

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 90.03.17

ASSESSMENT REPORT 18711

MINING DIVISION: Osoyoos

PROPERTY: Oka
LOCATION: LAT 49 48 00 LONG 119 55 00
UTM 11 5520257 290113
NTS 082E13W

CLAIM(S): Oka 1-11, Iron Horse, Cap

OPERATOR(S): Fairfield Min.

AUTHOR(S): Jakubowski, W.

REPORT YEAR: 1989, 186 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Triassic, Nicola Group, Limestone, Marble, Skarn, Gold, Andesite
WORK

DONE: Drilling, Geophysical, Geochemical, Physical, Geological

EMGR 41.5 km; VLF
Map(s) - 3; Scale(s) - 1:5000

MAGG 41.5 km
Map(s) - 3; Scale(s) - 1:5000

PETR 6 sample(s)

ROAD 2.5 km

ROCK 43 sample(s) ; AU, AG

ROTD 6031.3 m 44 hole(s)
Map(s) - 18; Scale(s) - 1:500

SAMP 3903 sample(s) ; AU

SOIL 45 sample(s) ; AU, AG

RELATED

REPORTS: 15834, 16761, 16788

MINFILE: 082ENW017, 082ENW018, 082ENW025

LOG NO: 0506	RD.
ACTION:	
FILE NO:	

FILMED

1988
**REVERSE CIRCULATION DRILLING, GEOPHYSICAL,
 GEOCHEMICAL AND PROSPECTING REPORT**

On the OKA PROPERTY

South Okanagan Area, Osoyoos Mining Division, B.C.
 NTS: 82E-13W; Lat. 49°48'N; Long. 119°55'W

MARCH 1989 (BC ASSESSMENT REPORT)
 VOLUME I of II - TEXT & APPENDICES

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

18,711

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Prepared:	6 reports

Part 1
 of 2

This report consists of 2 Volumes: Volume I - Text & Appendices
 Volume II - Plates

1 9 8 8

REVERSE CIRCULATION DRILLING, GEOPHYSICAL,

GEOCHEMICAL AND PROSPECTING REPORT

ON THE OKA PROPERTY
(Oka #1-15, Iron Horse and Cap Claims)

Osoyoos Mining Division, B.C.
Latitude 49°48'N; Longitude 119°55'W.
NTS; 82/E-13W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

and

PLACER DOME INC.
Vancouver, British Columbia

By

W. J. Jakubowski, B.Sc., Geologist

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
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Date Submitted: April, 1989
Work Period: April 18 - July 23, 1988

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Plate 18:	Cap Area Drill Section	A-A'	1:500

SUMMARY AND CONCLUSIONS

The Oka gold property centered 12 kilometres northwest of Peachland, B.C. consists of 15 mineral claims (194 units), owned by Fairfield Minerals Ltd. and under option to Placer Dome Inc.

Access to the property is excellent via five kilometres of paved road and ten kilometres of all-weather gravel road.

Earlier exploration efforts in the Oka area concentrated on zinc and copper mineralization within massive sulphide zones, and porphyry copper-molybdenum showings. Recent exploration conducted by Cordilleran Engineering Ltd., focussed on gold. Programs in 1986 and 1987 consisted of linecutting, soil sampling, prospecting, reconnaissance mapping, a magnetometer survey and trenching. This work outlined several areas with gold mineralization hosted in skarns, diorite dykes and quartz veins.

In 1988 a six thousand metre reverse circulation drill program was undertaken to test favourable stratigraphy in five areas for economic gold skarn development. VLF-EM and magnetometer surveys, prospecting and detailed grid soil sampling were also conducted during 1988.

The claims are underlain by Cretaceous granodiorite which has intruded Upper Triassic Nicola Group clastic sediments, limestone and minor volcanic rocks. Lower Jurassic(?) diorite dykes and sills also crosscut Nicola Group rocks. Carbonate horizons have been variably recrystallized to marble and metasomatized to skarn at, or near, intrusive contacts.

2.0

R E C O M M E N D A T I O N S

A diamond drilling program of six NQ holes totalling 1100 metres is recommended to explore for gold-bearing structures in three areas on the Oka property where reverse circulation drilling has indicated high gold values.

In the Iron Horse area three holes (600 m) are proposed. One would angle to the north toward the intercept in hole 88-20 which assayed 0.39 oz/ton Au over 1.52 metres. This would test the southerly extension of the upper skarn horizon and explore for a possible steeply dipping structure associated with the mineralized section. The second hole would angle to the north, 100 metres west of hole 88-20 exploring an untested area along strike from two mineralized holes. The third would be angled to the south toward mineralized intercepts in holes 88-5 and 88-21 beneath the West Horse showing. This should provide information on the mode of occurrence and trend of gold mineralization in this area.

In the Bolivar West area two holes (300 m) are proposed approximately 100 metres apart. Both would be angled to the south to explore for the eastward projection of a gold-bearing quartz vein which dips about 60 degrees to the north. One would also test the mineral intercept in hole 88-26 which assayed 0.41 oz/ton Au over 1.52 metres.

In the Bolivar East area one hole (200 m) is proposed. It would angle to the southeast toward the intercept in hole 88-32 which assayed 0.54 oz/ton Au over 1.52 m to check for a possible steeply dipping, northeast-trending mineralized structure.

Diamond drill core should be logged, split and analyzed for gold with particular emphasis on veins and disseminations of sulphide minerals. A total of 800 core samples is estimated. Forty hours of bulldozer work for road and drill site preparation is necessary. A tank truck would be required to haul water for drilling.

Respectfully submitted

CORDILLERAN ENGINEERING LTD.



W. Jakubowski, B.Sc.
Geologist

3.0

I N T R O D U C T I O N

3.1 **LOCATION AND ACCESS** (Figures 1 and 2)

The Oka property is situated in the Okanagan area of B.C. (Figure 1). The junction of the Headwaters Road (Figure 2) which provides access through the center of the claim block, and the paved Brenda Mine road is 11 km from Peachland. A 4-wheel drive vehicle is required to reach mineralized areas in the central and northwestern claims.

The property is on the east edge of the Trepanege Plateau, and elevations range from 900 m to 1500 m. Forest cover of pine, balsam and fir is extensive. The property is traversed from west to east by Greata Creek and from northwest to southeast by Peachland Creek.

3.2 **CLAIM DATA**

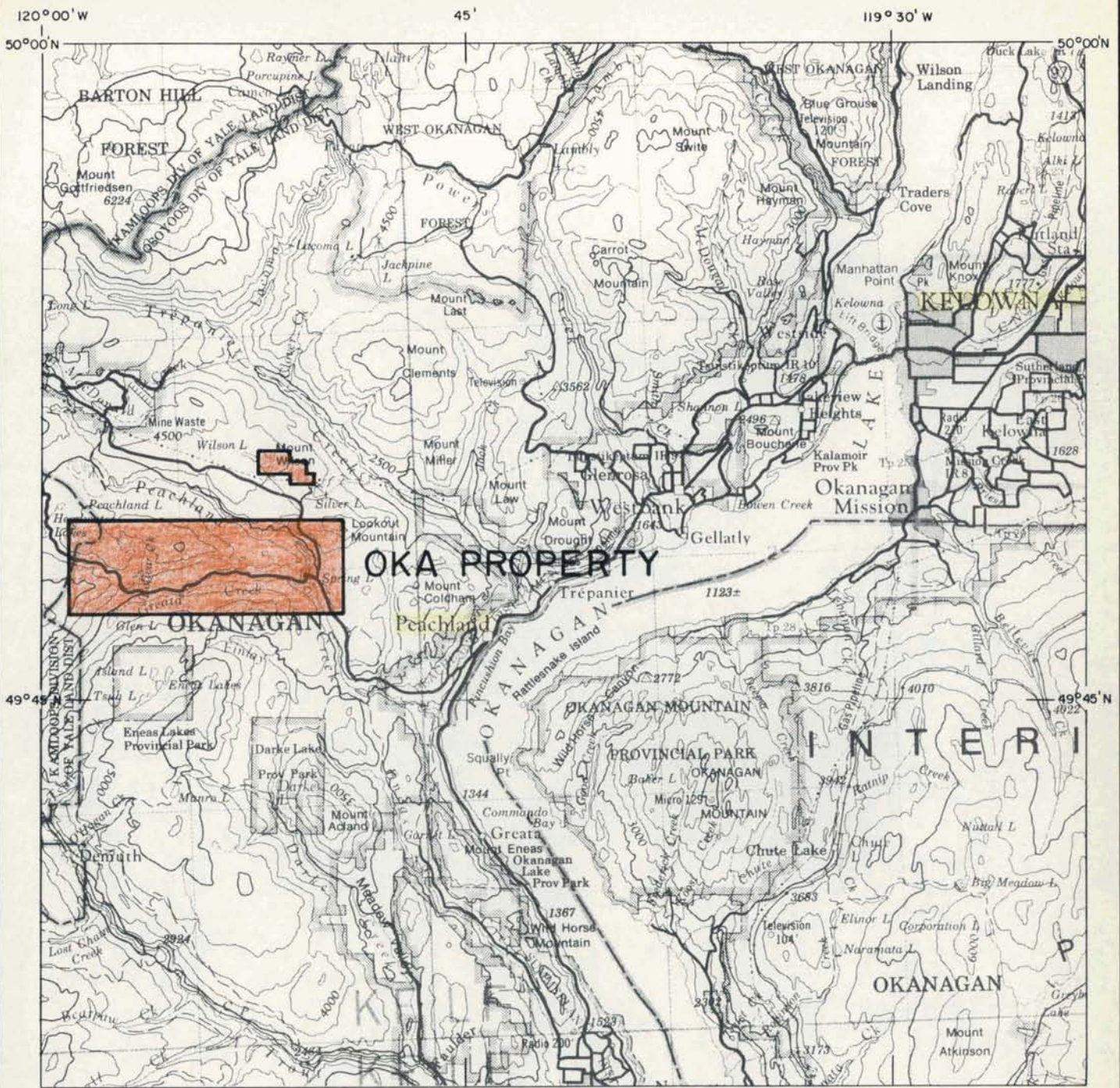
The status of the Oka, Iron Horse and Cap claims is indicated in Table 1, and their locations are shown on Figure 2. The Oka 1-11 claims were staked in March, 1986 and Oka 12-15 in June, 1988, by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. The Iron Horse and Cap claims were purchased by Fairfield from the claim holders. The property is subject to an option agreement with Placer Dome Inc.

Table 1:

CLAIM DATA

<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
OKA 1	20	2400	25 MAR. 1994
OKA 2	20	2401	25 MAR. 1994
OKA 3	20	2402	25 MAR. 1994
OKA 4	16	2403	25 MAR. 1994
OKA 5	16	2404	25 MAR. 1994
OKA 6	2	2405	25 MAR. 1994
OKA 7	20	2406	25 MAR. 1994
OKA 8	20	2407	25 MAR. 1994
OKA 9	12	2408	25 MAR. 1994
OKA 10	16	2409	25 MAR. 1994
OKA 11	16	2410	25 MAR. 1994
OKA 12	2-post	2945	22 JUL. 1989
OKA 13	6	2920	28 JUN. 1989
OKA 14	2-post	2946	22 JUL. 1989
OKA 15	2-post	2947	22 JUL. 1989
CAP	1	118	28 SEP. 1998
<u>IRON HORSE</u>	<u>6</u>	<u>1771</u>	<u>2 JUN. 1994</u>

Total: 17 claims 191 units
 + 3 2-post claims

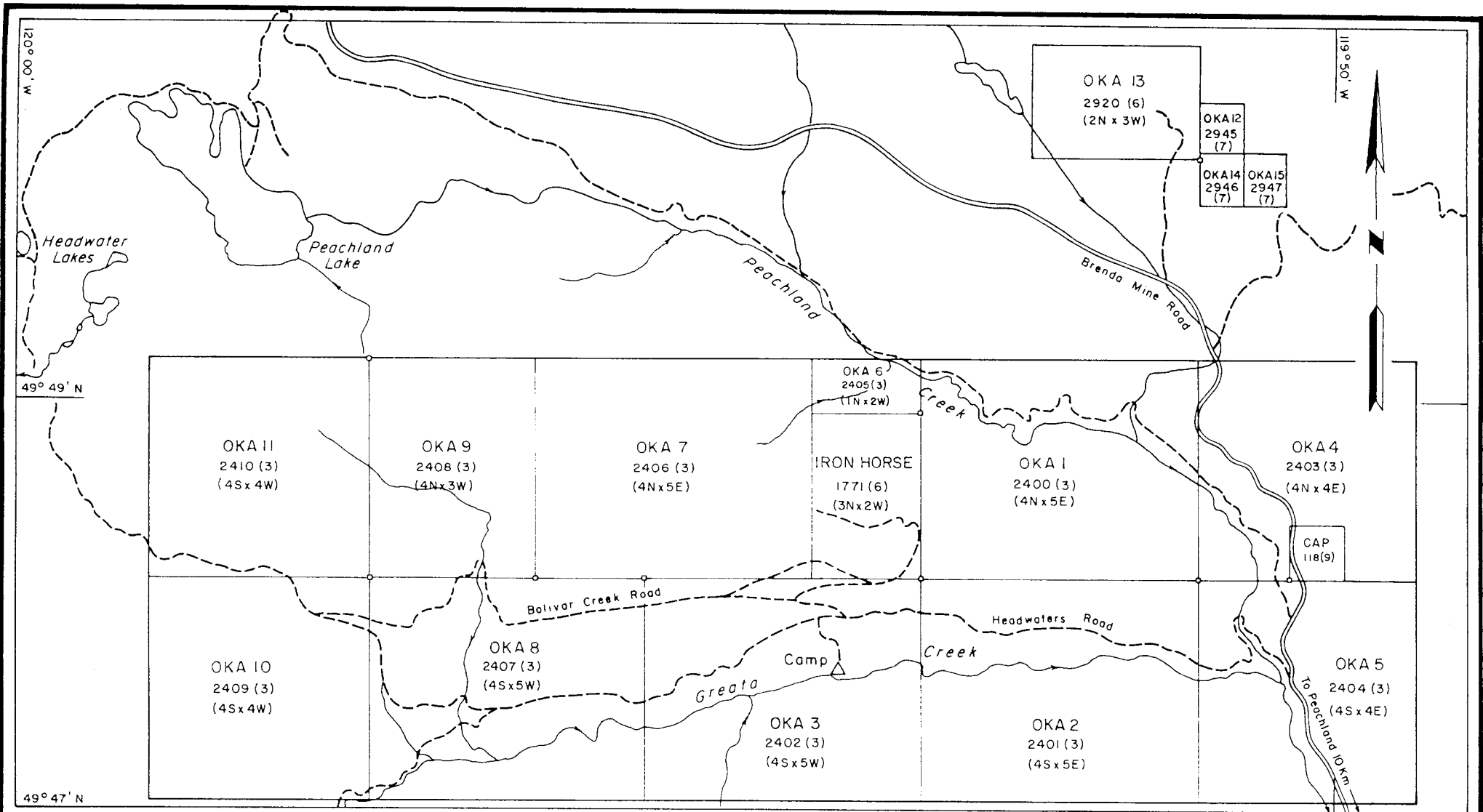


FAIRFIELD MINERALS LTD.
LOCATION MAP
 OKA GOLD PROPERTY
 SOUTH OKANAGAN AREA

N.T.S. 82E/13W OSOYOOS MINING DIVISION, B.C.
 Scale = 1 : 250,000



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



LEGEND

- OKA 7 CLAIM NAME
- 2406 RECORD NUMBER
- (3) MONTH OF RECORD
- (4Nx4W) NUMBER OF UNITS N & W
- ◻ LCP LOCATION

FAIRFIELD MINERALS LTD.

CLAIM MAP

OKA PROPERTY

SOUTH OKANAGAN AREA

OSOYOOS MINING DIVISION, B.C., N.T.S. 82E/13W



CORDILLERAN ENGINEERING LTD.

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

FEBRUARY 1989

FIGURE 2

INTRODUCTION (continued)

3.3 HISTORY

The earliest reported work within the area of the Oka claims was in 1898 on the Silver King and Alma Mater properties at the west end of the present claim block. Three shallow shafts (to 4.3 m) and one deep one (76 m) were sunk and four adits (to 70 m) and one crosscut (58 m) were driven in intrusive rocks. The target was "free milling" gold, however, there is no record of any gold being recovered. In more recent years this area has been mapped (1965), soil sampled (1967) and diamond drilled (4 holes, 1979). A porphyry copper/molybdenum deposit was the objective of the later work.

The Iron Horse claim, near the center of the present property, has been another focus of activity which began in the 1930's. The area has been variably mapped, trenched, sampled and geophysically surveyed; an unknown number of holes were drilled in 1956.

A third area to receive previous work is now covered by the Cap and Oka 4 claims, north of the junction of the Brenda and Headwater roads. Exploration activity included mapping, trenching, diamond drilling (? holes, 1965), soil sampling and a magnetometer survey.

Skarn-hosted Cu-Zn massive sulphides were the targets on the Iron Horse and Cap claims.

Other areas within the present property were variously prospected, soil sampled and geophysically surveyed during the late 1960's and early 1970's.

Recent work has focussed on gold. In 1986, a program of linecutting, soil sampling, prospecting and reconnaissance mapping was carried out. A number of large gold soil geochemical anomalies were defined; prospecting of some of these revealed that the higher gold values are associated with skarn and massive sulphide zones.

The 1987 program consisted of detailed grid soil sampling, a magnetometer survey over the Iron Horse area and extensive backhoe stripping and trenching with associated detailed mapping and rock chip sampling. The excavating and rock sampling revealed gold in skarns, diorite dykes and quartz veins in four widely separated areas on the property.

INTRODUCTION (continued)

3.4 1988 EXPLORATION PROGRAM

During the period April 18 to July 23, 1988 Cordilleran Engineering Ltd. managed an exploration program on the Oka property on behalf of Fairfield Minerals Ltd. and Placer Dome Inc.

A total of 6031.3 metres of reverse circulation drilling was completed in 44 holes in five areas on the property. Several of the holes had significant gold values over moderate lengths. One assayed 0.41 oz/ton Au over 1.5 metres, another contained 0.17 oz/ton Au over 6.1 metres.

New roads, totalling 2.51 kilometres, were constructed to provide access to drill sites.

Secant chained, flagged, compass lines totalling 41.5 line-kilometres were prepared and utilized for magnetometer and VLF-EM surveys. Several weak geophysical anomalies were defined but no significant targets were outlined.

Eight man-days were spent prospecting areas of anomalous soil geochemistry. A new showing was discovered from which grab samples returned moderate gold values. Detailed soil sampling in the showing area provided 45 samples, many of which were strongly anomalous in gold and arsenic.

4.0

G E O L O G Y

4.1 REGIONAL GEOLOGY (Figure 3)

The Oka property is situated in the northwest corner of G.S.C. Map 15-1961, Kettle River, mapped by Dr. H. W. Little, (1958-59). The property is underlain by pendants of sedimentary and volcanic rocks of the Upper Triassic Nicola Group which are cut by Cretaceous (?) age Nelson plutonic rocks. East of the property both intrusive and Nicola group rocks are covered by large areas of Eocene/Oligocene volcanic flows. Seven kilometres to the northwest the Brenda Mine open pit is located on a large porphyry copper-molybdenum system in Cretaceous granitic rocks.

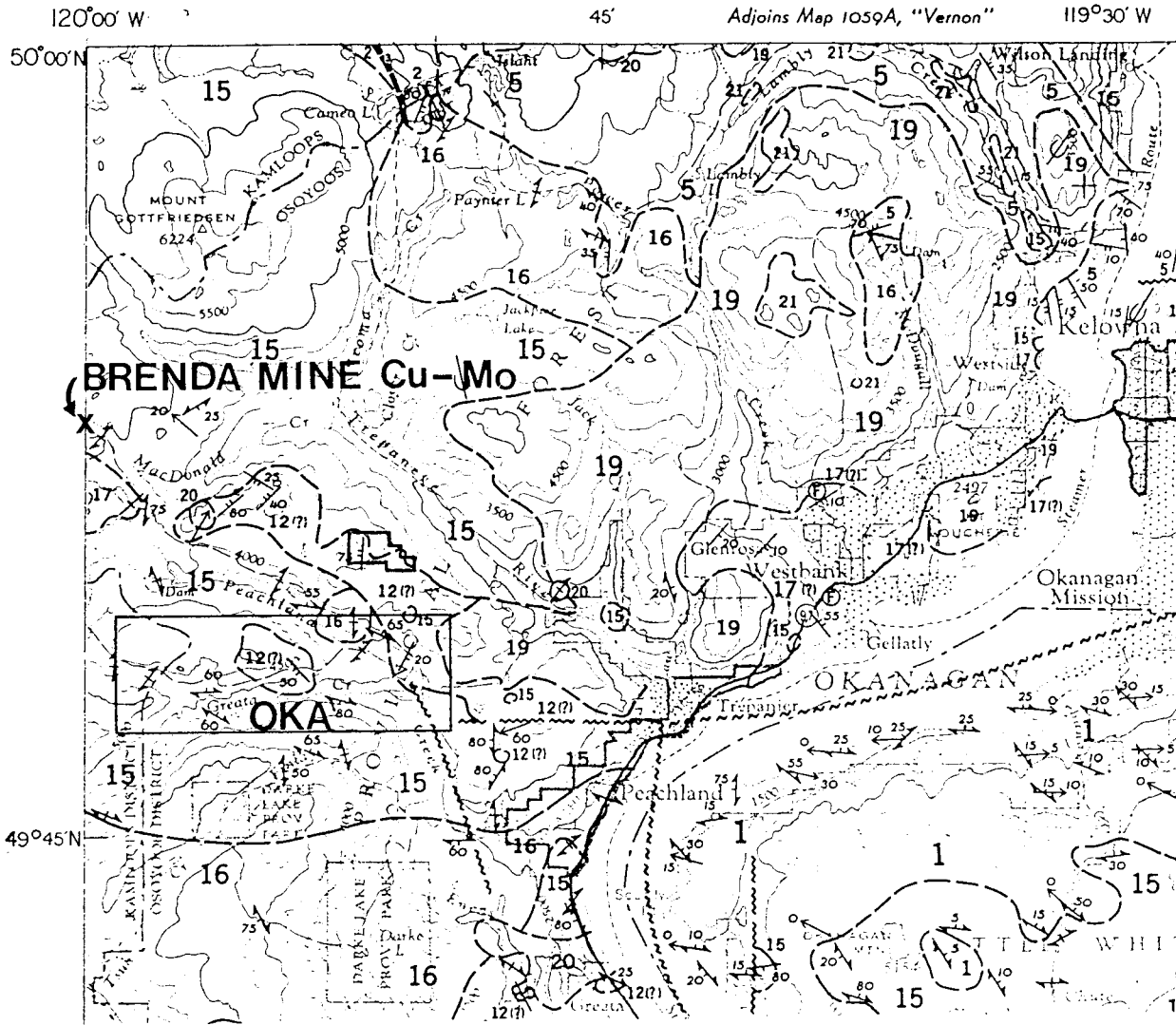
4.2 PROPERTY GEOLOGY AND MINERALIZATION (Figure 4)

A brief summary of the property geology and mineralization is given below. Generalized unit contacts are shown on Figure 4. For a more detailed description of the lithologies see Section 6.3.

Pendants of Upper Triassic Nicola Group rocks underlie the central and eastern parts of the property. Nicola Group rocks include limestone, clastic sediments and intermediate to basic volcanic rocks (Units 2 and 3). Carbonate horizons have been variably recrystallized to marble and metasomatized to skarn at, or near, intrusive contacts.

In the Iron Horse area Nicola rocks consist predominantly of limestone, skarn and narrow argillite beds. In the Bolivar East and West areas Upper (?) Nicola Group lithologies consist mainly of andesitic to dacitic volcanics with minor interbeds of argillaceous rock. These units are largely hornfelsed with minor development of calc-silicate minerals. In the Cap Showing area on the eastern claims Nicola Group consists of interbedded limestone, sedimentary and volcanic rocks. Skarn and hornfels zones are locally developed.

Lower Jurassic(?) diorite and andesite dykes and sills cut the pendant rocks at several localities. They are most numerous in the Iron Horse area where they may be swarming outwards from a small source stock of quartz diorite to the east.



LEGEND

- 20 O? Coryell syenite, granite
- 19 E/O Andesite, trachyte flows
- 17 P/E Conglomerate, sandstone, shale
- 16 K? Valhalla granite, granodiorite
- 15 K? Nelson diorite to granodiorite
- 12 U_R Nicola Group argillite, sandstone, limestone, greenstone

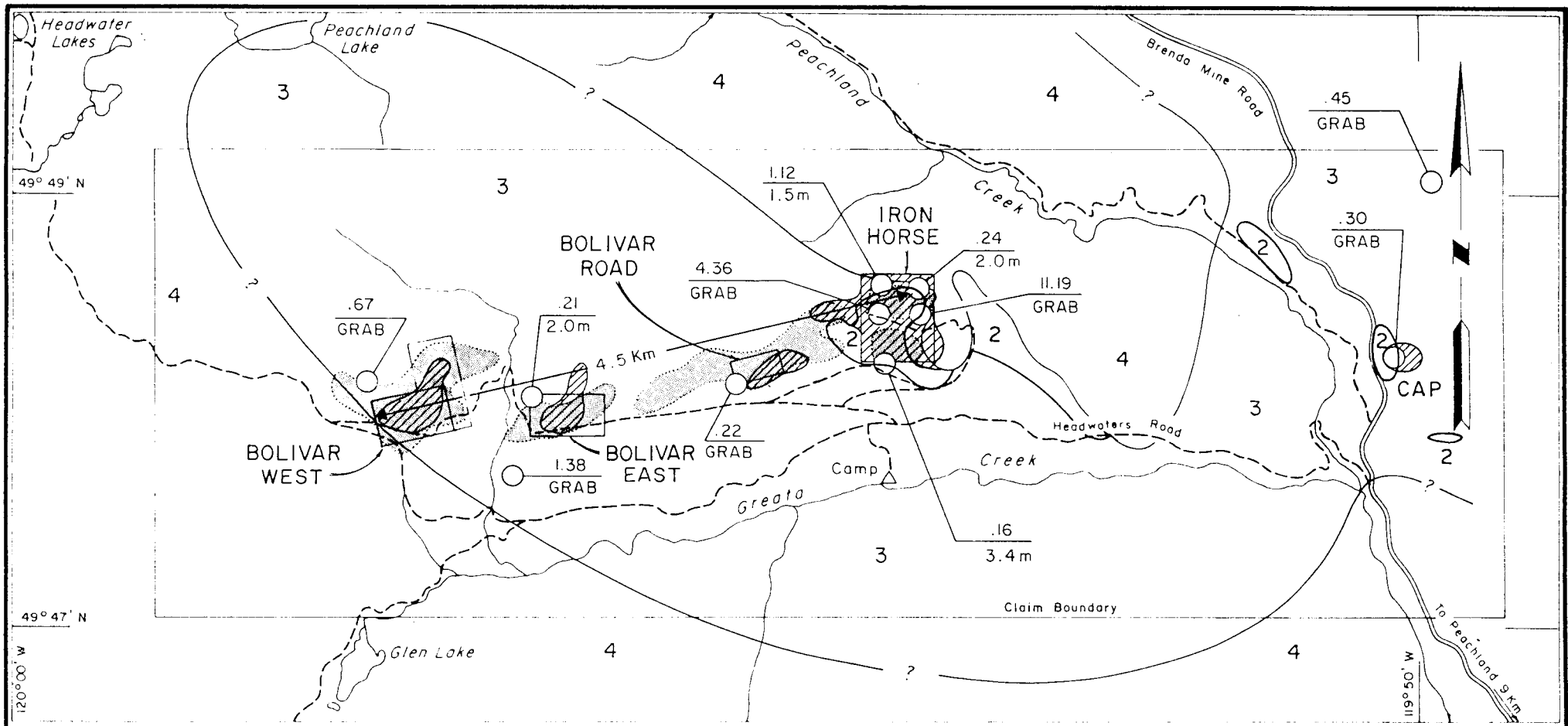
FAIRFIELD MINERALS LTD.
REGIONAL GEOLOGY
OKA PROPERTY
SOUTH OKANAGAN AREA

OSOYOOS MINING DIVISION, B.C., N.T.S. 82E/13W

Scale 1 : 250,000



NOTE:
From GSC Map 15-1961



LEGEND

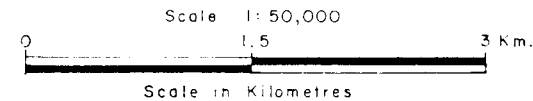
- 4 GRANODIORITE
- 3 GREENSTONE, ARGILLITE, MINOR LIMESTONE
- 2 LIMESTONE AND SKARN
- Au SOIL GEOCHEMISTRY ANOMALY
- 1987 TRENCHING AREA
- GOLD SHOWING: $\frac{\text{oz/Ton Au}}{\text{Sample Length}}$
- 1988 AREA OF REVERSE CIRCULATION DRILLING



OKA PROPERTY

FAIRFIELD MINERALS LTD.
 COMPILATION MAP
 OKA GOLD PROPERTY
 SOUTH OKANAGAN AREA

N.T.S. 82E/13W OSOYOOS MINING DIVISION, B.C.



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

FEBRUARY 1989

FIGURE 4

10-

GEOLOGY

Property Geology & Mineralization (continued)

The southwest, southeast and north-central portions of the property are underlain by plutonic rocks of probable Cretaceous age. The igneous bodies are predominantly diorite to granodiorite in composition.

Strong fracturing and jointing are evident in brittle hornfelsed rocks and folding has been observed locally in carbonate exposures. Northeast trending structures are common, and quartz veins and veinlets seen in outcrops often have the same northeast strike. A major anticline is believed to underlie the ridge in the Iron Horse area with the fold axis plunging shallowly to the northwest.

Gold mineralization has been located in a number of widely separated areas on the property and occurs in several different modes. It is found in massive sulphide lenses consisting mainly of pyrite and pyrrhotite with lesser amounts of arsenopyrite, chalcopyrite and sphalerite; in sulphide-poor garnetite skarn; in pyritic, bleached diorite; and in quartz-arsenopyrite veins. Fine visible gold has been identified in marble containing minor disseminated arsenopyrite.

5.0

R O A D B U I L D I N G

A total of 2.51 kilometres of four-wheel drive road was constructed to provide access to the drill sites. This included 1430 metres in the Iron Horse area, 420 metres in the Bolivar West area, 630 metres in the Bolivar Road area and 30 metres in the Cap area (Figure 4). A Caterpillar D8K bulldozer was leased with operator from W. Dobbin Construction Ltd. of Kelowna to build the roads and drill sites. Erosion control measures and grooming will be completed on the disturbed areas during the 1989 field season in order to meet standard environmental requirements.

6.0 REVERSE CIRCULATION DRILLING

6.1 OPERATIONS

A reverse circulation drill program comprising forty-four holes totalling 6031.3 metres was completed on the Oka property between April 30 and July 19, 1988. Work was done by Westrail Construction Ltd. of Delta, B.C. utilizing a track-mounted Drilteck D50K rotary drill rig that had been converted to a reverse circulation system which produced an eleven centimetre hole. The drill was operated for one twelve-hour shift daily, from April 30 to May 30 and for two ten-hour shifts from May 31 to July 19. The average drilling rate was 69.7 metres per twelve-hour shift and 41 metres per ten-hour shift, including moves.

A summary of the 1988 drilling follows: Iron Horse, 3429.38 metres in 25 holes; Bolivar West, 808.25 metres in 6 holes; Bolivar East, 758.81 metres in 6 holes; Bolivar Road, 701.04 metres in 5 holes; Cap 343.82 metres in 2 holes. Table 2 details all of the drilling data.

Holes 36, 37 and 43 were abandoned due to bad ground, however, in most the drilling conditions were good. The majority of the holes returned water at a shallow depth. Drill chip recovery varied substantially throughout the program. Recovery was poor at the top of the water table and below strongly fractured zones where chips would pack into the fracture cavities up hole rather than being blown to surface.

6.2 SAMPLING AND ANALYSIS PROCEDURES

A three-tier riffle splitter was used to reduce the drill chips to 12.5% of the original volume. After splitting, continuous chip samples were collected at 1.52 metre intervals throughout the entire length of the holes. Each of these samples was labelled as described in Appendix "B" of this report.

A small representative sample, weighing approximately 100 grams, was taken from each 1.52 metre interval to be examined for geological logging. Each of these samples was labelled according to hole number and depth. They are stored at the camp site on the Oka property. The remaining portions of the samples, which averaged 4.7 kilograms, were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. to be analyzed for gold.

Table 2

OKA PROPERTY 1988
REVERSE CIRCULATION DRILL SUMMARY RECORD

HOLE NO.	NORTHING	EASTING	ELEV'M	SECTION	INCLINATION	AZIMUTH	CASING	CLAIM	REC'Y	DATE START	DATE FINISH	AREA	DEPTH	TOTAL
			■		degrees	degrees	■		§				■	■
								IRON						
OK88-1	520860.4	291734.1	1341.0	91742 E	-90	0	1.2	HORSE		APR 30	MAY 2	Iron Horse	151.64	151.64
-2	520908.6	291640.6	1354.7	91641 E	-90	0	1.2	" "		MAY 2	MAY 5	" "	141.12	292.76
-3	520959.6	291541.0	1358.2	91542 E	-90	0	0.8	" "		MAY 5	MAY 7	" "	152.10	444.86
-4	521060.6	291543.7	1346.0	91542 E	-90	0	0.8	" "		MAY 8	MAY 9	" "	121.31	566.17
-5	521094.5	291512.7	1345.4	91542 E	-55	351	0.6	" "		MAY 10	MAY 13	" "	102.11	668.28
-6	521060.5	291735.5	1304.0	91742 E	-90	0	1.2	" "		MAY 13	MAY 14	" "	45.70	713.98
-7	521011.8	291840.0	1296.6	91837 E	-90	0	3.1	" "		MAY 14	MAY 15	" "	92.96	806.94
-8	521059.1	291943.7	1277.2	521060N	-90	0	0.6	" "		MAY 15	MAY 16	" "	78.64	885.58
-9	521037.7	291797.6	1295.8	91798E	-55	0	0.6	" "		MAY 16	MAY 17	" "	120.40	1005.98
-10	520959.4	291746.9	1327.6	91742 E	-90	0	0.6	" "		MAY 18	MAY 19	" "	73.20	1079.18
-11	520987.9	291635.0	1349.0	91641 E	-90	0	0.6	" "		MAY 19	MAY 20	" "	118.87	1198.05
-12	521017.3	291353.4	1381.4	521023N	-90	0	0.6	" "		MAY 20	MAY 22	" "	151.94	1349.99
-13	521028.0	291178.7	1392.3	521023N	-90	0	0.6	" "		MAY 22	MAY 24	" "	151.20	1501.19
-14	520781.6	291817.1	1320.0	91837 E	-90	0	1.5	" "		MAY 24	MAY 25	" "	94.49	1595.68
-15	520857.8	291550.2	1314.9	91542 E	-90	0	0.6	" "		MAY 26	JUN 9	" "	213.40	1809.08
-16	520804.7	291638.6	1298.5	91641 E	-90	0	0.6	" "		MAY 28	JUN 8	" "	213.40	2022.48
-17	520767.9	291743.4	1301.4	91742 E	-90	0	0.6	" "		MAY 30	MAY 31	" "	137.16	2159.64
-18	520698.3	291794.1	1281.7	D-D'	-90	0	0.6	" "		MAY 31	JUN 1	" "	130.61	2290.25
-19	520749.9	291644.5	1276.1	91641 E	-90	0	0.6	" "		JUN 1	JUN 4	" "	194.62	2484.87
-20	520764.9	291546.9	1271.0	91542 E	-90	0	0.6	" "		JUN 5	JUN 6	" "	213.06	2697.93
-21	521098.7	291509.7	1344.0	91542 E	-90	0	0.9	" "		JUN 9	JUN 10	" "	131.06	2828.99
-22	521064.2	291630.7	1329.1	91641 E	-90	0	0.6	" "		JUN 11	JUN 11	" "	42.67	2871.66
-23	520658.4	291641.2	1224.7	91641 E	-90	0	0.6	" "		JUN 11	JUN 13	" "	200.71	3072.37
-24	520650.9	291542.2	1205.2	91542 E	-90	0	0.6	" "		JUN 16	JUN 17	" "	194.61	3266.98
-25	520379.92	287809.75	1330.90	D-D'	-90	0	1.2	OKA 8		JUN 18	JUN 20	Bolivar West	195.60	3462.58
-26	520498.93	287759.64	1354.11	B-B'	-90	0	0.6	OKA 9		JUN 20	JUN 21	Bolivar West	121.92	3584.50
-27	520789.08	287766.02	1378.02	A-A'	-90	0	0.6	OKA 9		JUN 21	JUN 22	Bolivar West	121.92	3706.42
-28	520533.21	287666.01	1382.59	A-A'	-90	0	0.6	OKA 9		JUN 22	JUN 23	Bolivar West	121.92	3828.34
-29	520456.34	287611.54	1381.59	A-A'	-90	0	0.6	OKA 9		JUN 23	JUN 24	Bolviar West	124.97	3953.31
-30	520378.81	287529.15	1368.99	A-A'	-90	0	0.6	OKA 9		JUN 24	JUN 25	Bolviar West	121.92	4075.23

NOTE: DRILL DOUBLE SHIFTED (20 HOURS/DAY) STARTING MAY 30.

