58.52 - Chlorite epidote zone.		19261	58.24	59.75	1.51		2	1.1	14	12
60.05 - 60.96	Porphyritic andesite.											
60.96	END OF HOLE		Cpy denotes chalcopyrite.									

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 63.40
Dip : -60°
Azimuth : 310°
Core Size: BQ
Casing: 7.62m

Grid : MAIN
Latitude : 388N
Departure : 140W
Collar Elev: 100m
Remarks :

Drilled : JAN. 21/88
Contractor : ROGERS DRILLING
Logged by : V. RYBACK-HARDY
Date Logged: JAN. 21/88

Objective: TO INTERSECT IP ANOMALY AT L400N, 1+50W - 1+75W

Hole No: 88-2
Hole Survey Type: ACID

Depth	Dip	Azi
80.96	-60°	

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-7.62	Broken core - overburden to 7.6m											
7.62 - 9.14	Porphyritic andesite.		Broken core.									
9.14 - 11.58	Andesite porphyry.											
11.58 - 14.63	12.49m Veined "marbled" andesite porphyry			19262	12.49	13.49	1.00		4	1.3	16	1
14.63 - 17.68	Alternating bands of andesite porphyry and fine grained andesite tuff(?)	Weak epidote.	Competent core.									
17.68 - 20.73	Porphyritic andesite.	Weak carbonate veining.	18.34-18.47 Epidote seam 30° to core.	19263	18.29	18.57	0.28		4	1.0	8	5
20.73 - 23.77	Porphyritic andesite.											
23.77 - 26.82	26.11-26.82 Fine grained andesite dyke. 26.82 Porphyritic andesite.	Epidote alteration at top and bottom contacts (weak alteration)		19322	24.00	26.00	2.00		2	1.0	7	2
26.82 - 29.87	Porphyritic andesite dark grey to greenish grey, with white subrounded phenocrysts to 2mm dia.		Carbonate veinlets 2-4mm wide 70° to 90° to core @34.23									
32.92 - 35.97	Porphyritic andesite.											

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 21/88 Hole No: 88-2 Page 2 of 2

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
35.97 - 39.01	Porphyritic andesite.			19258	35.66	36.11	0.45		3	1.1	10	13
				19259	38.96	39.35	0.38		7	1.2	232	2
39.01 - 42.06	Coarser grained porphyritic andesite.		Seam of pyrite 3mm wide subparallel to core @ 41.93m.	19264	41.81	42.06	0.25		3	1.3	6	10
42.06 - 45.11	Porphyritic andesite.	Epidote-biotite seam at 45.11m.	Moderately well fractured.									
45.11 - 48.16	Porphyritic andesite.	Epidote at 46.35 - 46.38.										
48.16 - 51.21	Porphyritic andesite.											
				19324	52.00	54.00	2.00		2	1.7	69	1
51.21 - 54.25	Porphyritic andesite.											
54.25 - 57.30	Porphyritic andesite. 58.53 Dark grey fine grained andesite tuff(?).											
57.30 - 60.35	60.35 Porphyritic andesite.	59.69-60.35 Epidote alteration										
60.35 - 63.40	Porphyritic andesite.			19325	60.80	62.00	1.20		2	1.5	50	12
				19326	62.00	63.90	1.90		1	1.8	50	9
	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED | Length(m): 142.64 | Grid : MAIN | Drilled : JAN. 22/88 | Objective: PENETRATE BENEATH HIGH GOLD ARSENIC GEOCHEM OF L400N, 1+00 AND 75W. | Hole No: 88-3

Project: CONTACT AU | Dip : -61° | Latitude : 388N | Contractor ROGERS DRILLING | Hole Survey Type: ACID

Proj.No: V248 | Azimuth : 130° | Departure : 140W | Logged by V RYBACK-HARDING

Client: PARALLAX DEVELOPMENT CORPORATION | Core Size: BQ | Collar Elev: 100.0m | Date Logged: JAN. 23/88

Casing: 5.49m | Remarks :

Depth	Dip	Azi
142.69	-60°	

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-5.49	OVERBURDEN		Broken core.									
5.49-7.01	Porphyritic andesite.											
7.01-14.63	Porphyritic andesite.			19268	9.90	10.87	0.97		2	1.8	28	11
14.63 - 17.68	Porphyritic andesite. Quartz veins (3) @ 17.17, 17.35, 17.78.											
17.68 - 20.73	Porphyritic andesite.		Sulphides (pyrite) at 17.40, 17.78, 19.37.	19269	17.12	18.19	1.07		2	2.0	1	14
				19270	18.19	19.96	0.77		1	1.7	1	9
				19271	18.96	20.12	1.16		3	2.2	5	4
20.73 - 23.77	Porphyritic andesite.											
23.77 - 26.82	Porphyritic andesite.		26.90 Qtz vein with epidote envelope.									
26.82 - 29.87	Grading to quartz porphyry.			19278	26.43	27.24	0.81		2	1.6	1	14
27.46 - 28.60	Andesite.											
28.60 - 34.83	Porphyritic andesite.			19281	33.35	34.38	1.03		4	1.8	1	7
34.83 - 35.97	Andesite.											
35.97 - 39.01	Porphyritic andesite.											

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 24/88 Hole No: 88-3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
39.01 - 42.06	Grading to diorite.			19282	40.00	42.00	2.00		2	1.7	1	5
				19279	42.00	43.00	1.00		5	2.8	108	12
42.06 - 69.50	Quartz biotite porphyry with finely disseminated pyrite, with occasional stringers of pyrite and occasional cpy. Best mineralized section appears to be 57.0m to 60m. The rock has a characteristic mauve hue and contains numerous quartz clasts or "eyes" (subrounded). Porphyritic between 60.5 and 62.0 Becoming altered andesite breccia (footwall?) to 69.5m. Pyrite content gradually decreases	Quartz, biotite, minor epidote, chlorite	1-2% diss. py and as stringers in silicified fracture fillings.	19280	43.00	45.00	2.00		3	2.0	113	7
				19272	45.00	47.00	2.00		6	1.1	252	16
				19273	47.00	49.00	2.00		4	1.0	20	13
				19274	49.00	51.00	2.00		3	1.1	122	19
				19275	51.00	53.00	2.00		3	0.9	17	17
				19276	53.00	55.00	2.00		2	0.7	23	19
				19277	55.00	57.00	2.00		5	0.6	38	15
				19283	57.00	59.00	2.00		3	2.1	23	6
				19289	59.00	61.00	2.00		2	1.9	23	9
				19285	61.00	63.00	2.00		3	2.0	28	14
				19286	63.00	65.00	2.00		3	1.8	24	3
				19287	65.00	67.00	2.00		2	1.8	18	10
				19288	67.00	69.50	2.50		1	1.7	38	3
69.50 - 81.00	Andesite and andesite breccia with lenses of porphyritic andesite (diorite?).	1.5cm carbonate seam @ 74.0m	Sparse diss. pyrite Stringer veins of pyrite.	19289	69.50	72.00	2.50		2	1.8	58	11
				19257	72.00	74.00	2.00		3	2.3	48	19
				19290	74.00	76.00	2.00		2	1.9	46	19
				19291	76.00	78.00	2.00		3	1.6	5	2
				19292	78.00	80.00	2.00		1	1.6	1	8
				19293	80.00	82.00	2.00		4	2.7	30	16
81.00 - 91.35	Mainly diorite with narrow sections of andesite.		Sparse diss. pyrite	19294	82.00	84.00	2.00		10	2.1	18	8
				19295	87.00	89.00	2.00		6	2.2	34	14
91.35 - 92.30	Dark grey andesite.											
92.30 - 134.00	Diorite? with narrow bands of finer grained mafic rich phase. Very similar to porphyritic andesite described in DDH-88-1 and DDH-88-2	Weak epidote along fractures.	<1% finely diss. pyrite.	19296	92.40	94.00	1.60		3	1.6	29	5
				19297	96.00	98.00	2.00		4	1.6	59	4
				19298	98.00	100.00	2.00		2	1.8	49	7
				19299	103.00	105.00	2.00		5	2.2	1	46
				19300	109.00	111.00	2.00		2	1.5	24	14
				19301	116.00	118.00	2.00		1	1.4	69	1
				19302	124.00	126.00	2.00		1	1.5	22	13
				19303	128.00	130.00	2.00		2	1.2	32	14

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 25/88 Hole No: 88-3 Page 3 of 3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
134.00 - 134.50	Band of andesite.		Sparse diss. pyrite.	19306	134.00	136.00	2.0		1	1.6	22	4
134.50 - 139.50	Diorite.	Epidote lined fractures.		19307	136.00	138.00	2.0		5	1.4	67	6
				19308	138.00	140.50	2.5		1	2.0	5	10
139.50 - 142.50	Increase in epidote along fractures. Diorite.			19309	140.50	142.50	2.0		1	1.7	46	12
142.50	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED | Length(m): 95.70 | Grid : McNEIL | Drilled : JAN. 27/88 | Objective: INTERSECT | Hole No: 88-4
Project: CONTACT AU | Dip : -45° | Latitude : 4+00N | Contractor : ROGERS DRILLING | IP ANOMALY | Hole Survey Type: ACID
Proj.No: V248 | Azimuth : 270° | Departure : 0+75E | Logged by : V. RYBACK-HARDY | Depth 95.61 | Dip -43° | Azi
Client: PARALLAX DEVELOPMENT CORPORATION | Core Size: BQ | Collar Elev: 45m | Date Logged: JAN. 28/88
Casing: 10.06m | Remarks :