Table 2: OKA PROPERTY 1988

REVERSE CIRCULATION DRILL SUMMARY RECORD Continued

HOLE NO.	NORTHING	EASTING	ELEV'N	SECTION	INCLINATION	AZIMUTH	CASING	CLAIM	REC'Y	DATE START	DATE FINISH	AREA	DEPTH	TOTAL
			■		degrees	degrees	■		§				■	■
OK88-31	520621.66	288843.80	1343.3	520622 N	-90	0	0.6	OKA 7		JUN 26	JUN 28	Bolivar East	172.06	4247.29
-32	520201.02	288799.58	1268.85	C-C'	-90	0	0.6	OKA 8		JUN 28	JUN 29	" "	181.36	4428.65
-33	520299.42	288653.48	1281.34	C-C'	-90	0	0.6	OKA 8		JUN 29	JUN 29	" "	126.49	4555.14
-34	520282.81	288738.64	1287.49	C-C'	-90	0	0.6	OKA 8		JUN 30	JUN 30	" "	120.40	4675.54
-35	520170.53	288758.19	1263.42	D-D'	-90	0	1.5	OKA 8		JUN 30	JUL 1	" "	121.92	4797.46
-36	520169.30	288756.38	1263.43	D-D'	-55	250	2.0	OKA 8		JUL 1	JUL 2	" "	36.58	4834.04
-37	520522.20	290328.21	1253.46	A-A'	-90	0	1.2	OKA 7		JUL 3	JUL 5	Bolivar Road	36.58	4870.62
-37A	520522.58	290330.59	1253.46	A-A'	-90	0	2.1	OKA 7		JUL 5	JUL 7	" "	146.30	5016.92
-38	520563.63	290395.86	1269.67	A-A'	-90	0	3.1	OKA 7		JUL 7	JUL 9	" "	182.88	5199.86
-39	520628.54	290478.31	1298.74	A-A'	-90	0	1.2	OKA 7		JUL 10	JUL 11	" "	152.40	5352.50
-40	520682.62	290781.85	1228.57	520683 N	-90	0	1.2	OKA 7		JUL 11	JUL 12	" "	182.88	5535.08
-41	521108.07	291455.14	1352.29	B-B'	-55	0	1.2	IRON HORSE		JUL 13	JUL 14	Iron Horse	152.40	5687.48
-42	520637.02	295834.17	1019.02	A-A'	-90	0	0.9	CAP		JUL 15	JUL 16	Cap	171.91	5859.39
-43	520581.06	295810.79	1004.07	A-A'	-90	0	0.9	CAP		JUL 16	JUL 19	Cap	171.91	6031.30

Reverse Circulation Drilling
Sampling and Analysis Procedures Continued

At the lab 0.2 kgm of chips from each sample were ground to minus 100 mesh and a 20 gram cut was collected. This was then ignited to 600 degrees Celsius and digested with hot aqua regia. The gold was extracted by MIBK (methyl isobutyl ketone) and then analyzed by graphite furnace atomic absorption. Samples with values above 1000 ppb were then fire assayed on a new cut from the pulp to more accurately determine gold content. A total of 3,903 drill chip samples were analyzed for gold.

Chips from each 1.52 metre interval were examined under a microscope and logged in detail. Summary logs for each hole are found in Appendix "A" of this report. Detailed logs are on file at the office of Cordilleran Engineering Ltd.

Table 3: OKA PROJECT - SUMMARY OF SIGNIFICANT DRILL CHIP SAMPLE RESULTS

<u>Area</u>	<u>Hole No.</u>	<u>Sample No.</u>	<u>Depth (metres)</u>	<u>Analysis</u> <u>Au ppb</u>	<u>Assay</u> <u>Au oz/ton</u>
Iron Horse:	1	88-1 -4	4.6 - 6.1	671	
	2	88-2 -22	32.0 - 33.5	590	
	4	88-4 -49	73.2 - 74.7	305	
	4	88-4 -66	99.1 - 100.6	1440	0.05
	4	88-4 -67	100.6 - 102.1	335	
	4	88-4 -77	115.8 - 117.4	335	
	5	88-5 -42	62.5 - 64.0	550	
	5	88-5 -43	64.0 - 65.5	320	
	5	88-5 -46	68.6 - 70.1	1560	0.03
	5	88-5- 47	70.1 - 71.6	5230	0.14
	5	88-5- 48	71.6 - 73.2	750	
	5	88-5- 49	73.2 - 74.7	7450	0.01 to 0.02*
	5	88-5- 51	76.2 - 77.7	520	
	5	88-5- 56	83.8 - 85.3	320	
	5	88-5- 59	88.4 - 89.9	1390	0.04
	5	88-5- 60	89.9 - 91.4	345	
	5	88-5- 62	93.0 - 94.5	950	
	6	88-6- 11	15.2 - 16.7	505	
	14	88-14-17	24.4 - 25.9	845	
	15	88-15-102	153.9 - 155.4	5925	0.15
	15	88-15-103	155.4 - 157.0	3220	0.10
	15	88-15-104	157.0 - 158.5	560	
	15	88-15-108	161.3 - 164.6	330	
	15	88-15-111	167.6 - 169.2	390	
	16	88-16-4	4.5 - 6.1	625	
	16	88-16-5	6.1 - 7.6	285	
	16	88-16-94	141.7 - 143.3	1290	0.001 to 0.003*
	16	88-16-125	189.0 - 190.5	1080	0.03
	16	88-16-127	192.0 - 193.5	670	
	16	88-16-132	199.6 - 201.2	320	
16	88-16-140	211.8 - 213.4	3430	0.11	

*assay results varied

Table 3: SUMMARY OF SIGNIFICANT DRILL CHIP SAMPLE RESULTS Continued

<u>Area</u>	<u>Hole No.</u>	<u>Sample No.</u>	<u>Depth (metres)</u>	<u>Analysis</u>		<u>Assay</u>	
				<u>Au</u>	<u>ppb</u>	<u>Au oz/ton</u>	
Iron Horse:	19	88-19-27	39.6 - 41.2	1020		0.03 to 0.05	
	19	88-19-80	120.4 - 121.9	420			
	20	88-20-3	3.0 - 4.6	390			
	20	88-20-27	39.6 - 41.2	570			
	20	88-20-28	41.2 - 42.7	810			
	20	88-20-33	48.7 - 50.3	610			
	20	88-20-59	88.4 - 88.9	315			
	20	88-20-67	100.6 - 102.1	615			
	20	88-20-68	102.1 - 103.6	295			
	20	88-20-74	111.2 - 112.8	295			
	20	88-20-76	114.3 - 115.8	355			
	20	88-20-77	115.8 - 117.4	310			
	20	88-20-78	117.4 - 118.9	1570		0.05	
	20	88-20-79	118.9 - 120.4	2580		0.08	
	20	88-20-80	120.4 - 121.9	12045		0.39 to 0.44	
	20	88-20-81	121.9 - 123.4	5780		0.15	
	20	88-20-82	123.4 - 125.0	285			
	20	88-20-84	126.5 - 128.0	305			
	21	88-21-68	102.1 - 103.6	850			
	21	88-21-69	103.6 - 106.2	360			
	21	88-21-71	106.7 - 108.2	270			
	21	88-21-72	108.2 - 109.7	360			
	21	88-21-73	109.7 - 111.2	305			
	21	88-21-79	118.9 - 120.4	3420		0.10	
	21	88-21-80	120.4 - 121.9	660			
	21	88-21-82	123.4 - 125.0	530			
	21	88-21-85	128.0 - 129.5	295			
	Bolivar West:	25	88-25-128	193.6 - 195.1	405		
		26	88-26-69	103.6 - 105.2	14330		0.11 to 0.41
		26	88-26-70	105.2 - 106.7	535		
26		88-26-71	106.7 - 108.2	521			
27		88-27-9	12.2 - 13.7	590			
27		88-27-12	16.7 - 18.3	675			
27		88-27-20	29.0 - 30.5	380			
27		88-27-32	47.2 - 48.7	693			
27		88-27-33	48.7 - 50.2	412			
27		88-27-58	86.9 - 88.5	540			
27		88-27-69	103.6 - 105.2	290			
28		88-28-4	4.6 - 6.1	525			
28		88-28-12	16.7 - 18.3	550			
28		88-28-35	51.8 - 53.3	480			
29		88-29-38	56.4 - 57.9	430			
29		88-29-47	70.1 - 71.6	410			
30		88-30-19	27.4 - 29.0	550			

Table 3: SUMMARY OF SIGNIFICANT DRILL CHIP SAMPLE RESULTS Continued

<u>Area</u>	<u>Hole No.</u>	<u>Sample No.</u>	<u>Depth (metres)</u>	<u>Analysis</u>		<u>Assay</u>
				<u>Au</u>	<u>ppb</u>	<u>Au oz/ton</u>
Bolivar East:	31	88-31-2	1.5 - 3.0	3380		0.06
	31	88-31-3	3.0 - 4.6	430		
	32	88-32-2	1.5 - 3.0	480		
	32	88-32-6	7.6 - 9.1	355		
	32	88-32-7	9.1 - 10.7	325		
	32	88-32-31	45.7 - 47.2	1520		0.05
	32	88-32-32	47.2 - 48.7	650		
	32	88-32-89	134.1 - 135.6	7070		0.04 to 0.54*
	32	88-32-90	135.6 - 137.2	360		
	34	88-34-4	4.6 - 6.1	305		
	34	88-34-7	9.1 - 10.7	1040		0.01 to 0.06
	34	88-34-30	44.2 - 45.7	355		
	Bolivar Road:	37	88-37-12	16.7 - 18.3	760	
37A		88-37A-18	25.9 - 27.4	505		
39		88-39-6	7.6 - 9.1	520		
39		88-39-7	9.1 - 10.7	395		
39		88-39-12	16.7 - 18.3	592		
39		88-39-16	22.9 - 24.4	2032		0.06
Iron Horse:	41	88-41-32	47.2 - 48.7	1880		0.06

*assay results varied.

Assay Averages

<u>Hole No.</u>	<u>Averaged Interval</u>	<u>Interval (m)</u>	<u>Average Au oz/ton</u>
15	153.9 - 157.0	3.1	0.13
20	117.4 - 123.6	6.0	0.17
20	120.4 - 123.4	3.0	0.27

6.3 DRILL CHIP LITHOLOGIES

The Oka stratigraphy has been compiled from outcrop and trench mapping conducted in 1986 and 1987. Small reverse circulation drill chips, varying in size from 1 mm to 3 cm, precluded the definition of any large scale features such as bedding, cross cutting relationships, fractures, faults or large textural features in the drill holes. Descriptive terms were used as much as possible for the chip logging except where the microscopic features of the rock clearly defined its type. A descriptive code may be common to more than one stratigraphic unit (Ref: Table 5) because of the logger's inability to distinguish rock type without reference to large textural or crosscutting relationships.

Following are descriptions of the lithologic units, and code names, used to log the drill chip samples. The field description of the representative sample is followed by the petrographic description. Petrographic reports are attached in Appendix "C".

Table 4: DRILL CHIP LITHOLOGICAL CODES

FLD	FELDSPAR PORPHYRY - tan, fine grained siliceous matrix with 2 to 20 percent disseminated chlorite hosting 2 to 5 percent .2 to .7 mm phenocrysts(?) of feldspar and or quartz. <u>Petrographic analysis</u> - porphyritic andesite, metamorphosed andesite, dacite and skarn.
GDR	GRANODIORITE - light grey, medium grained, intergrown quartz and feldspar with 2 to 10 percent locally chloritized biotite. Trace disseminated pyrite. Not petrographically analyzed.
DIO	DIORITE - medium greyish green, fine to medium grained feldspar and quartz with 10 to 20 percent partially chloritized biotite and other mafic minerals. Trace disseminated pyrite. Not petrographically analyzed.
AND	ANDESITE - dark to medium green, fine grained, massive, sometimes containing .2 to .5 mm grains of feldspar or augite. Usually trace disseminated pyrite. <u>Petrographic analysis:</u> porphyritic, amygdaloidal andesite.
XTF	CRYSTAL TUFF - white to light grey, fine grained siliceous matrix containing 10 to 40 percent .3 to 1.5 mm feldspar laths or quartz grains. <u>Petrographic analysis:</u> metamorphosed andesite with quartz rich patches of uncertain origin; diopside, garnet, quartz skarn.
SLT	SILTSTONE - black, carbonaceous, locally calcareous to weakly siliceous. Not petrographically analyzed.
HNF	HORNFELS - black to medium grey to maroon, very fine grained, siliceous. Not petrographically analyzed.
FGS	FINE GRAINED SILICEOUS ROCK - white to light grey, very fine grained, siliceous. The type rock was seen interbedded with siltstones of the Upper Nicola group. Possibly a tuff. FGSB when containing 1-5% red biotite. Not petrographically analyzed.
MGS	MEDIUM GRAINED SILICEOUS ROCK - white to light grey, .1 to .5 mm grain size, siliceous. <u>Petrographic analysis:</u> quartz, garnet, diopside, ankerite skarn; metamorphosed and replaced porphyritic andesite.
SKN	SKARN - grey, green, brown or pink, medium grained with garnet, pyroxene, local epidote, calcite and wollastonite. Not petrographically analyzed.
MBL	MARBLE - light to dark grey, medium grained with abundant calcite veinlets. Not petrographically analyzed.
MS	MASSIVE SULPHIDE - dominantly pyrite and pyrrhotite with minor chalcopyrite and sphalerite. Commonly contains 10-30% skarn. Not petrographically analyzed.

Drill Chip Lithologies Continued

Below is the stratigraphic sequence of rocks mapped on the Oka property during the 1987 trenching program. Each rock description is followed by the drill chip lithological code which may belong to that stratigraphic member.

Table 5 PROPERTY STRATIGRAPHY

TERTIARY

Quartz-feldspar porphyry; dikes of granite(?) composition, which may be part of the Coryell Intrusions. FLP.

CRETACEOUS

Nelson Plutonic Rocks

Granodiorite to diorite, minor aplitic phases; massive, medium to coarse grained with local moderate to strong quartz sericite alteration. GDR, DIO.

JURASSIC

Andesite dike or sill; well fractured, blocky, fine grained, AND.

Diorite dike or sill; well fractured, blocky, medium grained with local moderate to strong sericite alteration. DIO, FGSB.

TRIASSIC

Nicola Group

Andesite to basalt; dark green, massive to weakly flow-banded, finely to coarsely crystalline with abundant feldspar and augite phenocrysts. Commonly strongly sheared and chlorite-altered. AND, XTF, FGS, HNF, FLD.

Heterolithic slump breccia; contains subrounded to subangular fragments or clasts to .5 m of marble, chert, skarn and siltstone. SLT, MBL, FGS.

Siltstone: black calcareous to siliceous (hornfels) with local tuffaceous siltstone, chert pebble conglomerate, calc-silicate hornfels and greywacke. Often interbedded with volcanic or carbonate rocks. SLT, HNF, FGS.

Skarn: massive, coarse grained, predominantly red-brown garnet with pyroxene and local epidote, calcite and wollastonite. SKN, MGS, XTF.

Marble; light to dark grey, locally fossiliferous, poorly preserved bedding, locally strongly fractured with abundant white calcite veinlets. MBL.

Reverse Circulation Drilling Continued

6.4 RESULTS

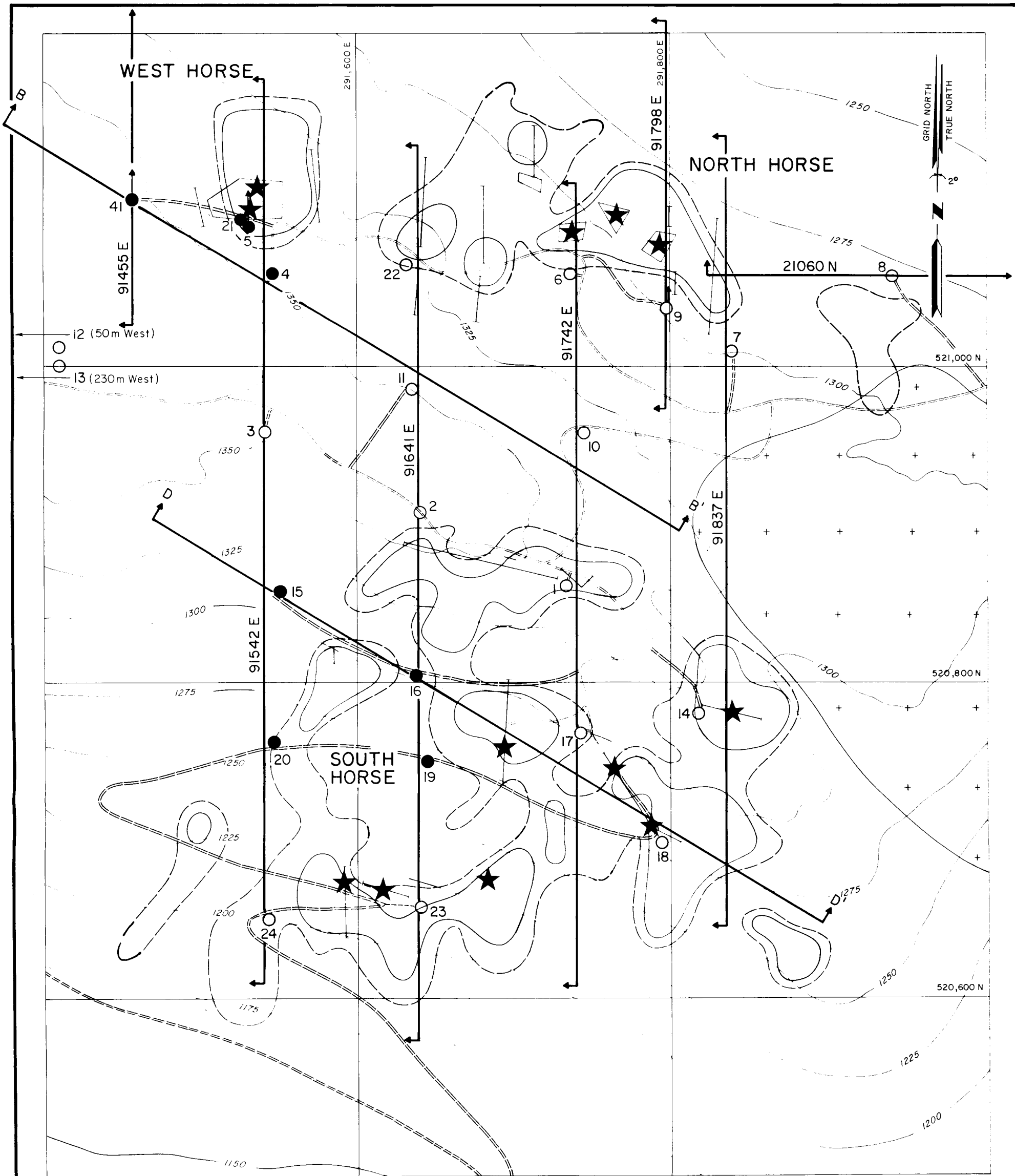
The reverse circulation drilling was undertaken to test trench, soil geochemical and prospecting targets outlined during the 1986 and 1987 programs. A drill grid spaced on approximately 100 m centres was established over the Iron Horse area and specific targets were drilled in four other locales.

6.4.1 Iron Horse Area (Figure 5, Plates 1-10)


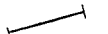
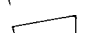

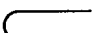
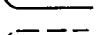
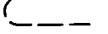



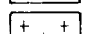
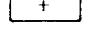

The Iron Horse area is underlain by siltstones, marbles and skarns of the Lower Nicola group. Gold bearing skarns were exposed by trenching during 1987 on both sides of a southeast trending ridge. A grid pattern of drill holes was laid out to test for a mineralized skarn horizon(s) extending under the ridge from the South Horse showings to the North and West Horse showings. Holes were drilled vertically except for numbers 5, 9 and 41 which were angled at -55° to the north to pass under surface exposures of massive sulphides and to test for steeply dipping mineralized structures. Drill hole locations, as well as gold showings and geochemical anomalies, are illustrated on Figure 5. Drill chip analytical results and geological interpretations are shown on ten vertical sections (Plates 1-10).

Drilling defined a general pattern of alternating zones of skarn and marble cut by diorite dykes and underlain by diorite and granodiorite. The skarn horizons correlate moderately well between drill holes and may be metasomatized beds of impure limestones which were more susceptible to skarnification than clean limestones. Bedding in surface exposures indicates a dip slope on the south side of the Iron Horse ridge. This forms the southern limb of an anticline with the axis dipping roughly 10° to the west along the ridge. Younger, hornfelsed volcanics, interbedded with andesite and skarn were intersected on the west side of the drill grid in holes 12 and 13 confirming the northwest plunge of the anticlinal structure. The north limb of the anticline is poorly defined and appears to be turned up into a smaller scale synform as shown in section 91542E (Plate 5).

Mineralization: Gold results greater than 500 ppb Au were returned from samples of skarn, diorite, marble and granodiorite, all with trace to minor pyrite (table 6). The best value, 0.436 oz/t Au over 1.52 m, was from a sample of pink skarn in hole OK88-20, containing four percent disseminated and massive pyrite. No visible gold was seen in the drill chips, however, some was found in the North Horse stripped area in 1987. Bar graphs of the gold values plotted on the drill sections indicate that elevated values are locally correlatable between holes suggesting that the mineralization is related to skarn horizons and not necessarily to vertical structural features.



LEGEND

-  Drill Section Location
-  1987 Trench
-  1987 Strip Area
-  ≥ 50 ppb Au in Soil
-  ≥ 20 ppb Au in Soil
-  Gold Showing ≥ 0.05 oz/ton Au in grab or chip sample
-  Marble and skarn; diorite dikes and sills
-  (Quartz) diorite
-  1988 reverse circulation drill hole
-  1988 reverse circulation drill hole - with values >1000 ppb Au
-  Access road
-  Topographic contour in metres
-  UTM grid co-ordinates

NOTE

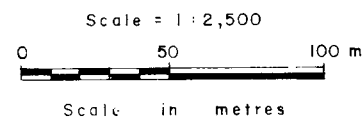
See Table 2 for Drill Hole Depth.
 Drill Holes No. 12 and 13 are on Section 21023N.

FAIRFIELD MINERALS LTD.

OKA PROPERTY
 IRON HORSE AREA

1988 DRILL PLAN

OSOYOOS MINING DIVISION, BRITISH COLUMBIA
 N.T.S. 82E/13W



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

FEBRUARY 1989

FIGURE 5

Reverse Circulation Drilling
RESULTS Continued

Association of sulphides with strong gold values has been noted but is not essential. Pyrite was the dominant sulphide noted, usually occurring disseminated in the wallrock. Massive sulphide pods were mapped on surface and large concentrations of sulphide chips were recorded in holes OK 88-4 and 88-16 comprising pyrite, pyrrhotite, arsenopyrite and chalcopyrite. Low gold results were returned from the drill intersected massive sulphide zones.

**Table 6: IRON HORSE AREA
SIGNIFICANT VALUES WITH ASSOCIATED ROCK TYPES AND SULPHIDES**

<u>Hole #</u>	<u>Sample #</u>	<u>Au ppb</u>	<u>Rock Types*</u>	<u>Sulphides and Vein Minerals</u>
1	88-1-4	671	SKN,	Trace Py
2	88-2-22	590	SKN	2% Py
4	88-4-66	1440	DIO, SKN	Trace Py
5	88-5-42	550	MBL, SKN	4% Py
5	88-5-46	1560	SKN	1% Py, 7% Qtz, 3% Cal
5	88-5-47	5230	SKN, HNF	.5% Py, 2% Qtz, 2% Cal
5	88-5-48	750	SKN	Trace Py
5	88-5-49	7450	SKN	Trace Py, 2% Cal
5	88-5-51	520	SKN	0.2% Py
5	88-5-59	1390	DIO, SKN	Trace Py
5	88-5-62	950	DIO	Trace Py
6	88-6-11	505	DIO, GDR	Trace Py, Abundant FeO
14	88-14-17	845	GDR, AND	0.2% Py, Trace Cp
15	88-15-102	5925	SKN, GDR	0.5% Py
15	88-15-103	3220	GDR, SKN	Trace Py, Trace Cp, Trace Cal
15	88-15-104	560	GDR, SKN	Trace Py
16	88-16-5	625	DIO, SKN	Trace Py
16	88-16-94	1290	MBL, SKN	1% Py
16	88-16-125	1080	DIO, SKN	0.2% Py, 2% Cal
16	88-16-127	670	SKN, DIO	Trace Py
16	88-16-140	3460	MBL, SKN	1% Py
19	88-19-27	1020	DIO, SKN	Trace Py
20	88-20-27	570	SKN, MBL	Trace Py
20	88-20-28	810	SKN, MBL	Trace Py
20	88-20-33	610	SKN	Trace Py
20	88-20-67	615	SKN, DIO	Trace Py
20	88-20-78	1570	SKN, DIO	Trace Py
20	88-20-79	2580	SKN	8% Py
20	88-20-80	12045	SKN	4% Py, Trace Cpy
20	88-20-81	5780	SKN, MBL	2% Py
21	88-21-68	850	SKN, DIO	Trace Py
21	88-21-79	3420	DIO, SKN	Trace Py
21	88-21-80	660	DIO, SKN	Trace Py
21	88-21-82	530	DIO	Trace Py
41	88-41-32	1880	SKN	Trace Py

*Rock codes are described in lithology section. Refer to Table 4.

Reverse Circulation Drilling
RESULTS - Iron Horse Area Continued

Section Descriptions:

Section 291837 E (Plate 1)

Holes 7 and 14 were drilled to test for the extension to depth of skarn hosted mineralization encountered in the North and South Horse trench areas. Quartz diorite was intersected in both drill holes locating the flanks of the quartz diorite body exposed on surface in the centre of the section. The best result was 345 ppb Au /1.52 m in hole 14 from a sample of quartz diorite. Bar graphs illustrate a moderate intrusive-gold relationship.

Section 291798 E (Plate 2)

Hole 19 was drilled to test continuity to depth of gold mineralization found at the skarn-marble contact in the North Horse stripped area. Skarn was intersected but no significant values nor marble were found.

Section 291742 E (Plate 3)

Hole 6 was drilled to test for the extension of sulphide hosted mineralization found in the North Horse stripped area at the diorite-marble contact. The marble was not intersected and probably dips to the north, however, significant values were returned from the diorite. The domal shape of the intrusive body continues from Section 291837 E. The best result returned from the drill holes on this section was 671 ppb Au/1.52 metres from a sample of skarn with trace disseminated pyrite. An association between elevated gold values and skarn-marble in proximity to intrusives is defined by the bar graphs.

Section 291641 E (Plate 4)

A general pattern of two skarn horizons separated by marble dipping to the south is shown in this section. The attitude of the skarn marble contact is roughly parallel to the south slope of the Iron Horse ridge and is consistent with dip measurements taken on surface. Elevated gold values appear to be associated with skarn horizons in proximity to diorite dykes. The highest values, 1290 ppb Au/1.52 m and 3430 ppb Au/1.52 m, were from samples of mixed marble and skarn with minor pyrite from hole 16.

Section 291542 E (Plate 5)

Holes 4, 5 and 21 were drilled to test the continuity and grade of skarn hosted mineralization found in the West Horse stripped area. A smaller scale syncline was defined on the north limb of the Iron Horse anticline. The general pattern of two skarn horizons separated by a marble zone defined in the sections to the east is evident here. The sulphide and skarn hosted mineralization exposed on surface was not encountered in the upper skarn unit in the drill holes, however, strong gold values were returned from the lower skarn and diorite. Values are more continuously high in the diorite than in the skarn. Massive sulphides intersected in hole 4 returned weak gold values. The skarn-marble-skarn pattern is confirmed in the south limb of the anticline in all holes except 24 where skarn development is much more restricted. Elevated gold values in the south limb appear to be associated with skarn in proximity to diorite dykes.

Reverse Circulation Drilling
RESULTS - Iron Horse Area Continued

Section 291455 E (Plate 6)

Hole 41 was drilled to test the western extension of mineralization found in holes 4, 5, 21 and in the West Horse stripped area. An isolated high value of 1880 ppb Au/1.52 m was returned from a sample of skarn with 2% diorite chips.

Section 521023 N (Plate 7)

Holes 12 and 13 were drilled to test a soil geochemical anomaly to the west of the Iron Horse area. Stratigraphic units overlying those found in the Iron Horse area were intersected. No intrusive rocks were encountered. No significant gold values were returned.

Section 521060 N (Plate 8)

Hole 8 was drilled to test a soil geochemical anomaly along the north edge of the quartz diorite stock: Marble, skarn, diorite and granodiorite were intersected but no significant values were returned.

Section B-B' (Plate 9)

This is a diagonal section trending 301 degrees and looking northeast, illustrating the shallow dip of the Iron Horse anticlinal axis to the west. The skarn-marble-skarn-intrusive sequence is evident in holes 21, 4 and 11.

Section D-D' (Plate 10)

This is a diagonal section oriented 301 degrees, looking northeast through the South Horse area. The skarn horizons are not as clearly continuous across this section. Mineralization appears to occur generally in skarn and at skarn-marble contacts in proximity to diorite dykes. The best value returned was 5925 ppb Au/1.52m from a sample of mixed skarn and granodiorite with 0.5% Py.





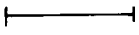
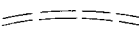

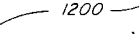


6.4.2 BOLIVAR WEST AREA

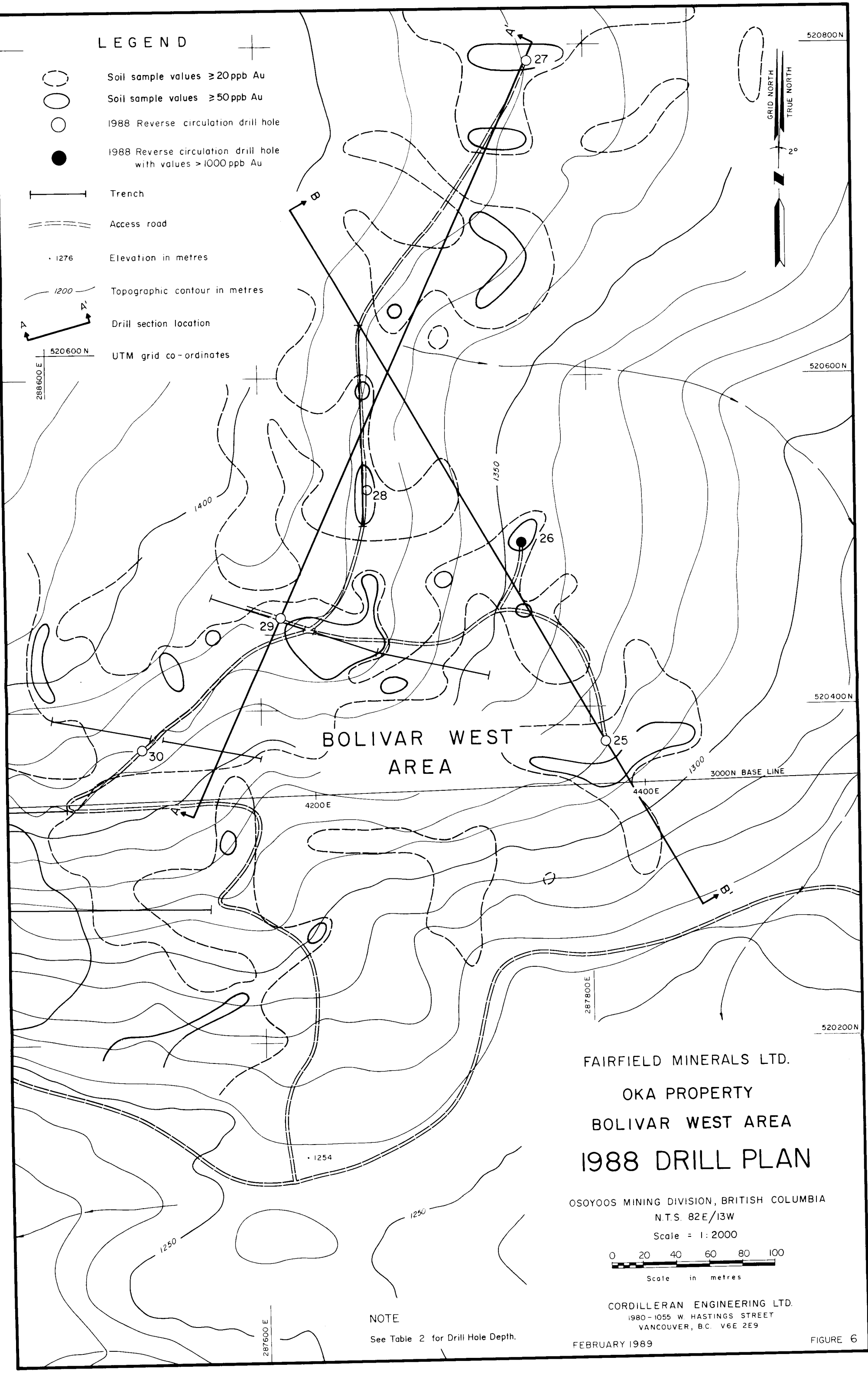
The Bolivar West area is underlain by Nicola Group andesitic and dacitic volcanics with lesser interbedded hornfelsed sediments and skarn. Cretaceous granodiorite to diorite lies immediately to the southwest and dykes of similar composition are common.

Six vertical holes were drilled to test various gold soil geochemical anomalies and weak gold mineralization in strongly fractured, quartz veined volcanic rocks exposed in trenches. Drill hole locations, as well as soil geochemical anomalies, are plotted on Figure 6. Significant analytical results and geological interpretations are shown on two vertical sections (Plates 11 and 12).

Bedding measurements taken on surface dip steeply to the southeast. Correlation of siltstone horizons between drill holes indicates conflicting bedding attitudes dipping moderately to the southeast and northeast.


LEGEND

-  Soil sample values ≥ 20 ppb Au
-  Soil sample values ≥ 50 ppb Au
-  1988 Reverse circulation drill hole
-  1988 Reverse circulation drill hole with values > 1000 ppb Au
-  Trench
-  Access road
-  1276 Elevation in metres
-  1200 Topographic contour in metres
-  Drill section location
-  UTM grid co-ordinates



BOLIVAR WEST AREA

FAIRFIELD MINERALS LTD.
 OKA PROPERTY
 BOLIVAR WEST AREA
 1988 DRILL PLAN

OSOYOOS MINING DIVISION, BRITISH COLUMBIA
 N.T.S. 82E/13W
 Scale = 1:2000

 Scale in metres

NOTE
 See Table 2 for Drill Hole Depth.

CORDILLERAN ENGINEERING LTD.
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 FEBRUARY 1989

Reverse Circulation Drilling
RESULTS - Bolivar West Area Continued

Mineralization

Gold values greater than 400 ppb were returned from samples of fine grained siliceous rock, granodiorite and andesite. The best result, 14,330 ppb Au/1.52 m, was found in iron oxide stained, fine grained siliceous rock in hole OK-88-26. Elevated values are not correlatable between drill holes along the bedding and appear to occur sporadically in all rock types. Significant mineralization found during the 1987 trenching program was hosted in a northeast trending quartz vein and in arsenopyrite veinlets, suggesting structural control. The projection of the mineralized quartz vein passes immediately to the north of hole OK-88-26 and it is possible that this structure was intersected by the hole.

**Table 7: BOLIVAR WEST AREA
SIGNIFICANT VALUES WITH ASSOCIATED ROCK TYPES AND SULPHIDES**

<u>Hole #</u>	<u>Sample #</u>	<u>Au ppb</u>	<u>Rock Types*</u>	<u>Sulphides and Vein Minerals</u>
26	88-26-69	14330	FGS	Trace Py
26	88-26-70	535	FGS	Trace Py
26	88-26-71	521	FGS	Trace Py
27	88-27-9	590	FGS, FGSB	Trace Py
27	88-27-12	675	FGS	Trace Py
27	88-27-32	693	GDR	Trace Py
27	88-27-58	540	GDR, FGS	Trace Py
28	88-28-4	525	AND, FGS	Trace Py
28	88-28-12	550	FGS	Trace Py
30	88-30-14	550	FGS, XTF	Trace Py

*Rock types are described in the lithology section. Refer to Table 4.