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au oz/t ppb	Ag oz/t ppm	Cu % ppm	Zn % ppm
0-8.53	OVERBURDEN											
8.53-8.70	Andesite.											
8.70 - 10.85	Massive magnetite with disseminations and stringers of pyrrhotite and pyrite, sparse cpy.	Magnetite skarn.	Magnetite pyr, py.	19310	8.70	10.85	2.15		45	0.5	34	99
10.85 - 23.55	Epidote quartz-filled breccia with veinlets of pyrite pyrrhotite, local cpy and rare grey sulphide. In some places the quartz patches have a slight purple tinge 14.3-14.6 Andesite dyke. 15.0-17.5 Andesite dykes. 17.6 10cm feldspar porphyry. 20.7-21.0 Porphyry.	Quartz epidote.	Stringers of py. Lineations 50° to core.	19311	10.85	12.85	2.00		25	1.4	112	81
				19312	12.85	14.85	2.00		91	1.3	21	212
				19313	14.85	16.85	2.00		6	1.3	33	110
				19314	16.85	18.85	2.00		3	1.2	15	35
				19315	18.85	21.00	2.15		2	1.2	70	272
				19316	21.00	23.55	2.55		3	1.0	28	84
23.55 - 25.00	Feldspar porphyry			19317	23.55	25.00	1.45		2	1.2	37	176
25.00 - 25.85	Andesite			19318	25.00	25.85	0.85		1	1.3	46	69
25.85 - 27.40	Feldspar porphyry.			19319	25.85	27.40	1.55		2	1.4	32	45
27.40 - 30.10	Quartz epidote filled breccia.	Quartz epidote chlorite. Purple mineral (amethyst or hematitic qtz or fluorite?).	Sparse stringers of py and pyrrhotite.	19320	27.40	29.40	2.00		3	1.6	109	48
				19321	29.40	30.30	0.90		4	1.7	195	66

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 29/88 Hole No: 88-4 Page 2 of 3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au oz/t ppb	Ag oz/t ppm	Cu % ppm	Zn % ppm
30.10 - 30.50	Feldspar porphyry (Diorite).											
30.50 - 31.30	Andesite.											
31.30	Feldspar porphyry (31.70-31.97 -			19327	31.30	33.30	2.00		1	1.8	70	19
34.40	andesite dyke) (Diorite).			19328	34.40	35.85	1.45		1	1.4	43	11
34.40 - 35.85	Andesite - lower portion veined with quartz and epidote.											
35.85 - 59.60	Feldspar porphyry - occasional blebs of pyrite.	Epidote.	45.0-45.8 Broken core. Fault?	19329	35.85	37.85	2.00		1	1.7	113	18
				19330	39.00	41.00	2.00		2	1.7	79	12
				19331	45.00	47.00	2.00		45	1.4	31	15
	Andesite dykes 41.15-41.28, 41.45-41.60			19332	51.00	53.00	2.00		2	1.5	43	4
				19333	56.00	58.00	2.00		1	1.8	66	1
59.60 - 61.04	Andesite porphyry - dark grey mafic rich											
61.04 - 62.54	Feldspar porphyry.											
62.54 - 63.61	Andesite.											
63.61 - 70.81	Andesite porphyry.			19334	63.61	65.61	2.00		2	3.5	79	7
				19335	68.00	70.00	2.00		1	1.3	87	30
70.81 - 71.94	Andesite.											
71.94 - 72.28	Feldspar porphyry (Diorite).											
72.28 - 72.90	Andesite.											
72.90 - 80.02	Feldspar porphyry (Diorite).			19336	75.00	77.00	2.00		1	1.5	38	13
80.02 - 87.28	Andesite to andesite porphyry.	Epidote @ 85.0m.		19337	81.00	83.00	2.00		3	1.7	118	11
87.28 - 88.40	Feldspar porphyry (Diorite).			19338	87.10	89.10	2.00		1	1.6	308	8

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 29/88 Hole No: 88-4 Page 3 of 3

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au oz/t ppb	Ag oz/t ppm	Cu % ppm	Zn % ppm
88.40 - 91.74	Andesite.	Skarn @ 90.74-91.74										
91.74 - 95.61	Feldspar porphyry - and dyke @ 93.69-94.09			19339	93.60	95.60	2.00		3	1.6	37	3
95.61	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 69.73
Dip : -75°
Azimuth : 270°
Core Size: BQ
Casing: 9.14m

Grid : McNEIL
Latitude : 4+00N
Departure : 0+75E
Collar Elev: 45m
Remarks :

Drilled : JAN. 29/88
Contractor : ROGERS DRILLING
Logged by : V. RYBACK-HARDY
Date Logged: JAN. 29/88

Objective: INTERSECT IP ANOMALY & MINERALIZATION ENCOUNTERED IN 88-4

Hole No: 88-5
Hole Survey Type: NO TEST

Depth	Dip	Azi

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-6.31	OVERBURDEN, NO CORE								3			
6.31-8.83	Altered andesite.	Epidote.		19340	6.44	8.83	2.39		2	2.1	41	2
8.83 - 10.20	Massive magnetite.		Poor recovery (18%).	19341	8.83	10.20	1.37		78	1.1	51	6
10.20 - 15.60	Quartz-epidote-altered breccia.	Quartz-epidote.	Sparse streaks of pyrite and pyrrhotite.	19342	10.20	12.20	2.00		6	1.1	64	159
				19343	12.20	14.20	2.00		725	1.9	83	1728
15.60 - 17.20	Highly altered porphyry.	'Amethyst'(?)		19344	14.20	15.60	1.40		12	0.9	8	71
				19345	15.60	17.20	1.60		7	0.8	28	108
17.20 - 28.75	Quartz epidote altered breccia. Highly fractured core 27.10-28.75		Grey sulphide? Poor recovery 10.05-11.87 77% 12.18-14.92 68%	19346	17.20	19.20	2.00		8	1.9	99	374
				19347	19.20	21.20	2.00		46	1.7	76	396
				19348	21.20	23.20	2.00		13	1.5	29	83
				19349	23.20	25.20	2.00		4	1.7	33	18
				19350	25.20	27.20	2.00		3	1.6	63	23
				19351	27.20	28.75	1.55		27	1.3	55	25
28.75 - 29.95	Feldspar Porphyry.											
				19352	28.75	30.75	2.00		8	1.5	45	16
29.95 - 30.10	Andesite.											
30.10 - 32.84	Feldspar porphyry.											
32.84 - 37.53	Andesite 37.0m - 4cm quartz vein.	Heavily veined with epidote.		19353	33.30	35.40	2.10		9	1.7	10	20
				19354	36.75	37.25	0.50		20	1.7	16	20
37.53 - 40.24	Feldspar porphyry (Diorite).											
40.24 - 42.62	Andesite. Porphyritic between 40.79-41.85.	Epidote.	Sparse py 42.10.	19355	40.80	41.80	1.00		2	1.1	61	6
42.62 - 51.95	Feldspar porphyry.			19356	46.00	48.00	2.00		4	1.3	52	5
51.95 - 57.97	Andesite, locally porphyritic.			19357	54.00	56.00	2.00		7	1.0	123	17

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: JAN. 30/88 Hole No: 88-5 Page 2 of 2

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
57.97 - 60.00	Feldspar porphyry.											
60.00 - 61.10	Andesite.	Weak epidote veining.										
61.10 - 64.95	Feldspar porphyry.			19358	61.50	63.50	2.00		3	1.3	62	5
64.95 - 65.76	Andesite.											
65.76 - 67.00	Feldspar porphyry.											
67.00 - 69.73	Andesite.		66.68-68.51 87% recovery	19359	67.70	69.70	2.00		3	1.0	118	14
69.73	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 142.95
Dip : -60
Azimuth : 126°
Core Size: BQ
Casing: 10.06m

Grid : MAIN
Latitude : 473N
Departure : 139W
Collar Elev: 75m
Remarks :

Drilled : FEB. 1/88
Contractor : ROGERS DRILLING
Logged by : V. RYBACK-HARDY
Date Logged: FEB. 2/88