Section A-A' (Plate 11)

This section is oriented at 26 degrees looking northwest and illustrates the stratigraphy of the Upper Nicola group in the Bolivar West area. A siltstone unit and surrounding beds intersected in holes 28 and 29 correlate well and indicate a moderate dip to the northeast. Elevated gold values are sporadic and show no clear lithologic associations. Unusually high values within granodiorite were returned from hole 27.

Section B-B' (Plate 12)

Section B-B' trends at 150 degrees looking northeast. The siltstone horizon indicated on the previous section was also intersected in holes 25 and 26 but suggests a moderate dip to the southeast in contrast to that noted on section A-A'. A value of 14330 ppb Au/1.52 m was returned from a sample of fine grained siliceous rock in hole 26 that may be related to a structural feature projected to pass immediately to the north of the hole. Other gold values are sporadic and not clearly associated with any specific rock type.

Reverse Circulation Drilling
RESULTS Continued

6.4.3 BOLIVAR EAST AREA

The Bolivar East area is underlain by Upper Nicola Group andesitic to dacitic volcanics interbedded with locally hornfelsed siltstones and tuffaceous siltstones and minor marble and skarn.

One angled and five vertical holes were drilled to test gold soil geochemical anomalies and gold showings in fractured volcanics and skarn exposed in trenches. Drill hole locations and soil geochemical anomalies are shown on Figure 7. Significant analytical results and geological interpretations are plotted on three vertical sections (Plates 13, 14 and 15).

**Table 8: BOLIVAR EAST AREA
 SIGNIFICANT VALUES WITH ASSOCIATED ROCK TYPES AND SULPHIDES**

<u>Hole #</u>	<u>Sample #</u>	<u>Au ppb</u>	<u>Rock Types*</u>	<u>Sulphides and Vein Minerals</u>
31	88-31-2	3380	XTF, FGS	Trace Py, Trace Aspy
32	88-32-31	1520	GDR	Trace Py
32	88-32-32	650	GDR	Trace Py
32	88-32-89	7070	FGS, MGS	Trace Py
34	88-34-7	1040	MGS, XTF	Trace Py, Minor FeO

*Rock codes are described in the lithology section. Refer to Table 4.

Section 20622 N (Plate 13)

Hole 31 was drilled to test the continuity to depth of mineralization hosted in bleached tuffaceous siltstone exposed by trenching in 1987. Drilling confirmed the surface mineralization and returned a value of 3380 ppb Au over 1.52 metres immediately below surface. No other significant mineralization was intersected in this hole.





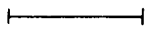
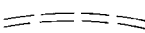

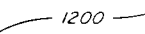

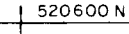
Section C-C' (Plate 14)

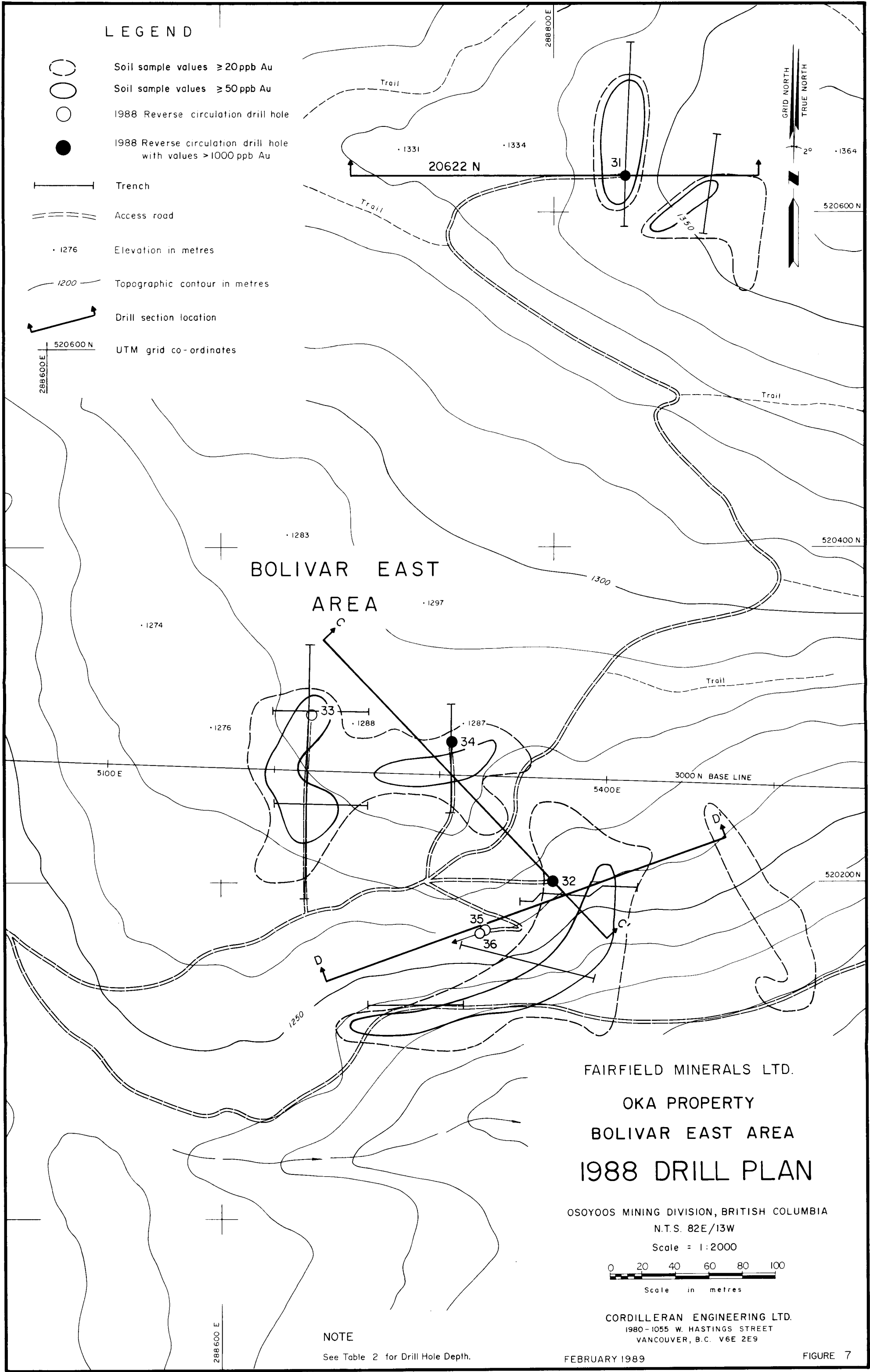
This section illustrates the proximity to surface of the granodiorite intrusive body. Elevated gold values occur throughout the section within various rock types, suggesting structural control. Moderate gold results were found near surface explaining the anomalous soil geochemistry. A sample of mixed fine grained siliceous rock and medium grained siliceous rock returned a value of 7070 ppb Au over 1.52 metres.

Section D-D' (Plate 15)

No distinct lithological marker units were intersected by drilling. Gold enrichment was found in several different rock types indicating possible structural control.

LEGEND

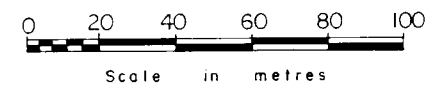
-  Soil sample values ≥ 20 ppb Au
-  Soil sample values ≥ 50 ppb Au
-  1988 Reverse circulation drill hole
-  1988 Reverse circulation drill hole with values > 1000 ppb Au
-  Trench
-  Access road
-  Elevation in metres
-  Topographic contour in metres
-  Drill section location
-  UTM grid co-ordinates



BOLIVAR EAST AREA

FAIRFIELD MINERALS LTD.
 OKA PROPERTY
 BOLIVAR EAST AREA
 1988 DRILL PLAN

OSOYOOS MINING DIVISION, BRITISH COLUMBIA
 N.T.S. 82E/13W
 Scale = 1:2000



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NOTE
 See Table 2 for Drill Hole Depth.

FEBRUARY 1989

FIGURE 7

Reverse Circulation Drilling
RESULTS Continued

6.4.4 BOLIVAR ROAD AREA

Rocks of the Upper Nicola Group underlie the Bolivar Road area. They comprise andesite locally interbedded with fine grained siliceous rock, minor medium grained siliceous rock and siltstone.

Five vertical holes were drilled along the upslope edge of an extensive gold soil geochemical anomaly. Hole number 37 was abandoned in bad ground and 37A was drilled beside it. Hole locations and geochemical anomalies are plotted on Figure 8 and drill results are shown on two vertical sections (Plates 16 and 17).

**Table 9: BOLIVAR ROAD AREA
SIGNIFICANT VALUES WITH ASSOCIATED ROCK TYPES AND SULPHIDES**

<u>Hole #</u>	<u>Sample #</u>	<u>Au ppb</u>	<u>Rock Types*</u>	<u>Sulphides and Vein Minerals</u>
37	88-37-12	760	FGS,AND	Trace Py
37A	88-37A-18	505	AND,SLT	Trace Py, Trace Qtz
39	88-39-6	520	FGS,MBL	Trace Py
39	88-39-12	592	FGS AND	Trace Py
39	88-39-16	2032	FGS,AND,SLT	Trace Py

*Rock codes are described in the lithology section. Refer to Table 4.

Section 20683 N (Plate 16)







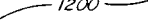
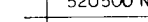
Hole 40 intersected rocks of the Upper Nicola group. No significant mineralization was intersected.

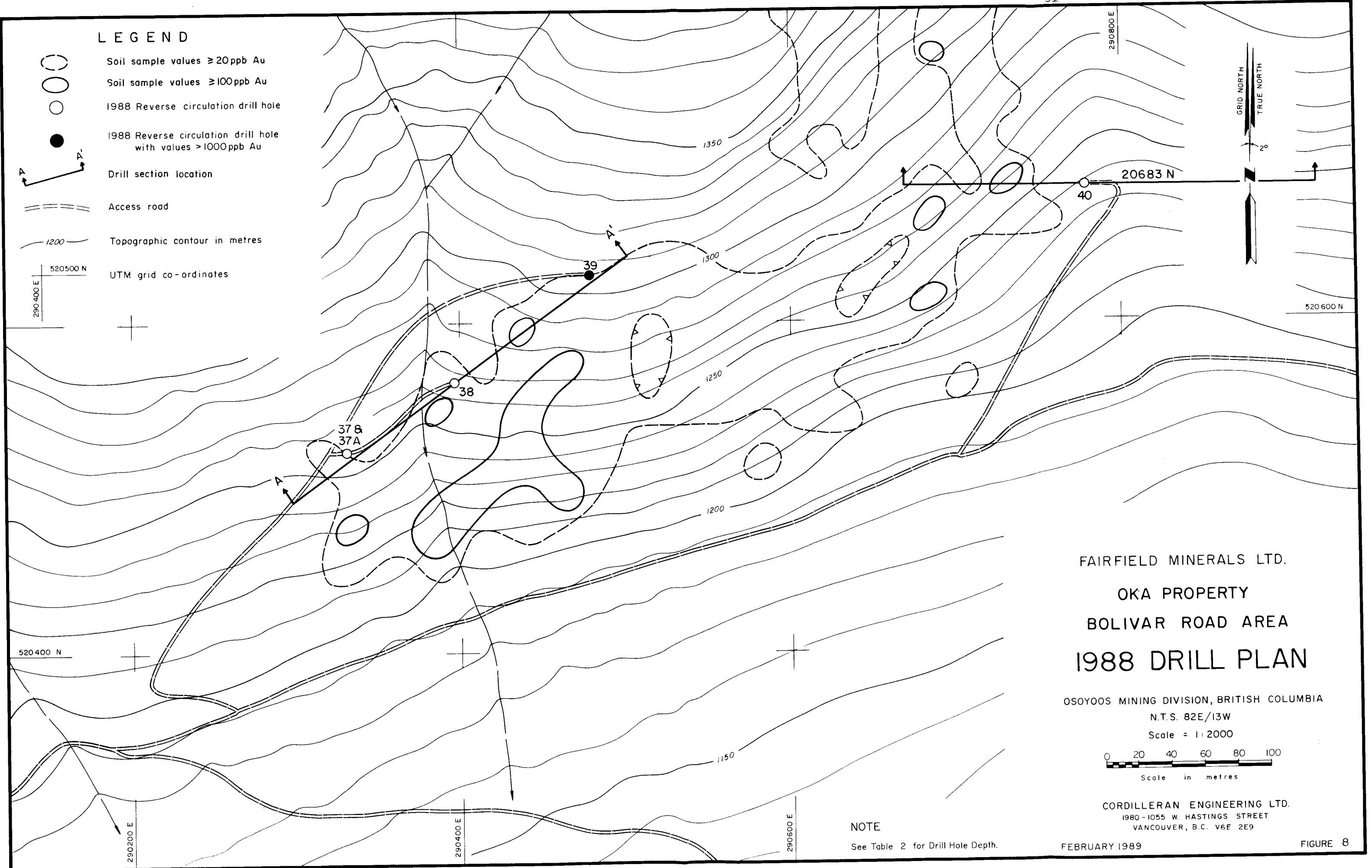
Section A-A' (Plate 17)

A zone containing feldspar porphyry was intersected in all three holes of this section forming a correlatable unit. This feature may be intrusive in origin or an altered porphyritic volcanic of the Upper Nicola group. Some granodiorite dykes cut the volcanics in holes 37A and 38.

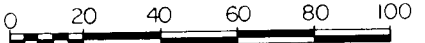
A sample of mixed fine grained siliceous rock, andesite and siltstone with abundant iron oxide returned a value of 2032 ppb Au over 1.52 metres. A value of 505 ppb Au over 1.52 m was returned from a sample of andesite chips with trace quartz and calcite. The strongest gold results are located within thirty metres of surface and probably represent the source of the soil geochemical anomalies.

LEGEND

-  Soil sample values ≥ 20 ppb Au
-  Soil sample values ≥ 100 ppb Au
-  1988 Reverse circulation drill hole
-  1988 Reverse circulation drill hole with values > 1000 ppb Au
-  Drill section location
-  Access road
-  Topographic contour in metres
-  UTM grid co-ordinates



FAIRFIELD MINERALS LTD.
 OKA PROPERTY
 BOLIVAR ROAD AREA
1988 DRILL PLAN

OSOYOOS MINING DIVISION, BRITISH COLUMBIA
 N.T.S. 82E/13W
 Scale = 1:2000

 Scale in metres

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

NOTE
 See Table 2 for Drill Hole Depth.

FEBRUARY 1989

FIGURE 8

Reverse Circulation Drilling
RESULTS Continued

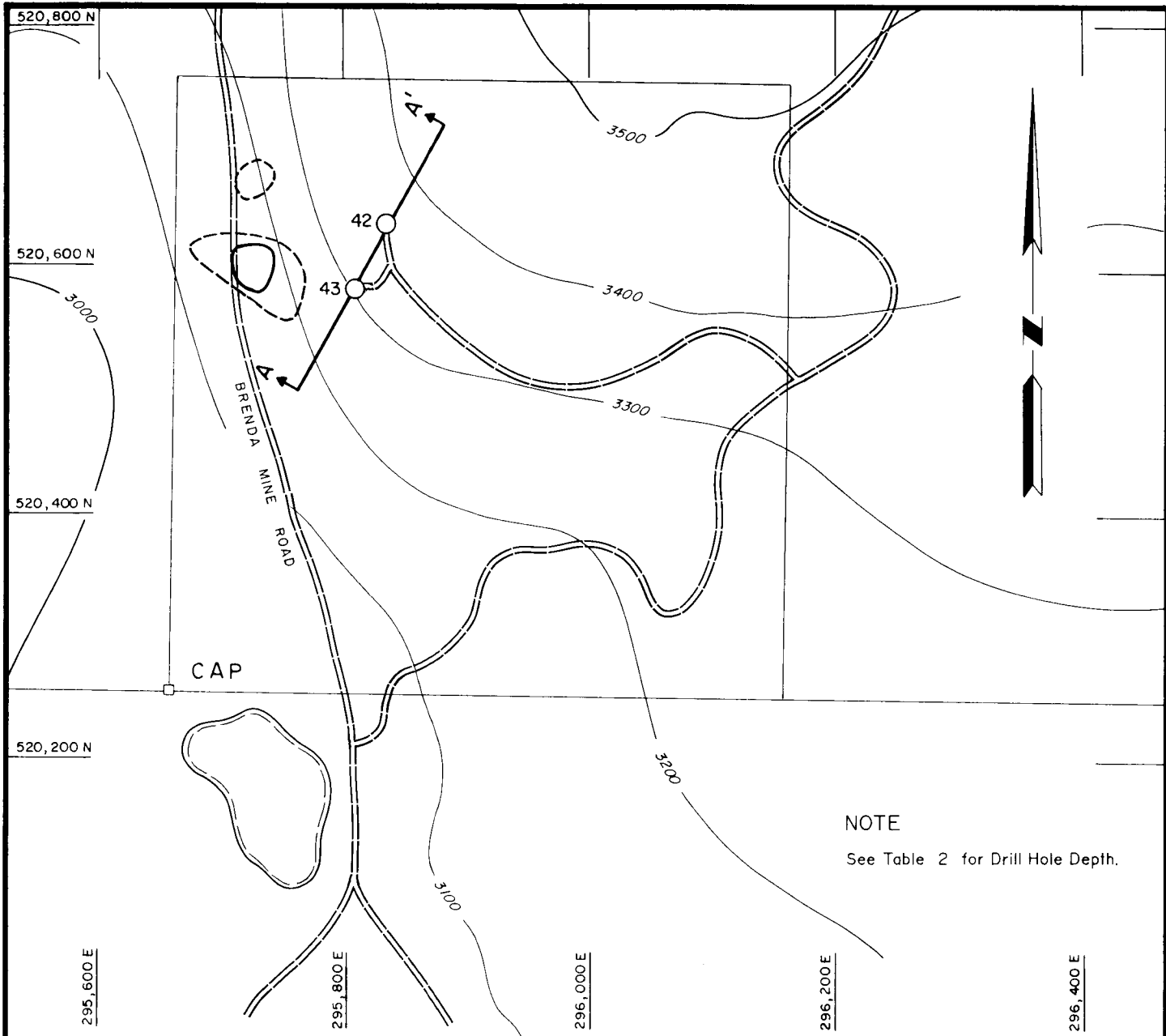
6.4.5 CAP AREA

The Cap area is underlain by locally skarned rocks of the Nicola group. They comprise interbedded siltstone, marble, skarn and andesitic to basaltic volcanic rocks.

The vertical holes were drilled to test the projection of a massive sulphide bearing skarn horizon exposed in a road cut 80 metres to the west. The hole locations are shown on figure 9 and results are compiled on a vertical section.

Section A-A' (Plate 18)

The upper 100 metres of both holes cut interbedded marbles and siltstones similar to those hosting massive sulphide pods on surface. No sulphides were intersected. No significant gold results were returned.



NOTE
See Table 2 for Drill Hole Depth.

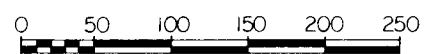
FAIRFIELD MINERALS LTD.

OKA PROPERTY
CAP AREA

1988 DRILL PLAN





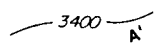
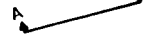


OSOYOOS MINING DIVISION, BRITISH COLUMBIA
N.T.S. 82E/13W

Scale = 1:5000



Scale in metres

LEGEND

-  1988 Reverse circulation drill hole
-  1988 Reverse circulation drill hole with values >1000ppb Au
-  Claim post
-  Access road
-  Topographic contour in feet
-  Drill section location
-  Au soil geochemistry ≥ 20 ppb
-  Au soil geochemistry ≥ 100 ppb

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VANCOUVER, BC V6E 2E9

FEBRUARY 1989

FIGURE 9

7.0

G E O P H Y S I C S

VLF-EM and magnetometer surveys were conducted between May 4 and May 16, 1988. A report prepared by S. J. V. Consultants Ltd. is appended (Appendix "B").

Grid preparation for the geophysical work included 41.5 line-kilometres of secant chained flag and compass line. Both the magnetometer and VLF-EM surveys covered the entire grid with lines 100 m apart and stations at 25 m intervals. Station locations were marked in the field by grid numbered plastic flagging tape. The grid encompassed the Bolivar West, Bolivar East and Bolivar Road drill areas.

The purpose of the surveys was to use the data as an aid for geological mapping and to locate and trace mineralized shear zones.

The magnetometer survey indicated a possible geological contact extending from 2800N on line 4800E to 2850N on line 5600E, with the more magnetic rocks to the south. The VLF-EM survey located a conductor in this same area at approximately 2800N.

The VLF-EM data shows a series of conductors with short strike lengths which are probably due to conductive shear zones. They are striking NE-SW on the eastern part of the grid and E-W on the western part. The conductors roughly parallel the trend of geochemical anomalies in the area and a few are strongly correlated.

8.0

PROSPECTING

8.1 INTRODUCTION

A total of 8 man-days during May was spent following up anomalous gold soil geochemistry in the Bolivar Road area. This work included prospecting, rock sampling and minor soil sampling around newly-discovered mineralization near grid station 6700E-3550N. The soil sampling covered a northerly extension to parts of the 1986-87 detailed grids. Forty-three rock samples were collected and submitted for Au analysis (+Ag in one case) and 45 soil samples were analyzed for Au and As.

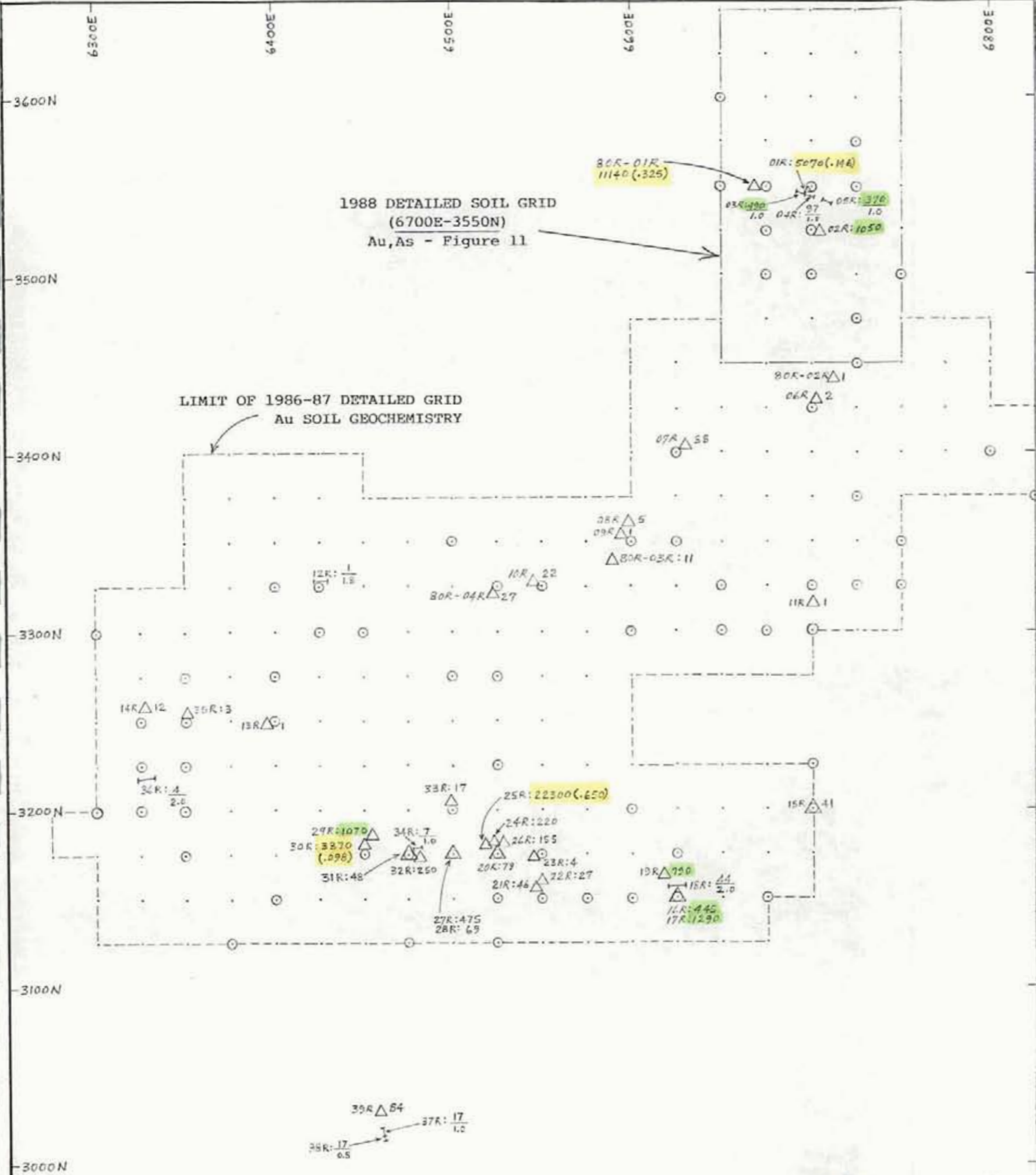
8.2 RESULTS

8.2.1 Rock Sampling (Figure 10)

Eleven of the 43 rock samples analyzed returned Au values greater than 300 ppb. All but one of these comprise quartz +sulphide vein material. Highest values of 22,300 ppb Au (0.65 oz/ton) and 233.5 ppm Ag (6.8 oz/ton) were obtained from a grab sample of one centimetre-wide quartz-galena stringers in siliceous skarn and marble rubble near grid station 6525E-3175N.

Small pits were hand-dug in quartz-arsenopyrite talus near grid stations 6675E-3550N and 6700E-3550N. Exposed bedrock consists of siliceous, coarse-grained volcanics (andesitic tuffs) with localized strongly disseminated arsenopyrite and pyrite, and narrow (<10 cm) arsenopyrite, pyrite, galena-bearing quartz veins or masses. Two selective grab samples returned Au analyses of 5,070 ppb (0.146 oz/ton - check assay) and 11,140 ppb (0.325 oz/ton); however, 3 continuous chip samples across the same exposures yielded a maximum value of only 490 ppb Au over one metre.

The overall rock sample results clearly show that the strongest gold values are associated with arsenopyrite and/or galena mineralization in sporadic, small-scale zones of silicification and quartz veining. Veins are generally narrow (<1-5 cm), irregular, and cut all rock types present, including the volcanic and clastic sedimentary units and underlying marble/skarn horizons.



LEGEND

- 25m detailed grid station
 - Au soil geochemical anomaly ≥ 20 ppb (compiled from results of 1986-88 sampling)
 - △ Selective grab rock sample
 - Continuous chip rock sample
- 18R:44 Rock Sample Number and
2.0 ppb Au (*)
Sample Length (m) - for chip samples
- * oz/ton conversion shown in brackets for values $\geq 2,000$ ppb

NOTE:

- (1) 80E prefix omitted on map for Sample Numbers of this series (01R-39R)
- (2) 80R series of Sample Numbers shown in full (01R-04R)

FAIRFIELD MINERALS LTD.

OKA PROPERTY
BOLIVAR ROAD AREA

PROSPECTING ROCK SAMPLE
RESULTS (GOLD)

OSOYOOS MINING DIVISION, B.C.
NTS 82E/13W
SCALE - 1:2,500

CORDILLERAN ENGINEERING LTD.
Vancouver, B.C.

PROSPECTING - Results Continued

8.2.2 Soil Sampling (Figure 11)

The 1988 soil sampling, centred at 6700E-3550N, has extended the main 1986-87 Au anomaly by over 100 metres to the north. The highest Au values, up to 490 ppb, are coincident with strong As results of several hundred ppm, up to a peak of 1,122 ppm. The majority of these strongly anomalous Au and As samples are located downslope (southeast) from the new quartz-arsenopyrite-gold discoveries.

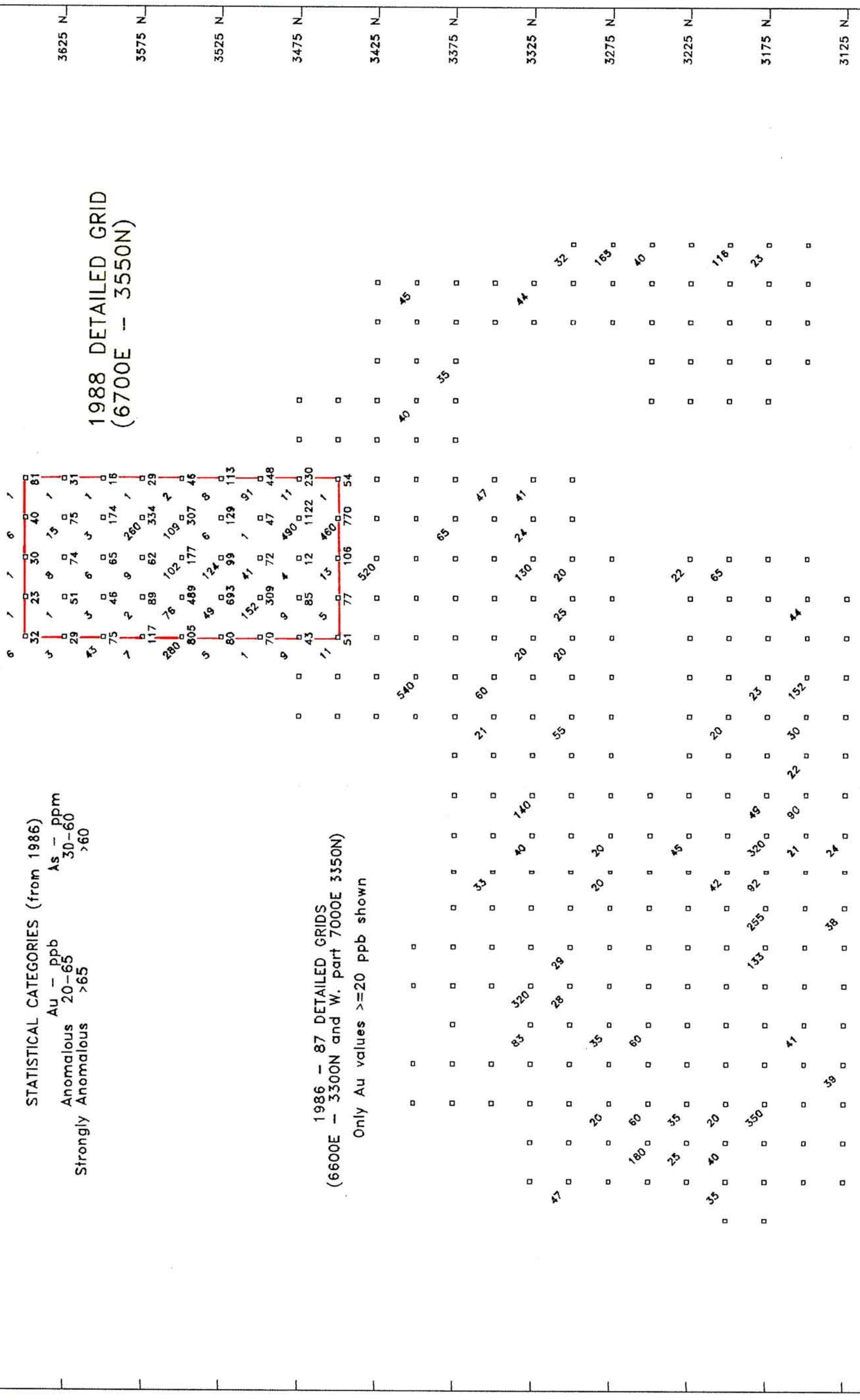
STATISTICAL CATEGORIES (from 1986)

Au - ppb
 Anomalous 20-65
 Strongly Anomalous >65

As - ppm
 30-60
 >60

1988 DETAILED GRID
 (6700E - 3550N)

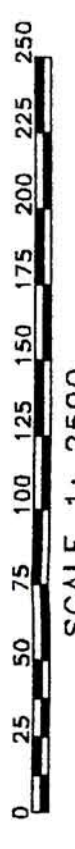
1986 - 87 DETAILED GRIDS
 (6600E - 3300N and W. part 7000E 3350N)
 Only Au values >=20 ppb shown



SYMBOLS
 AU ppb
 AS ppm

FAIRFIELD MINERALS OKA PROPERTY
 BOLIVAR ROAD AREA SOIL GEOCHEM

6275 E 6325 E 6375 E 6425 E 6475 E 6525 E 6575 E 6625 E 6675 E 6725 E 6775 E 6825 E 6875 E



9.0

NEW CLAIMS

In June, 1988 the Oka 12, 13, 14 and 15 claims (9 units) were staked two kilometres north of the east end of the main claim block (Figure 2). This area was acquired to cover showings of massive sulphide skarn in a geological setting similar to that of the Iron Horse area four kilometres to the southwest.

A 4-wheel drive road extends from the Brenda Mine road to the top of Mount Wilson in the centre of Oka 13 claim. Mount Wilson, which reaches a peak of 4,583 feet, has gentle slopes with open forest on the west side and dense second growth forest on the east.

Moderate bedrock exposure on the upper part of Mount Wilson consists of metasedimentary and metavolcanic rocks of the Nicola Group which are part of a large pendant extending several kilometres to the northwest, engulfed by granodiorite to diorite of the Pennask Batholith (Figure 3). Pendant rocks on the new claims consist predominately of hornfelsed siltstones and andesitic (?) volcanics with abundant finely disseminated pyrite and pyrrhotite. Dykes of granodiorite and diorite are common. Local calc-silicate zones with abundant garnet and epidote contain disseminations and occasional masses of pyrite and pyrrhotite with rare chalcopyrite and sphalerite. Several grab samples from sulphide-rich rocks did not return any significant gold or silver values.

A soil geochemical grid was established over the new claims with samples spaced at 50 metres on lines 100 metres apart. The base line was oriented at 320 degrees with sample lines at 050 degrees. A total of 377 samples were collected and analyzed for gold. Only 5 samples returned values greater than 20 ppb Au with a high value of 110 ppb. Anomalous stations are isolated and no large anomalous areas or trends were defined. Geochemical certificates, attached in Appendix "B", are labelled Mt. Wilson, New Claim.

The potential for discovering a significant skarn-hosted gold deposit on the Oka 12-15 claims is considered to be poor and no further work is recommended.

10.0

S E L E C T E D R E F E R E N C E S

CORDILLERAN ENGINEERING LTD.

- 1988 1987 Geochemical Report on the Oka Property (Group 1), Osoyoos Mining Division, B.C., Summary Report, February, 1988
- 1987 1986 Geological, Geochemical and Prospecting Report on the Oka Claim Group, Osoyoos and Similkameen Mining Divisions, B.C. Assessment Report, April 1987.

LITTLE, H.W.:

- 1961 Geology, Kettle River (West Half), B.C. G.S.C. Map 15-1961.

11.0

C O S T S T A T E M E N T

	OKA 1-5, IRON HORSE, CAP (99 units) GROUP 1		OKA 6-11 (86 units) GROUP 2	TOTAL
	Before June 2	After June 2		
	Holes Drilled	1-19	20-24, 41-43	
Metres Drilled	2484.87	1278.33	2268.10	6031.30 m
Cost Factor:				
<u>Metres Drilled in Area</u>				
Total Metres Drilled	.412	.212	.376	
Salaries, Professional & Technical Services	\$ 45,538.06	\$ 23,432.21	\$ 41,559.01	\$110,529.28
Reverse Circulation Drilling	89,416.76	46,010.57	81,603.65	217,030.98
Road Building	10,366.95	5,334.45	9,461.10	25,162.50
Geochemistry & Assays	17,942.06	9,232.33	16,374.31	43,548.70
Drafting	1,409.04	725.04	1,285.92	3,420.00
Truck & Equipment Rentals	3,585.42	1,844.93	3,272.13	8,702.48
Office Supplies, Printing, Telephone, Postage	1,593.25	819.83	1,454.04	3,867.12
Freight & Express	2,115.80	1,088.71	1,930.93	5,135.44
Travel & Accommodation	2,801.66	1,441.63	2,556.85	6,800.14
Equipment & Supplies	3,031.41	1,559.85	2,766.53	7,357.79
Food	2,864.90	1,474.17	2,614.56	6,953.63
Vehicles - Fuel & Repairs	1,179.22	606.79	1,076.18	2,862.19
Topographic Map	-	-	2,135.00	2,135.00
Geophysical Survey			7,225.00	7,225.00
Total Cost of Work	<u>\$181,844.53</u>	<u>\$93,570.51</u>	<u>\$175,315.21</u>	<u>\$450,730.25</u>

12.0

PERSONNEL AND CONTRACTORS

PERSONNEL:

<u>Name/address</u>	<u>Position</u>	<u>Field Dates Worked</u>
E. Balon North Vancouver, B.C.	Prospector	Apr 18 - May 17, 1988
P. Donkersloot Vancouver, B.C.	Geologist	May 2 - July 1, 1988
Z. Dressler Vancouver, B.C.	Sampler	May 2 - July 21, 1988
W. Jakubowski Vancouver, B.C.	Geologist/Supervisor	Apr. 19 - July 23, 1988
W. Kushner Grande Prairie, Alta.	Geologist	June 1 - July 21, 1988
M. Muscat Whistler, B.C.	Cook/Sampler	Apr. 18 - July 1, 1988
J. Rowe North Vancouver, B.C.	Geologist	Apr. 18 - May 17, 1988
C. Tanner North Vancouver, B.C.	Sampler	June 31 - July 21, 1988

CONTRACTORS:

W. Dobbin Construction Ltd. Kelowna, B.C.	Road & Drill Site Preparation	1 man: Apr 24 - May 14, 1988
S.J.V. Consultants Vancouver, B.C.	Geophysics	2 men: May 5 - May 15, 1988
Westrail Construction Ltd. Delta, B.C.	Drilling	7 men: Apr 29 - Jul 20, 1988

13.0

S T A T E M E N T O F Q U A L I F I C A T I O N S

I, Wojtek Jakubowski of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at #17 1435 West 10th Avenue and employed by Cordilleran Engineering Ltd. of 1980 - 1055 West Hastings Street, Vancouver, B.C.
2. I have received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.
3. I have practiced my profession for 9 years in Quebec, Northwest Territories, Yukon Territory and British Columbia.
4. I am an author of this report and the supervisor of the field work conducted on the Oka claim group by Cordilleran Engineering Ltd. during the period April 18 to July 23, 1988.