Objective: TO PENETRATE UNDER MAIN SHOWINGS

Hole No: 88-6
Hole Survey Type: ACID

Depth	Dip	Azi
142.95 m	-57°	

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-3.35	OVERBURDEN, NO CORE		Broken									
3.35 - 5.12	Highly altered quartz epidote filled breccia. Heavy pyrite at 4.0m.	Epidote quartz.	Broken core. Poor recovery 3.96-6.09 73% 6.09-7.61 - 72%	19360	3.35	5.12	1.77		159	2.1	52	13
5.12 - 7.05	Massive magnetite skarn with blebs of pyrite patches of epidote.		Magnetite (90%) pyrite (2%).	19361	5.12	7.05	1.93		975 oz/ton	6.7 g/t Au	1279	24
				19368	Fire Assay				0.035	1.19		
7.05 - 20.25	Highly altered andesite?	Epidote clay.	Broken core. Pebbly core from 9.13-20.25 9.13-17.05 34% recovery. Fault gouge.	19362	7.05	9.05	2.00		79	1.5	30	5
				19363	9.05	11.05	2.00		52	1.7	39	9
				19364	11.05	17.05	6.00		174	2.6	613	3
				19365	17.05	19.05	2.00		14	1.7	111	1
				19366	19.05	20.25	1.20		3	1.8	166	20
20.25 - 22.40	Porphyritic andesite.											
22.40 - 24.00	Andesite.											
24.00 - 25.30	Porphyritic andesite.											
25.30 - 26.00	Altered and bleached silicified zone.			19367	25.30	26.00	0.70		2	1.3	44	18
26.00 - 31.42	Porphyritic andesite. 26.8 2-3cm quartz carbonate vein with sparse specks of pyrite.	Fault gouge at 26.8m.										
31.42 - 32.00	Bleached altered zone.	Epidote.		19368	31.42	32.00	0.58		6	1.0	7	16

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: Feb. 2/88 Hole No: 88-6 Page 2 of 2

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
32.00 - 52.16	Porphyritic andesite. Pyrite along fractures 38.3. Grading to diorite with 30-60% hornblende in euhedral crystals and some lath shaped crystals. Sparse scattered disseminated pyrite.			19369	36.00	38.00	2.00		9	1.7	15	3
				19370	45.00	48.00	3.00		2	2.5	38	5
52.16 - 52.30	Fault breccia zone with quartz.			19371	52.00	52.50	0.50		1	2.2	14	14
52.30 - 63.70	Quartz epidote breccia. Sparse disseminated pyrite. Rare specks of chalcopyrite.	Quartz epidote.	Pyrite, rare chalcopyrite.	19372	57.00	59.00	2.00		3	1.6	4	5
				19373	59.00	61.00	2.00		2	1.9	66	3
				19374	61.00	63.00	2.00		1	1.2	7	5
63.70 - 73.90	Diorite with numerous thin lenses of andesite.	Epidote filled fractures.	Sparse pyrite and rare cpy (65.65).	19375	63.00	65.00	2.00		3	1.5	29	14
				19376	65.00	67.00	2.00		1	1.5	77	3
73.90 - 77.86	Mainly andesite with lenses of diorite up to 5cm thick contact zone 0.5m thick of quartz epidote filled breccia.	Quartz epidote.										
77.86 - 82.20	Diorite.											
82.20 - 83.80	Microdiorite (fine grained diorite).											
82.80 - 107.70	Diorite. Andesite dyke 98.3-98.9 contacts 30° to core.		Fault gouge with sparse diss. py.	19377	82.80	84.20	1.40		1	4.1	514	8
				19378	93.00	95.00	2.00		1	1.3	94	5
107.70 - 109.90	Strong epidote veining breccia.	Epidote.		19379	107.70	109.90	2.00		2	1.2	15	6
109.90 - 121.45	Diorite with differing phases of grain size scattered diss. cpy 114-118.	Epidote.	Sparse scattered cpy.	19380	117.00	119.90	2.00		15	2.0	166	2
121.45 - 121.72	Breccia zone.	Quartz.		19381	121.45	121.72	0.27		1	1.8	53	14
121.72 - 142.95	Diorite.		cpy @ 129.1-136.8	19382	128.00	130.00	2.00		1	1.8	186	4
				19383	136.00	138.00	2.00		2	1.4	116	3
142.95	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 24.07
Dip : -45°
Azimuth : 126°
Core Size: BQ
Casing: 10.36

Grid : MAIN
Latitude : 473N
Departure : 139W
Collar Elev: 75 m
Remarks : Lost hole at 24 m. Casing would not turn. Casing left in hole.

Drilled : FEB. 4/88
Contractor : ROGERS DRILLING
Logged by : V. RYBACK-HARDY
Date Logged: FEB. 5/88

Objective: PENETRATE UNDER MAIN SHOWINGS

Hole No: 88-7
Hole Survey Type:

Depth	Dip	Azi

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-4.50	CASING											
4.50 - 14.08	Epidote quartz breccia, pistachio green.	Epidote	Irregular concentrations of pyrite. Badly broken core.	19384	8.53	10.06	1.53		120	1.2	28	14
				19385	10.06	11.58	1.52		4	2.5	59	8
				19386	11.58	14.02	2.44		580	3.5	267	19
									oz/ton	g/t	Au	
				19386	Fire Assay				0.018	0.60		
14.02 - 14.94	Broken core (pebbles) 17% core recovery. Fault zone?		Poor recovery (17%).	35456	14.02	14.94	0.92		58	1.8	54	8
14.94 - 17.78	Breccia, weakly silicified.		Minor sparse veinlets of pyrite.	19387	14.94	16.94	2.00		310	2.6	115	14
									oz/ton	g/t	Au	
				19387	Fire Assay				0.011	0.39		
				35457	16.94	17.78	0.84		220	2.4	52	12
17.78 - 24.08	Epidote breccia.			19388	17.78	19.20	1.42		182	5.2	1028	10
				35458	19.20	21.03	1.83		705	15.0	3258	11
									oz/ton	g/t	Au	
				35458	Fire Assay				0.023	0.78		
				19389	21.03	22.56	1.53		1	1.4	53	7
				19390	22.56	24.08	1.52		5	1.1	4	10
24.08	END OF HOLE											

Co: MPH CONSULTING LIMITED | Length(m): 103.63 | Grid : McNEIL | Drilled : FEB. 7/88 | Objective: PENETRATE | Hole No: 88-8

Project: CONTACT AU | Dip : -50° | Latitude : 3+07N | Contractor : ROGERS | IP ANOMALY | Hole Survey Type:

Proj.No: V248 | Azimuth : 270° | Departure : 1+35E | Logged by : V. RYBACK-HARDY | Depth 103.63 | Dip -47° | Azi

Client: PARALLAX DEVELOPMENT CORPORATION | Core Size: BQ | Collar Elev: 60.00 | Date Logged: FEB. 7/88

Casing: 2.44 | Remarks :

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-1.10	OVERBURDEN/NO CORE											
1.10-2.26	Andesite.	Weak epidote alteration.										
2.26 - 20.42	Andesite well fractured with epidote filling calcite vein 8.40 cpy @ 9.3m. Quartz calcite epidote vein at 18.4m irregular. 3cm quartz vein @ 18.6m 90° to core.			19391	3.66	5.49	1.83		10	1.5	33	7
				19392	8.00	10.00	2.00		2	2.5	122	11
				19393	15.05	17.05	2.00		1	2.0	33	9
				19394	18.40	19.63	1.23		1	2.1	4	6
20.42 - 21.30	Irregular quartz veining.		Pyrite. Broken core 21.30-21.90.	19395	20.42	21.30	0.88		7	1.7	4	9
21.30 - 24.60	Andesite porphyry and andesite.											
24.60 - 28.88	Coarse fragmental pyrite with intermittent calcite veins and siliceous zones. (25.0-25.6 andesitedyke) 27.13-28.13 Siliceous zone with calcite veins sampled separately.	Calcite veins, siliceous zones.	Pyrite, arsenopyrite (30%-50% pyrite).	19401	24.60	25.00	0.40		315	3.4	124	157
				19396	25.00	25.60	0.60		4	0.8	4	2
				19397	25.60	27.13	1.53		1	2.7	133	234
				19398	27.13	28.13	1.00		8	1.1	6	24
				19399	28.13	28.88	0.75		88	1.8	58	52
28.88 - 29.61	Massive magnetite, pyrite. Irregular calcite veining.		Magnetite pyrite-pyrrhotite.	19400	28.88	29.61	0.73		945	7.0	1022	428
29.61 - 34.36	Epidotized andesite; veinlets of pyrite with visible aspy. 2cm calcite vein at 40°	Epidote.	Disseminated pyrite aspy banding 33.1 @ 30°	19402	29.61	31.45	1.84		90	2.1	34	1474
				19403	31.45	33.45	2.00		55	1.3	5	891
				19404	33.45	34.46	0.91		60	2.0	5	195