CORDILLERAN ENGINEERING LTD.



Wojtek Jakubowski, B.Sc.
Geologist

WJ/z
April, 1989.
Vancouver, B.C.

PROPERTY	OKA	HOLE NO.	OK-88-1	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.85 kg/m	TOTAL DEPTH:	151.64 m	
NORTHING:	520,860.4	CASING DEPTH:	1.2 m	DATE STARTED:	April 30, 1988	
EASTING:	291,734.1	CASING DIAMETER:	20 cm	DATE FINISHED:	May 2, 1988	
ELEVATION:	1,341.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	P. Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-1 was drilled to test an Au soil geochemistry anomaly and to test for vertical continuity of skarn mineralization found in trench SH-8B. Approximately 56 metres of skarn mineralization was intersected. The hole was terminated after drilling 25 metres of diorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	7.0	5.5	SKN	4.6	6.1	1.5		SKN	88-1-4	671	
7.0	8.0	1.0	MBL								
8.0	24.0	16.0	SKN								
24.0	51.0	27.0	MBL								
51.0	51.5	.5	SKN								
51.5	56.2	4.7	MBL								
56.2	61.0	4.8	SKN								
61.0	68.5	7.5	MBL								
68.5	73.2	4.7	GDR								
73.2	77.7	4.5	SKN								
77.7	90.0	12.3	GDR								
90.0	96.0	6.0	SKN								
96.0	97.0	1.0	DIO								
97.0	112.0	15.0	SKN								
112.0	117.0	5.0	DIO								
117.0	127.0	10.0	SKN								
127.0	151.64	24.64	DIO								
151.64 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-2	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	5.8 kg/m	TOTAL DEPTH:	141.12 m	
NORTHING:	520,908.6	CASING DEPTH:	1.2 m	DATE STARTED:	May 2, 1988	
EASTING:	291,640.6	CASING DIAMETER:	20 cm	DATE FINISHED:	May 5, 1988	
ELEVATION:	1,354.7 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-2 was drilled to test for vertical continuity of skarn mineralization found in trench SH 8A. Approximately 57.7 m of skarn mineralization was intersected. The hole was terminated after drilling through 32 m of granodiorite and diorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.3	3.0	1.7	DIO								
3.0	10.0	7.0	SKN								
10.0	11.0	1.0	MBL								
11.0	18.5	7.5	SKN								
18.5	20.8	2.3	MBL								
20.8	50.0	29.2	SKN	32.0	33.5	1.5		SKN		590	
50.0	86.0	36.0	MBL								
86.0	89.0	3.0	SKN								
89.0	96.0	7.0	MBL								
96.0	96.5	.5	SKN								
96.5	100.0	3.5	MBL								
100.0	109.0	9.0	SKN								
109.0	120.4	11.4	GDR								
120.0	121.4	1.4	MBL								
121.4	136.0	14.6	GDR								
136.0	141.12	5.12	DIO								
141.72 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-3	AREA:	IRON HORSE	Page 1	
CLAIM:	Iron Horse	RECOVERY:	5.5 kg/m	TOTAL DEPTH:	152.1 m	DATE STARTED:	May 5, 1988
NORTHING:	520,959.6	CASING DEPTH:	0.76 m	DATE FINISHED:	May 7, 1988	CONTRACTOR:	Westrail Construction Ltd.
EASTING:	291,541.0	CASING DIAMETER:	20 cm	LOGGED BY:	Paul Donkersloot	CHIPS STORED:	at Oka Property
ELEVATION:	1,358.2 m	BIT DIAMETER:	11 cm				
DIP:	-90 degrees						
AZIMUTH:							
COMMENTS:	Hole 88-3 was drilled to test for continuity of mineralization intersected in the West Horse and South Horse trench areas. Approximately 45 metres of skarn was intersected. The hole was terminated after drilling through 37 metres of granodiorite. Duplicates of samples 71 to 80 were analyzed to confirm the repeatability of the values.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	12.2	10.7	SKN								
12.2	16.0	3.8	DIO								
16.0	19.0	3.0	SKN								
19.0	21.5	3.5	MBL								
21.5	42.7	21.2	SKN								
42.7	44.0	1.3	MBL								
44.0	48.7	4.7	SKN								
48.7	70.2	21.5	SLT								
70.2	110.0	39.8	MBL								
110.0	115.0	5.0	SKN								
115.0	152.1	37.1	GDR								
152.1 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-4	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	5.2 kg/m	TOTAL DEPTH:	121.3 m	
NORTHING:	521,060.6	CASING DEPTH:	0.61 m	DATE STARTED:	May 8, 1988	
EASTING:	291,543.7	CASING DIAMETER:	20 cm	DATE FINISHED:	May 9, 1988	
ELEVATION:	1,346.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test the continuity of skarn hosted gold mineralization found in the West Horse trench area. 34.9 m of skarn was intersected. Gold mineralization was intersected in skarn and diorite. The hole was terminated after drilled 27.4 m of diorite/granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	4.6	3.1	MBL								
4.6	9.1	4.5	SKN								
9.1	10.7	1.6	MBL								
10.7	19.8	9.1	SKN								
19.8	22.9	3.1	MBL								
22.9	24.4	1.5	MS								
24.4	71.6	47.2	NBL								
71.6	73.2	1.6	MS								
73.2	94.5	21.3	SKN	73.2	74.7	1.5		SKN	88-4-49	305	
94.5	118.9	24.4	DIO	99.1	103.6	4.5		DIO	88-4-66 to 68	668	
				99.1	100.6	1.5		DIO	88-4-66	1440	
				100.6	102.1	1.5		DIO	88-4-67	335	
				115.8	117.4	1.6		DIO	88-4-77	335	
118.9	121.3	2.4	GDR								
121.3	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-5	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	5.2 kg/m	TOTAL DEPTH:	102.1 m	
NORTHING:	521,094.5	CASING DEPTH:	0.61 m	DATE STARTED:	May 10, 1988	
EASTING:	291,512.7	CASING DIAMETER:	20 cm	DATE FINISHED:	May 13, 1988	
ELEVATION:	1,345.4 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-55 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:	351 degrees			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-5 was drilled to test for vertical continuity of the mineralization found in the West Horse stripped area. Approximately 50m of skarn was intersected. Significant gold mineralization was intersected in skarn and diorite. The hole was terminated after drilling 16.0m of diorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	4.0	2.5	SKN								
4.0	7.0	3.0	DIO								
7.0	29.0	22.0	SKN								
29.0	31.5	2.5	DIO								
31.5	35.0	3.5	SKN								
35.0	64.0	29.0	MBL	62.5	65.5	3.0		SKN	88-5-42 TO 43	435	
64.0	81.0	17.0	SKN	68.6	77.7	9.1		SKN	88-5-46 TO 51	2594	
				70.1	74.7	4.6		SKN	88-5-47-TO 49	4476	
81.0	81.7	.7	DIO								
81.7	86.0	4.3	SKN	83.8	85.3	1.5		SKN	88-5-56	320	
86.0	102.1	16.1	DIO	88.4	94.5	6.1		DIO	88-5-59 TO 62	734	
102.1 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-7	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.9 kg/m	TOTAL DEPTH:	93.0 m	
NORTHING:	521,011.8	CASING DEPTH:	3.0 m	DATE STARTED:	May 14, 1988	
EASTING:	291,840.0	CASING DIAMETER:	20 cm	DATE FINISHED:	May 15, 1988	
ELEVATION:	1,296.6 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Wojtek Jakubowski	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test subsurface extension of mineralization encountered in North Horse trench NH 1. Hole terminated after drilling 35.1 m in granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	0.75	.75	NS								
0.75	13.7	12.95	GDR								
13.7	16.7	3.0	SKN								
16.7	22.9	6.2	GRD								
22.9	29.0	7.0	SKN								
29.0	30.5	1.5	DIO								
30.5	38.1	7.6	SKN								
38.1	51.8	13.7	DIO								
51.8	53.3	1.5	SKN								
53.3	54.9	1.6	DIO								
54.9	57.9	3.0	SKN								
54.9	93.0	38.1	GDR								
93.0 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-8	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.5 kg/m	TOTAL DEPTH:	78.6 m	
NORTHING:	521,059.1	CASING DEPTH:	0.6 m	DATE STARTED:	May 15, 1988	
EASTING:	291,943.7	CASING DIAMETER:	20 cm	DATE FINISHED:	May 16, 1988	
ELEVATION:	1,277.2 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-8 was drilled to test an Au soil geochem anomaly 100m east of the North Horse trench area. Approximately 20m of skarn was intersected. The hole was terminated after drilling through 29 metres of diorite and granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	6.3	4.8	SKN								
6.3	8.5	2.2	MBL								
8.5	12.5	4.0	SKN								
12.5	19.0	6.5	MBL								
19.0	26.2	7.2	DIO								
26.2	36.4	10.2	MBL								
36.4	37.9	1.5	SKN								
37.9	39.0	1.1	GDR								
39.0	41.3	2.3	SKN								
41.3	42.6	1.3	GDR								
42.6	46.6	4.0	SKN								
46.6	47.1	.5	GDR								
47.1	50.3	3.2	SKN								
50.3	74.5	24.2	DIO								
74.5	76.3	1.8	GDR								
76.3	78.6	2.3	DIO								
78.6 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-9	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.7 kg/m	TOTAL DEPTH:	120.4 m	
NORTHING:	521,037.7	CASING DEPTH:	0.6 m	DATE STARTED:	May 16, 1988	
EASTING:	291,797.6	CASING DIAMETER:	20 cm	DATE FINISHED:	May 17, 1988	
ELEVATION:	1,295.8 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-55 degrees			LOGGED BY:	Wojtek Jakubowski	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test possible downward extension of mineralization found in North Horse stripped area NH 1. Four skarn horizons were intersected. Hole was terminated after drilling 34.9m of diorite and granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	10.7	9.2	SKN								
10.7	14.0	3.3	DIO								
14.0	29.0	15.0	SKN								
29.0	31.0	2.0	DIO								
31.0	54.5	23.5	SKN								
54.5	55.5	1.0	DIO								
55.5	85.5	30.0	SKN								
85.5	93.0	7.5	GDR								
93.0	94.3	1.3	DIO								
94.3	102.0	7.7	GDR								
102.0	103.0	1.0	DIO								
103.0	120.4	17.4	GDR								
120.4 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-10	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.3 kg/m	TOTAL DEPTH:	73.2 m	
NORTHING:	520,959.4	CASING DEPTH:	0.6 m	DATE STARTED:	May 18, 1988	
EASTING:	291,746.9	CASING DIAMETER:	20 cm	DATE FINISHED:	May 19, 1988	
ELEVATION:	1,327.6 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test for continuity of gold hosted skarn mineralization between the North and South Horse trench areas. One skarn horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	21.3	19.8	GDR								
21.3	24.4	3.1	SKN								
24.4	73.2	48.8	DIO								
73.2 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-11	AREA:	IRON HORSE	Page 1	
CLAIM:	Iron Horse	RECOVERY:	3.5 kg/m	TOTAL DEPTH:	118.9 m	DATE STARTED:	May 19, 1988
NORTHING:	520,987.9	CASING DEPTH:	0.6 m	DATE FINISHED:	May 20, 1988	CONTRACTOR:	Westrail Construction Ltd.
EASTING:	291,635.0	CASING DIAMETER:	20 cm	LOGGED BY:	Paul Donkersloot	CHIPS STORED:	at Oka Property
ELEVATION:	1,349.0 m	BIT DIAMETER:	11 cm				
DIP:	-90 degrees						
AZIMUTH:	0						
COMMENTS:	Hole drilled to test for skarn hosted gold mineralization. Five skarn horizons were intersected. Hole was terminated after drilling 22.9m of diorite and granodiorite.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	22.9	21.4	MBL								
22.9	24.4	1.5	SKN								
24.4	27.4	3.0	MBL								
27.4	32.0	4.6	SKN								
32.0	50.3	18.3	MBL								
50.3	51.8	1.5	SKN								
51.8	54.9	3.1	MBL								
54.9	74.7	19.8	SKN								
74.7	91.4	16.7	DIO								
94.1	96.0	1.9	SKN								
96.0	114.3	18.3	DIO								
114.3	118.9	4.6	GDR								
118.9 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-12	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.2 kg/m	TOTAL DEPTH:	151.9 m	
NORTHING:	521,017.3	CASING DEPTH:	0.6 m	DATE STARTED:	May 20, 1988	
EASTING:	291,353.4	CASING DIAMETER:	20 cm	DATE FINISHED:	May 22, 1988	
ELEVATION:	1,381.4 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test a soil geochem anomaly west of the Iron Horse area. Six skarn horizons were intersected. Hole ended at 151.9m due to lack of drill rods.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NR								
1.5	3.0	1.5	SKN								
3.0	6.1	3.1	HNF								
6.1	21.3	15.2	SKN								
21.3	22.9	1.6	DIO								
22.9	24.4	1.5	SKN								
24.4	25.9	1.5	MBL								
25.9	27.4	1.5	SKN								
27.4	50.3	22.9	MBL								
50.3	62.5	12.2	SKN								
62.5	149.4	86.9	MBL								
149.4	150.9	1.5	SKN								
150.9	151.9	1.0	SLT								
151.9 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-13	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.24 kg/m	TOTAL DEPTH:	151.2 m	
NORTHING:	521,028.0	CASING DEPTH:	0.6 m	DATE STARTED:	May 22, 1988	
EASTING:	291,178.7	CASING DIAMETER:	20 cm	DATE FINISHED:	May 24, 1988	
ELEVATION:	1,392.3 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Paul Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-13 was drilled to test an Au soil geochem anomaly 180m west of OK-88-12. 68m of skarn in 6 zones was intersected. The hole was terminated due to lack of drill rods.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	9.0	7.5	AND								
9.0	11.0	2.0	SKN								
11.0	15.0	4.0	AND								
15.0	16.0	1.0	SKN								
16.0	27.0	11.0	AND								
27.0	33.0	6.0	HNF/SKN								
33.0	40.5	7.5	AND								
40.5	50.0	9.5	HNF/AND								
50.0	97.5	37.5	HNF/SKN								
97.5	106.5	19.0	SKN								
106.5	126.0	19.5	MBL								
126.0	128.3	2.3	SKN								
128.3	141.9	13.6	SLT								
141.9	151.2	9.3	MBL								
151.2 END OF HOLE											

PROPERTY	OKA	HOLE NO.	OK-88-14	AREA:	IRON HORSE	Page 1	
CLAIM:	Iron Horse	RECOVERY:	3.06 kg/m	TOTAL DEPTH:	94.5 m	DATE STARTED:	May 24, 1988
NORTHING:	520,781.6	CASING DEPTH:	1.5 m	DATE FINISHED:	May 25, 1988	CONTRACTOR:	Westrail Construction Ltd.
EASTING:	291,817.1	CASING DIAMETER:	20 cm	LOGGED BY:	W. Jakubowski, P. Donkersloot	CHIPS STORED:	at Oka Property
ELEVATION:	1,320.0 m	BIT DIAMETER:	11 cm				
DIP:	-90 degrees						
AZIMUTH:							
COMMENTS:	Hole 88-14 was drilled to test a soil geochem anomaly and to test for vertical continuity of skarn and massive sulphide mineralization found in trench SH-9. Approximately 14 metres of skarn was intersected. The hole was terminated after drilling through 32 metres of diorite and granodiorite.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.0	1.0	NS								
1.0	9.0	8.0	MBL								
9.0	18.3	9.3	GDR								
18.3	21.3	3.0	SKN								
21.3	25.9	4.6	GDR	24.4	25.9	1.5		GDR	88-14-17	845	
25.9	50.0	24.1	MBL								
50.0	60.8	10.8	SKN								
60.8	66.5	5.7	DIO								
66.5	67.2	.7	GDR								
67.2	76.0	8.8	DIO								
76.0	77.0	1.0	GDR								
77.0	94.5	17.5	DIO								

94.5 END OF HOLE

PROPERTY	OKA	HOLE NO.	OK-88-15	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	6.0 kg/m	TOTAL DEPTH:	213.4 m	
NORTHING:	520,857.8	CASING DEPTH:	0.6 m	DATE STARTED:	May 25, 1988	
EASTING:	291,550.2	CASING DIAMETER:	20 cm	DATE FINISHED:	May 28, 1988	
ELEVATION:	1,314.9 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	J.D.Rowe	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-15 was drilled to test for continuity of skarn hosted mineralization between the West and South Horse trench areas. Approximately 95 metres of skarn was intersected. The hole was terminated after running out of drill rods. The hole was extended from 151.9 to 213.4 between June 8 & 9 after extra drill rods were available.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	8.8	7.3	MBL								
8.8	54.8	46.0	SKN								
54.8	93.0	38.2	MBL								
93.0	95.0	2.0	DIO								
95.0	103.8	8.8	SKN								
103.8	138.8	35.0	MBL								
138.8	142.8	4.0	SKN								
142.8	153.0	10.2	MBL								
153.0	160.0	7.0	MBL/SKN	153.9	155.4	1.5		MBL/SKN	88-15-102	5925	
				155.4	157.0	1.6		MBL/SKN	88-15-103	3220	
				157.0	158.5	1.5		MBL/SKN	88-15-104	560	
160.0	163.5	3.5	SKN								
163.5	164.6	1.1	DIO	163.1	164.6	1.5		SKN/DIO	88-15-108	330	
164.6	173.8	9.2	SKN	167.6	169.2	1.6		SKN	88-15-111	390	
173.8	179.5	5.7	DIO								
179.5	194.0	14.5	SKN								
194.0	195.8	1.8	DIO								
195.8	197.5	1.7	SKN								
197.5	213.4	15.9	GDR								
213.4 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-16	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.1 kg/m	TOTAL DEPTH:	213.4 m	
NORTHING:	520,804.7	CASING DEPTH:	0.6 m	DATE STARTED:	May 28, 1988	
EASTING:	291,638.6	CASING DIAMETER:	20 cm	DATE FINISHED:	May 29, 1988	
ELEVATION:	1,298.5 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W. Jakubowski, P. Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test a soil geochem anomaly in the South Horse area. Massive sulphide was intersected from 39.6 to 41.2m. Nine skarn horizons were intersected. Hole was terminated due to lack of drill rods. Hole was extended from 151.9 to 213.4 metres between June 7 and June 8.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	7.6	6.1	DIO	6.1	7.6	1.5		DIO	88-16-5	625	
7.6	27.4	19.8	SKN								
27.4	29.0	1.6	DIO								
29.8	33.5	3.7	SKN								
33.5	39.6	6.1	MBL								
39.6	41.2	1.6	MS								
41.2	61.0	19.8	SKN								
61.0	77.7	16.7	DIO								
77.7	82.3	4.6	SKN								
82.3	89.9	7.6	MBL								
89.9	91.4	1.5	SKN								
91.4	102.1	10.7	MBL								
102.1	105.2	3.1	SKN								
105.2	143.3	38.1	MBL	141.7	143.3	1.6		MBL	88-16-94	1290	
143.3	147.8	4.5	SKN								
147.8	152.4	4.6	MBL								
152.4	163.3	10.9	SKN/MBL								
163.3	167.6	4.3	MBL								
167.6	170.7	3.1	GDR								
170.7	188.8	18.1	MBL								
188.8	191.5	2.7	DIO	189.0	190.5	1.5		DIO	88-16-125	1080	
191.5	201.5	10.0	SKN	192.0	193.5	1.5		SKN	88-16-127	670	
				199.6	201.2	1.6		SKN	88-16-132	320	
201.5	202.5	1.0	DIO								
202.5	204.2	1.7	SKN								
204.2	205.7	1.5	GDR								
205.7	213.4	7.7	MBL	211.8	213.4	1.6		MBL	88-16-140	3430	
213.4	END OF HOLE										

PROPERTY	OKA	HOLE NO.	OK-88-17	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.5 kg/m	TOTAL DEPTH:	137.2 m	
NORTHING:	520,767.9	CASING DEPTH:	0.6 m	DATE STARTED:	May 30, 1988	
EASTING:	291,743.4	CASING DIAMETER:	20 cm	DATE FINISHED:	May 31, 1988	
ELEVATION:	1,301.4 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W. Jakubowski, P. Donkersloot	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-17 was drilled to test an Au soil geochemical anomaly and to test vertical continuity of skarn hosted mineralization found in South Horse trench SH-11. Approximately 77m of skarn was intersected. The hole was terminated after drilling through 27m of granodiorite and diorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	3.8	3.8	DIO								
3.8	9.2	5.4	SKN								
9.2	15.4	6.2	DIO								
15.4	18.1	2.7	SKN								
18.1	19.9	1.8	DIO								
19.9	25.5	5.6	SKN								
25.5	45.5	20.0	MBL/SKN								
45.5	47.0	1.5	MBL								
47.0	50.5	3.5	MBL/SKN								
50.5	57.5	7.0	SKN								
57.5	61.0	3.5	SKN/MBL								
61.0	76.5	15.5	SKN								
76.5	78.8	2.3	DIO								
78.8	82.3	3.5	SKN								
82.3	99.4	17.1	MBL								
99.4	109.9	10.5	SKN								
109.9	111.2	1.3	GDR								
111.2	131.0	19.8	DIO								
131.0	131.7	.7	GDR								
131.7	137.2	5.5	DIO								
137.2	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-18	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	5.4 km/g	TOTAL DEPTH:	130.6 m	
NORTHING:	520,698.3	CASING DEPTH:	0.6 m	DATE STARTED:	May 31, 1988	
EASTING:	291,794.1	CASING DIAMETER:	20 cm	DATE FINISHED:	June 1, 1988	
ELEVATION:	1,281.7 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test for vertical continuity of skarn mineralization found in South Horse trench SH-11. Six skarn horizons were intersected. Hole was terminated after drilling 22.9 metres of diorite and granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	19.8	18.3	MBL								
19.8	21.3	1.5	SKN								
21.3	29.0	7.7	MBL								
29.0	33.5	4.5	SKN								
33.5	48.7	15.2	MBL								
48.7	51.8	3.1	SKN								
51.8	53.3	1.5	MBL								
53.3	56.4	3.1	SKN								
56.4	64.0	7.6	MBL								
64.0	65.5	1.5	SKN								
65.5	103.6	38.1	MBL								
103.6	108.2	4.6	SKN								
108.2	126.5	18.2	DIO								
126.5	130.6	4.1	GDR								
130.6	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-19	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.6 kg/m	TOTAL DEPTH:	194.6 m	
NORTHING:	520,749.9	CASING DEPTH:	0.6 m	DATE STARTED:	June 1, 1988	
EASTING:	291,644.5	CASING DIAMETER:	20 cm	DATE FINISHED:	June 5, 1988	
ELEVATION:	1,276.1 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-19 was drilled to test an Au soil geochemical anomaly and to test for vertical continuity of skarn mineralization found in nearby trenches. Approximately 114 m of skarn was intersected. The hole was terminated after drilling through 23 metres of granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	4.6	3.1	SKN/DIO								
4.6	13.5	8.9	DIO								
13.5	18.3	4.8	SKN/DIO								
18.3	25.9	7.6	SKN								
25.9	80.6	54.7	DIO/SKN	39.6	41.2	1.6		DIO/SKN	88-19-27	1020	
80.6	88.4	7.8	MBL/SKN								
88.4	91.5	3.1	MBL								
91.5	97.6	6.1	SKN								
97.6	100.7	3.1	DIO								
100.7	113.2	12.5	SKN								
113.2	119.0	5.8	DIO								
119.0	122.0	3.0	SKN	120.4	121.9	1.5		SKN	88-19-80	420	
122.0	150.5	28.5	MBL								
150.5	161.5	11.0	MBL/SKN								
161.5	169.2	7.7	MBL								
169.2	172.4	3.2	MBL/SKN								
172.4	194.6	22.2	GDR								
194.6	END OF HOLE										

PROPERTY	OKA	HOLE NO.	OK-88-20	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.2 kg/m	TOTAL DEPTH:	213.1 m	
NORTHING:	520,764.9	CASING DEPTH:	0.6 m	DATE STARTED:	June 5, 1988	
EASTING:	291,546.9	CASING DIAMETER:	20 cm	DATE FINISHED:	June 7, 1988	
ELEVATION:	1,271.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-20 was drilled to test an Au soil geochemical anomaly and to test for vertical continuity of skarn mineralization found in nearby trenches. Approximately 120 m of skarn was drilled. The hole was terminated after running out of drill rods. 12.9m of granodiorite was intersected at the bottom of the hole.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	5.5	5.5	SKN	3.0	4.6	1.6		SKN	88-20-3	390	
5.5	6.5	1.0	DIO								
6.5	35.0	28.5	SKN								
35.0	35.8	.8	DIO								
35.8	65.0	29.2	SKN	39.6	41.2	1.6		SKN	88-20-27	570	
				41.2	42.7	1.5		SKN	88-20-28	810	
				48.7	50.3	1.6		SKN	88-20-33	610	
65.0	66.0	1.0	MBL								
66.0	80.5	14.5	SKN								
80.5	85.5	5.0	DIO								
85.5	88.4	2.9	SKN								
88.4	89.9	1.5	DIO	88.4	89.9	1.5		DIO	88-20-59	315	
89.9	91.4	1.5	SKN								
91.4	94.5	3.1	DIO								
94.5	100.6	6.1	SKN/DIO								
100.6	123.2	22.6	SKN	100.6	102.1	1.5		SKN	88-20-67	615	
				114.3	115.8	1.5		SKN	88-20-76	355	
				115.8	117.4	1.6		SKN	88-20-77	310	
				117.4	118.9	1.5		SKN	88-20-78	1570	
				118.9	120.4	1.5		SKN	88-20-79	2580	
				120.4	121.9	1.5		SKN	88-20-80	12045	
				121.9	123.4	1.5		SKN	88-20-81	5780	
123.2	170.7	47.5	MBL	126.5	128.0	1.5		MBL	88-20-84	305	
170.7	173.7	3.0	MBL/SKN								
173.7	177.0	3.3	GDR								
177.0	185.9	8.9	MBL								
185.9	192.3	6.4	MBL/SKN								
192.3	196.6	4.3	MBL								
196.6	205.7	9.1	GDR								
205.7	208.8	3.1	MBL								
208.8	213.1	4.3	GDR								
213.1	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-21	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.8 kg/m	TOTAL DEPTH:	131.1 m	
NORTHING:	521,098.7	CASING DEPTH:	0.91 m	DATE STARTED:	June 9, 1988	
EASTING:	291,509.7	CASING DIAMETER:	20 cm	DATE FINISHED:	June 11, 1988	
ELEVATION:	1,344.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test for continuity of mineralization between holes OK-88-4 and OK-88-5. Pyritic grey skarn intersected 51.8-53.3 m. Hole terminated after drilling 24.4 m diorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	6.1	6.1	SKN								
6.1	9.1	3.0	DIO								
9.1	21.3	12.2	SKN								
21.3	38.1	16.8	DIO								
38.1	77.7	39.6	MBL								
77.7	105.2	27.5	SKN	102.1	103.6	1.5		SKN	88-21-68	850	
				103.6	105.2	1.6		SKN	88-21-69	360	
105.2	131.1	25.9	DIO	106.7	108.2	1.5		DIO	88-21-71	270	
				108.2	109.7	1.5		DIO	88-21-72	360	
				109.7	111.2	.5		DIO	88-21-73	305	
				118.9	120.4	1.5		DIO	88-21-79	3420	
				120.4	121.9	1.5		DIO	88-21-80	660	
				123.4	125.0	1.6		DIO	88-21-82	530	
				128.0	129.5	1.5		DIO	88-21-86	295	
131.1	END OF HOLE										

PROPERTY	OKA	HOLE NO.	OK-88-22	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	4.02 kg/m	TOTAL DEPTH:	42.7 m	
NORTHING:	521,064.2	CASING DEPTH:	0.6 m	DATE STARTED:	June 11, 1988	
EASTING:	291,630.7	CASING DIAMETER:	20 cm	DATE FINISHED:	June 11, 1988	
ELEVATION:	1,329.1 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole drilled to test for continuity of skarn hosted gold mineralization between holes 88-6 and 88-5. 6.1m of skarn was intersected. Hole was terminated after drilling 38.1m of diorite-granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	GDR								
1.5	7.6	6.1	SKN								
7.6	27.4	19.8	GDR								
27.4	32.0	4.6	GDR/DIO								
32.0	42.7	10.7	DIO/SKN								
42.7 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-23	AREA:	IRON HORSE	Page 1
CLAIM:	Iron Horse	RECOVERY:	5.5 kg/m	TOTAL DEPTH:	200.7 m	
NORTHING:	520,658.4	CASING DEPTH:	0.6 m	DATE STARTED:	June 11, 1988	
EASTING:	291,641.2	CASING DIAMETER:	20 cm	DATE FINISHED:	June 13, 1988	
ELEVATION:	1,224.7 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-23 was drilled to test an Au soil geochemical anomaly and to test vertical continuity of mineralization found in South Horse trenches SH-13 and SH-14. Approximately 56 metres of skarn was intersected. The hole was terminated due to lack of drill rods.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	7.6	7.6	SKN								
7.6	21.3	13.7	SKN/MBL								
21.3	46.0	24.7	SKN								
46.0	82.4	36.4	MBL								
82.4	93.0	10.6	GDR								
93.0	100.3	7.3	MBL								
100.3	103.8	3.5	SKN								
103.8	106.5	2.7	MBL								
106.5	111.2	4.7	MBL/SKN								
111.2	114.3	3.1	MBL								
114.3	115.8	1.5	MBL/SKN								
115.8	139.5	23.7	GDR								
139.5	200.7	61.2	MBL								
200.7	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-24	AREA:	IRON HORSE	Page 1	
CLAIM:	Iron Horse	RECOVERY:	7.0 kg/m	TOTAL DEPTH:	194.6 m	DATE STARTED:	June 16, 1988
NORTHING:	520,650.9	CASING DEPTH:	0.6 m	DATE FINISHED:	June 17, 1988	CONTRACTOR:	Westrail Construction Ltd.
EASTING:	291,542.2	CASING DIAMETER:	20 cm	LOGGED BY:	P. Donkersloot	CHIPS STORED:	at Oka Property
ELEVATION:	1,205.2 m	BIT DIAMETER:	11 cm				
DIP:	-90 degrees						
AZIMUTH:							
COMMENTS:	Hole 88-24 was drilled to test an Au soil geochemical anomaly and to test for vertical continuity of stockwork mineralization found in nearby trenches. Approximately 45 m of skarn was intersected. The hole was terminated after all available drill rods were used.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	12.0	12.0	MBL								
12.0	15.6	3.6	SKN								
15.6	19.7	4.1	MBL								
19.7	20.7	1.0	SKN								
20.7	100.9	80.2	MBL								
100.9	106.9	6.0	SKN/MBL								
106.9	121.9	15.0	SKN								
121.9	141.7	19.8	SKN/MBL								
141.7	194.6	52.9	MBL								
194.6	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-25	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	4.39 kg/m	TOTAL DEPTH:	195.6 m	
NORTHING:	520,379.9	CASING DEPTH:	1.2 m	DATE STARTED:	June 18, 1988	
EASTING:	287,809.8	CASING DIAMETER:	20 cm	DATE FINISHED:	June 20, 1988	
ELEVATION:	1,330.9 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-25 was drilled to test an Au soil geochemical anomaly. No significant skarn zones were intersected. The hole was terminated after all of the available drill rods were used.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	10.0	10.0	XTF								
10.0	27.0	17.0	XTF/FGS								
27.0	62.5	35.5	FGS								
62.5	67.1	4.6	FGS/XTF								
67.1	73.5	6.4	FGS								
73.5	74.8	1.3	XTF								
74.8	88.2	13.4	FGS								
88.2	89.0	.8	XTF								
89.0	90.0	1.0	FGS								
90.0	91.4	1.4	SLT								
91.4	93.6	2.2	MBL								
93.6	99.1	5.5	FGS/XTF								
99.1	103.5	4.4	FGS								
103.5	105.8	2.3	FGS/XTF								
105.8	117.3	11.5	FGS								
117.3	121.8	4.5	DIO								
121.8	125.0	3.2	FGS								
125.0	127.0	2.0	MBL								
127.0	134.0	7.0	FGS								
134.0	141.7	7.7	FGS/XTF								
141.7	144.8	3.1	FGS								
144.8	150.2	5.4	FGS/XTF								
150.2	151.0	.8	SLT								
151.0	169.2	18.2	FGS/XTF								
169.2	170.0	.8	GDR/FGSB								
170.0	175.2	5.2	FGS								
175.2	181.5	6.3	GDR/FGSB								
181.5	190.5	9.0	FGS								
190.5	195.6	5.1	XTF	193.6	195.1	1.5		XTF	88-25-128	405	
195.6	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-26	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 9	RECOVERY:	4.8 kg/m	TOTAL DEPTH:	121.9 m	
NORTHING:	520,498.93	CASING DEPTH:	0.6 m	DATE STARTED:	June 20, 1988	
EASTING:	287,759.64	CASING DIAMETER:	20 cm	DATE FINISHED:	June 21, 1988	
ELEVATION:	1,354.1 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-26 was drilled to test a soil geochem anomaly. Hole was terminated after reaching the predetermined depth of 121.9m (400') as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	6.1	4.6	FGS								
6.1	10.7	4.6	FGS/XTF								
10.7	12.2	1.5	FGS/AND								
12.2	13.7	1.5	FGS/MBL								
13.7	18.3	4.6	FGS								
18.3	19.8	1.5	XTF/AND								
19.8	21.3	1.5	FGS								
21.3	24.4	3.1	FGS/AND								
24.4	36.6	12.2	FGS/XTF								
36.6	38.1	1.5	FGS								
38.1	39.6	1.5	FGS/AND								
39.6	59.4	19.8	FGS								
59.4	61.0	1.6	FGS/MBL								
61.0	65.5	4.5	SLT								
65.5	67.1	1.6	SLT/FGS								
67.1	71.6	4.5	FGS								
71.6	73.2	1.6	SLT/MGS								
73.2	74.7	1.5	SLT/XTF								
74.7	80.8	6.1	XTF								
80.8	99.1	18.3	FGS/XTF								
99.1	117.4	18.3	FGS	103.6	105.2	1.6		FGS	88-26-26	14330	
				105.2	106.7	1.5		FGS	88-26-70	535	
				106.7	108.2	1.5		FGS	88-26-71	521	
117.4	121.9	4.5	FGS/XTF								
121.9	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-27	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 9	RECOVERY:	4.14 kg/m	TOTAL DEPTH:	121.9 m	
NORTHING:	520,789.1	CASING DEPTH:	0.6 m	DATE STARTED:	June 21, 1988	
EASTING:	287,766.0	CASING DIAMETER:	20 cm	DATE FINISHED:	June 22, 1988	
ELEVATION:	1,378.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-27 was drilled to test a soil geochem anomaly. Hole was terminated after reaching the predetermined depth of 121.9m (400') as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	6.1	4.6	FGS								
6.1	15.2	9.1	FGS/FGSB	12.2	13.7	1.5		FGS/FGSB	88-27-9	590	
15.2	19.8	4.6	FGS	16.7	18.3	1.6		FGS	88-27-12	675	
19.8	22.9	3.1	FGS/XTF								
22.9	30.5	7.6	GDR/FGS	29.0	30.5	1.5		GDR/FGS	88-27-20	380	
30.5	56.4	25.9	GDR	47.2	48.7	1.5		GDR	88-27-32	693	
				48.7	50.2	1.5		GDR	88-27-33	412	
56.4	59.4	3.0	FGS								
59.4	68.6	9.2	AND								
68.6	70.1	1.5	GDR/AND								
70.1	71.6	1.5	AND								
71.6	96.0	24.4	GDR	86.9	88.4	1.5		GDR	88-27-58	540	
96.0	102.1	6.1	AND								
102.1	106.7	4.6	FGS	103.6	105.2	1.6		FGS	88-27-59	290	
106.7	121.9	15.2	GDR								
121.9	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-28	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 9	RECOVERY:	4.3 kg/m	TOTAL DEPTH:	121.9 m	
NORTHING:	520,533.2	CASING DEPTH:	0.6 m	DATE STARTED:	June 22, 1988	
EASTING:	287,666.0	CASING DIAMETER:	20 cm	DATE FINISHED:	June 23, 1988	
ELEVATION:	1,382.6 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-28 was drilled to test vertical continuity of mineralization intersected in Bolivar West trench BW-28. Hole was terminated after reaching the predetermined depth of 121.9m (400') as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	5.5	5.5	AND	4.6	6.1	1.5		AND	88-28-4	525	
5.5	27.4	21.9	FGS	16.7	18.3	1.6		FGS	88-28-12	550	
27.4	30.5	3.1	FGS/XTF								
30.5	36.6	6.1	FGS/MBL								
36.6	47.5	10.9	XTF/FGS								
47.5	48.7	1.2	MBL								
48.7	57.0	8.3	FGS	51.8	53.3	1.5		FGS	88-28-35	480	
57.0	57.9	.9	XTF/FGS								
57.9	95.0	37.1	FGS/MGS								
95.0	96.0	1.0	SLT								
96.0	99.1	3.1	MGS/FGS								
99.1	103.6	4.5	XTF/FGS								
103.6	109.7	6.1	FGS/MGS								
109.7	121.9	12.2	MGS								
121.9 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-29	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 9	RECOVERY:	4.7 kg/m	TOTAL DEPTH:	125.0 m	
NORTHING:	520,456.34	CASING DEPTH:	0.6 m	DATE STARTED:	June 23, 1988	
EASTING:	287,611.54	CASING DIAMETER:	20 cm	DATE FINISHED:	June 24, 1988	
ELEVATION:	1,381.59 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-29 was drilled to test vertical continuity of mineralization intersected in Bolivar West trench BW-27. Hole was terminated after drilling to the predetermined depth of 125.0 m as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	21.0	19.5	FGS								
21.0	40.0	19.0	MGS/FGS								
40.0	46.0	6.0	FGS								
46.0	47.0	1.0	SLT								
47.0	64.0	17.0	XTF/FGS	56.4	57.9	1.5		GDR	88-29-38	430	
64.0	82.3	18.3	FGS/MGS	70.1	71.6	1.5		FGS	88-29-47	410	
82.3	90.0	7.7	XTF/FGS								
90.0	114.5	24.5	FGS/MGS								
114.5	125.0	10.5	MGS								
125.0	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-30	AREA:	BOLIVAR WEST AREA	Page 1
CLAIM:	Oka 9	RECOVERY:	3.6 kg/m	TOTAL DEPTH:	121.9 m	
NORTHING:	520,378.8	CASING DEPTH:	0.6 m	DATE STARTED:	June 25, 1988	
EASTING:	287,529.2	CASING DIAMETER:	20 cm	DATE FINISHED:	June 25, 1988	
ELEVATION:	1,369.0 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-30 was drilled to test vertical continuity of mineralization found in Bolivar West trench BW-26. The hole was terminated after drilling to the predetermined depth of 121.9 m (400') as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	7.8	6.3	FGS/XTF								
7.8	21.3	13.5	GDR								
21.3	25.9	4.6	FGS/XTF								
25.9	32.0	6.1	FGS	27.4	29.0	1.6		FGS	88-30-19	550	
32.0	38.3	6.3	FGS/MGS								
38.3	64.0	25.7	GDR								
64.0	82.5	18.5	FGS								
82.5	107.0	24.5	FGS/XTF/MGS								
107.0	112.8	5.8	GDR								
112.8	121.9	9.1	FGS/MGS								
121.9	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-31	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 7	RECOVERY:	3.01 kg/m	TOTAL DEPTH:	172.1 m	
NORTHING:	520,621.7	CASING DEPTH:	0.6 m	DATE STARTED:	June 26, 1988	
EASTING:	288,843.8	CASING DIAMETER:	20 cm	DATE FINISHED:	June 28, 1988	
ELEVATION:	1,343.3 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-31 was drilled to test vertical continuity of mineralization intersected in trench BE-22. Only minor skarn was intersected. Hole was terminated after drilling 27.4 m of barren siltstone.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	3.0	1.5	XTF/FGS	1.5	3.0	1.5		XTF	88-31-2	3380	
3.0	4.6	1.6	AND	3.0	4.6	1.6		AND	88-31-3	430	
4.6	22.9	18.3	FGS/XTF								
22.9	27.4	4.5	FGS								
27.4	42.7	15.3	XTF/FGS								
42.7	51.8	9.1	SLT								
51.8	54.9	3.1	SLT/FGS								
54.9	56.4	1.5	SLT/MBL								
56.4	62.5	6.1	SLT								
62.5	70.1	7.6	SLT/XTF								
70.1	79.2	9.1	SLT								
79.2	80.8	1.6	SLT/FGS								
80.8	83.8	3.0	SLT/AND								
83.8	85.3	1.5	FGS/AND								
85.3	86.9	1.6	FGS								
86.9	88.4	1.5	MBL/SKN								
88.4	99.1	10.7	SKN/SLT								
99.1	108.2	9.1	SKN								
108.2	109.7	1.5	SLT/SKN								
109.7	111.2	1.5	FGS/XTF								
111.2	112.8	1.6	MBL								
112.8	114.3	1.5	SLT								
114.3	115.8	1.5	SLT/XTF								
115.8	117.4	1.6	FGS/SLT								
117.4	118.9	1.5	SLT								
118.9	120.4	1.5	MGS								
120.4	125.0	4.6	SLT								
125.0	126.5	1.5	SLT/FGS								
126.5	134.1	7.6	FGS								
134.1	137.2	3.1	FGS/SLT								
137.2	141.7	4.5	SLT								
141.7	143.3	1.6	FGS/XTF								
143.3	172.1	28.8	SLT								
172.1	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-32	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	4.0 kg/m	TOTAL DEPTH:	181.4 m	
NORTHING:	520,201.0	CASING DEPTH:	0.6 m	DATE STARTED:	June 28, 1988	
EASTING:	288,799.6	CASING DIAMETER:	20 cm	DATE FINISHED:	June 29, 1988	
ELEVATION:	1,268.8 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	Jakubowski, Donkersloot, WK	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-32 was drilled to test vertical continuity of mineralization intersected in Bolivar East Trench BE-19. Hole was terminated after drilling 30m of granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	19.8	18.3	XTF/FGS	1.5	3.0	1.5		XTF	88-32-2	480	
				7.6	9.1	1.5		FGS	88-32-6	355	
				9.1	10.7	1.6		FGS	88-32-7	325	
19.8	41.2	21.4	FGS								
41.2	54.5	13.3	GDR	45.7	47.2	1.5		GDR	88-32-31	1520	
				47.2	48.7	1.5		GDR	88-32-32	650	
54.5	64.0	9.5	FGS/MGS								
64.0	70.0	6.0	GDR								
70.0	77.7	7.7	FGS/MGS								
77.7	86.5	8.8	FGS								
86.5	94.5	8.0	FGS/AND								
94.5	106.7	12.2	FGS								
106.7	109.7	3.0	FGS/MGS								
109.7	119.0	9.3	FGS								
119.0	120.0	1.0	GDR								
120.0	124.0	4.0	FGS								
124.0	125.0	1.0	AND								
125.0	129.5	4.5	XTF								
129.5	131.0	1.5	GDR								
131.0	134.0	3.0	MGS								
134.0	137.2	3.2	FGS/MGS	134.1	135.6	1.5		FGS	88-32-89	7070	
				135.6	137.2	1.6		FGS	88-32-90	360	
137.2	150.0	12.8	XTF/FGS								
150.0	181.4	31.4	GDR								
181.4 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-33	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	3.85 kg/m	TOTAL DEPTH:	126.5 m	
NORTHING:	520,299.42	CASING DEPTH:	0.6 m	DATE STARTED:	June 29, 1988	
EASTING:	288,653.48	CASING DIAMETER:	20 cm	DATE FINISHED:	June 29, 1988	
ELEVATION:	1,281.34 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W. Jakubowski, W. Kushner	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-33 was drilled to test vertical continuity of mineralization found in Boliva East trench BE-16. Hole was terminated after drilling 26.8 m of granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	6.1	4.6	FGS								
6.1	12.2	6.1	FGS/XTF								
12.2	15.2	3.0	FGS								
15.2	19.8	4.6	XTF								
19.8	51.8	32.0	FGS/XTF								
51.8	97.5	45.7	GDR								
97.5	109.7	12.2	GDR/MGS								
109.7	126.5	16.8	GDR								
126.5	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-34	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	7.29 kg/m	TOTAL DEPTH:	120.4 m	
NORTHING:	520,282.81	CASING DEPTH:	0.6 m	DATE STARTED:	June 30, 1988	
EASTING:	288,738.64	CASING DIAMETER:	20 cm	DATE FINISHED:	June 30, 1988	
ELEVATION:	1,287.49 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W. Jakubowski, W. Kusher	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-34 was drilled to test vertical continuity of mineralization found in Bolivar East trench BE-18. Hole was terminated after drilling 20m of granodiorite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	XTF								
1.5	9.1	7.6	XTF/FGS	4.6	6.1	1.5		XTF/FGS	88-34-4	305	
9.1	10.7	1.6	XTF/MGS	9.1	10.7	1.6		MGS	88-34-7	1040	
10.7	13.7	3.0	XTF/FGS								
13.7	15.2	1.5	XTF								
15.2	18.3	3.1	XTF/FGS								
18.3	79.2	60.9	GDR	44.2	45.7	1.5		GDR	88-34-30	355	
79.2	80.8	1.6	GDR/MGS								
80.8	99.1	18.3	GDR								
99.1	100.6	1.5	GDR/MGS								
100.6	120.4	19.8	GDR								
120.4	END OF HOLE										

PROPERTY	OKA	HOLE NO.	OK-88-35	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	5.13 kg/m	TOTAL DEPTH:	121.9 m	
NORTHING:	520,170.53	CASING DEPTH:	1.5 m	DATE STARTED:	July 1, 1988	
EASTING:	288,758.19	CASING DIAMETER:	20 cm	DATE FINISHED:	July 1, 1988	
ELEVATION:	1,263.42 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-35 was drilled to test continuity of mineralization found in Bolivar East trench BE-20. Hole was drilled to a predetermined depth of 121.9 m (400') as no marker horizon was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	15.2	15.2	XTF/FGS								
15.2	19.8	4.6	XTF/MGS								
19.8	21.3	1.5	XTF/FGS								
21.3	22.9	1.6	XTF								
22.9	25.9	3.0	FGS								
25.9	32.0	6.1	XTF								
32.0	33.5	1.5	XTF/FGS								
33.5	35.0	1.5	FGS/MGS								
35.0	36.6	1.6	FGS/XTF								
36.6	38.1	1.5	XTF								
38.1	44.2	6.1	FGS/XTF								
44.2	48.7	4.5	XTF								
48.7	50.3	1.6	MGS								
50.3	54.9	4.6	XTF/MGS								
54.9	82.3	27.4	XTF/FGS								
82.3	88.4	6.1	FGS/MGS								
88.4	89.9	1.5	XTF/MGS								
89.9	106.7	16.8	XTF/FGS								
106.7	108.2	1.5	FGS/MGS								
108.2	111.2	3.0	FGS/XTF								
111.2	117.4	6.2	XTF/MGS								
117.4	121.9	4.5	XTF/FGS								
121.9 END OF HOLE											

PROPERTY	Oka	HOLE NO.	OK-88-36	AREA:	BOLIVAR EAST AREA	Page 1
CLAIM:	Oka 8	RECOVERY:	5.35 kg/m	TOTAL DEPTH:	36.6 m	
NORTHING:	520,169.30	CASING DEPTH:	2.0 m	DATE STARTED:	July 2, 1988	
EASTING:	288,756.38	CASING DIAMETER:	20 cm	DATE FINISHED:	July 3, 1988	
ELEVATION:	1,263.43 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-55 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:	250 degrees			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-36 was drilled to test for possible vertical structural control of mineralization found in Bolivar East trench BE-20. Hole was terminated at 36.6m after drill rods stuck in hole.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	4.6	3.1	XTF/FGS								
4.6	10.7	6.1	FGS/MGS								
10.7	16.7	6.0	XTF/MGS								
16.7	18.3	1.6	FGS								
18.3	22.9	4.6	XTF/MGS								
22.9	25.9	3.0	FGS/MGS								
25.9	30.5	4.6	XTF/FGS								
30.5	32.0	1.5	XTF/MGS								
32.0	33.5	1.5	FGS/MGS								
33.5	35.0	1.5	GDR/MGS								
35.0	36.6	1.6	FGS								
36.6	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-37(ABANDONED)	AREA:	BOLIVAR ROAD AREA	Page 1
CLAIM:	Oka 7	RECOVERY:	2.95 kg/m	TOTAL DEPTH:	30.5 m	
NORTHING:	520,522.4	CASING DEPTH:	2.1 m	DATE STARTED:	July 3, 1988	
EASTING:	290,330.1	CASING DIAMETER:	20 cm	DATE FINISHED:	July 4, 1988	
ELEVATION:	1,255.6 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-37 was drilled to test a soil geochem anomaly. Hole was abandoned after the drill rods stuck at 30.5m.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	6.1	6.1	AND/GDR								
6.1	7.6	1.5	SLT/FGS								
7.6	9.1	1.5	DIO/XTF								
9.1	12.2	3.1	DIO								
12.2	15.2	3.0	AND								
15.2	29.0	13.8	AND/FGS	16.7	18.3	1.6		FGS	88-37-12	760	
29.0	30.5	1.5	AND								
30.5	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-38	AREA:	BOLIVAR ROAD AREA	Page 1
CLAIM:	Oka 7	RECOVERY:	4.21 kg/m	TOTAL DEPTH:	182.9 m	
NORTHING:	520,563.6	CASING DEPTH:	3.1 m	DATE STARTED:	July 7, 1988	
EASTING:	290,395.9	CASING DIAMETER:	20 cm	DATE FINISHED:	July 9, 1988	
ELEVATION:	1,269.7 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-38 was drilled to test a soil geochemical anomaly. Hole terminated after drilling to a predetermined depth of 182.9 (600') as no marker horizons were intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	3.0	3.0	NS								
3.0	13.7	10.7	AND								
13.7	22.9	9.2	AND/FGS								
22.9	25.9	3.0	AND/MGS								
25.9	27.4	1.5	AND/FGS								
27.4	30.5	3.1	FGS/MGS								
30.5	39.6	9.1	FGS/AND								
39.6	42.7	3.1	GDR								
42.7	50.3	7.6	GDR/FLP								
50.3	53.4	3.1	GDR/AND								
53.4	59.4	6.0	FLP								
59.4	68.6	9.2	FLP/GDR								
68.6	73.2	4.6	AND/FGS								
73.2	77.7	4.5	AND/FLP								
77.7	83.8	6.1	AND/FGS								
83.8	85.3	1.5	AND/MGS								
85.3	88.4	3.1	MGS/FGS								
88.4	89.9	1.5	FGS								
89.9	91.4	1.5	FGS/AND								
91.4	93.0	1.6	FGS/MGS								
93.0	94.5	1.5	MGS/AND								
94.5	108.2	13.7	AND								
108.2	109.7	1.5	AND/GDR								
109.7	182.9	73.2	AND								
182.9	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-39	AREA:	BOLIVAR ROAD AREA	Page 1
CLAIM:	Oka 7	RECOVERY:	7.16 kg/m	TOTAL DEPTH:	152.4 m	
NORTHING:	520,628.5	CASING DEPTH:	1.2 m	DATE STARTED:	July 10, 1988	
EASTING:	290,478.3	CASING DIAMETER:	20 cm	DATE FINISHED:	July 11, 1988	
ELEVATION:	1,298.7 M	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W.Kuskner	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-39 was drilled to test a soil geochemical anomaly. Hole was terminated after drillign 20 metres of andesite.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	3.0	1.5	MBL								
3.0	10.7	7.7	MBL/FGS	7.6	9.1	1.5		FGS	88-39-6	520	
				9.1	10.6	1.6		FGS	88-39-7	395	
10.7	13.7	3.0	MGS/AND								
13.7	15.2	1.5	MGS/FGS								
15.2	16.7	1.5	FGS/MBL								
16.7	19.8	3.1	AND/FGS	16.7	18.3	1.6		FGS	88-39-12	592	
19.8	24.4	4.6	SLT/FGS	22.9	24.4	1.5		FGS	88-39-16	2032	
24.4	36.6	12.2	AND/FGS								
36.6	65.5	28.9	AND								
65.5	67.1	1.6	AND/FLP								
67.1	73.2	6.1	FLP								
73.2	74.7	1.5	FLP/MGS								
74.7	80.8	6.1	FLP								
80.8	93.0	12.2	AND								
93.0	96.0	3.0	AND/FGS								
96.0	97.5	1.5	FGS								
97.5	102.1	4.6	FGS/AND								
102.1	106.7	4.6	FGS								
106.7	108.2	1.5	FGS/MGS								
108.2	112.8	4.6	FGS								
112.8	117.4	4.6	AND/FGS								
117.4	123.4	6.0	AND								
123.4	126.5	3.1	AND/FGS								
126.5	128.0	1.5	AND								
128.0	131.1	3.1	AND/FGS								
131.1	152.4	21.3	AND								
152.4	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-40	AREA:	BOLIVAR ROAD AREA	Page 1
CLAIM:	Oka 7	RECOVERY:	3.26 kg/m	TOTAL DEPTH:	182.9 m	
NORTHING:	520,682.6	CASING DEPTH:	1.2 m	DATE STARTED:	July 11, 1988	
EASTING:	290,781.9	CASING DIAMETER:	20 cm	DATE FINISHED:	July 12, 1988	
ELEVATION:	1,228.57 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:				CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-40 drilled to test a soil geochemical anomaly. Hole was terminated on reaching maximum depth with available drill rods. No significant mineralization was intersected.					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	10.7	9.2	FGS/AND								
10.7	24.4	13.7	AND								
24.4	25.9	1.5	FGS/AND								
25.9	39.6	13.7	AND								
39.6	57.4	17.8	FGS/AND								
57.4	79.2	21.8	AND								
79.2	80.8	1.6	XTF/AND								
80.8	132.6	51.8	AND								
132.6	135.6	3.0	AND/FGS								
135.6	138.7	3.1	AND								
138.7	141.7	3.0	AND/FGS								
141.7	144.8	3.1	AND								
144.8	147.8	3.0	AND/FGS								
147.8	149.4	1.6	AND								
149.4	154.5	5.1	AND/FGS								
154.5	157.0	2.5	AND								
157.0	163.1	6.1	AND/FGS								
163.1	182.9	19.8	AND								
182.9	END OF HOLE										

PROPERTY	OKA	HOLE NO.	OK-88-41	AREA:	IRON HORSE AREA	Page 1
CLAIM:	Iron Horse	RECOVERY:	3.78 kg/m	TOTAL DEPTH:	152.4 m	
NORTHING:	521,108.1	CASING DEPTH:	1.2 m	DATE STARTED:	July 13, 1988	
EASTING:	291,455.1	CASING DIAMETER:	20 cm	DATE FINISHED:	July 14, 1988	
ELEVATION:	1,352.3 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.	
DIP:	-55 degrees			LOGGED BY:	W Jakubowski, W.Kushner	
AZIMUTH:	0			CHIPS STORED:	at Oka Property	
COMMENTS:	Hole 88-41 drilled to test for continuity of skarn hosted mineralization 50m west of hole 88-5. Six skarn horizons were intersected. Hole was terminated at a predetermined depth of 152.4m (500').					

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	3.0	3.0	NS								
3.0	4.6	1.6	GDR								
4.6	7.6	3.0	SKN/GDR								
7.6	13.7	6.1	GDR								
13.7	62.5	48.8	SKN	47.2	48.7	1.5		SKN	88-41-32	1880	
62.5	71.6	9.1	SLT/SKN								
71.6	73.2	1.6	SKN								
73.2	82.3	9.1	SLT/SKN								
82.3	85.3	3.0	SLT								
85.3	100.6	15.3	SLT/SKN								
100.6	108.2	7.6	GDR								
108.2	115.8	7.6	MBL/SKN								
115.8	117.4	1.6	MBL								
117.4	138.7	21.3	MBL/SKN								
138.7	143.3	4.6	MBL								
143.3	149.4	6.1	MBL/SKN								
149.4	152.4	3.0	SKN								
152.4	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-42	AREA:	CAP AREA	Page 1	
CLAIM:	Cap	RECOVERY:	5.0 kg/m	TOTAL DEPTH:	171.9 m		
NORTHING:	520,637.0	CASING DEPTH:	0.9 m	DATE STARTED:	July 15, 1988		
EASTING:	295,834.2	CASING DIAMETER:	20 cm	DATE FINISHED:	July 16, 1988		
ELEVATION:	1,019.02 m	BIT DIAMETER:	11 cm	CONTRACTOR:	Westrail Construction Ltd.		
DIP:	-90 degrees			LOGGED BY:	W Jakubowski, W. Kushner		
AZIMUTH:				CHIPS STORED:	at Oka Property		
COMMENTS:	Hole 88-42 drilled to test a soil geochemical anomaly. Hole was terminated on reaching maximum depth with available drill rods. No significant mineralization was intersected.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	6.1	4.6	MBL/FGS								
6.1	16.7	10.6	SLT/MBL								
16.7	19.8	3.1	FGS/MBL								
19.8	22.9	3.1	FGS/SLT								
22.9	25.9	3.0	FGS/MBL								
25.9	38.1	12.2	MBL/SLT								
38.1	45.7	7.6	FGS/SLT/MBL								
45.7	50.3	4.6	XTE/FGS								
50.3	51.8	1.5	FGS/DIO								
51.8	68.6	16.8	FGS/SLT								
68.6	71.6	3.0	MBL/SLT								
71.6	79.2	7.6	FGS/MBL								
79.2	86.9	7.7	FGS/SLT								
86.9	89.9	3.0	DIO								
89.9	100.6	10.7	FGS								
100.6	114.3	13.7	FGS/SLT								
114.3	141.7	27.4	FGS								
141.7	143.3	1.6	FLP								
143.3	171.9	28.6	FGS								
171.9	END OF HOLE										

PROPERTY	Oka	HOLE NO.	OK-88-43(ABANDONED)	AREA:	CAP AREA	Page 1	
CLAIM:	Cap	RECOVERY:	2.6 kg/m	TOTAL DEPTH:	27.4 m	DATE STARTED:	July 16, 1988
NORTHING:	520,574.9	CASING DEPTH:	0.9 m	DATE FINISHED:	July 17, 1988	CONTRACTOR:	Westrail Construction Ltd.
EASTING:	295,820.6	CASING DIAMETER:	20 cm	LOGGED BY:	W Jakubowski, W. Kushner	CHIPS STORED:	at Oka Property
ELEVATION:	1,004.0	BIT DIAMETER:	11 cm				
DIP:	-90 degrees						
AZIMUTH:							
COMMENTS:	Hole 88-43 drilled to test a soil geochemical anomaly. Hole abandoned after drill rods stuck in hole. No significant mineralization was intersected.						

GENERALIZED GEOLOGY				SIGNIFICANT RESULTS							
FROM	TO	INTERVAL	UNIT	FROM	TO	INTERVAL	TW	UNIT	SAMPLE NO.	Au ppb	Au oz/t
0.0	1.5	1.5	NS								
1.5	3.0	1.5	FGS								
3.0	6.1	3.1	FGS/MBL								
6.1	7.6	1.5	FGS/SLT								
7.6	9.1	1.5	FGS/MBL								
9.1	10.7	1.6	FGS/SLT								
10.7	16.7	6.0	FGS/MBL								
16.7	18.3	1.6	FGS/SLT								
18.3	27.4	9.1	MBL/SLT								
27.4 END OF HOLE											

A P P E N D I X " B "

ANALYTICAL REPORTS

Sample Number Explanation:

The first prefix in the sample number indicates the year of drilling, the second part indicates the hole number and the third part indicates the sample number.

Samples were collected continuously over 1.524 metre lengths in sequential downhole order.

A sample labelled 88-4-22 indicates that the sample was the 22nd sample collected from hole 4, drilled in 1988.

The table below lists some of the hole depths that correspond with the downhole sample numbers.

<u>Downhole Sample #</u>	<u>Depth metres</u>
1	0.00 - 1.52
2	1.52 - 3.05
3	3.05 - 4.57
4	4.57 - 6.10
5	6.10 - 7.62
140	211.84 - 213.36

Note: Samples were not collected above the bedrock surface.
In areas of thick overburden sample number 1 and sometimes 2 are missing.

Samples with "A" suffix (e.g. 88-1-10A) were duplicate samples taken to test the reproducibility of results.

Samples with values greater than 1000 ppb Au were resampled from the pulp and/or reject, and fire assayed for Au. Results are given in ounces per ton.

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 03 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *May 9/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: P1 CUTTING P2 ROCK
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE. *OKA-Step #1*

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA File # 88-1266 Page 1

SAMPLE#	AU* ppb
88-1-2	20
88-1-3	40
88-1-4	671
88-1-5	81
88-1-6	43
88-1-7	46
88-1-8	28
88-1-9	9
88-1-10	8
88-1-11	12
88-1-12	15
88-1-13	29
88-1-14	4
88-1-15	9
88-1-16	4
88-1-17	1
88-1-18	3
88-1-19	1
88-1-20	1
88-1-21	1
88-1-22	3
88-1-23	2
88-1-24	9
88-1-4A	682
88-1-5A	141
88-1-6A	68
88-1-7A	77
88-1-8A	35
88-1-9A	31
88-1-10A	14
88-1-11A	21
88-1-12A	39
88-1-13A	47
88-1-14A	22
88-1-15A	3
88-1-16A	17

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

DATE RECEIVED: MAY 09 1988

DATE REPORT MAILED: *May 17/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA (#2)/3/4 File # 88-1343

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-1-25	1	88-1-61	19	88-1-97	2	88-2-34	1
88-1-26	1	88-1-62	18	88-1-98	1	88-2-35	2
88-1-27	2	88-1-63	20	88-1-99	49	88-2-36	1
88-1-28	2	88-1-64	215	88-1-100	146	88-2-37	1
88-1-29	1	88-1-65	131	88-2-2	14	88-2-38	2
88-1-30	1	88-1-66	142	88-2-3	28	88-2-39	1
88-1-31	1	88-1-67	159	88-2-4	9	88-2-40	1
88-1-32	2	88-1-68	72	88-2-5	1	88-2-41	2
88-1-33	1	88-1-69	27	88-2-6	1	88-2-42	1
88-1-34	7	88-1-70	11	88-2-7	3	88-2-43	1
88-1-35	1	88-1-71	22	88-2-8	1	88-2-44	2
88-1-36	3	88-1-72	5	88-2-9	4	88-2-45	2
88-1-37	1	88-1-73	2	88-2-10	39	88-2-46	1
88-1-38	24	88-1-74	1	88-2-11	17	88-2-47	1
88-1-39	159	88-1-75	2	88-2-12	78	88-2-48	1
88-1-40	188	88-1-76	17	88-2-13	35	88-2-49	2
88-1-41	12	88-1-77	16	88-2-14	11	88-2-50	1
88-1-42	18	88-1-78	14	88-2-15	3	88-2-51	2
88-1-43	19	88-1-79	22	88-2-16	1		
88-1-44	6	88-1-80	21	88-2-17	3		
88-1-45	9	88-1-81	18	88-2-18	8		
88-1-46	25	88-1-82	35	88-2-19	31		
88-1-47	16	88-1-83	30	88-2-20	38		
88-1-48	2	88-1-84	8	88-2-21	109		
88-1-49	12	88-1-85	15	88-2-22	590		
88-1-50	48	88-1-86	21	88-2-23	148		
88-1-51	192	88-1-87	15	88-2-24	92		
88-1-52	32	88-1-88	17	88-2-25	64		
88-1-53	22	88-1-89	1	88-2-26	37		
88-1-54	112	88-1-90	2	88-2-27	18		
88-1-55	32	88-1-91	15	88-2-28	13		
88-1-56	22	88-1-92	20	88-2-29	5		
88-1-57	28	88-1-93	65	88-2-30	7		
88-1-58	16	88-1-94	2	88-2-31	8		
88-1-59	34	88-1-95	1	88-2-32	4		
88-1-60	121	88-1-96	2	88-2-33	2		

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PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: MAY 10 1988

DATE REPORT MAILED: *May 17/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: P1-P4 CUTTING P5 ROCK
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #5 ^{slip} File # 88-1384

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-2-52	1	OK-88-2-88	4	OK-88-3-32	1	OK-88-3-68	1
OK-88-2-53	1	OK-88-2-89	2	OK-88-3-33	1	OK-88-3-69	1
OK-88-2-54	1	OK-88-2-90	5	OK-88-3-34	1	OK-88-3-70	1
OK-88-2-55	1	OK-88-2-91	7	OK-88-3-35	2	OK-88-3-71	1
OK-88-2-56	1	OK-88-2-92	10	OK-88-3-36	1	OK-88-3-72	1
OK-88-2-57	3	OK-88-2-93	14	OK-88-3-37	1	OK-88-3-73	2
OK-88-2-58	5	OK-88-3-2	11	OK-88-3-38	1	OK-88-3-74	1
OK-88-2-59	1	OK-88-3-3	15	OK-88-3-39	1	OK-88-3-75	1
OK-88-2-60	1	OK-88-3-4	17	OK-88-3-40	1	OK-88-3-76	1
OK-88-2-61	1	OK-88-3-5	2	OK-88-3-41	2	OK-88-3-77	1
OK-88-2-62	1	OK-88-3-6	7	OK-88-3-42	1	OK-88-3-78	1
OK-88-2-63	1	OK-88-3-7	29	OK-88-3-43	1	OK-88-3-79	1
OK-88-2-64	1	OK-88-3-8	32	OK-88-3-44	1	OK-88-3-80	2
OK-88-2-65	1	OK-88-3-9	158	OK-88-3-45	1	OK-88-3-81	1
OK-88-2-66	8	OK-88-3-10	103	OK-88-3-46	1	OK-88-3-82	1
OK-88-2-67	4	OK-88-3-11	149	OK-88-3-47	1	OK-88-3-83	1
OK-88-2-68	4	OK-88-3-12	16	OK-88-3-48	1	OK-88-3-84	2
OK-88-2-69	1	OK-88-3-13	1	OK-88-3-49	1	OK-88-3-85	1
OK-88-2-70	3	OK-88-3-14	4	OK-88-3-50	2	OK-88-3-86	1
OK-88-2-71	4	OK-88-3-15	1	OK-88-3-51	1	OK-88-3-71A	2
OK-88-2-72	6	OK-88-3-16	1	OK-88-3-52	1	OK-88-3-72A	1
OK-88-2-73	2	OK-88-3-17	1	OK-88-3-53	1	OK-88-3-73A	3
OK-88-2-74	1	OK-88-3-18	3	OK-88-3-54	1	OK-88-3-74A	1
OK-88-2-75	1	OK-88-3-19	1	OK-88-3-55	1	OK-88-3-75A	2
OK-88-2-76	1	OK-88-3-20	1	OK-88-3-56	2	OK-88-3-76A	1
OK-88-2-77	1	OK-88-3-21	1	OK-88-3-57	2	OK-88-3-77A	3
OK-88-2-78	1	OK-88-3-22	1	OK-88-3-58	1	OK-88-3-78A	1
OK-88-2-79	1	OK-88-3-23	1	OK-88-3-59	1	OK-88-3-79A	1
OK-88-2-80	1	OK-88-3-24	1	OK-88-3-60	1	OK-88-3-80A	1
OK-88-2-81	1	OK-88-3-25	2	OK-88-3-61	1		
OK-88-2-82	1	OK-88-3-26	1	OK-88-3-62	2		
OK-88-2-83	1	OK-88-3-27	1	OK-88-3-63	1		
OK-88-2-84	1	OK-88-3-28	2	OK-88-3-64	1		
OK-88-2-85	3	OK-88-3-29	1	OK-88-3-65	1		
OK-88-2-86	2	OK-88-3-30	1	OK-88-3-66	1		
OK-88-2-87	1	OK-88-3-31	1	OK-88-3-67	1		

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

DATE RECEIVED: JAN 12 1989

JAN 18 89
CC: Gus. Zick

DATE REPORT MAILED:

Jan. 17/89

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY..... *C. Long* D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING FILE # 88-1454R

SAMPLE#	AU
	oz/t
88-4-66	.039

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 07 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 9/88*

JUNE 9/88
JUN 10 88

cc of us

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA File # 88-1454R

SAMPLE#	AU** oz/t
88-4-66	.049

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 16 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *May 20/88.*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: DRILL CHIP
 AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS
 CORDILLERAN ENGINEERING PROJECT-OKA ^{Sheet # 6} File # 88-1454

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-3-87	1	88-4-24	3	88-4-60	2	88-5-2	18
88-3-88	1	88-4-25	2	88-4-61	1	88-5-3	1
88-3-89	1	88-4-26	2	88-4-62	14	88-5-4	7
88-3-90	1	88-4-27	1	88-4-63	29	88-5-5	3
88-3-91	1	88-4-28	2	88-4-64	16	88-5-6	22
88-3-92	1	88-4-29	1	88-4-65	131	88-5-7	23
88-3-93	1	88-4-30	1	88-4-66	1440	88-5-8	12
88-3-94	1	88-4-31	1	88-4-67	335	88-5-9	1
88-3-95	2	88-4-32	2	88-4-68	230	88-5-10	8
88-3-96	1	88-4-33	1	88-4-69	109	88-5-11	1
88-3-97	3	88-4-34	1	88-4-70	15	88-5-12	1
88-3-98	1	88-4-35	2	88-4-71	3	88-5-13	11
88-3-99	1	88-4-36	2	88-4-72	36	88-5-14	1
88-3-100	1	88-4-37	1	88-4-73	31	88-5-15	16
88-4-2	1	88-4-38	2	88-4-74	42	88-5-16	9
88-4-3	1	88-4-39	1	88-4-75	38	88-5-17	18
88-4-4	1	88-4-40	3	88-4-76	186	88-5-18	26
88-4-5	1	88-4-41	1	88-4-77	335	88-5-19	18
88-4-6	10	88-4-42	28	88-4-78	136	88-5-20	9
88-4-7	1	88-4-43	7	88-4-79	62	88-5-21	37
88-4-8	1	88-4-44	5	88-4-80	50	88-5-22	3
88-4-9	1	88-4-45	7			88-5-23	4
88-4-10	1	88-4-46	6			88-5-24	1
88-4-11	1	88-4-47	12			88-5-25	1
88-4-12	1	88-4-48	130			88-5-26	1
88-4-13	1	88-4-49	305			88-5-27	1
88-4-14	2	88-4-50	47				
88-4-15	1	88-4-51	25				
88-4-16	93	88-4-52	17				
88-4-17	13	88-4-53	14				
88-4-18	3	88-4-54	131				
88-4-19	2	88-4-55	105				
88-4-20	1	88-4-56	34				
88-4-21	1	88-4-57	18				
88-4-22	1	88-4-58	13				
88-4-23	1	88-4-59	9				

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 07 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 14/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #7 File # 88-1474R JUN

SAMPLE#	AU** oz/t
88-5-46	.033
88-5-47	.136
88-5-49	.054
88-5-59	.042

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Jan 20/89

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY *C. King* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING ^{aka #17} FILE # 88-1474R

SAMPLE#	AU oz/t
88-5-46	.029
88-5-47	.175
88-5-49	.011
88-5-59	.047

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

DATE RECEIVED: SEP 1 1988

DATE REPORT MAILED: *Sept. 17/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

SEP 20 1988

ASSAYER: *C. Leung* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING *EX#7* FILE # 88-1474R

SAMPLE#	AU	AU	AU	AU**
	oz/t	oz/t	oz/t	oz/t
88-5-49	.050	.012	.021	.018

Sample contains Native Au.