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: FEB. 9/88 Hole No: 88-8

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
34.36 - 41.00	Feldspar porphyry. 10cm quartz vein at 35.36 @ 40° to core. Quartz vein at 38.0 m (10 cm), 30° to core.	Epidote.		19405	34.36	35.97	1.61		1	0.5	5	22
				19406	36.35	36.45	0.10		6	0.9	5	5
				19407	38.00	38.10	0.10		48	1.1	5	22
41.00 - 48.22	Highly altered andesite.	Epidote clay.	Broken core fault gouge.	19408	41.00	43.00	2.00		22	1.0	5	21
				19409	43.00	45.00	2.00		4	1.3	32	165
				19410	45.00	47.00	2.00		60	1.0	5	2
				19411	47.00	48.22	1.22		38	2.5	45	1
48.22 - 59.75	Andesite, porphyritic locally 8cm quartz vein 50.80.			19412	50.80	50.90	0.10		2	0.4	5	10
59.75 - 68.13	Feldspar porphyry (diorite).			19413	54.50	56.50	2.00		2	1.1	168	2
68.15 - 69.00	Fine grained andesite.			19414	64.00	66.00	2.00		18	1.0	49	14
69.00 - 72.42	Feldspar porphyry (diorite).											
72.42 - 88.80	Andesite porphyry to andesite with scattered zones of epidote veining. Heavy epidote.	Weak epidote veining. Broken core at 8.3m.		19415	73.00	75.00	2.00		12	1.1	34	1
				19416	85.00	87.00	2.00		1	0.8	57	14
88.80 - 103.63	Feldspar porphyry dyke. 97.05-97.28 Andesite dyke. 94.46-94.62 Andesite porphyry.		84.73-85.34 75%	19417	92.00	94.00	2.00		3	1.0	55	2
				19418	101.60	103.60	2.00		10	1.2	51	6
103.63	END OF HOLE											
									oz/ton	g/t	Au	
				19400	Fire Assay				0.034	1.18		
				19401	Fire Assay				0.011	0.39		

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED | Length(m): 97.84 | Grid : McNEIL | Drilled : FEB. 10/88 | Objective: INTERSECT | Hole No: 88-9
Project: CONTACT AU | Dip : -67° | Latitude : 3+07N | Contractor : ROGERS DRILLING | MINERALIZATION | Hole Survey Type: ACID
Proj.No: V248 | Azimuth : 270 | Departure : 1+35E | Logged by : V. RYBACK-HARDY | FOUND IN DDH 88-8 | Depth | Dip | Azi
Client: PARALLAX DEVELOPMENT CORPORATION | Core Size: BQ | Collar Elev: 60.00 | Date Logged: FEB. 11/88 | 97.84 m | -66° |
Casing: 2.44 | Remarks :

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-1.52	OVERBURDEN											
1.52 - 15.57	Dark grey andesite.	Weak epidote.										
15.57 - 17.13	Altered andesite.	16.55-17.55 ± 10% pyrite.		19419	16.55	16.75	0.20		100	2.9	289	60
17.13 - 19.20	Andesite porphyry.											
19.20 - 21.10	Andesite. Calcite vein at upper contact.											
21.10 - 21.56	Irregular calcite veining (heavy) with semi-massive pyrite with euhedral crystals.		10-20% pyrite rare aspy.	19420	21.10	21.56			124	2.6	21	19
21.56 - 21.80	Andesite dyke.			35455	21.56	21.80	0.24		1	29	4	42
21.80 - 24.45	Irregular calcite veining; scattered blebs of pyrite.			19421	21.80	23.80	2.00		118	2.5	12	44
				19422	23.80	24.45	0.65		140	1.0	72	5
24.45 - 25.00	Massive magnetite with pyrite.			19423	24.45	25.00	0.55		60	2.1	177	199
25.00 - 25.85	Epidote altered andesite. Sparse pyrite; calcite veining @ 25.60 at 50° to core. With aspy? and grey sulphide? vein. (25.46-25.60 sampled separately.)	Epidote.		19424	25.00	25.46	0.46		2	1.3	177	5
				19425	25.46	25.60	0.14		5200 oz/ton	3.2 g/t	5 Au	12473
				19425	Fire Assay				0.170	5.82		
				19426	25.60	25.85	0.25		39	1.5	5	620
25.85 - 27.00	Feldspar porphyry.			19427	25.85	27.00	1.15		2	1.3	5	137

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: FEB. 11/88 Hole No: 88-9 Page 2 of 2

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
27.00 - 31.00	Banded "chert-like" formation with epidote bands 40° to core 27.73 feldspar porphyry dyke 28.1-28.25 Andesite dyke 29.42. 5cm quartz vein with minor pyrite. Irregular contact zone; feldspar porphyry andesite and "chert" from 31.0-32.92.	Epidote.		19428	27.00	29.00	2.00		12	1.6	44	48
				19429	29.00	31.00	2.00		4	2.7	208	25
31.00 - 62.52	Feldspar porphyry. Heavy epidote 34.88-25.77 Quartz veins at 39.57-39.72 (contacts 40°-30°) 42.57-42.72 (contacts 40°-30°) 42.98-43.07 (contacts 40°-40°). Andesite dyke 52.20-52.42 & 52.68-52.76. Quartz vein 52.57 (2cm-contacts at 50°) Quartz vein 56.13-56.23. Epidote quartz altered zone 57.45-58.00.			19430	39.57	39.72	0.15		12	0.9	27	12
				19431	42.57	42.72	0.15		42	0.8	16	1
				19432	42.98	43.07	0.09		2	0.9	23	9
				19433	56.13	56.23	0.10		1	0.5	7	11
				19434	57.45	58.00	0.55		1	1.0	4	10
62.52 - 76.44	Andesite, locally porphyritic. Epidote alteration at 69.9, 72.90-73.00, 74.80-75.03.			19435	69.00	71.00	2.00		1	0.9	75	12
				19436	72.80	75.10	2.30		2	2.1	73	13
76.44 - 78.30	Feldspar porphyry.											
78.30 - 79.00	Andesite.											
79.00 - 97.84	Feldspar porphyry andesite dyke at 86.28-86.47 contacts at 50°. Andesite dyke 88.20-89.10. cpy at 89.75. Heavy quartz epidote alteration 89.75-91.50. Several small quartz veins 90.55 & 90.75 & 91.50. Andesite dyke 92.55 & 93.40. Heavy epidote veining 95.62-96.32. Broken core at 97.84.	cpy at 89.75.		19437	82.00	84.00	2.00		1	1.5	149	13
				19439	95.62	96.32	0.70		2	1.6	10	3
97.84	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

Co: MPH CONSULTING LIMITED
Project: CONTACT AU
Proj.No: V248
Client: PARALLAX DEVELOPMENT CORPORATION

Length(m): 93.87
Dip : -45°
Azimuth : 310
Core Size: BQ
Casing: 2.44

Grid :
Latitude : 146.4N
Departure : 16E
Collar Elev: 190m
Remarks :

Drilled : FEB. 13/88
Contractor : ROGERS DRILLING
Logged by : V.RYBACK-HARDY
Date Logged:

Objective:

Hole No: 88-10
Hole Survey Type: ACID

Depth	Dip	Azi
93.87	?	N/A

From-To Metres	Lithology	Alteration	Mineralization/ Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
0-1.83	OVERBURDEN											
1.83 - 12.60	Dark grey, fine-grained, massive andesite, locally porphyritic.		Crude foliation 30° to core ± 14m.									
12.60 - 37.80	Foliated feldspar porphyry. Andesite dyke 19.30-19.90 weak skarn development 24.08. Andesite dyke 24.5-24.92.		Pyrite, pyrrhotite rare cpy at 20.05 and 21.25. Sparse pyrite at 24.08.	19442	20.00	22.00	2.00		2	2.2	111	16
				19443	23.50	24.50	1.00		6	1.9	117	19
				19444	31.00	33.00	2.00		2	3.0	87	16
32.80 - 40.20	Mauve feldspar porphyry.			19445	38.00	40.00	2.00		4	1.8	68	14
40.20 - 44.83	Grey feldspar porphyry.		Weak disseminated pyrite.									
44.83 - 45.15	Aplite or felsic dyke (silicified).		Sparse sulphides.	19446	44.83	45.15	0.32		1	1.6	41	6
45.15 - 56.33	Grey feldspar porphyry. Andesite dyke at 46.75-47.00m.		Heavy epidote alteration @ 55.7.	19449	51.00	53.00	2.00		1	1.5	69	14
56.33 - 57.57	Felsic dyke, silicified with heavy epidote alteration near lower contact.	Epidote.	Sparse pyrite. Grey sulphide 57.45.	19447	56.33	57.00	0.67		5	1.9	222	2
57.57 - 66.57	Black andesite or basalt.		Pyrite seam @ 57.0m. Quartz seam 70° 2.5cm 62.27									
66.57 - 67.83	Feldspar porphyry.											
67.83 - 69.49	Basalt.											
69.49 - 82.75	Feldspar porphyry with several narrow basalt dykes.	75.31-75.43 Qtz. epidote seam		19450	75.31	75.43	0.12		1	0.5	16	2

Co: MPH CONSULTING LIMITED Project: CONTACT AU Logged by: VRH Date: FEB. 18/88 Hole No: 88-10 Page 2 of 2

From-To Metres	Lithology	Alteration	Mineralization Sulphides/Structure/ Core Condition	No.	Sample Interval m		Length m	a g	Au ppb	Ag ppm	Cu ppm	Zn ppm
82.75 - 83.30	Quartz epidote altered zone.		Weak pyrite.	35451	82.75	83.30	0.55		1	1.2	31	2
83.30 - 90.83	Basalt. Feldspar porphyry dyke at 89.10 for 30cm. Feldspar filled breccia to 90.67.											
90.83 - 92.65	Feldspar porphyry			35452	91.00	93.00	2.00		1	2.1	87	16
92.65 - 93.87	Basalt.											
93.87	END OF HOLE											

gc=geochem chip; gs=geochem split; as=assay split

APPENDIX V

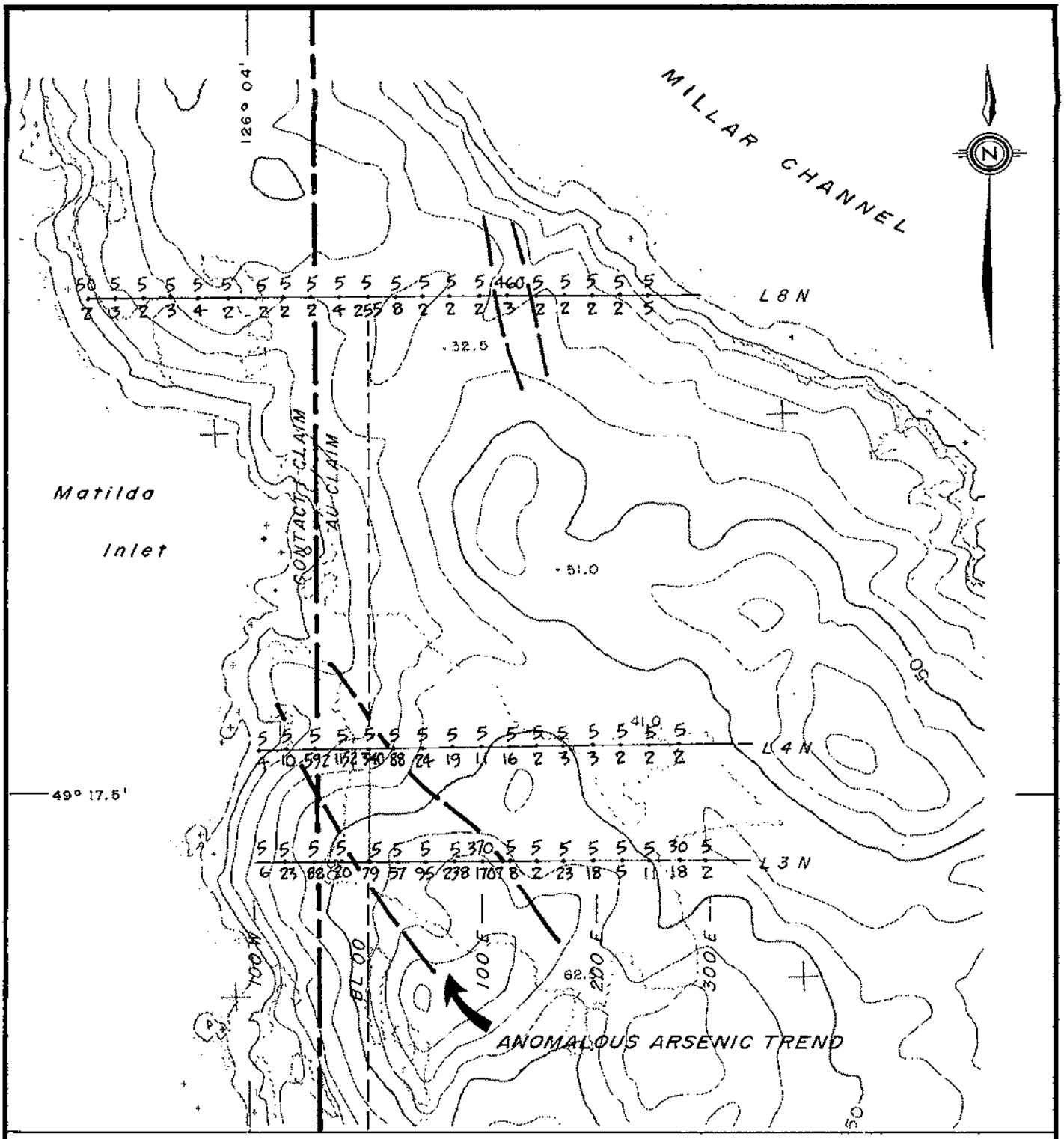
CONVERSION FACTORS FOR METRIC UNITS

CONVERSION FACTORS FOR METRIC UNITS

1 inch	=	25.4 millimetres	(mm)
		or 2.54 centimetres	(cm)
1 cm	=	0.394 inch	
1 foot	=	0.3048 metre	(m)
1 m	=	3.281 feet	
1 mile	=	1.609 kilometres	(km)
1 km	=	0.621 miles	
1 acre	=	0.4047 hectares	(ha)
1 ha	=	2.471 acres	
1 ha	=	100 m x 100 m = 10,000 m^2	
1 km^2	=	100 ha	
1 troy ounce (oz)	=	31.103 grams	(g)
1 g	=	0.032 troy oz	
1 pound (lb)	=	0.4536 kilogram	(kg)
1 kg	=	2.2046 lb	
1 ton (2000 lb) (T)	=	0.9072 tonne	(t)
1 tonne (t)	=	1.1023 ton = 2205 lb	
1 troy ounce/ton (oz/T)	=	34.286 grams/tonne	(g/t)
1 g/t	=	0.0292 oz/ton	
1 g/t	=	1 part per million	(ppm)
1 ppm	=	1000 parts per billion	(ppb)
10,000 g/t	=	1%	

APPENDIX VI

FIGURES 6 to 13



— L E G E N D —

GRID SAMPLE RESULTS (54)

5 / 8 — Au ppb / As ppm

NTS 92E/8E

0 100 200 metres

RANGE

Au: 5ppb — 460ppb

As: 2ppm — 1707 ppm

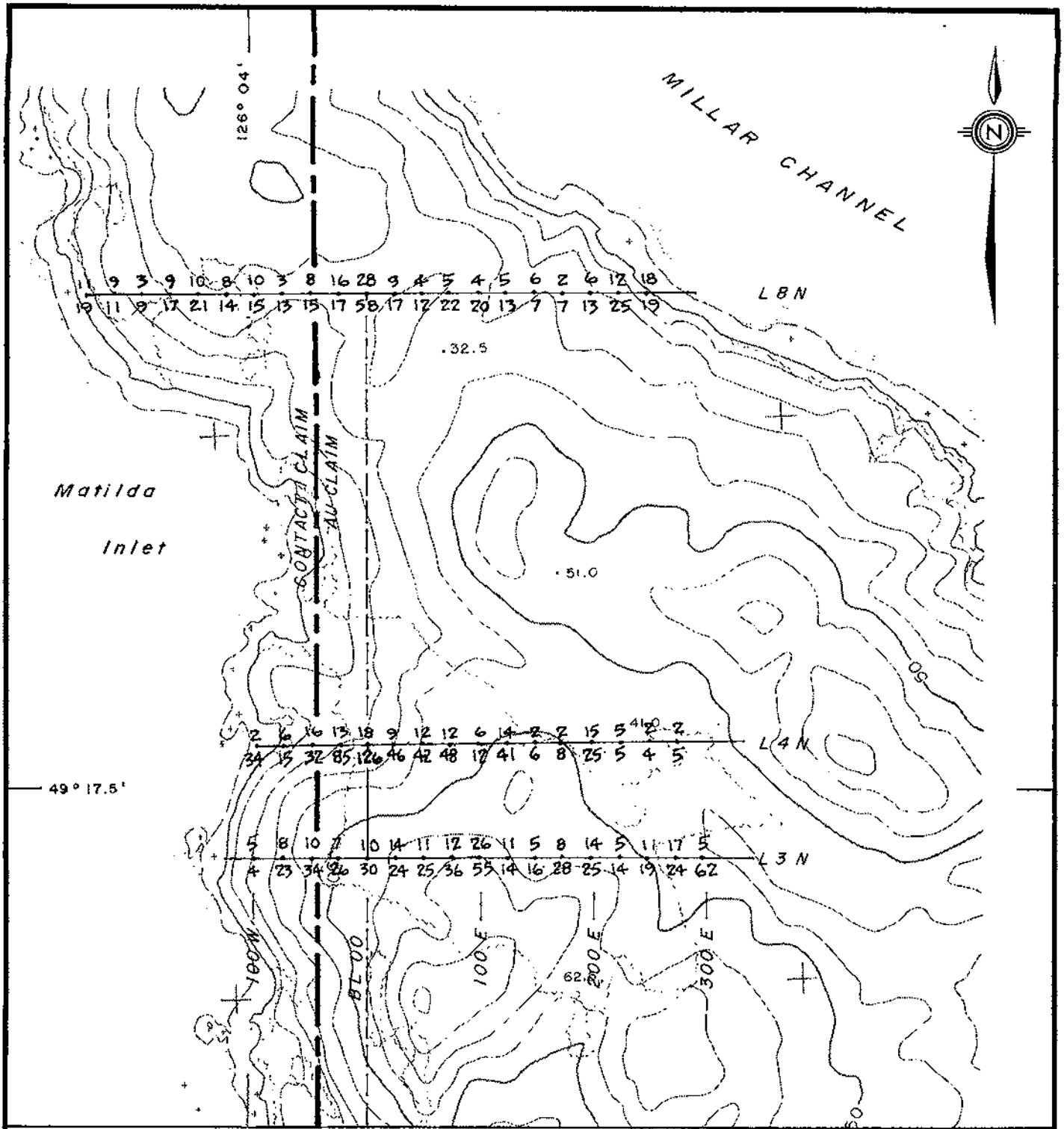
	Au	As
Mean	5.5	13.5
Standard Deviation	3.5	22.1
Anomalous	12.5	57.7
	ppb	ppm

PARALLAX DEVELOPMENT CORPORATION

Mc NEIL PENINSULA
SOIL GEOCHEMISTRY – Au ppb, As ppm
CONTACT AU PROJECT
FLORES ISLAND, B. C.
ALBERNI M.D.