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

DATE RECEIVED: MAY 17 1988

DATE REPORT MAILED: *May 20/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
 AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #7 File # 38-1474

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-5-28	1	88-5-64	183	88-7-4	7
88-5-29	1	88-5-65	89	88-7-5	1
88-5-30	1	88-5-66	67	88-7-6	1
88-5-31	1	88-5-67	83	88-7-7	1
88-5-32	1	88-6-2	13	88-7-8	2
88-5-33	1	88-6-3	66	88-7-9	1
88-5-34	5	88-6-4	72	88-7-10	1
88-5-35	1	88-6-5	39	88-7-11	1
88-5-36	1	88-6-6	26	88-7-12	1
88-5-37	1	88-6-7	20	88-7-13	6
88-5-38	8	88-6-8	42	88-7-14	1
88-5-39	7	88-6-9	172	88-7-15	18
88-5-40	9	88-6-10	260	88-7-16	12
88-5-41	10	88-6-11	505	88-7-17	7
88-5-42	550	88-6-12	106	88-7-18	9
88-5-43	320	88-6-13	117	88-7-19	49
88-5-44	4	88-6-14	53	88-7-20	119
88-5-45	102	88-6-15	22	88-7-21	40
88-5-46	1560	88-6-16	104	88-7-22	17
88-5-47	5230	88-6-17	16	88-7-23	19
88-5-48	750	88-6-18	2	88-7-24	15
88-5-49	7450	88-6-19	21	88-7-25	6
88-5-50	52	88-6-20	12	88-7-26	9
88-5-51	520	88-6-21	4	88-7-27	61
88-5-52	205	88-6-22	13	88-7-28	65
88-5-53	18	88-6-23	2	88-7-29	17
88-5-54	20	88-6-24	1	88-7-30	21
88-5-55	260	88-6-25	1	88-7-31	16
88-5-56	320	88-6-26	3	88-7-32	12
88-5-57	52	88-6-27	1	88-7-33	14
88-5-58	189	88-6-28	4	88-7-34	10
88-5-59	1390	88-6-29	1	88-7-35	13
88-5-60	345	88-6-30	1	88-7-36	26
88-5-61	250	88-7-1	3	88-7-37	4
88-5-62	950	88-7-2	2	88-7-38	3
88-5-63	175	88-7-3	2	88-7-39	3
				88-7-40	1

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 24 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *May 30/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
 AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #9 File # 88-1547 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-7-41	6	88-8-17	2	88-9-2	37	88-9-38	1
88-7-42	4	88-8-18	19	88-9-3	29	88-9-39	1
88-7-43	2	88-8-19	5	88-9-4	8	88-9-40	1
88-7-44	1	88-8-20	7	88-9-5	1	88-9-41	4
88-7-45	1	88-8-21	1	88-9-6	12	88-9-42	3
88-7-46	1	88-8-22	1	88-9-7	5	88-9-43	14
88-7-47	1	88-8-23	1	88-9-8	7	88-9-44	9
88-7-48	2	88-8-24	1	88-9-9	16	88-9-45	10
88-7-49	3	88-8-25	1	88-9-10	19	88-9-46	34
88-7-50	1	88-8-26	1	88-9-11	8	88-9-47	69
88-7-51	101	88-8-27	1	88-9-12	3	88-9-48	25
88-7-52	1	88-8-28	1	88-9-13	16	88-9-49	7
88-7-53	3	88-8-29	1	88-9-14	7	88-9-50	1
88-7-54	1	88-8-30	5	88-9-15	3	88-9-51	1
88-7-55	1	88-8-31	1	88-9-16	2	88-9-52	16
88-7-56	1	88-8-32	1	88-9-17	1	88-9-53	8
88-7-57	1	88-8-33	1	88-9-18	1	88-9-54	6
88-7-58	1	88-8-34	3	88-9-19	5	88-9-55	1
88-7-59	1	88-8-35	1	88-9-20	1	88-9-56	1
88-7-60	1	88-8-36	1	88-9-21	1	88-9-57	1
88-7-61	1	88-8-37	1	88-9-22	1	88-9-58	1
88-8-2	2	88-8-38	3	88-9-23	1	88-9-59	1
88-8-3	5	88-8-39	1	88-9-24	1	88-9-60	1
88-8-4	1	88-8-40	1	88-9-25	1	88-9-61	1
88-8-5	1	88-8-41	2	88-9-26	1	88-9-62	1
88-8-6	1	88-8-42	1	88-9-27	1	88-9-63	1
88-8-7	3	88-8-43	1	88-9-28	4	88-9-64	2
88-8-8	1	88-8-44	1	88-9-29	5	88-9-65	35
88-8-9	1	88-8-45	1	88-9-30	1	88-9-66	8
88-8-10	1	88-8-46	3	88-9-31	1	88-9-67	12
88-8-11	2	88-8-47	8	88-9-32	4	88-9-68	1
88-8-12	1	88-8-48	4	88-9-33	1	88-9-69	1
88-8-13	1	88-8-49	2	88-9-34	69	88-9-70	1
88-8-14	1	88-8-50	1	88-9-35	3	88-9-71	2
88-8-15	1	88-8-51	1	88-9-36	44	88-9-72	1
88-8-16	1	88-8-52	1	88-9-37	4	88-9-73	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-9-74	12	88-10-32	4
88-9-75	1	88-10-33	6
88-9-76	6	88-10-34	1
88-9-77	1	88-10-35	1
88-9-78	3	88-10-36	1
88-9-79	1	88-10-37	198
88-10-2	1	88-10-38	6
88-10-3	1	88-10-39	1
88-10-4	1	88-10-40	6
88-10-5	2	88-10-41	1
88-10-6	1	88-10-42	2
88-10-7	1	88-10-43	7
88-10-8	1	88-10-44	5
88-10-9	1	88-10-45	2
88-10-10	1	88-10-46	2
88-10-11	1	88-10-47	3
88-10-12	1	88-10-48	88
88-10-13	1	88-11-2	2
88-10-14	2	88-11-3	15
88-10-15	44	88-11-4	1
88-10-16	16	88-11-5	3
88-10-17	14	88-11-6	1
88-10-18	1	88-11-7	1
88-10-19	28	88-11-8	1
88-10-20	2	88-11-9	2
88-10-21	3	88-11-10	8
88-10-22	12	88-11-11	1
88-10-23	7	88-11-12	2
88-10-24	14	88-11-13	1
88-10-25	1	88-11-14	5
88-10-26	1	88-11-15	1
88-10-27	1	88-11-16	1
88-10-28	1	88-11-17	1
88-10-29	1	88-11-18	5
88-10-30	7	88-11-19	18
88-10-31	4	88-11-20	1

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

DATE RECEIVED: MAY 25 1988

DATE REPORT MAILED: *June 1/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #10 File # 88-1599 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-11-21	1	88-11-57	3	88-12-16	12	88-12-52	2
88-11-22	1	88-11-58	4	88-12-17	4	88-12-53	1
88-11-23	1	88-11-59	1	88-12-18	8	88-12-54	1
88-11-24	1	88-11-60	6	88-12-19	1	88-12-55	1
88-11-25	1	88-11-61	3	88-12-20	1	88-12-56	1
88-11-26	1	88-11-62	1	88-12-21	1	88-12-57	1
88-11-27	2	88-11-63	2	88-12-22	4	88-12-58	1
88-11-28	1	88-11-64	3	88-12-23	6	88-12-59	1
88-11-29	1	88-11-65	1	88-12-24	1	88-12-60	1
88-11-30	1	88-11-66	3	88-12-25	1	88-12-61	1
88-11-31	18	88-11-67	11	88-12-26	1	88-12-62	1
88-11-32	2	88-11-68	7	88-12-27	2	88-12-63	1
88-11-33	12	88-11-69	3	88-12-28	1	88-12-64	1
88-11-34	9	88-11-70	3	88-12-29	3	88-12-65	1
88-11-35	1	88-11-71	1	88-12-30	2	88-12-66	1
88-11-36	1	88-11-72	26	88-12-31	1	88-12-67	3
88-11-37	1	88-11-73	20	88-12-32	7	88-12-68	1
88-11-38	1	88-11-74	18	88-12-33	9	88-12-69	1
88-11-39	1	88-11-75	10	88-12-34	8	88-12-70	1
88-11-40	2	88-11-76	215	88-12-35	11	88-12-80	1
88-11-41	1	88-11-77	7	88-12-36	30	88-12-81	1
88-11-42	44	88-11-78	34	88-12-37	24	88-12-82	1
88-11-43	15	88-12-2	5	88-12-38	38	88-12-83	2
88-11-44	20	88-12-3	6	88-12-39	1	88-12-84	1
88-11-45	1	88-12-4	8	88-12-40	7	88-12-85	1
88-11-46	1	88-12-5	10	88-12-41	1	88-12-86	1
88-11-47	1	88-12-6	7	88-12-42	1	88-12-87	1
88-11-48	2	88-12-7	4	88-12-43	1	88-12-88	1
88-11-49	1	88-12-8	7	88-12-44	1	88-12-89	1
88-11-50	1	88-12-9	4	88-12-45	1	88-12-90	1
88-11-51	91	88-12-10	7	88-12-46	1	88-12-91	1
88-11-52	3	88-12-11	5	88-12-47	1	88-12-92	1
88-11-53	1	88-12-12	6	88-12-48	1	88-12-93	1
88-11-54	1	88-12-13	6	88-12-49	1	88-12-94	1
88-11-55	1	88-12-14	12	88-12-50	3	88-12-95	1
88-11-56	7	88-12-15	21	88-12-51	1	88-12-96	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-12-97	3	88-13-34	66
88-12-98	1	88-13-35	64
88-12-99	8	88-13-36	47
88-12-100	1	88-13-37	29
88-13-2	11	88-13-38	35
88-13-3	9		
88-13-4	1		
88-13-5	7		
88-13-6	36		
88-13-7	225		
88-13-8	74		
88-13-9	5		
88-13-10	29		
88-13-11	63		
88-13-12	54		
88-13-13	5		
88-13-14	1		
88-13-15	14		
88-13-16	9		
88-13-17	18		
88-13-18	15		
88-13-19	9		
88-13-20	16		
88-13-21	13		
88-13-22	2		
88-13-23	1		
88-13-24	7		
88-13-25	4		
88-13-26	8		
88-13-27	10		
88-13-28	22		
88-13-29	16		
88-13-30	12		
88-13-31	14		
88-13-32	8		
88-13-33	4		

GEOCHEMICAL ANALYSIS CERTIFICATE

JUN 07 88

- SAMPLE TYPE: CUTTING
 AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #12 File # 88-1663

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-12-71	1						
88-12-72	1	88-13-66	3	88-14-1	5	88-14-37	29
88-12-73	2	88-13-67	4	88-14-2	2	88-14-38	84
88-12-74	2	88-13-68	8	88-14-3	1	88-14-39	30
88-12-75	1	88-13-69	10	88-14-4	1	88-14-40	128
		88-13-70	1	88-14-5	230	88-14-41	111
88-12-76	4						
88-12-77	1	88-13-71	1	88-14-6	36	88-14-42	62
88-12-78	1	88-13-72	1	88-14-7	71	88-14-43	38
88-12-79	1	88-13-73	1	88-14-8	69	88-14-44	16
88-13-39	10	88-13-74	1	88-14-9	78	88-14-45	7
		88-13-75	1	88-14-10	1.06	88-14-46	11
88-13-40	2						
88-13-41	4	88-13-76	1	88-14-11	144	88-14-47	4
88-13-42	2	88-13-77	2	88-14-12	70	88-14-48	1
88-13-43	3	88-13-78	1	88-14-13	2	88-14-49	1
88-13-44	1	88-13-79	4	88-14-14	42	88-14-50	2
		88-13-80	1	88-14-15	4	88-14-51	1
88-13-45	2						
88-13-46	1	88-13-81	1	88-14-16	38	88-14-52	1
88-13-47	1	88-13-82	1	88-14-17	845	88-14-53	6
88-13-48	2	88-13-83	7	88-14-18	270	88-14-54	1
88-13-49	13	88-13-84	39	88-14-19	235	88-14-55	1
		88-13-85	2	88-14-20	2	88-14-56	2
88-13-50	5						
88-13-51	3	88-13-86	4	88-14-21	4	88-14-57	1
88-13-52	10	88-13-87	1	88-14-22	1	88-14-58	13
88-13-53	9	88-13-88	2	88-14-23	1	88-14-59	1
88-13-54	4	88-13-89	5	88-14-24	3	88-14-60	1
		88-13-90	1	88-14-25	1	88-14-61	1
88-13-55	12						
88-13-56	6	88-13-91	1	88-14-26	1		
88-13-57	6	88-13-92	1	88-14-27	1		
88-13-58	2	88-13-93	1	88-14-28	1		
88-13-59	8	88-13-94	37	88-14-29	1		
		88-13-95	1	88-14-30	2		
88-13-60	1						
88-13-61	4	88-13-96	1	88-14-31	1		
88-13-62	3	88-13-97	1	88-14-32	1		
88-13-63	4	88-13-98	1	88-14-33	1		
88-13-64	8	88-13-99	1	88-14-34	4		
		88-13-100	3	88-14-35	4		
88-13-65	11			88-14-36	12		

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

DATE RECEIVED: MAY 31 1988

DATE REPORT MAILED: *June 7/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #13 File # 88-1698

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-15-2	1	88-15-38	1	88-15-74	1
88-15-3	1	88-15-39	1	88-15-75	1
88-15-4	6	88-15-40	1	88-15-76	1
88-15-5	1	88-15-41	1	88-15-77	2
88-15-6	1	88-15-42	1	88-15-78	1
88-15-7	1	88-15-43	1	88-15-79	3
88-15-8	3	88-15-44	1	88-15-80	5
88-15-9	1	88-15-45	1		
88-15-10	2	88-15-46	1		
88-15-11	1	88-15-47	1		
88-15-12	1	88-15-48	1		
88-15-13	2	88-15-49	2		
88-15-14	1	88-15-50	1		
88-15-15	1	88-15-51	1		
88-15-16	1	88-15-52	1		
88-15-17	3	88-15-53	1		
88-15-18	1	88-15-54	1		
88-15-19	1	88-15-55	1		
88-15-20	1	88-15-56	1		
88-15-21	1	88-15-57	1		
88-15-22	1	88-15-58	1		
88-15-23	7	88-15-59	1		
88-15-24	10	88-15-60	1		
88-15-25	12	88-15-61	3		
88-15-26	4	88-15-62	1		
88-15-27	1	88-15-63	1		
88-15-28	1	88-15-64	1		
88-15-29	1	88-15-65	1		
88-15-30	12	88-15-66	1		
88-15-31	1	88-15-67	1		
88-15-32	1	88-15-68	1		
88-15-33	10	88-15-69	1		
88-15-34	180	88-15-70	1		
88-15-35	1	88-15-71	1		
88-15-36	7	88-15-72	1		
88-15-37	12	88-15-73	1		

JAN 17 89

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Jan. 16/89.*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY...*C. Leong*... D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #14 FILE # 88-1791R

SAMPLE# AU
oz/t
88-16-94 .001

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: SEP 1 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

Sept. 17/88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING ^{*CKA #14*} FILE # 88-1791R

SAMPLE#	AU oz/t	AU oz/t	AU oz/t	AU** oz/t
88-16-94	.003	.001	.002	.001

Original geochem result of 1290 ppb due to native Au.

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

DATE RECEIVED: AUG 19 1988

DATE REPORT MAILED: *Aug. 30 / 88.*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2" A.T.

*SEE FILE
CC SWS*

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA FILE # 88-1921R

File 88-15-11

SAMPLE#	AU** oz/t
OK-88-15-102	.150
OK-88-15-103	.095
OK-88-16-125	.030
OK-88-16-140	.106
OK-88-20-78	.048
OK-88-20-79	.078
OK-88-20-80	.394
OK-88-20-81	.151

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JUN 06 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

June 13/88

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS ^{11/11} 5.

CORDILLERAN ENGINEERING PROJECT-OKA #14 File # 88-1791 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-15-81	4	88-16-18	7	88-16-54	11	88-16-90	1
88-15-82	1	88-16-19	10	88-16-55	5	88-16-91	1
88-15-83	7	88-16-20	3	88-16-56	9	88-16-92	2
88-15-84	4	88-16-21	12	88-16-57	6	88-16-93	10
88-15-85	1	88-16-22	11	88-16-58	3	88-16-94	1290
88-15-86	1	88-16-23	24	88-16-59	5	88-16-95	28
88-15-87	3	88-16-24	16	88-16-60	6	88-16-96	52
88-15-88	2	88-16-25	2	88-16-61	1	88-16-97	139
88-15-89	1	88-16-26	1	88-16-62	1	88-16-98	28
88-15-90	1	88-16-27	49	88-16-63	1	88-16-99	7
88-15-91	3	88-16-28	28	88-16-64	1	88-16-100	6
88-15-92	23	88-16-29	11	88-16-65	1	88-17-1	20
88-15-93	6	88-16-30	7	88-16-66	1	88-17-2	11
88-15-94	5	88-16-31	7	88-16-67	2	88-17-3	5
88-15-95	8	88-16-32	8	88-16-68	1	88-17-4	5
88-15-96	6	88-16-33	2	88-16-69	1	88-17-5	3
88-15-97	5	88-16-34	1	88-16-70	1	88-17-6	1
88-15-98	6	88-16-35	1	88-16-71	3	88-17-7	25
88-15-99	2	88-16-36	3	88-16-72	2	88-17-8	9
88-15-100	12	88-16-37	1	88-16-73	1	88-17-9	5
88-16-2	3	88-16-38	2	88-16-74	1	88-17-10	10
88-16-3	19	88-16-39	1	88-16-75	1	88-17-11	6
88-16-4	29	88-16-40	4	88-16-76	2	88-17-12	7
88-16-5	625	88-16-41	4	88-16-77	1	88-17-13	9
88-16-6	285	88-16-42	1	88-16-78	1	88-17-14	1
88-16-7	20	88-16-43	1	88-16-79	1	88-17-15	4
88-16-8	25	88-16-44	4	88-16-80	2	88-17-16	2
88-16-9	3	88-16-45	8	88-16-81	1	88-17-17	21
88-16-10	18	88-16-46	7	88-16-82	2	88-17-18	1
88-16-11	6	88-16-47	2	88-16-83	1	88-17-19	2
88-16-12	4	88-16-48	4	88-16-84	2	88-17-20	1
88-16-13	1	88-16-49	1	88-16-85	1	88-17-21	1
88-16-14	2	88-16-50	1	88-16-86	2	88-17-22	1
88-16-15	7	88-16-51	1	88-16-87	1	88-17-23	2
88-16-16	2	88-16-52	2	88-16-88	2	88-17-24	6
88-16-17	13	88-16-53	4	88-16-89	1	88-17-25	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-17-26	12	88-17-62	12	88-18-8	1	88-18-44	1
88-17-27	5	88-17-63	1	88-18-9	1	88-18-45	1
88-17-28	1	88-17-64	1	88-18-10	1	88-18-46	2
88-17-29	2	88-17-65	1	88-18-11	1	88-18-47	1
88-17-30	3	88-17-66	3	88-18-12	1	88-18-48	1
88-17-31	1	88-17-67	3	88-18-13	2	88-18-49	1
88-17-32	38	88-17-68	12	88-18-14	1	88-18-50	1
88-17-33	22	88-17-69	1	88-18-15	1	88-18-51	1
88-17-34	6	88-17-70	4	88-18-16	2	88-18-53	1
88-17-35	2	88-17-71	62	88-18-17	1	88-18-54	1
88-17-36	5	88-17-72	16	88-18-18	1	88-18-55	1
88-17-37	33	88-17-73	10	88-18-19	4	88-18-56	1
88-17-38	6	88-17-74	8	88-18-20	21	88-18-57	1
88-17-39	46	88-17-75	48	88-18-21	11	88-18-58	1
88-17-40	5	88-17-76	92	88-18-22	1	88-18-59	2
88-17-41	1	88-17-77	11	88-18-23	10	88-18-60	1
88-17-42	1	88-17-78	8	88-18-24	1		
88-17-43	19	88-17-79	4	88-18-25	1		
88-17-44	13	88-17-80	9	88-18-26	1		
88-17-45	1	88-17-81	4	88-18-27	2		
88-17-46	6	88-17-82	3	88-18-28	2		
88-17-47	1	88-17-83	5	88-18-29	1		
88-17-48	9	88-17-84	3	88-18-30	1		
88-17-49	46	88-17-85	7	88-18-31	1		
88-17-50	33	88-17-86	2	88-18-32	1		
88-17-51	16	88-17-87	3	88-18-33	8		
88-17-52	12	88-17-88	4	88-18-34	10		
88-17-53	7	88-17-89	8	88-18-35	2		
88-17-54	5	88-17-90	3	88-18-36	1		
88-17-55	1	88-18-2	12	88-18-37	1		
88-17-56	3	88-18-3	3	88-18-38	23		
88-17-57	5	88-18-4	1	88-18-39	1		
88-17-58	1	88-18-5	10	88-18-40	4		
88-17-59	2	88-18-6	1	88-18-41	1		
88-17-60	1	88-18-7	1	88-18-42	91		
88-17-61	1			88-18-43	101		

JAN 17. 89

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JAN 12 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED: *Jan. 16/89*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY... *C. Leung* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #16 FILE # 88-1813R

SAMPLE# AU
oz/t

88-19-27 .051

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

DATE RECEIVED: AUG 19 1988
DATE REPORT MAILED: *Aug. 20/88*

ASSAY CERTIFICATE

cc JWS

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #16 FILE # 88-1813R

SAMPLE#	AU** oz/t
88-19-27	.029

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 07 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 13/88..*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
 AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS ^{JUN}

CORDILLERAN ENGINEERING PROJECT-OKA #16 File # 88-1813

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-18-52	4	88-19-11	8	88-19-47	22	88-19-83	22
88-18-61	5	88-19-12	2	88-19-48	17	88-19-84	6
88-18-62	10	88-19-13	1	88-19-49	3	88-19-85	1
88-18-63	3	88-19-14	1	88-19-50	1	88-19-86	1
88-18-64	2	88-19-15	1	88-19-51	3	88-19-87	1
88-18-65	8	88-19-16	1	88-19-52	1	88-19-88	2
88-18-66	5	88-19-17	1	88-19-53	1	88-19-89	3
88-18-67	3	88-19-18	1	88-19-54	1	88-19-90	1
88-18-68	4	88-19-19	2	88-19-55	1	88-19-91	21
88-18-69	2	88-19-20	105	88-19-56	1	88-19-92	2
88-18-70	99	88-19-21	17	88-19-57	1	88-19-93	5
88-18-71	13	88-19-22	61	88-19-58	1	88-19-94	2
88-18-72	1	88-19-23	20	88-19-59	104	88-19-95	1
88-18-73	1	88-19-24	1	88-19-60	26	88-19-96	1
88-18-74	3	88-19-25	20	88-19-61	15	88-19-97	1
88-18-75	6	88-19-26	104	88-19-62	1	88-19-98	1
88-18-76	1	88-19-27	1020	88-19-63	1	88-19-99	2
88-18-77	1	88-19-28	265	88-19-64	1	88-19-100	4
88-18-78	2	88-19-29	98	88-19-65	1		
88-18-79	6	88-19-30	113	88-19-66	1		
88-18-80	5	88-19-31	52	88-19-67	24		
88-18-81	38	88-19-32	1	88-19-68	31		
88-18-82	3	88-19-33	1	88-19-69	25		
88-18-83	2	88-19-34	3	88-19-70	44		
88-18-84	3	88-19-35	1	88-19-71	68		
88-18-85	5	88-19-36	1	88-19-72	3		
88-18-86	6	88-19-37	1	88-19-73	16		
88-19-2	1	88-19-38	1	88-19-74	1		
88-19-3	52	88-19-39	1	88-19-75	23		
88-19-4	22	88-19-40	2	88-19-76	1		
88-19-5	41	88-19-41	1	88-19-77	71		
88-19-6	4	88-19-42	1	88-19-78	1		
88-19-7	8	88-19-43	2	88-19-79	1		
88-19-8	2	88-19-44	46	88-19-80	420		
88-19-9	1	88-19-45	48	88-19-81	16		
88-19-10	14	88-19-46	33	88-19-82	2		

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JUN 13 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158

FAX(604)253-1716

DATE REPORT MAILED:

June 16/88

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: DRILL CHIP

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA File # 88-1921

Page 17

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-15-100	21	OK-88-16-108	4	OK-88-19-104	1
OK-88-15-101	180	OK-88-16-109	1	OK-88-19-105	2
OK-88-15-102	5925	OK-88-16-110	2	OK-88-19-106	14
OK-88-15-103	3220	OK-88-16-111	12	OK-88-19-107	1
OK-88-15-104	560	OK-88-16-112	8	OK-88-19-108	1
OK-88-15-105	114	OK-88-16-113	15	OK-88-19-109	1
OK-88-15-106	34	OK-88-16-114	1	OK-88-19-110	2
OK-88-15-107	80	OK-88-16-115	2	OK-88-19-111	1
OK-88-15-108	330	OK-88-16-116	4	OK-88-19-112	5
OK-88-15-109	141	OK-88-16-117	1	OK-88-19-113	1
OK-88-15-110	90	OK-88-16-118	1	OK-88-19-114	3
OK-88-15-111	390	OK-88-16-119	1	OK-88-19-115	6
OK-88-15-112	117	OK-88-16-120	1	OK-88-19-116	35
OK-88-15-113	92	OK-88-16-121	1	OK-88-19-117	4
OK-88-15-114	65	OK-88-16-122	1	OK-88-19-118	3
OK-88-15-115	114	OK-88-16-123	1	OK-88-19-119	74
OK-88-15-116	220	OK-88-16-124	5	OK-88-19-120	18
OK-88-15-117	147	OK-88-16-125	1080	OK-88-19-121	1
OK-88-15-118	118	OK-88-16-126	110	OK-88-19-122	1
OK-88-15-119	9	OK-88-16-127	670	OK-88-19-123	52
OK-88-15-120	13	OK-88-16-128	104	OK-88-19-124	76
OK-88-15-121	23	OK-88-16-129	68	OK-88-19-125	16
OK-88-15-122	66	OK-88-16-130	1	OK-88-19-126	2
OK-88-15-123	51	OK-88-16-131	1	OK-88-19-127	1
OK-88-15-124	44	OK-88-16-132	320	OK-88-19-128	1
OK-88-15-125	183	OK-88-16-133	35	OK-88-20-1	7
OK-88-15-126	47	OK-88-16-134	37	OK-88-20-2	20
OK-88-15-127	105	OK-88-16-135	3	OK-88-20-3	390
OK-88-16-100	12	OK-88-16-136	21	OK-88-20-4	45
OK-88-16-101	59	OK-88-16-137	1	OK-88-20-5	21
OK-88-16-102	15	OK-88-16-138	1	OK-88-20-6	18
OK-88-16-103	4	OK-88-16-139	2	OK-88-20-7	12
OK-88-16-104	16	OK-88-16-140	3430	OK-88-20-8	1
OK-88-16-105	15	OK-88-19-101	14	OK-88-20-9	1
OK-88-16-106	16	OK-88-19-102	22	OK-88-20-10	3
OK-88-16-107	7	OK-88-19-103	1	OK-88-20-11	83

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-20-12	14	OK-88-20-58	118	OK-88-20-104	31
OK-88-20-13	4	OK-88-20-59	315	OK-88-20-105	6
OK-88-20-14	3	OK-88-20-60	97	OK-88-20-106	3
OK-88-20-15	10	OK-88-20-61	96	OK-88-20-107	21
OK-88-20-16	3	OK-88-20-62	42	OK-88-20-108	32
OK-88-20-17	5	OK-88-20-63	43	OK-88-20-109	7
OK-88-20-18	4	OK-88-20-64	32	OK-88-20-110	1
OK-88-20-19	8	OK-88-20-65	46	OK-88-20-111	4
OK-88-20-20	3	OK-88-20-66	225	OK-88-20-112	7
OK-88-20-21	8	OK-88-20-67	615	OK-88-20-113	4
OK-88-20-22	2	OK-88-20-68	295	OK-88-20-114	11
OK-88-20-23	19	OK-88-20-69	62	OK-88-20-115	3
OK-88-20-24	17	OK-88-20-70	103	OK-88-20-116	26
OK-88-20-25	24	OK-88-20-71	81	OK-88-20-117	1
OK-88-20-26	75	OK-88-20-72	79	OK-88-20-118	2
OK-88-20-27	570	OK-88-20-73	52	OK-88-20-119	3
OK-88-20-28	810	OK-88-20-74	295		
OK-88-20-29	132	OK-88-20-75	265		
OK-88-20-30	260	OK-88-20-76	355	OK-88-20-120	3
OK-88-20-31	135	OK-88-20-77	310	OK-88-20-121	1
OK-88-20-32	118	OK-88-20-78	1570	OK-88-20-122	1
OK-88-20-33	610	OK-88-20-79	2580	OK-88-20-123	44
OK-88-20-34	115	OK-88-20-80	12045	OK-88-20-124	1
OK-88-20-35	97	OK-88-20-81	5780	OK-88-20-125	1
OK-88-20-36	51	OK-88-20-82	285	OK-88-20-126	1
OK-88-20-37	63	OK-88-20-83	136	OK-88-20-127	1
OK-88-20-38	16			OK-88-20-128	1
OK-88-20-39	15			OK-88-20-129	2
OK-88-20-40	36	OK-88-20-84	305		
OK-88-20-41	79	OK-88-20-85	54	OK-88-20-130	3
		OK-88-20-86	49	OK-88-20-131	34
OK-88-20-42	43	OK-88-20-87	42	OK-88-20-132	5
OK-88-20-43	48	OK-88-20-88	65	OK-88-20-133	46
OK-88-20-44	13			OK-88-20-134	9
OK-88-20-45	21	OK-88-20-89	2		
OK-88-20-46	12	OK-88-20-90	6	OK-88-20-135	2
		OK-88-20-91	14	OK-88-20-136	1
OK-88-20-47	47	OK-88-20-92	4	OK-88-20-137	6
		OK-88-20-93	12	OK-88-20-138	14
				OK-88-20-139	1
OK-88-20-48	57	OK-88-20-94	68		
OK-88-20-49	32	OK-88-20-95	3	OK-88-20-140	1
OK-88-20-50	143	OK-88-20-96	11		
OK-88-20-51	41	OK-88-20-97	3		
OK-88-20-52	36	OK-88-20-98	1		
OK-88-20-53	69	OK-88-20-99	2		
OK-88-20-54	24	OK-88-20-100	16		
OK-88-20-55	37	OK-88-20-101	15		
OK-88-20-56	28	OK-88-20-102	21		
OK-88-20-57	64	OK-88-20-103	10		

JAN 12 89

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

DATE RECEIVED: JAN 12 1989

DATE REPORT MAILED: *Jan. 17/89..*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY *C. Leong* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA FILE # 88-1921R

SAMPLE#	AU oz/t
OK-88-15-102	.156
OK-88-15-103	.077
OK-88-16-125	.039
OK-88-16-140	.105
OK-88-20-78	.038
OK-88-20-79	.077
OK-88-20-80	.436
OK-88-20-81	.153

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: AUG 19 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

Aug. 30 / 88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

AU** BY FIRE ASSAY FROM 1/2" A.T.