Project No:	V 248	By:	V R H
Scale:	1:5000	Drawn:	D. Miller
Drawing No:	11	Date:	FEBRUARY 1988

MPH Consulting Limited



- L E G E N D -

GRID SAMPLE RESULTS (54)

13 Pb ppm
85 Zn ppm

RANGE

Pb: 2ppm — 28 ppm

Zn: 4ppm — 126ppm

NTS 92E/8E

0 100 200 metres

PARALLAX DEVELOPMENT CORPORATION

McNEIL PENINSULA
SOIL GEOCHEMISTRY - Pb, Zn ppm
CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	V R H
Scale:	1:5000	Drawn:	D. Miller
Drawing No:	12	Date:	FEBRUARY 1988

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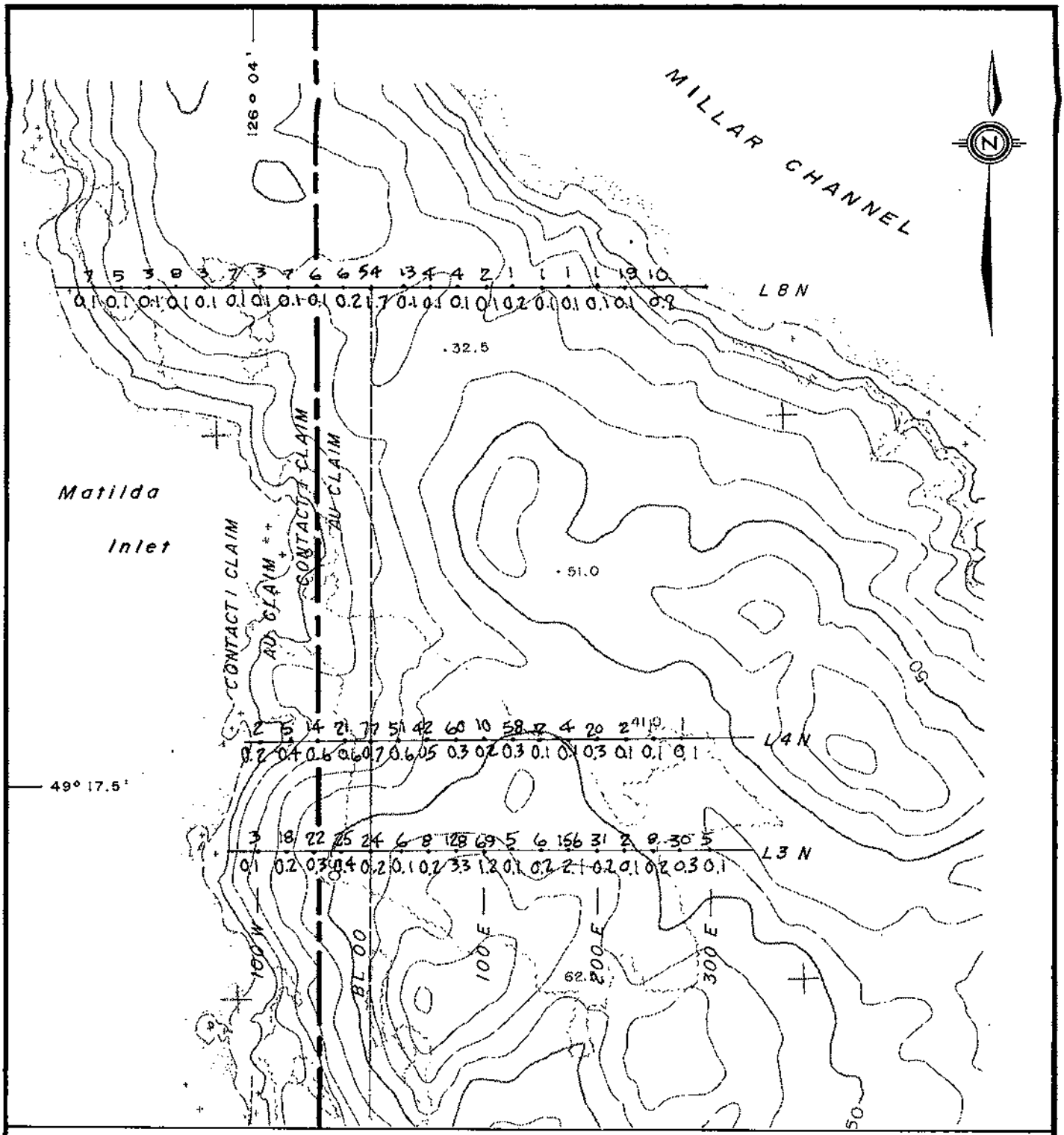


— L E G E N D —

GRID SAMPLE RESULTS (54)

69 / 1.2 Cu ppm / Ag ppm

RANGE

Cu: 1 ppm — 128 ppm

Ag: 0.1 ppm — 3.3 ppm

NTS 92E/8E

0 100 200 metres

PARALLAX DEVELOPMENT CORPORATION

McNEIL PENINSULA
SOIL GEOCHEMISTRY – Cu, Ag ppm
CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	V R H
Scale:	1:5000	Drawn:	D. Miller
Drawing No:	13	Date:	FEBRUARY 1988

MPH Consulting Limited

126°05'W

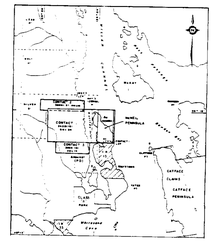
126°04·5'W

49°18'N

49°17·5'N

MATILDA

INLET



- L E G E N D -

	Pb ppm	Zn ppm
RANGE	2 - 187	1 - 953
MEAN	10.7	21.8
STANDARD DEVIATION	11.1	24.4
ANOMALOUS	33	71
GEOCHEMICAL CONTOURS	33, 55, 100	71, 120, 217, 412, 803

GEOCHEM RESULTS

Pb ppm / Zn ppm

2-4 12/2 FALL 87, JAN 87

4 / 184 FALL 87

WHERE 2 VALUES SHOWN

460 SAMPLES (353-1987, 129-1986,
22 REPLICATE SAMPLES

CDH-10 Diamond Drill Hole

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,428

0 50 100 150 200 metres

NTS 92F/5

Part 1 of 2

PARALLAX DEVELOPMENT CORPORATION

SOIL GEOCHEMISTRY

MAIN GRID - Pb ppm, Zn ppm

CONTACT AU PROJECT

FLORES ISLAND, B.C.

ALBERNI M.D.

Project No:	V 248	By:	VRH
Scale:	1: 2000	Drawn:	D. Miller
Drawing No:	9	Date:	FEBRUARY 1988.

MPH Consulting Limited

126°04·5'W

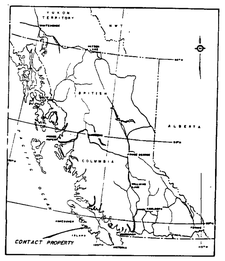
49°18'N

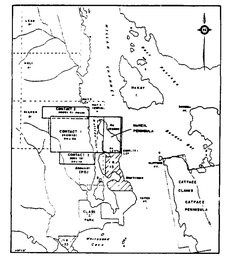
49°17·5'N

126°05'W

MATILDA

INLET





ANOMALY INTERVALS

Au (ppb)	As (ppm)
20	176
50	*318
150	602
*600	*1171
*3000	*2309
*18000	

*not contoured

LEGEND

- Fall 1987 / Jan 1987 — As results in ppm
- Soil sampling line
- Jan. 1987 / Fall 1987 — Au results in ppb
- DDH-10 — Diamond Drill Hole

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,428
Part 1 of 2

0 50 100 150 200 metres

NTS 92 F/5

PARALLAX DEVELOPMENT CORPORATION

SOIL GEOCHEMISTRY
MAIN GRID – Au ppb, As ppm
CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	T.N.
Scale:	1 : 2000	Drawn:	J.S.
Drawing No:	8	Date:	FEBRUARY 1988.

MPH Consulting Limited

126°05'W

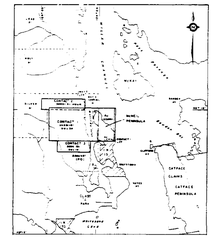
126°04·5'W

49°18'N

49°17·5'N

MATILDA

INLET



- LEGEND -

	Cu ppm	Ag ppm
RANGE	1 – 799	<0.2 – 24.9
MEAN	20.8	0.28
STANDARD DEVIATION	26.9	0.30
ANOMALOUS	75	1.0
GEOCHEMICAL CONTOURS	75, 128, 236, 451, 882	1.0, 1.5, 2.7, 5.0, 10.0

GEOCHEM RESULTS

75 ppm Cu / 1.0 ppm Ag — FALL 87, JAN 88 / JAN 87, FALL 87

Cu ppm / Ag ppm

WHERE 2 VALUES SHOWN

460 SAMPLES (353-1987, 129-1986,
22 REPLICATE SAMPLES

DDH-10 Diamond Drill Hole

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,428

0 50 100 150 200 metres

NTS 92F/5

Part 1 of 2

PARALLAX DEVELOPMENT CORPORATION

SOIL GEOCHEMISTRY
MAIN GRID - Cu ppm, Ag ppm
CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	VRH
Scale:	1 : 2000	Drawn:	D. Miller
Drawing No:	10	Date:	FEBRUARY 1988.

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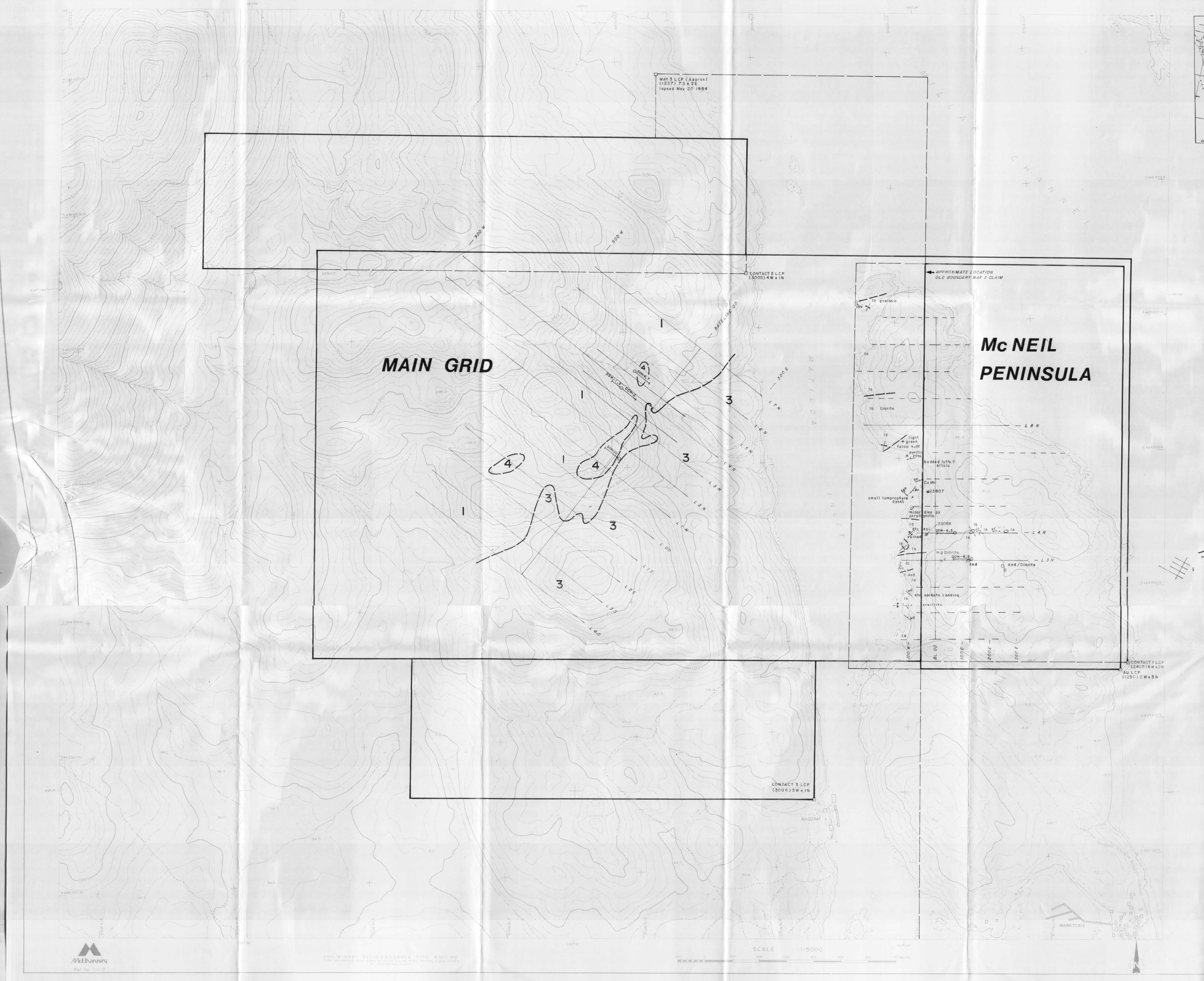

— LEGEND —

GEOLOGY

JURASSIC AND/OR TERTIARY

4 Contact zones
- a Skarn; massive magnetite with pyrite, local chalcopyrite and arsenopyrite
- b Quartz biotite porphyry; highly siliceous with finely disseminated pyrite and stringers of pyrite

3 Intermediate Intrusive Rocks
Diorite, quartz diorite, granodiorite

MESOZOIC AND / OR PALEOZOIC

2 Mafic Intrusive Rocks
Diabase, gabbro

1 Westcoast Complex
- a Metamorphosed volcanic and volcaniclastic rocks, variably altered epidote, chlorite. Cut by 'felsite' bands and quartz veins
- b Feldspar porphyry; dark grey aphanitic groundmass with white euhedral phenocrysts of plagioclase up to 3 mm ø
- c Argillite; black fine-grained, bedded with blocky fracture

SYMBOLS

Geological Contact
Diamond Drill Hole
Grid; with old grid lines
Outcrop
Bedding; Foliation; Antiform
Legal Corner Post

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,428

Part 1of2

0 100 200 300 400 500 metres

PARALLAX DEVELOPMENT CORPORATION

PROPERTY PLAN / GENERAL GEOLOGY /
GRID AND DRILL HOLE LOCATIONS

CONTACT AU PROJECT

FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	VRH
Scale:	1:5000	Drawn:	D Miller
Drawing No:	6	Date:	FEBRUARY 1988

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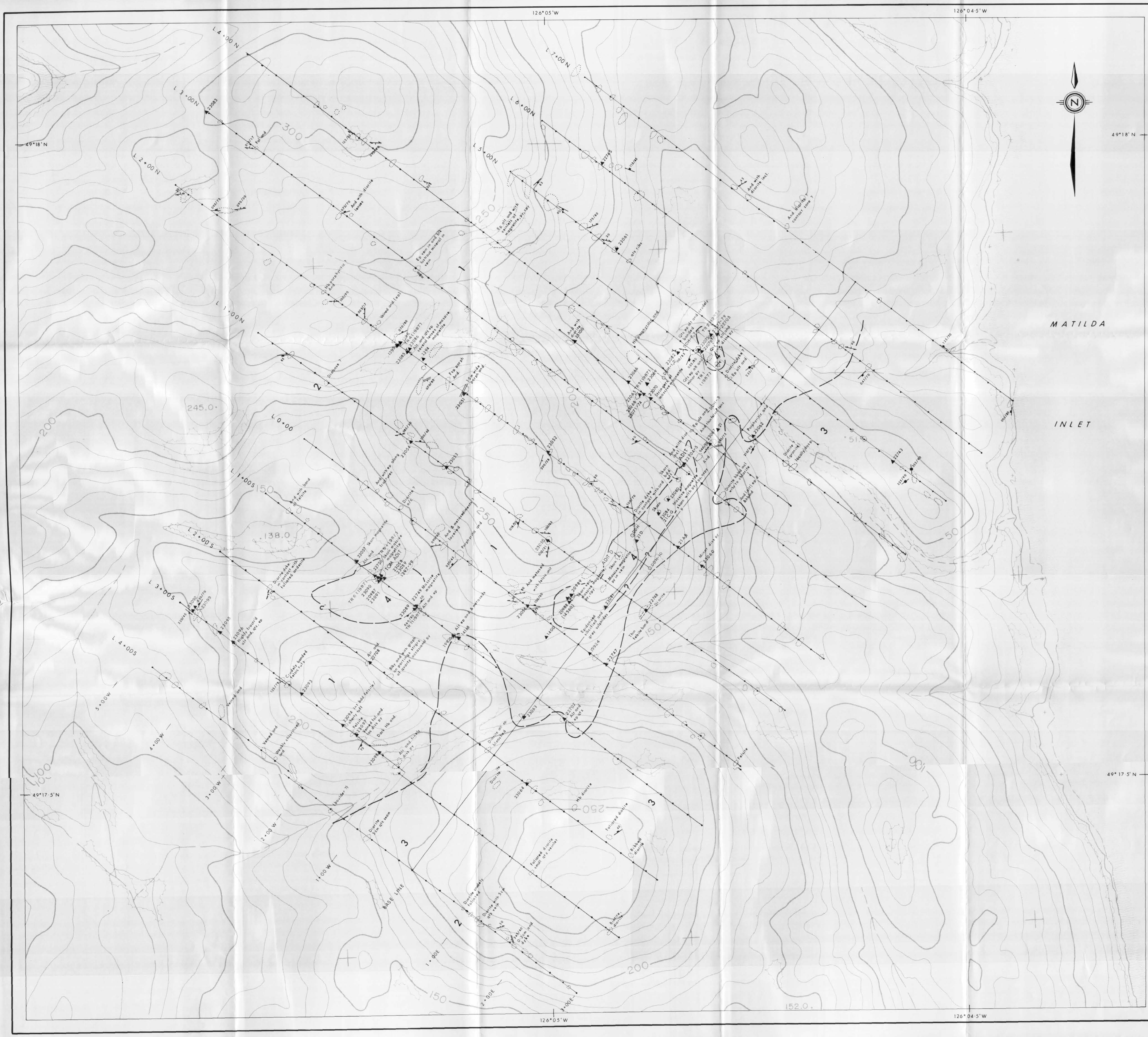