SEPT 0 1988
CC SWS

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA FILE # 88-1921R

File 88-1921R

SAMPLE#	AU** oz/t
OK-88-15-102	.150
OK-88-15-103	.095
OK-88-16-125	.030
OK-88-16-140	.106
OK-88-20-78	.048
OK-88-20-79	.078
OK-88-20-80	.394
OK-88-20-81	.151

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

DATE RECEIVED: JAN 12 1989

JAN 12 89

DATE REPORT MAILED: Jan. 17/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY... *C. Leung* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA FILE # 88-1973R

SAMPLE# AU
oz/t

OK-88-21-79 .089

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: AUG 19 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

Aug 30/88

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

SEPT 01

CC SWS

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA FILE # 88-1973R

SAMPLE# AU**
oz/t

OK-88-21-79 .098

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 14 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 24/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: DRILL CHIP
 AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

JUN 27 1988

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA File # 88-1973 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-15-125	2	OK-88-21-24	2	OK-88-21-60	35
OK-88-15-128	23	OK-88-21-25	1	OK-88-21-61	2
OK-88-15-129	260	OK-88-21-26	1	OK-88-21-62	28
OK-88-15-130	22	OK-88-21-27	6	OK-88-21-63	7
OK-88-15-131	8	OK-88-21-28	4	OK-88-21-64	27
OK-88-15-132	5	OK-88-21-29	2	OK-88-21-65	13
OK-88-15-133	1	OK-88-21-30	3	OK-88-21-66	2
OK-88-15-134	1	OK-88-21-31	2	OK-88-21-67	28
OK-88-15-136	1	OK-88-21-32	1	OK-88-21-68	850
OK-88-15-137	2	OK-88-21-33	2	OK-88-21-69	360
OK-88-15-138	1	OK-88-21-34	1	OK-88-21-70	73
OK-88-15-139	1	OK-88-21-35	5	OK-88-21-71	270
OK-88-15-140	1	OK-88-21-36	1	OK-88-21-72	360
OK-88-21-1	180	OK-88-21-37	1	OK-88-21-73	305
OK-88-21-2	13	OK-88-21-38	2	OK-88-21-74	126
OK-88-21-3	30	OK-88-21-39	3	OK-88-21-75	105
OK-88-21-4	19	OK-88-21-40	1	OK-88-21-76	55
OK-88-21-5	21	OK-88-21-41	1	OK-88-21-77	85
OK-88-21-6	16	OK-88-21-42	2	OK-88-21-78	265
OK-88-21-7	1	OK-88-21-43	1	OK-88-21-79	3420
OK-88-21-8	3	OK-88-21-44	1	OK-88-21-80	660
OK-88-21-9	18	OK-88-21-45	1	OK-88-21-81	88
OK-88-21-10	3	OK-88-21-46	1	OK-88-21-82	530
OK-88-21-11	18	OK-88-21-47	2	OK-88-21-83	58
OK-88-21-12	2	OK-88-21-48	1	OK-88-21-84	44
OK-88-21-13	6	OK-88-21-49	1	OK-88-21-85	295
OK-88-21-14	5	OK-88-21-50	2	OK-88-21-86	43
OK-88-21-15	6	OK-88-21-51	3	OK-88-22-1	1
OK-88-21-16	3	OK-88-21-52	3	OK-88-22-2	12
OK-88-21-17	1	OK-88-21-53	7	OK-88-22-3	5
OK-88-21-18	2	OK-88-21-54	3	OK-88-22-4	4
OK-88-21-19	6	OK-88-21-56	4	OK-88-22-5	14
OK-88-21-20	12	OK-88-21-57	2	OK-88-22-6	3
OK-88-21-21	6	OK-88-21-58	3	OK-88-22-7	6
OK-88-21-22	1	OK-88-21-59	154	OK-88-22-8	1
OK-88-21-23	1			OK-88-22-9	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-22-10	1	OK-88-23-16	1	OK-88-23-52	1
OK-88-22-11	3	OK-88-23-17	19	OK-88-23-53	2
OK-88-22-12	1	OK-88-23-18	23	OK-88-23-54	1
OK-88-22-13	3	OK-88-23-19	42	OK-88-23-55	1
OK-88-22-14	2	OK-88-23-20	38	OK-88-23-56	1
OK-88-22-15	1	OK-88-23-21	25	OK-88-23-57	4
OK-88-22-16	4	OK-88-23-22	18	OK-88-23-58	1
OK-88-22-17	3	OK-88-23-23	10	OK-88-23-59	1
OK-88-22-18	4	OK-88-23-24	18	OK-88-23-60	5
OK-88-22-19	9	OK-88-23-25	21	OK-88-23-61	4
OK-88-22-20	45	OK-88-23-26	4		
OK-88-22-21	5	OK-88-23-27	5		
OK-88-22-22	85	OK-88-23-28	1		
OK-88-22-23	205	OK-88-23-29	3		
OK-88-22-24	37	OK-88-23-30	6		
OK-88-22-25	23	OK-88-23-31	5		
OK-88-22-26	2	OK-88-23-32	2		
OK-88-22-27	3	OK-88-23-33	1		
OK-88-22-28	104	OK-88-23-34	8		
OK-88-22-29	41	OK-88-23-35	3		
OK-88-22-30	55	OK-88-23-36	5		
OK-88-23-1	15	OK-88-23-37	2		
OK-88-23-2	31	OK-88-23-38	1		
OK-88-23-3	21	OK-88-23-39	2		
OK-88-23-4	6	OK-88-23-40	2		
OK-88-23-5	8	OK-88-23-41	1		
OK-88-23-6	140	OK-88-23-42	5		
OK-88-23-7	68	OK-88-23-43	2		
OK-88-23-8	17	OK-88-23-44	1		
OK-88-23-9	10	OK-88-23-45	1		
OK-88-23-10	6	OK-88-23-46	1		
OK-88-23-11	8	OK-88-23-47	1		
OK-88-23-12	2	OK-88-23-48	2		
OK-88-23-13	1	OK-88-23-49	2		
OK-88-23-14	1	OK-88-23-50	1		
OK-88-23-15	1	OK-88-23-51	1		

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

DATE RECEIVED: JUN 20 1988

DATE REPORT MAILED: *June 29/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leung* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #19 File # 88-2130

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-23-62	1	88-23-98	27
88-23-63	4	88-23-99	1
88-23-64	1	88-23-100	4
88-23-65	1	88-23-101	1
88-23-66	1	88-23-102	1
88-23-67	1	88-23-103	1
88-23-68	4	88-23-104	2
88-23-69	1	88-23-105	1
88-23-70	14	88-23-106	1
88-23-71	2	88-23-107	14
88-23-72	1	88-23-108	1
88-23-73	26	88-23-109	11
88-23-74	1	88-23-110	5
88-23-75	1	88-23-111	1
88-23-76	1	88-23-112	1
88-23-77	1	88-23-113	1
88-23-78	2	88-23-114	5
88-23-79	1	88-23-115	1
88-23-80	1	88-23-116	1
88-23-81	1	88-23-117	1
88-23-82	3	88-23-118	1
88-23-83	1	88-23-119	1
88-23-84	2	88-23-120	2
88-23-85	1	88-23-121	1
88-23-86	77	88-23-122	1
88-23-87	1	88-23-123	1
88-23-88	14	88-23-124	1
88-23-89	11	88-23-125	1
88-23-90	21	88-23-126	1
88-23-91	1	88-23-127	2
88-23-92	1	88-23-128	1
88-23-93	2	88-23-129	2
88-23-94	1	88-23-130	1
88-23-95	3	88-23-131	3
88-23-96	1	88-23-132	4
88-23-97	2		

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

DATE RECEIVED: JUN 21 1988

DATE REPORT MAILED: *June 30/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #20 File # 88-2176 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-24-1	5	88-24-37	1	88-24-73	10
88-24-2	7	88-24-38	1	88-24-74	4
88-24-3	44	88-24-39	2	88-24-75	8
88-24-4	67	88-24-40	2	88-24-76	4
88-24-5	24	88-24-41	1	88-24-77	5
88-24-6	4	88-24-42	2	88-24-78	5
88-24-7	3	88-24-43	1	88-24-79	3
88-24-8	13	88-24-44	1	88-24-80	3
88-24-9	34	88-24-45	1	88-24-81	2
88-24-10	94	88-24-45	2	88-24-82	3
88-24-11	12	88-24-47	1	88-24-83	2
88-24-12	2	88-24-48	2	88-24-84	1
88-24-13	4	88-24-49	8	88-24-85	1
88-24-14	1	88-24-50	1	88-24-86	3
88-24-15	1	88-24-51	1	88-24-87	1
88-24-16	2	88-24-52	1	88-24-88	3
88-24-17	1	88-24-53	3	88-24-89	4
88-24-18	1	88-24-54	1	88-24-90	1
88-24-19	1	88-24-55	1	88-24-91	4
88-24-20	1	88-24-56	1	88-24-92	1
88-24-21	2	88-24-57	1	88-24-93	5
88-24-22	5	88-24-58	2	88-24-94	1
88-24-23	1	88-24-59	2	88-24-95	1
88-24-24	1	88-24-60	1	88-24-96	7
88-24-25	3	88-24-61	2	88-24-97	1
88-24-26	2	88-24-62	1	88-24-98	1
88-24-27	1	88-24-63	1	88-24-99	1
88-24-28	1	88-24-64	1	88-24-100	1
88-24-29	1	88-24-65	1	88-24-101	2
88-24-30	1	88-24-66	2	88-24-102	1
88-24-31	2	88-24-67	2	88-24-103	1
88-24-32	1	88-24-68	3	88-24-104	1
88-24-33	2	88-24-69	3	88-24-105	1
88-24-34	1	88-24-70	5	88-24-106	1
88-24-35	1	88-24-71	2	88-24-107	1
88-24-36	1	88-24-72	1	88-24-108	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-24-109	1	88-25-18	13	88-25-54	9
88-24-110	1	88-25-19	7	88-25-55	7
88-24-111	2	88-25-20	8	88-25-56	27
88-24-112	1	88-25-21	53	88-25-57	11
88-24-113	1	88-25-22	20	88-25-58	14
88-24-114	2	88-25-23	4	88-25-59	1
88-24-115	1	88-25-24	17	88-25-60	2
88-24-116	4	88-25-25	29	88-25-61	7
88-24-117	1	88-25-26	30	88-25-62	10
88-24-118	1	88-25-27	8	88-25-63	10
88-24-119	2	88-25-28	23	88-25-64	10
88-24-120	2	88-25-29	55	88-25-65	1
88-24-121	2	88-25-30	94	88-25-66	1
88-24-122	1	88-25-31	84	88-25-67	1
88-24-123	1	88-25-32	28	88-25-68	5
88-24-124	2	88-25-33	21	88-25-69	20
88-24-125	1	88-25-34	7	88-25-70	28
88-24-126	1	88-25-35	1	88-25-71	42
88-24-127	1	88-25-36	15	88-25-72	105
88-24-128	1	88-25-37	3	88-25-73	185
88-25-2	13	88-25-38	1	88-25-74	44
88-25-3	12	88-25-39	8	88-25-75	38
88-25-4	18	88-25-40	21	88-25-76	19
88-25-5	210	88-25-41	1	88-25-77	21
88-25-6	20	88-25-42	2	88-25-78	2
88-25-7	18	88-25-43	1	88-25-79	28
88-25-8	15	88-25-44	8	88-25-80	22
88-25-9	6	88-25-45	31	88-25-81	9
88-25-10	12	88-25-46	13	88-25-82	12
88-25-11	9	88-25-47	1	88-25-83	112
88-25-12	16	88-25-48	1		
88-25-13	13	88-25-49	3		
88-25-14	11	88-25-50	14		
88-25-15	4	88-25-51	1		
88-25-16	6	88-25-52	8		
88-25-17	5	88-25-53	1		

JAN 23 89
CC: ERK...

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: Jan 20/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY..... *C. Long* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA FILE # 88-2315R

SAMPLE#	AU
	oz/t
OK-88-26-69	.114

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

DATE RECEIVED: AUG 19 1988

DATE REPORT MAILED: *Aug. 30/88...*

ASSAY CERTIFICATE

SEP 07
CC 3WS

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA FILE # 88-2315R

SAMPLE#	AU**
	oz/t

OK-88-26-69	.414
-------------	------

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JUNE 27 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

July 5, 1988

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: DRILL CHIP

JUL 06 88

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #21 File # 88-2315 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-14-62	1	OK-88-25-119	9	OK-88-26-28	13
OK-88-25-84	8	OK-88-25-120	7	OK-88-26-20	47
OK-88-25-85	8	OK-88-25-121	5	OK-88-26-30	16
OK-88-25-86	4	OK-88-25-122	30	OK-88-26-31	12
OK-88-25-87	25	OK-88-25-123	9	OK-88-26-32	9
OK-88-25-88	3	OK-88-25-124	11	OK-88-26-33	17
OK-88-25-89	10	OK-88-25-125	1	OK-88-26-34	41
OK-88-25-90	17	OK-88-25-126	29	OK-88-26-35	15
OK-88-25-91	14	OK-88-25-127	102	OK-88-26-36	14
OK-88-25-92	7	OK-88-25-128	405	OK-88-26-37	8
OK-88-25-93	11	OK-88-26-2	14	OK-88-26-38	15
OK-88-25-94	24	OK-88-26-3	12	OK-88-26-39	7
OK-88-25-95	26	OK-88-26-4	13	OK-88-26-40	6
OK-88-25-96	8	OK-88-26-5	19	OK-88-26-41	1
OK-88-25-97	4	OK-88-26-6	1	OK-88-26-42	4
OK-88-25-98	1	OK-88-26-7	4	OK-88-26-43	1
OK-88-25-99	1	OK-88-26-8	1	OK-88-26-44	1
OK-88-25-100	5	OK-88-26-9	5	OK-88-26-45	6
OK-88-25-101	12	OK-88-26-10	5	OK-88-26-46	19
OK-88-25-102	12	OK-88-26-11	3	OK-88-26-47	10
OK-88-25-103	10	OK-88-26-12	1	OK-88-26-48	34
OK-88-25-104	6	OK-88-26-13	1	OK-88-26-49	7
OK-88-25-105	8	OK-88-26-14	1	OK-88-26-50	5
OK-88-25-106	280	OK-88-26-15	5	OK-88-26-51	8
OK-88-25-107	11	OK-88-26-16	7	OK-88-26-52	4
OK-88-25-108	15	OK-88-26-17	12	OK-88-26-53	4
OK-88-25-109	11	OK-88-26-18	20	OK-88-26-54	6
OK-88-25-110	9	OK-88-26-19	11	OK-88-26-55	8
OK-88-25-111	6	OK-88-26-20	11	OK-88-26-56	2
OK-88-25-112	9	OK-88-26-21	4	OK-88-26-57	3
OK-88-25-113	26	OK-88-26-22	17	OK-88-26-58	18
OK-88-25-114	20	OK-88-26-23	9	OK-88-26-59	5
OK-88-25-115	26	OK-88-26-24	31	OK-88-26-60	6
OK-88-25-116	6	OK-88-26-25	8	OK-88-26-61	5
OK-88-25-117	8	OK-88-26-26	48	OK-88-26-62	1
OK-88-25-118	19	OK-88-26-27	34	OK-88-26-63	2

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-26-64	9	OK-88-27-21	89	OK-88-27-57	14
OK-88-26-65	6	OK-88-27-22	34	OK-88-27-58	540
OK-88-26-66	5	OK-88-27-23	33	OK-88-27-59	81
OK-88-26-67	25	OK-88-27-24	37	OK-88-27-60	8
OK-88-26-68	20	OK-88-27-25	41	OK-88-27-61	12
OK-88-26-69	14330	OK-88-27-26	52	OK-88-27-62	4
OK-88-26-70	535	OK-88-27-27	137	OK-88-27-63	25
OK-88-26-71	521	OK-88-27-28	79	OK-88-27-64	6
OK-88-26-72	137	OK-88-27-29	62	OK-88-27-65	3
OK-88-26-73	74	OK-88-27-30	123	OK-88-27-66	2
OK-88-26-74	132	OK-88-27-31	155	OK-88-27-67	16
OK-88-26-75	78	OK-88-27-32	693	OK-88-27-68	86
OK-88-26-76	60	OK-88-27-33	412	OK-88-27-69	290
OK-88-26-77	48	OK-88-27-34	67	OK-88-27-70	33
OK-88-26-78	75	OK-88-27-35	70	OK-88-27-71	57
OK-88-26-79	64	OK-88-27-36	40	OK-88-27-72	34
OK-88-26-80	74	OK-88-27-37	180	OK-88-27-73	55
OK-88-27-2	23	OK-88-27-38	108	OK-88-27-74	45
OK-88-27-3	72	OK-88-27-39	70	OK-88-27-75	39
OK-88-27-4	64	OK-88-27-40	13	OK-88-27-76	83
OK-88-27-5	84	OK-88-27-41	58	OK-88-27-77	230
OK-88-27-6	53	OK-88-27-42	7	OK-88-27-78	24
OK-88-27-7	86	OK-88-27-43	16	OK-88-27-79	20
OK-88-27-8	210	OK-88-27-44	14	OK-88-27-80	23
OK-88-27-9	590	OK-88-27-45	20	OK-88-28-1	47
OK-88-27-10	205	OK-88-27-46	65	OK-88-28-2	150
OK-88-27-11	93	OK-88-27-47	19	OK-88-28-3	74
OK-88-27-12	675	OK-88-27-48	45	OK-88-28-4	525
OK-88-27-13	76	OK-88-27-49	41	OK-88-28-5	31
OK-88-27-14	57	OK-88-27-50	18	OK-88-28-6	49
OK-88-27-15	39	OK-88-27-51	15	OK-88-28-7	15
OK-88-27-16	106	OK-88-27-52	16	OK-88-28-8	24
OK-88-27-17	17	OK-88-27-53	18	OK-88-28-9	23
OK-88-27-18	65	OK-88-27-54	53	OK-88-28-10	28
OK-88-27-19	78	OK-88-27-55	22	OK-88-28-11	42
OK-88-27-20	380	OK-88-27-56	15	OK-88-28-12	550

SAMPLE#	AU* ppb
OK-88-28-13	62
OK-88-28-14	21
OK-88-28-15	47
OK-88-28-16	1
OK-88-28-17	4
OK-88-28-18	5
OK-88-28-19	32
OK-88-28-20	7
OK-88-28-21	5
OK-88-28-22	18
OK-88-28-23	9
OK-88-28-24	5
OK-88-28-25	7
OK-88-28-26	5
OK-88-28-27	19
OK-88-28-28	1
OK-88-28-29	7
OK-88-28-30	15
OK-88-28-31	87
OK-88-28-32	95
OK-88-28-33	37
OK-88-28-34	72
OK-88-28-35	480
OK-88-28-36	21
OK-88-28-37	19
OK-88-28-38	11
OK-88-28-39	1
OK-88-28-40	86

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

DATE RECEIVED: JUNE 28 1988

DATE REPORT MAILED: *July 8/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE JUL 1 1988

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #22 File # 88-2395

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
88-28-41	42	88-28-77	4	88-29-34	12	88-29-70	14
88-28-42	36	88-28-78	1	88-29-35	31	88-29-71	9
88-28-43	5	88-28-79	5	88-29-36	275	88-29-72	30
88-28-44	130	88-28-80	1	88-29-37	66	88-29-73	8
88-28-45	22	88-29-2	1	88-29-38	430	88-29-74	33
88-28-46	15	88-29-3	13	88-29-39	71	88-29-75	21
88-28-47	10	88-29-4	9	88-29-40	11	88-29-76	22
88-28-48	20	88-29-5	21	88-29-41	26	88-29-77	10
88-28-49	21	88-29-6	4	88-29-42	6	88-29-78	2
88-28-50	14	88-29-7	19	88-29-43	4	88-29-79	9
88-28-51	48	88-29-8	30	88-29-44	4	88-29-80	10
88-28-52	27	88-29-9	1	88-29-45	4	88-29-81	59
88-28-53	7	88-29-10	6	88-29-46	2	88-29-82	4
88-28-54	9	88-29-11	81	88-29-47	410	88-30-2	46
88-28-55	15	88-29-12	12	88-29-48	11	88-30-3	78
88-28-56	9	88-29-13	36	88-29-49	15	88-30-4	25
88-28-57	17	88-29-14	12	88-29-50	5	88-30-5	54
88-28-58	31	88-29-15	9	88-29-51	5	88-30-6	21
88-28-59	8	88-29-16	23	88-29-52	14	88-30-7	53
88-28-60	6	88-29-17	6	88-29-53	5	88-30-8	36
88-28-61	1	88-29-18	19	88-29-54	27	88-30-9	56
88-28-62	18	88-29-19	5	88-29-55	10	88-30-10	41
88-28-63	8	88-29-20	8	88-29-56	3	88-30-11	11
88-28-64	8	88-29-21	1	88-29-57	11	88-30-12	31
88-28-65	21	88-29-22	1	88-29-58	2	88-30-13	43
88-28-66	10	88-29-23	4	88-29-59	6		
88-28-67	8	88-29-24	1	88-29-60	9		
88-28-68	41	88-29-25	5	88-29-61	86		
88-28-69	20	88-29-26	3	88-29-62	9		
88-28-70	13	88-29-27	4	88-29-63	6		
88-28-71	10	88-29-28	5	88-29-64	6		
88-28-72	23	88-29-29	5	88-29-65	5		
88-28-73	8	88-29-30	3	88-29-66	5		
88-28-74	7	88-29-31	6	88-29-67	6		
88-28-75	1	88-29-32	6	88-29-68	6		
88-28-76	4	88-29-33	1	88-29-69	13		

JAN 17. 89

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Jan. 16. 89.*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY *C. Long*. D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING FILE # ^{#23} 88-2464R

SAMPLE# AU
oz/t

OK-88-31-02 .055

JAN 17 1989

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Jan. 16/89.*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY *C. Leong* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #23 FILE # 88-2485R

SAMPLE#	AU oz/t
OK-88-32-31	.047
OK-88-32-89	.041

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: SEP 1 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

Sept. 17/88

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

SEP 20

ASSAYER: *C. Leong*... D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #23 FILE # 88-2485R

SAMPLE#	AU oz/t	AU oz/t	AU oz/t	AU** oz/t
OK-88-32-89	.082	.051	.538	.060

Sample contains native Au.

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: AUG 19 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Aug. 31/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #23 FILE # 88-2464R ^{SEPT 01}
cc JWS

SAMPLE# AU**
oz/t

OK-88-31-02 .061

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: AUG 19 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED:

Aug. 30/88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY ~~SEEN~~ *12 A.T. 10*
cc JWS

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #23 FILE # 88-2485R

SAMPLE#	AU** oz/t
OK-88-32-31	.048
OK-88-32-89	.107

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JULY 04 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

July 12/88

GEOCHEMICAL ANALYSIS CERTIFICATE

JUL 13 1988

- SAMPLE TYPE: CUTTING

AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #23 File # 88-2464 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-30-14	20	OK-88-30-50	34	OK-88-31-08	5
OK-88-30-15	53	OK-88-30-51	13	OK-88-31-09	8
OK-88-30-16	56	OK-88-30-52	8	OK-88-31-10	4
OK-88-30-17	73	OK-88-30-53	17	OK-88-31-11	6
OK-88-30-18	122	OK-88-30-54	27	OK-88-31-12	4
OK-88-30-19	550	OK-88-30-55	8	OK-88-31-13	1
OK-88-30-20	225	OK-88-30-56	1	OK-88-31-14	7
OK-88-30-21	133	OK-88-30-57	15	OK-88-31-15	1
OK-88-30-22	69	OK-88-30-58	19	OK-88-31-16	4
OK-88-30-23	46	OK-88-30-59	18	OK-88-31-17	1
OK-88-30-24	90	OK-88-30-60	30	OK-88-31-18	1
OK-88-30-25	86	OK-88-30-61	17	OK-88-31-19	11
OK-88-30-26	28	OK-88-30-62	4	OK-88-31-20	10
OK-88-30-27	34	OK-88-30-63	4	OK-88-31-21	23
OK-88-30-28	29	OK-88-30-64	1	OK-88-31-22	5
OK-88-30-29	8	OK-88-30-65	3	OK-88-31-23	6
OK-88-30-30	41	OK-88-30-66	5	OK-88-31-24	22
OK-88-30-31	19	OK-88-30-67	2	OK-88-31-25	21
OK-88-30-32	129	OK-88-30-68	2	OK-88-31-26	11
OK-88-30-33	84	OK-88-30-69	4	OK-88-31-27	1
OK-88-30-34	18	OK-88-30-70	8	OK-88-31-28	11
OK-88-30-35	28	OK-88-30-71	3	OK-88-31-29	17
OK-88-30-36	22	OK-88-30-72	6	OK-88-31-30	10
OK-88-30-37	13	OK-88-30-73	13	OK-88-31-31	5
OK-88-30-38	15	OK-88-30-74	10	OK-88-31-34	4
OK-88-30-39	17	OK-88-30-75	12	OK-88-31-35	2
OK-88-30-40	12	OK-88-30-76	12	OK-88-31-36	13
OK-88-30-41	11	OK-88-30-77	25	OK-88-31-37	7
OK-88-30-42	11	OK-88-30-78	2	OK-88-31-40	30
OK-88-30-43	10	OK-88-30-79	3	OK-88-31-42	16
OK-88-30-44	138	OK-88-30-80	15	OK-88-31-43	15
OK-88-30-45	39	OK-88-31-02	3380	OK-88-31-44	8
OK-88-30-46	14	OK-88-31-04	10	OK-88-31-45	1
OK-88-30-47	3	OK-88-31-05	22	OK-88-31-46	6
OK-88-30-48	2	OK-88-31-06	33	OK-88-31-47	2
OK-88-30-49	4	OK-88-31-07	36	OK-88-31-48	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-31-49	8	OK-88-31-85	1	OK-88-32-09	30
OK-88-31-50	3	OK-88-31-86	1	OK-88-32-10	28
OK-88-31-51	4	OK-88-31-87	5	OK-88-32-11	23
OK-88-31-52	16	OK-88-31-88	28	OK-88-32-12	50
OK-88-31-53	7	OK-88-31-89	240	OK-88-32-13	11
OK-88-31-54	4	OK-88-31-90	2	OK-88-32-14	41
OK-88-31-55	15	OK-88-31-91	6	OK-88-32-15	18
OK-88-31-56	2	OK-88-31-92	1	OK-88-32-16	21
OK-88-31-57	2	OK-88-31-93	10	OK-88-32-17	92
OK-88-31-58	13	OK-88-31-94	39		
OK-88-31-59	12	OK-88-31-95	28		
OK-88-31-60	15	OK-88-31-96	6		
OK-88-31-61	26	OK-88-31-97	8		
OK-88-31-62	5	OK-88-31-98	54		
OK-88-31-63	6	OK-88-31-99	11		
OK-88-31-64	1	OK-88-31-100	10		
OK-88-31-65	4	OK-88-31-101	1		
OK-88-31-66	1	OK-88-31-102	1		
OK-88-31-67	2	OK-88-31-103	1		
OK-88-31-68	1	OK-88-31-104	1		
OK-88-31-69	1	OK-88-31-105	2		
OK-88-31-70	3	OK-88-31-106	1		
OK-88-31-71	3	OK-88-31-107	2		
OK-88-31-72	9	OK-88-31-108	1		
OK-88-31-73	51	OK-88-31-109	1		
OK-88-31-74	29	OK-88-31-110	2		
OK-88-31-75	6	OK-88-31-111	2		
OK-88-31-76	8	OK-88-31-112	1		
OK-88-31-77	24	OK-88-31-113	2		
OK-88-31-78	69	OK-88-32-02	480		
OK-88-31-79	20	OK-88-32-03	47		
OK-88-31-80	6	OK-88-32-04	112		
OK-88-31-81	2	OK-88-32-05	265		
OK-88-31-82	11	OK-88-32-06	355		
OK-88-31-83	7	OK-88-32-07	325		
OK-88-31-84	2	OK-88-32-08	31		

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

DATE RECEIVED: JULY 05 1988

DATE REPORT MAILED: *July 12/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTINGS
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #23 File # 88-2485

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-31-03	430	OK-88-32-48	11	OK-88-32-84	9
OK-88-31-32	18	OK-88-32-49	18	OK-88-32-85	4
OK-88-31-33	11	OK-88-32-50	8	OK-88-32-86	17
OK-88-31-38	1	OK-88-32-51	88	OK-88-32-87	1
OK-88-31-39	15	OK-88-32-52	24	OK-88-32-88	9
OK-88-31-41	18	OK-88-32-53	37	OK-88-32-89	7070
OK-88-32-18	7	OK-88-32-54	151	OK-88-32-90	360
OK-88-32-19	28	OK-88-32-55	21	OK-88-32-91	18
OK-88-32-20	36	OK-88-32-56	5	OK-88-32-92	22
OK-88-32-21	45	OK-88-32-57	7	OK-88-32-93	25
OK-88-32-22	51	OK-88-32-58	37	OK-88-32-94	36
OK-88-32-23	1	OK-88-32-59	19	OK-88-32-95	2
OK-88-32-24	1	OK-88-32-60	11	OK-88-32-96	1
OK-88-32-25	6	OK-88-32-61	6	OK-88-32-97	1
OK-88-32-26	139	OK-88-32-62	24	OK-88-32-98	106
OK-88-32-27	22	OK-88-32-63	13	OK-88-32-99	13
OK-88-32-28	1	OK-88-32-64	7	OK-88-32-100	68
OK-88-32-29	2	OK-88-32-65	11	OK-88-32-101	29
OK-88-32-30	10	OK-88-32-66	12	OK-88-32-102	19
OK-88-32-31	1520	OK-88-32-67	8	OK-88-32-103	10
OK-88-32-32	650	OK-88-32-68	6	OK-88-32-104	1
OK-88-32-33	64	OK-88-32-69	15	OK-88-32-105	1
OK-88-32-34	3	OK-88-32-70	4	OK-88-32-106	3
OK-88-32-35	1	OK-88-32-71	8	OK-88-32-107	6
OK-88-32-36	12	OK-88-32-72	8	OK-88-32-108	23
OK-88-32-37	10	OK-88-32-73	22	OK-88-32-109	18
OK-88-32-38	17	OK-88-32-74	6	OK-88-32-110	9
OK-88-32-39	14	OK-88-32-75	16	OK-88-32-111	4
OK-88-32-40	43	OK-88-32-76	6	OK-88-32-112	1
OK-88-32-41	132	OK-88-32-77	4	OK-88-32-113	1
OK-88-32-42	18	OK-88-32-78	10	OK-88-32-114	3
OK-88-32-43	22	OK-88-32-79	6	OK-88-32-115	2
OK-88-32-44	1	OK-88-32-80	5	OK-88-32-116	3
OK-88-32-45	23	OK-88-32-81	3	OK-88-32-117	51
OK-88-32-46	46	OK-88-32-82	37	OK-88-32-118	19
OK-88-32-47	9	OK-88-32-83	16	OK-88-32-119	5

JAN 17. 89

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JAN 12 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *Jan. 16/89*

ASSAY CERTIFICATE

- SAMPLE TYPE: REJECT AU - 20 GM REGULAR ASSAY.

SIGNED BY... *C. Leong* D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS
CORDILLERAN ENGINEERING PROJECT-OKA #24 FILE # 88-2486R

SAMPLE# AU
oz/t

OK-88-34-7 .014

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

DATE RECEIVED: JUL 5 1988

DATE REPORT MAILED: *Aug. 31/88..*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

SEPT 01 88

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

cc JWS

CORDILLERAN ENGINEERING PROJECT OKA #24 FILE # 88-2486R

SAMPLE#	AU** oz/t
OK-88-34-7	.064

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JULY 05 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *July 12/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTINGS
 AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #24 File # 88-2486 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-33-2	250	OK-88-33-38	1	OK-88-33-74	4
OK-88-33-3	146	OK-88-33-39	1	OK-88-33-75	1
OK-88-33-4	139	OK-88-33-40	28	OK-88-33-76	1
OK-88-33-5	42	OK-88-33-41	2	OK-88-33-77	55
OK-88-33-6	73	OK-88-33-42	1	OK-88-33-78	1
OK-88-33-7	11	OK-88-33-43	1	OK-88-33-79	7
OK-88-33-8	4	OK-88-33-44	3	OK-88-33-80	33
OK-88-33-9	13	OK-88-33-45	6	OK-88-33-81	1
OK-88-33-10	1	OK-88-33-46	2	OK-88-33-82	2
OK-88-33-11	1	OK-88-33-47	18	OK-88-33-83	3
OK-88-33-12	1	OK-88-33-48	9	OK-88-34-1	58
OK-88-33-13	7	OK-88-33-49	4	OK-88-34-2	50
OK-88-33-14	19	OK-88-33-50	1	OK-88-34-3	11
OK-88-33-15	18	OK-88-33-51	1	OK-88-34-4	305
OK-88-33-16	7	OK-88-33-52	1	OK-88-34-5	32
OK-88-33-17	1	OK-88-33-53	46	OK-88-34-6	3
OK-88-33-18	1	OK-88-33-54	1	OK-88-34-7	1040
OK-88-33-19	1	OK-88-33-55	39	OK-88-34-8	63
OK-88-33-20	16	OK-88-33-56	17	OK-88-34-9	49
OK-88-33-21	1	OK-88-33-57	4	OK-88-34-10	128
OK-88-33-22	3	OK-88-33-58	11	OK-88-34-11	126
OK-88-33-23	76	OK-88-33-59	15	OK-88-34-12	48
OK-88-33-24	4	OK-88-33-60	19	OK-88-34-13	20
OK-88-33-25	1	OK-88-33-61	1	OK-88-34-14	7
OK-88-33-26	1	OK-88-33-62	5	OK-88-34-15	6
OK-88-33-27	1	OK-88-33-63	1	OK-88-34-16	24
OK-88-33-28	3	OK-88-33-64	1	OK-88-34-17	5
OK-88-33-29	5	OK-88-33-65	3	OK-88-34-18	1
OK-88-33-30	7	OK-88-33-66	7	OK-88-34-19	1
OK-88-33-31	2	OK-88-33-67	1	OK-88-34-20	3
OK-88-33-32	7	OK-88-33-68	12	OK-88-34-21	44
OK-88-33-33	1	OK-88-33-69	1	OK-88-34-22	3
OK-88-33-34	1	OK-88-33-70	37	OK-88-34-23	4
OK-88-33-35	17	OK-88-33-71	69	OK-88-34-24	1
OK-88-33-36	3	OK-88-33-72	40	OK-88-34-25	5
OK-88-33-37	4	OK-88-33-73	14	OK-88-34-26	1

SAMPLE#	AU* ppb
OK-88-34-27	3
OK-88-34-28	1
OK-88-34-29	16
OK-88-34-30	355
OK-88-34-31	93
OK-88-34-32	18
OK-88-34-33	139
OK-88-34-34	194
OK-88-34-35	68
OK-88-34-36	90
OK-88-34-37	9
OK-88-34-38	7
OK-88-34-39	1
OK-88-34-40	11
OK-88-34-41	47
OK-88-34-42	57
OK-88-34-43	17
OK-88-34-44	13
OK-88-34-45	1
OK-88-34-46	1
OK-88-34-47	4
OK-88-34-48	10
OK-88-34-49	1
OK-88-34-50	1
OK-88-34-51	1
OK-88-34-52	2
OK-88-34-53	3
OK-88-34-54	2
OK-88-34-55	2
OK-88-34-56	1
OK-88-34-57	1
OK-88-34-58	24
OK-88-34-59	3
OK-88-34-60	1
OK-88-34-70	2

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
 JUL 18 88
 AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #25 File # 88-2625 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-34-61	2	OK-88-35-19	4	OK-88-35-55	19
OK-88-34-62	3	OK-88-35-20	3	OK-88-35-56	9
OK-88-34-63	58	OK-88-35-21	1	OK-88-35-57	10
OK-88-34-64	20	OK-88-35-22	5	OK-88-35-58	18
OK-88-34-65	14	OK-88-35-23	13	OK-88-35-59	17
OK-88-34-66	31	OK-88-35-24	1	OK-88-35-60	15
OK-88-34-67	4	OK-88-35-25	23	OK-88-35-61	17
OK-88-34-68	7	OK-88-35-26	7	OK-88-35-62	12
OK-88-34-69	1	OK-88-35-27	3	OK-88-35-63	15
OK-88-34-71	2	OK-88-35-28	9	OK-88-35-64	10
OK-88-34-72	1	OK-88-35-29	6	OK-88-35-65	16
OK-88-34-73	1	OK-88-35-30	265	OK-88-35-66	17
OK-88-34-74	2	OK-88-35-31	19	OK-88-35-67	19
OK-88-34-75	1	OK-88-35-32	12	OK-88-35-68	3
OK-88-34-76	1	OK-88-35-33	17	OK-88-35-69	9
OK-88-34-77	1	OK-88-35-34	23	OK-88-35-70	10
OK-88-34-78	3	OK-88-35-35	14	OK-88-35-71	91
OK-88-34-79	2	OK-88-35-36	3	OK-88-35-72	29
OK-88-35-1	2	OK-88-35-37	20	OK-88-35-73	12
OK-88-35-2	12	OK-88-35-38	11	OK-88-35-74	16
OK-88-35-3	3	OK-88-35-39	10	OK-88-35-75	24
OK-88-35-4	5	OK-88-35-40	6	OK-88-35-76	9
OK-88-35-5	3	OK-88-35-41	10	OK-88-35-77	3
OK-88-35-6	5	OK-88-35-42	4	OK-88-35-78	5
OK-88-35-7	1	OK-88-35-43	5	OK-88-35-79	6
OK-88-35-8	2	OK-88-35-44	4	OK-88-35-80	11
OK-88-35-9	1	OK-88-35-45	8	OK-88-36-2	44
OK-88-35-10	1	OK-88-35-46	6	OK-88-36-3	94
OK-88-35-11	12	OK-88-35-47	5	OK-88-36-4	30
OK-88-35-12	4	OK-88-35-48	11	OK-88-36-5	16
OK-88-35-13	8	OK-88-35-49	3	OK-88-36-6	24
OK-88-35-14	5	OK-88-35-50	6	OK-88-36-7	14
OK-88-35-15	115	OK-88-35-51	15	OK-88-36-8	10
OK-88-35-16	18	OK-88-35-52	11	OK-88-36-9	39
OK-88-35-17	8	OK-88-35-53	19	OK-88-36-10	20
OK-88-35-18	1	OK-88-35-54	16	OK-88-36-11	12

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-36-12	7	OK-88-37A-8	23	OK-88-37A-64	14
OK-88-36-13	1	OK-88-37A-9	12	OK-88-37A-65	5
OK-88-36-14	2	OK-88-37A-10	10	OK-88-37A-66	6
OK-88-36-15	8	OK-88-37A-11	12	OK-88-37A-67	5
OK-88-36-16	2	OK-88-37A-12	8	OK-88-37A-68	6
OK-88-36-17	31	OK-88-37A-13	18	OK-88-37A-69	5
OK-88-36-18	9	OK-88-37A-14	225	OK-88-37A-70	3
OK-88-36-19	2	OK-88-37A-15	44		
OK-88-36-20	1	OK-88-37A-16	96		
OK-88-36-21	1	OK-88-37A-17	86		
OK-88-36-22	1	OK-88-37A-18	505		
OK-88-36-23	5	OK-88-37A-19	95		
OK-88-36-24	1	OK-88-37A-20	131		
OK-88-37-1	4	OK-88-37A-21	52		
OK-88-37-2	3	OK-88-37A-22	35		
OK-88-37-3	4	OK-88-37A-23	88		
OK-88-37-4	24	OK-88-37A-24	156		
OK-88-37-5	12	OK-88-37A-25	85		
OK-88-37-6	28	OK-88-37A-26	31		
OK-88-37-7	14	OK-88-37A-27	61		
OK-88-37-8	3	OK-88-37A-48	3		
OK-88-37-9	3	OK-88-37A-49	20		
OK-88-37-10	24	OK-88-37A-50	4		
OK-88-37-11	5	OK-88-37A-51	1		
OK-88-37-12	760	OK-88-37A-52	12		
OK-88-37-13	27	OK-88-37A-53	2		
OK-88-37-14	47	OK-88-37A-54	1		
OK-88-37-15	58	OK-88-37A-55	1		
OK-88-37-16	25	OK-88-37A-56	3		
OK-88-37-17	21	OK-88-37A-57	1		
OK-88-37-18	4	OK-88-37A-58	3		
OK-88-37A-3	15	OK-88-37A-59	1		
OK-88-37A-4	2	OK-88-37A-60	1		
OK-88-37A-5	2	OK-88-37A-61	2		
OK-88-37A-6	66	OK-88-37A-62	1		
OK-88-37A-7	8	OK-88-37A-63	4		