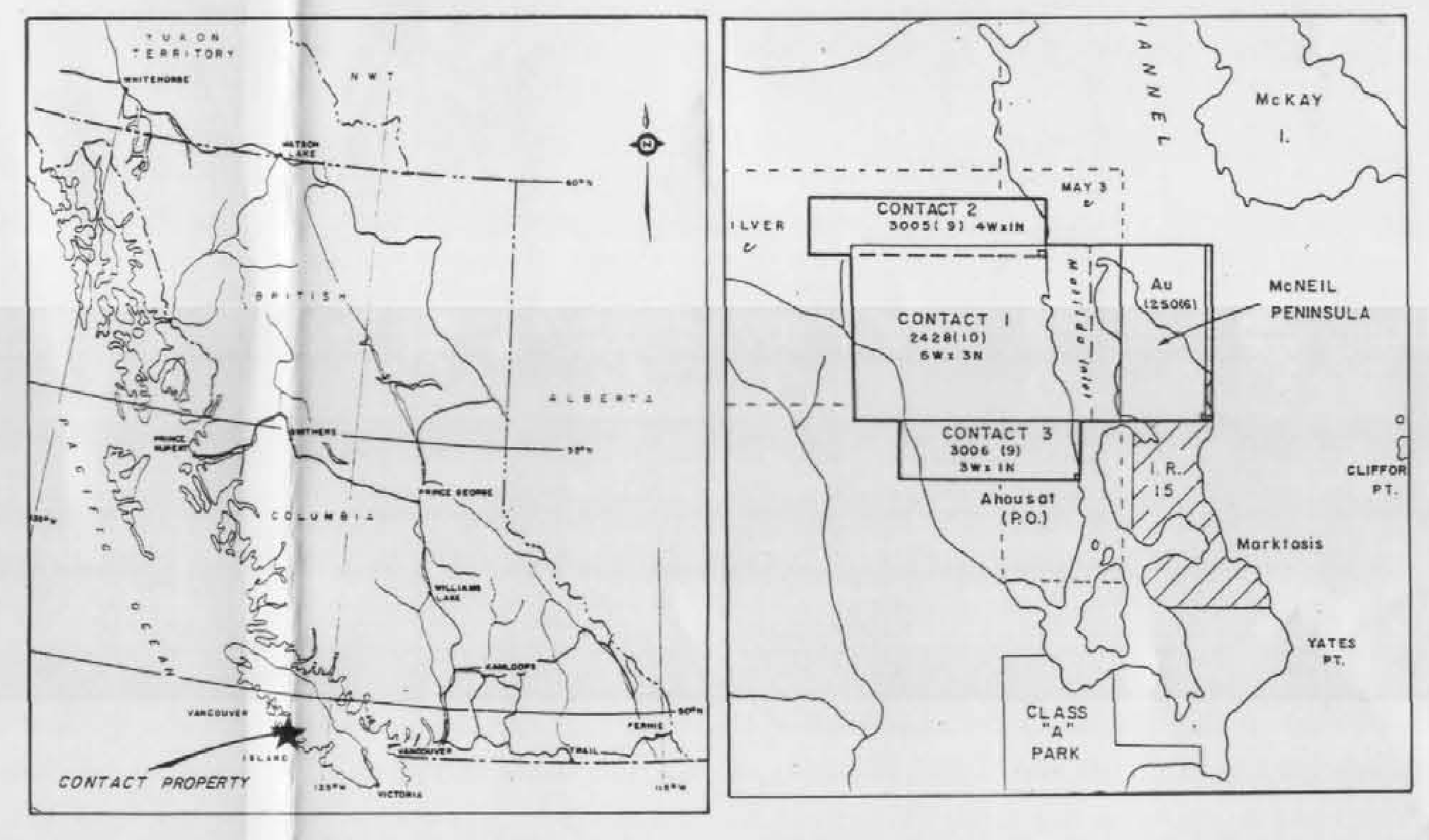

— LEGEND —

GEOLOGY

JURASSIC AND/OR TERTIARY

4 Contact zones

a Skarn; massive magnetite with pyrite, local chalcopyrite and arsenopyrite

b Quartz biotite porphyry; highly siliceous with finely disseminated pyrite and stringers of pyrite

3 Intermediate Intrusive Rocks
Diorite, quartz diorite, granodiorite

MESOZOIC AND/OR PALEOZOIC

2 Mafic Intrusive Rocks
Diabase, gabbro

1 Westcoast Complex

a Metamorphosed volcanic and volcaniclastic rocks, variably altered epidote, chlorite. Cut by 'felsite' bands and quartz veins

b Feldspar porphyry; dark grey aphanitic groundmass with white euhedral phenocrysts of plagioclase up to 3 mm ø

ABBREVIATIONS

py pyrite, pyrr pyrrhotite, cpy chalcopyrite, aspy arsenopyrite

SYMBOLS

Geological contact
Outcrop
Jointing
Compositional layering (bedding ?) and/or foliation
Bedding
▲ 23051 Rock sample location with sample number
Adit
Trench
DDH-3 Diamond Drill Hole

SELECTED LITHOGEOCHEMICAL CONCENTRATIONS

Sample No.	Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
20987	5	8.2	418	999	94	137
20988	5	30.3	65	6022	13	257
20989	5	4.9	214	984	22	55
22703	7400	245.1 (242.1 g/t)	83	52079	16	2620
22704	70	6.2	654	588	54	40
22748	5	0.4	26	74	10	76
22749	5	71.5	40	9855	186	37146
22750	5	4.6	69	474	109	6209
23057	20	8.2	1307	1068	178	9299
23058	5	2.4	336	242	35	6238
23059	5	2.8	388	261	57	7033
23068	5	0.8	543	21	25	57
23071	5	1.1	140	325	42	517
23075	1120	78.1	67	23000	4	625
23076	5	2.8	9	471	4	46
23077	1380	33.4	56	8973	6	360
23078	120	1.8	31	396	6	183
23079	3000	1.9	12	147	7	160
23080	5	4.3	52	1911	25	102
23081	2860	0.2	60939	25	9	18
23084	10	3.3	23	744	25	127
23085	40	1.7	88	112	43	120
23089	20	120.0 (120.0 g/t)	160	17304 (2.00%)	256	20333 (2.52%)
23090	5	5.1	174	1035	83	16465 (1.66%)
23091	5	4.0	1265	656	99	3569
23092	5	2.0	28	261	37	156
21A	2	0.5	521	129	24	87
21B	30	0.1	264	149	7	248
21C	90	22.8	41	1876	2	113
21D	10	0.7	298	27	8	26
21G	380	96.0 (100.1 g/t)	155	21977	71	497
1395	5	3.6	57	862	21	71
1396	2020	331.3	233	99999	79	1284
1397	40	16.2	226	3251	108	11714
1398	5	7.4	88	1315	34	145
1400	50	0.7	1777	65	15	82

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,428

0 50 100 150 200 metres

NTS 92 F/5

Part 1 of 2

PARALLAX DEVELOPMENT CORPORATION

GEOLOGY AND .
ROCK SAMPLE LOCATIONS
CONTACT AU PROJECT
FLORES ISLAND, B.C.
ALBERNI M.D.

Project No:	V 248	By:	V. R. H.
Scale:	1 : 2000	Drawn:	J. S.
Drawing No:	7	Date:	FEBRUARY 1988.

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