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
 AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA#26 File # 88-2685 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-37-19	41	OK-88-38-27	18	OK-88-37A-85	26
OK-88-37-20	40	OK-88-38-28	42	OK-88-37A-86	6
OK-88-37-28	43	OK-88-38-29	28	OK-88-37A-87	2
OK-88-37-29	19	OK-88-38-30	45	OK-88-37A-88	14
OK-88-37-30	21	OK-88-38-31	54	OK-88-37A-89	1
OK-88-37-31	29	OK-88-38-32	30	OK-88-37A-90	1
OK-88-37-32	23	OK-88-38-33	64	OK-88-37A-91	1
OK-88-37-33	26	OK-88-38-34	55	OK-88-37A-92	1
OK-88-37-34	19	OK-88-38-35	56	OK-88-37A-93	1
OK-88-37-35	13	OK-88-38-36	27	OK-88-37-94	2
OK-88-37-36	27	OK-88-38-37	17	OK-88-37-95	1
OK-88-37-37	38	OK-88-38-38	9	OK-88-37-96	9
OK-88-37-38	20	OK-88-38-39	12	OK-88-38-3	38
OK-88-37-39	58	OK-88-38-40	7	OK-88-38-4	245
OK-88-37-40	23	OK-88-38-41	6	OK-88-38-5	92
OK-88-37-41	3	OK-88-38-42	9	OK-88-38-6	116
OK-88-37-42	2	OK-88-38-43	12	OK-88-38-7	68
OK-88-37-43	14	OK-88-38-44	17	OK-88-38-8	37
OK-88-37-44	5	OK-88-38-45	46	OK-88-38-9	12
OK-88-37-45	2	OK-88-38-46	9	OK-88-38-10	18
OK-88-37-46	13	OK-88-38-47	11	OK-88-38-11	56
OK-88-37-47	5	OK-88-38-48	4	OK-88-38-12	72
OK-88-37A-71	1	OK-88-38-49	20	OK-88-38-13	19
OK-88-37A-72	1	OK-88-38-50	117	OK-88-38-14	28
OK-88-37A-73	1	OK-88-38-51	15	OK-88-38-15	4
OK-88-37A-74	1	OK-88-38-52	8	OK-88-38-16	9
OK-88-37A-75	1	OK-88-38-53	3	OK-88-38-17	25
OK-88-37A-76	2	OK-88-38-54	22	OK-88-38-18	58
OK-88-37A-77	1	OK-88-38-55	13	OK-88-38-19	16
OK-88-37A-78	1	OK-88-38-56	1	OK-88-38-20	19
OK-88-37A-79	1	OK-88-38-57	5	OK-88-38-21	98
OK-88-37A-80	3	OK-88-38-58	10	OK-88-38-22	46
OK-88-37A-81	5	OK-88-38-59	28	OK-88-38-23	148
OK-88-37A-82	1	OK-88-38-60	7	OK-88-38-24	122
OK-88-37A-83	2	OK-88-38-61	11	OK-88-38-25	14
OK-88-37A-84	1	OK-88-38-62	6	OK-88-38-26	6

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-38-53	11	OK-88-38-99	14
OK-88-38-64	10	OK-88-38-100	1
OK-88-38-65	11	OK-88-38-101	5
OK-88-38-66	21	OK-88-38-102	1
OK-88-38-67	17	OK-88-38-103	1
OK-88-38-68	6	OK-88-38-104	4
OK-88-38-69	5	OK-88-38-105	6
OK-88-38-70	19	OK-88-38-106	8
OK-88-38-71	14	OK-88-38-107	1
OK-88-38-72	32	OK-88-38-108	1
OK-88-38-73	30	OK-88-38-109	18
OK-88-38-74	6	OK-88-38-110	22
OK-88-38-75	6	OK-88-38-111	1
OK-88-38-76	7	OK-88-38-112	1
OK-88-38-77	2	OK-88-38-113	3
OK-88-38-78	2	OK-88-38-114	7
OK-88-38-79	4	OK-88-38-115	21
OK-88-38-80	8	OK-88-38-116	1
OK-88-38-81	3	OK-88-38-117	2
OK-88-38-82	1	OK-88-38-118	1
OK-88-38-83	7	OK-88-38-119	5
OK-88-38-84	4	OK-88-39-2	27
OK-88-38-85	4	OK-88-39-3	20
OK-88-38-86	3	OK-88-39-4	1
OK-88-38-87	2	OK-88-39-5	6
OK-88-38-88	8	OK-88-39-6	520
OK-88-38-89	6	OK-88-39-7	395
OK-88-38-90	17		
OK-88-38-91	6		
OK-88-38-92	32		
OK-88-38-93	39		
OK-88-38-94	12		
OK-88-38-95	3		
OK-88-38-96	4		
OK-88-38-97	6		
OK-88-38-98	1		

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: AUG 19 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *H. 5/30/88..*

ASSAY CERTIFICATE

cc JWS

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #27 FILE # 88-2885R

SAMPLE#	AU** oz/t
OK-88-39-16	.058
OK-88-41-32	.055

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

DATE RECEIVED: JUL 18 1988

DATE REPORT MAILED:

July 29/88

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #27 FILE # 88-2885 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-39-8	233	OK-88-39-44	17	OK-88-39-80	5
OK-88-39-9	54	OK-88-39-45	11	OK-88-39-81	5
OK-88-39-10	172	OK-88-39-46	18	OK-88-39-82	10
OK-88-39-11	82	OK-88-39-47	2	OK-88-39-83	6
OK-88-39-12	592	OK-88-39-48	7	OK-88-39-84	8
OK-88-39-13	39	OK-88-39-49	47	OK-88-39-85	6
OK-88-39-14	17	OK-88-39-50	42	OK-88-39-86	7
OK-88-39-15	10	OK-88-39-51	8	OK-88-39-87	4
OK-88-39-16	2032	OK-88-39-52	15	OK-88-39-88	5
OK-88-39-17	52	OK-88-39-53	25	OK-88-39-89	22
OK-88-39-18	39	OK-88-39-54	15	OK-88-39-90	12
OK-88-39-19	11	OK-88-39-55	9	OK-88-39-91	6
OK-88-39-20	65	OK-88-39-56	8	OK-88-39-92	5
OK-88-39-21	30	OK-88-39-57	8	OK-88-39-93	23
OK-88-39-22	47	OK-88-39-58	9	OK-88-39-94	4
OK-88-39-23	26	OK-88-39-59	4	OK-88-39-95	5
OK-88-39-24	19	OK-88-39-60	10	OK-88-39-96	4
OK-88-39-25	19	OK-88-39-61	6	OK-88-39-97	4
OK-88-39-26	61	OK-88-39-62	160	OK-88-39-98	7
OK-88-39-27	12	OK-88-39-63	27	OK-88-39-99	1
OK-88-39-28	25	OK-88-39-64	6	OK-88-39-100	17
OK-88-39-29	28	OK-88-39-65	3	OK-88-40-2	12
OK-88-39-30	24	OK-88-39-66	1	OK-88-40-3	79
OK-88-39-31	15	OK-88-39-67	1	OK-88-40-4	44
OK-88-39-32	53	OK-88-39-68	31	OK-88-40-5	59
OK-88-39-33	131	OK-88-39-69	28	OK-88-40-6	45
OK-88-39-34	27	OK-88-39-70	32	OK-88-40-7	23
OK-88-39-35	30	OK-88-39-71	77	OK-88-40-8	15
OK-88-39-36	21	OK-88-39-72	114	OK-88-40-9	2
OK-88-39-37	25	OK-88-39-73	88	OK-88-40-10	5
OK-88-39-38	19	OK-88-39-74	52	OK-88-40-11	14
OK-88-39-39	21	OK-88-39-75	21	OK-88-40-12	16
OK-88-39-40	23	OK-88-39-76	15	OK-88-40-13	36
OK-88-39-41	12	OK-88-39-77	10	OK-88-40-14	22
OK-88-39-42	13	OK-88-39-78	3	OK-88-40-15	37
OK-88-39-43	9	OK-88-39-79	7	OK-88-40-16	35

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-40-17	10	OK-88-40-53	11	OK-88-40-89	4
OK-88-40-18	3	OK-88-40-54	13	OK-88-40-90	1
OK-88-40-19	7	OK-88-40-55	78	OK-88-40-91	2
OK-88-40-20	8	OK-88-40-56	54	OK-88-40-92	2
OK-88-40-21	4	OK-88-40-57	10	OK-88-40-93	13
OK-88-40-22	1	OK-88-40-58	7	OK-88-40-94	19
OK-88-40-23	1	OK-88-40-59	3	OK-88-40-95	4
OK-88-40-24	2	OK-88-40-60	6	OK-88-40-96	2
OK-88-40-25	2	OK-88-40-61	8	OK-88-40-97	12
OK-88-40-26	5	OK-88-40-62	4	OK-88-40-98	1
OK-88-40-27	1	OK-88-40-63	9	OK-88-40-99	7
OK-88-40-28	1	OK-88-40-64	3	OK-88-40-100	9
OK-88-40-29	1	OK-88-40-65	5	OK-88-40-101	2
OK-88-40-30	13	OK-88-40-66	6	OK-88-40-102	1
OK-88-40-31	2	OK-88-40-67	2	OK-88-40-103	5
OK-88-40-32	8	OK-88-40-68	1	OK-88-40-104	1
OK-88-40-33	15	OK-88-40-69	1	OK-88-40-105	9
OK-88-40-34	43	OK-88-40-70	5	OK-88-40-106	9
OK-88-40-35	16	OK-88-40-71	4	OK-88-40-107	3
OK-88-40-36	21	OK-88-40-72	3	OK-88-40-108	1
OK-88-40-37	4	OK-88-40-73	3	OK-88-41-3	5
OK-88-40-38	36	OK-88-40-74	2	OK-88-41-4	6
OK-88-40-39	23	OK-88-40-75	4	OK-88-41-5	11
OK-88-40-40	11	OK-88-40-76	3	OK-88-41-6	14
OK-88-40-41	2	OK-88-40-77	3	OK-88-41-7	9
OK-88-40-42	1	OK-88-40-78	2	OK-88-41-8	11
OK-88-40-43	1	OK-88-40-79	8	OK-88-41-9	7
OK-88-40-44	1	OK-88-40-80	3	OK-88-41-10	7
OK-88-40-45	1	OK-88-40-81	4	OK-88-41-11	32
OK-88-40-46	1	OK-88-40-82	3	OK-88-41-12	49
OK-88-40-47	1	OK-88-40-83	4	OK-88-41-13	13
OK-88-40-48	8	OK-88-40-84	2	OK-88-41-14	41
OK-88-40-49	5	OK-88-40-85	5	OK-88-41-15	21
OK-88-40-50	4	OK-88-40-86	3	OK-88-41-16	28
OK-88-40-51	17	OK-88-40-87	1	OK-88-41-17	31
OK-88-40-52	9	OK-88-40-88	1	OK-88-41-18	33

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-41-19	24	OK-88-41-55	54
OK-88-41-20	10	OK-88-41-56	7
OK-88-41-21	14	OK-88-41-57	14
OK-88-41-22	8	OK-88-41-58	12
OK-88-41-23	32	OK-88-41-59	11
OK-88-41-24	16	OK-88-41-60	3
OK-88-41-25	13	OK-88-41-61	1
OK-88-41-26	12	OK-88-41-62	1
OK-88-41-27	9	OK-88-41-63	12
OK-88-41-28	6	OK-88-41-64	10
OK-88-41-29	3	OK-88-41-65	3
OK-88-41-30	6	OK-88-41-66	2
OK-88-41-31	9	OK-88-41-67	1
OK-88-41-32	1880	OK-88-41-68	1
OK-88-41-33	64	OK-88-41-69	1
OK-88-41-34	37	OK-88-41-70	1
OK-88-41-35	96	OK-88-41-71	1
OK-88-41-36	11	OK-88-41-72	2
OK-88-41-37	23	OK-88-41-73	8
OK-88-41-38	30	OK-88-41-74	34
OK-88-41-39	4	OK-88-41-75	1
OK-88-41-40	6	OK-88-41-76	2
OK-88-41-41	2	OK-88-41-77	1
OK-88-41-42	1	OK-88-41-78	1
OK-88-41-43	1	OK-88-41-79	1
OK-88-41-44	1	OK-88-41-80	9
OK-88-41-45	4	OK-88-41-81	28
OK-88-41-46	4	OK-88-41-82	1
OK-88-41-47	2	OK-88-41-83	1
OK-88-41-48	2	OK-88-41-84	1
OK-88-41-49	4	OK-88-41-85	1
OK-88-41-50	5	OK-88-41-86	1
OK-88-41-51	4	OK-88-41-87	1
OK-88-41-52	6		
OK-88-41-53	26		
OK-88-41-54	71		

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

DATE RECEIVED: JUL 19 1988

DATE REPORT MAILED: *Aug. 1/88*

GEOCHEMICAL ANALYSIS CERTIFICATE 7/88 0 3. 88

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA #28 FILE # 88-2932 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-40-109	3	OK-88-42-13	2	OK-88-42-49	1
OK-88-40-110	4	OK-88-42-14	1	OK-88-42-50	1
OK-88-40-111	6	OK-88-42-15	3	OK-88-42-51	2
OK-88-40-112	1	OK-88-42-16	4	OK-88-42-52	1
OK-88-40-113	1	OK-88-42-17	8	OK-88-42-53	2
OK-88-40-114	1	OK-88-42-18	2	OK-88-42-54	17
OK-88-40-115	5	OK-88-42-19	5	OK-88-42-55	7
OK-88-40-116	1	OK-88-42-20	1	OK-88-42-56	1
OK-88-40-117	1	OK-88-42-21	4	OK-88-42-57	1
OK-88-40-118	1	OK-88-42-22	7	OK-88-42-58	1
OK-88-40-119	1	OK-88-42-23	1	OK-88-42-59	1
OK-88-40-120	1	OK-88-42-24	1	OK-88-42-60	2
OK-88-41-88	6	OK-88-42-25	1	OK-88-42-61	1
OK-88-41-89	1	OK-88-42-26	7	OK-88-42-62	1
OK-88-41-90	1	OK-88-42-27	1	OK-88-42-63	2
OK-88-41-91	1	OK-88-42-28	5	OK-88-42-64	1
OK-88-41-92	1	OK-88-42-29	12	OK-88-42-65	1
OK-88-41-93	1	OK-88-42-30	15	OK-88-42-66	2
OK-88-41-94	1	OK-88-42-31	8	OK-88-42-67	1
OK-88-41-95	1	OK-88-42-32	1	OK-88-42-68	1
OK-88-41-96	13	OK-88-42-33	5	OK-88-42-69	2
OK-88-41-97	15	OK-88-42-34	7	OK-88-42-70	1
OK-88-41-98	9	OK-88-42-35	1	OK-88-42-71	4
OK-88-41-99	23	OK-88-42-36	2	OK-88-42-72	2
OK-88-41-100	14	OK-88-42-37	1	OK-88-42-73	1
OK-88-42-2	2	OK-88-42-38	1	OK-88-42-74	1
OK-88-42-3	1	OK-88-42-39	5	OK-88-42-75	1
OK-88-42-4	1	OK-88-42-40	14	OK-88-42-76	1
OK-88-42-5	4	OK-88-42-41	19	OK-88-42-77	2
OK-88-42-6	20	OK-88-42-42	31	OK-88-42-78	1
OK-88-42-7	3	OK-88-42-43	6	OK-88-42-79	1
OK-88-42-8	8	OK-88-42-44	3	OK-88-42-80	1
OK-88-42-9	6	OK-88-42-45	6	OK-88-42-81	3
OK-88-42-10	4	OK-88-42-46	9	OK-88-42-82	1
OK-88-42-11	5	OK-88-42-47	1	OK-88-42-83	1
OK-88-42-12	1	OK-88-42-48	7	OK-88-42-84	2

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-42-85	3	OK-88-43-9	4
OK-88-42-86	2	OK-88-43-10	1
OK-88-42-87	1	OK-88-43-11	8
OK-88-42-88	3	OK-88-43-12	4
OK-88-42-89	1	OK-88-43-13	13
OK-88-42-90	1	OK-88-43-14	1
OK-88-42-91	1	OK-88-43-15	1
OK-88-42-92	3	OK-88-43-16	1
OK-88-42-93	1	OK-88-43-17	1
OK-88-42-94	2		
OK-88-42-95	6		
OK-88-42-96	1		
OK-88-42-97	1		
OK-88-42-98	2		
OK-88-42-99	1		
OK-88-42-100	1		
OK-88-42-101	1		
OK-88-42-102	2		
OK-88-42-103	1		
OK-88-42-104	1		
OK-88-42-105	1		
OK-88-42-106	1		
OK-88-42-107	1		
OK-88-42-108	2		
OK-88-42-109	1		
OK-88-42-110	2		
OK-88-42-111	7		
OK-88-42-112	1		
OK-88-42-113	2		
OK-88-43-2	1		
OK-88-43-3	1		
OK-88-43-4	2		
OK-88-43-5	1		
OK-88-43-6	2		
OK-88-43-7	4		
OK-88-43-8	2		

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

DATE RECEIVED: JUL 25 1988

DATE REPORT MAILED: *Aug. 6/88...*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: CUTTING
AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

AUG 0 9.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT OKA FILE # 88-3084 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
OK-88-21-SS	3	OK-88-43A-36	1	OK-88-43A-72	3
OK-88-43-18	3	OK-88-43A-37	1	OK-88-43A-73	4
OK-88-43A-2	1	OK-88-43A-38	1	OK-88-43A-74	3
OK-88-43A-3	1	OK-88-43A-39	2	OK-88-43A-75	1
OK-88-43A-4	1	OK-88-43A-40	1	OK-88-43A-76	3
OK-88-43A-5	1	OK-88-43A-41	1	OK-88-43A-77	1
OK-88-43A-6	1	OK-88-43A-42	9	OK-88-43A-78	1
OK-88-43A-7	1	OK-88-43A-43	1	OK-88-43A-79	1
OK-88-43A-8	2	OK-88-43A-44	1	OK-88-43A-80	1
OK-88-43A-9	1	OK-88-43A-45	2	OK-88-43A-81	1
OK-88-43A-10	1	OK-88-43A-46	24	OK-88-43A-82	1
OK-88-43A-11	2	OK-88-43A-47	7	OK-88-43A-83	1
OK-88-43A-12	1	OK-88-43A-48	4	OK-88-43A-84	4
OK-88-43A-13	1	OK-88-43A-49	1	OK-88-43A-85	3
OK-88-43A-14	1	OK-88-43A-50	6	OK-88-43A-86	1
OK-88-43A-15	1	OK-88-43A-51	5	OK-88-43A-87	1
OK-88-43A-16	1	OK-88-43A-52	1	OK-88-43A-88	3
OK-88-43A-17	4	OK-88-43A-53	2	OK-88-43A-89	1
OK-88-43A-18	1	OK-88-43A-54	1	OK-88-43A-90	1
OK-88-43A-19	1	OK-88-43A-55	2	OK-88-43A-91	1
OK-88-43A-20	3	OK-88-43A-56	1	OK-88-43A-92	1
OK-88-43A-21	1	OK-88-43A-57	3	OK-88-43A-93	4
OK-88-43A-22	1	OK-88-43A-58	6	OK-88-43A-94	9
OK-88-43A-23	1	OK-88-43A-59	12	OK-88-43A-95	5
OK-88-43A-24	1	OK-88-43A-60	22	OK-88-43A-96	1
OK-88-43A-25	1	OK-88-43A-61	4	OK-88-43A-97	1
OK-88-43A-26	1	OK-88-43A-62	1	OK-88-43A-98	1
OK-88-43A-27	1	OK-88-43A-63	3	OK-88-43A-99	1
OK-88-43A-28	2	OK-88-43A-64	4	OK-88-43A-100	1
OK-88-43A-29	1	OK-88-43A-65	4	OK-88-43A-101	1
OK-88-43A-30	1	OK-88-43A-66	5	OK-88-43A-102	4
OK-88-43A-31	1	OK-88-43A-67	6	OK-88-43A-103	5
OK-88-43A-32	11	OK-88-43A-68	4	OK-88-43A-104	1
OK-88-43A-33	1	OK-88-43A-69	11	OK-88-43A-105	1
OK-88-43A-34	3	OK-88-43A-70	5	OK-88-43A-106	1
OK-88-43A-35	1	OK-88-43A-71	1	OK-88-43A-107	1

SAMPLE#	AU* ppb
OK-88-43A-108	4
OK-88-43A-109	1
OK-88-43A-110	1
OK-88-43A-111	1
OK-88-43A-112	3
OK-88-43A-113	1

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JUN 10 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

June 14/88

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL

JUN 15 88

AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

cc JWS

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA * NEW CLAIMS File # 88-1889 Page 1
on Mt. Wilson

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
13+00N 0+00E	1	L11+00N 1+50E	1	L9+00N 2+50E	1
13+00N 0+50E	1	L11+00N 2+00E	1	L9+00N 3+00E	1
13+00N 1+00E	1	L11+00N 2+50E	2	L9+00N 3+50E	1
13+00N 1+50E	1	L11+00N 3+00E	3	L9+00N 4+00E	1
13+00N 2+00E	11	L11+00N 3+50E	1	L9+00N 4+50E	1
13+00N 2+50E	1	L11+00N 4+00E	1	L9+00N 5+00E	1
13+00N 3+00E	1	L11+00N 4+50E	1	L9+00N 5+50E	1
13+00N 3+50E	2	L11+00N 5+00E	1	L9+00N 6+00E	1
13+00N 4+00E	1	L11+00N 5+50E	1	L9+00N 6+50E	1
13+00N 4+50E	1	L11+00N 6+00E	1	L9+00N 7+00E	1
13+00N 5+00E	1	L11+00N 6+50E	7	L9+00N 7+50E	3
13+00N 5+50E	1	L11+00N 7+00E	1	L9+00N 8+00E	1
13+00N 6+00E	1	L11+00N 7+50E	1	L8+00N 0+00E	1
13+00N 6+50E	1	L11+00N 8+00E	1	L8+00N 0+50E	2
13+00N 7+00E	1	L10+00N 0+00E	1	L8+00N 1+00E	1
13+00N 7+50E	1	L10+00N 0+50E	1	L8+00N 1+50E	3
13+00N 8+00E	1	L10+00N 1+00E	1	L8+00N 2+00E	1
12+00N 0+50E	1	L10+00N 1+50E	2	L8+00N 2+50E	1
12+00N 1+00E	1	L10+00N 2+00E	1	L8+00N 3+00E	4
12+00N 1+50E	1	L10+00N 2+50E	9	L8+00N 3+50E	1
12+00N 2+00E	2	L10+00N 3+00E	1	L8+00N 4+00E	1
12+00N 2+50E	1	L10+00N 3+50E	1	L8+00N 4+25E	1
12+00N 3+00E	1	L10+00N 4+00E	1	L8+00N 4+50E	1
12+00N 3+50E	1	L10+00N 4+50E	5	L8+00N 5+00E	10
12+00N 4+00E	1	L10+00N 5+00E	2	L8+00N 5+50E	3
12+00N 4+50E	1	L10+00N 5+50E	1	L8+00N 6+00E	1
12+00N 5+00E	1	L10+00N 6+00E	1	L8+00N 6+50E	3
12+00N 5+50E	2	L10+00N 6+50E	1	L8+00N 7+00E	1
12+00N 6+00E	6	L10+00N 7+00E	1	L8+00N 7+50E	4
12+00N 6+50E	2	L10+00N 7+50E	1	L8+00N 8+00E	3
12+00N 7+00E	54	L10+00N 8+00E	2	L8+00AN 4+00E	1
12+00N 7+50E	2	L9+00N 0+00E	1	L8+00AN 4+50E	1
12+00N 8+00E	1	L9+00N 0+50E	1	L8+00AN 5+00E	1
11+00N 0+00E	1	L9+00N 1+00E	1	L8+00AN 5+50E	2
11+00N 0+50E	1	L9+00N 1+50E	1	L8+00AN 6+00E	1
11+00N 1+00E	2	L9+00N 2+00E	1	L8+00AN 6+50E	1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
L8+00AN 7+00E	1	L5+00N 0+00E	2	L3+00N 1+00E	1
L8+00AN 7+50E	1	L5+00N 0+50E	1	L3+00N 1+50E	1
L7+00N 0+00E	1	L5+00N 1+00E	1	L3+00N 2+00E	1
L7+00N 0+50E	1	L5+00N 1+50E	3	L3+00N 2+50E	3
L7+00N 1+00E	1	L5+00N 2+00E	2	L3+00N 3+00E	1
L7+00N 1+50E	2	L5+00N 2+50E	11	L3+00N 3+50E	1
L7+00N 2+00E	1	L5+00N 3+00E	1	L3+00N 4+00E	1
L7+00N 2+50E	1	L5+00N 3+50E	1	L3+00N 4+50E	1
L7+00N 3+00E	1	L5+00N 4+00E	19	L3+00N 5+00E	1
L7+00N 3+50E	1	L5+00N 4+50E	1	L3+00N 5+50E	1
L7+00N 4+00E	1	L5+00N 5+00E	1	L3+00N 6+00E	1
L7+00N 4+50E	1	L5+00N 5+50E	1	L3+00N 6+50E	1
L7+00N 5+00E	1	L5+00N 6+00E	2	L3+00N 7+00E	1
L7+00N 5+50E	1	L5+00N 6+50E	1	L3+00N 7+50E	1
L7+00N 6+00E	5	L5+00N 7+00E	3	L3+00N 8+00E	1
L7+00N 6+50E	1	L5+00N 7+50E	2	L2+00N 0+00E	1
L7+00N 7+00E	1	L5+00N 8+00E	1	L2+00N 0+50E	4
L7+00N 7+50E	1	L4+00N 0+00E	1	L2+00N 1+00E	1
L7+00N 8+00E	1	L4+00N 0+50E	3	L2+00N 1+50E	1
L6+00N 0+00E	1	L4+00N 1+00E	1	L2+00N 2+00E	1
L6+00N 0+50E	1	L4+00N 1+50E	1	L2+00N 2+50E	1
L6+00N 1+00E	1	L4+00N 2+00E	1	L2+00N 3+00E	1
L6+00N 1+50E	1	L4+00N 2+50E	1	L2+00N 3+50E	1
L6+00N 2+00E	1	L4+00N 3+00E	1	L2+00N 4+00E	1
L6+00N 2+50E	2	L4+00N 3+50E	1	L2+00N 4+50E	1
L6+00N 3+00E	1	L4+00N 4+00E	1	L2+00N 5+00E	1
L6+00N 3+50E	2	L4+00N 4+50E	2	L2+00N 5+50E	1
L6+00N 4+00E	4	L4+00N 5+00E	1	L2+00N 6+00E	1
L6+00N 4+50E	1	L4+00N 5+50E	3	L2+00N 6+50E	1
L6+00N 5+00E	1	L4+00N 6+00E	1	L2+00N 7+00E	1
L6+00N 5+50E	3	L4+00N 6+50E	1	L2+00N 7+50E	3
L6+00N 6+00E	1	L4+00N 7+00E	1	L2+00N 8+00E	1
L6+00N 6+50E	1	L4+00N 7+50E	25	L1+00N 0+00E	1
L6+00N 7+00E	1	L4+00N 8+00E	1	L1+00N 0+50E	1
L6+00N 7+50E	1	L3+00N 0+00E	1	L1+00N 1+00E	1
L6+00N 8+00E	2	L3+00N 0+50E	1	L1+00N 1+50E	2

on Mt. Wilson

SAMPLE# AU*
ppb

L1+00N 2+00E	2
L1+00N 2+50E	1
L1+00N 3+00E	1
L1+00N 3+50E	1
L1+00N 4+00E	1
L1+00N 4+50E	1
L1+00N 5+00E	1
L1+00N 5+50E	1
L1+00N 6+00E	5
L1+00N 6+50E	2
L1+00N 7+00E	1
L1+00N 7+50E	1
L1+00N 8+00E	2
L0+00N 0+00E	1
L0+00N 0+50E	2
L0+00N 1+00E	1
L0+00N 1+50E	1
L0+00N 2+00E	1
L0+00N 2+50E	3
L0+00N 3+00E	2
L0+00N 3+50E	1
L0+00N 4+00E	1
L0+00N 4+50E	1
L0+00N 5+00E	1
L0+00N 5+50E	1
L0+00N 6+00E	1
L0+00N 6+50E	1
L0+00N 7+00E	1
L0+00N 7+50E	1
L0+00N 8+00E	1

Rock Samples

*

		<u>Ag ppm</u>	<u>Cu ppm</u>
L9-R15	7	1.0	-
L9-R16	23	1.9	-
L9-R17	16	0.5	-
L9-R18	2	0.1	-
L9-R19	13	0.1	-
L9-R20	36	1.2	-
L9-R21	1	0.2	56

*Extracted from Prospecting Project Lab Reports,
Acme File Nos. 88-2067, 88-2357.

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 11 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 16/88..*

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL
 AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA * MT. WILSON File # 88-1892 Page 1

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
L1+00N 8+50E	1	L2+00S 9+00E	3
L1+00N 9+00E	1	L2+00S 9+50E	15
L1+00N 10+00E	1	L2+00S 10+00E	1
L1+00N 10+50E	1	L2+00S 10+50E	5
L1+00N 11+00E	2	L2+00S 11+00E	1
L0+00N 8+50E	1	L3+00S 4+00E	1
L0+00N 9+00E	1	L3+00S 4+50E	1
L0+00N 9+50E	1	L3+00S 5+00E	3
L0+00N 10+00E	9	L3+00S 5+50E	5
L0+00N 10+50E	1	L3+00S 6+00E	1
L0+00N 11+00E	1	L3+00S 6+50E	1
L1+00S 4+00E	110	L3+00S 7+00E	1
L1+00S 4+50E	1	L3+00S 7+50E	1
L1+00S 5+00E	1	L3+00S 8+00E	4
L1+00S 5+50E	17	L3+00S 8+50E	1
L1+00S 6+00E	1	L3+00S 9+00E	3
L1+00S 6+50E	1	L3+00S 9+50E	1
L1+00S 7+00E	4	L3+00S 10+00E	1
L1+00S 7+50E	6	L3+00S 10+50E	1
L1+00S 8+00E	1	L3+00S 11+00E	1
L1+00S 8+50E	1	L4+00S 4+00E	1
L1+00S 9+00E	1	L4+00S 4+50E	1
L1+00S 9+50E	2	L4+00S 5+00E	1
L1+00S 10+00E	1	L4+00S 5+50E	1
L1+00S 10+50E	2	L4+00S 6+00E	5
L1+00S 11+00E	1	L4+00S 6+50E	1
L2+00S 4+00E	1	L4+00S 7+00E	1
L2+00S 4+50E	2	L4+00S 7+50E	1
L2+00S 5+00E	5	L4+00S 8+00E	1
L2+00S 5+50E	1	L4+00S 8+50E	7
L2+00S 6+00E	1	L4+00S 9+00E	18
L2+00S 6+50E	1	L4+00S 9+50E	14
L2+00S 7+00E	4	L4+00S 10+00E	2
L2+00S 7+50E	4	L4+00S 10+50E	13
L2+00S 8+00E	3	L4+00S 11+00E	2
L2+00S 8+50E	1	L5+00S 4+00E	6

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
L5+00S 4+50E	3	L7+00S 7+50E	95
L5+00S 5+00E	1	L7+00S 8+00E	2
L5+00S 5+50E	4	L7+00S 8+50E	10
L5+00S 6+00E	1	L7+00S 9+00E	1
L5+00S 6+50E	6	L7+00S 9+50E	2
L5+00S 7+00E	2	L7+00S 10+00E	1
L5+00S 7+50E	2	L7+00S 10+50E	1
L5+00S 8+00E	1	L7+00S 11+00E	1
L5+00S 8+50E	2	L8+00S 4+00E	1
L5+00S 9+00E	1	L8+00S 4+50E	2
L5+00S 9+50E	1	L8+00S 5+00E	1
L5+00S 10+00E	1	L8+00S 5+50E	1
L5+00S 10+50E	1	L8+00S 6+00E	1
L5+00S 11+00E	2	L8+00S 6+50E	1
L6+00S 4+00E	1	L8+00S 7+00E	2
L6+00S 4+50E	1	L8+00S 7+50E	1
L6+00S 5+00E	1	L8+00S 8+00E	1
L6+00S 5+50E	1	L8+00S 8+50E	1
L6+00S 6+00E	3	L8+00S 9+00E	1
L6+00S 6+50E	1	L8+00S 9+50E	1
L6+00S 7+00E	1	L8+00S 10+00E	1
L6+00S 7+50E	1	L8+00S 10+50E	2
L6+00S 8+00E	11	L8+00S 11+00E	1
L6+00S 8+50E	2		
L6+00S 9+00E	1		
L6+00S 9+50E	1		
L6+00S 10+00E	1		
L6+00S 10+50E	1		
L6+00S 11+00E	2		
L7+00S 4+00E	1		
L7+00S 4+50E	4		
L7+00S 5+00E	1		
L7+00S 5+50E	1		
L7+00S 6+00E	1		
L7+00S 6+50E	2		
L7+00S 7+00E	32		

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 18 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *May. 24/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #1 File # 88-1266R
(Prospecting)

SAMPLE#	AU** oz/t
80E-01R	.146

CORDILLERAN ENGINEERING PROJECT-OKA #1 FILE # 88-1266
(Prospecting)

SAMPLE#	AU* ppb
80E-01R	5070

SAMPLE# AU*
ppb

80M-01R	1	Grid location 5000E-2495N (sample is outside of Figure 10 area and therefore not shown).
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ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 17 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *May 25/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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: P1-P2 SOIL P3 ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #8 File # 88-1475
 (Prospecting) 6700E-3550N Grid
 Soil Geochem

SAMPLE#	As PPM	Au* PPB	SAMPLE#	As PPM	Au* PPB	SAMPLE#	AU* ppb
6650E 3650N	32	6					
6650E 3625N	29	3					
6650E 3600N	75	43					
6650E 3575N	117	7					
6650E 3550N	805	280	6750E 3650N	81	1	80R-01R	11140
			6750E 3625N	31	1	80E-02R	1050
6650E 3525N	80	5	6750E 3600N	16	1	80E-03R	490
6650E 3500N	70	1	6750E 3575N	29	1	80E-04R	97
6650E 3475N	43	9	6750E 3550N	46	2	80E-05R	370
6650E 3450N	51	11					
6675E 3650N	23	1	6750E 3525N	113	8		
			6750E 3500N	448	91		
6675E 3625N	51	1	6750E 3475N	230	11		
6675E 3600N	46	3	6750E 3450N	54	1		
6675E 3575N	89	2					
6675E 3550N	489	76					
6675E 3525N	693	49					
6675E 3500N	309	152					
6675E 3475N	85	9					
6675E 3450N	77	5					
6700E 3650N	30	1					
6700E 3625N	74	8					
6700E 3600N	65	6					
6700E 3575N	62	9					
6700E 3550N	177	102					
6700E 3525N	99	124					
6700E 3500N	72	41					
6700E 3475N	12	4					
6700E 3450N	106	13					
6725E 3650N	40	6					
6725E 3625N	75	15					
6725E 3600N	174	3					
6725E 3575N	334	260					
6725E 3550N	307	109					
6725E 3525N	129	6					
6725E 3500N	47	1					
6725E 3475N	1122	490					
6725E 3450N	770	460					
STD C/AU-S	39	52					

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 25 1988
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 3/88*

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY AA FROM 20 GRAM SAMPLE.

ASSAYER: *C. Leong*. D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #11 File # 88-1600
 (Prospecting)

SAMPLE#	Ag PPM	Au* PPB
80R-02R	-	1
80R-03R	-	11
80R-04R	-	27
80E-06R	-	2
80E-07R	-	38
80E-08R	-	5
80E-09R	-	1
80E-10R	-	22
80E-11R	-	1
80E-12R	-	1
80E-13R	-	1
80E-14R	-	12
80E-15R	-	41
80E-16R	-	445
80E-17R	-	1290
80E-18R	-	44
80E-19R	-	790
80E-20R	-	79
80E-21R	-	46
80E-22R	-	27
80E-23R	-	4
80E-24R	-	220
80E-25R	233.5	22300
80E-26R	-	155
80E-27R	-	475
80E-28R	-	69
80E-29R	-	1070
80E-30R	-	3370
80E-31R	-	48
STD C/AU-R	7.6	520

✓ ASSAY REQUIRED FOR CORRECT RESULT -

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JUN 07 1988
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *June 13/88.*

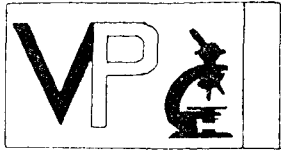
GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: ROCK
AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

ASSAYER: *C. Leong*..... D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

CORDILLERAN ENGINEERING PROJECT-OKA #15 File # 88-1814
(Prospecting)

SAMPLE#	AU*
	ppb
80E 32R	250
80E 33R	17
80E 34R	7
80E 35R	3
80E 36R	4
80E 37R	17
80E 38R	17
80E 39R	84



FEB 06 89
APPENDIX "C"
Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph. D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
VOX 1J0

PHONE (604) 888-1323

Invoice 7970
February 1988

Report for: **Paul Donkersloot,**
Cordilleran Engineering Ltd.,
1980 - 1055 West Hastings Street,
VANCOUVER, B.C., V6E 2E9

Property: Oka

Samples: 6 rock chips from reverse circulation drilling:
AND, FGSB, MAROON ROCK, MGS, TFP, XTF,

Summary: Samples are grouped as follows:

1.0 Andesite

1.1 Porphyritic Andesite

phenocrysts of plagioclase, minor ones of hornblende in a groundmass dominated by plagioclase with minor amounts of several of quartz, sericite, carbonate, amphibole

AND dolomite-(chlorite-pyrite) amygdules; calcite vein

MAROON ragged plagioclase phenocrysts; extremely fine grained groundmass

TFP groundmass of plagioclase with minor tremolite, quartz, ankerite, chlorite, sphene, and opaque

1.2 Aphanitic Andesite/Basalt

AND one fragment, minor plagioclase phenocrysts altered to dolomite in extremely fine grained groundmass; amygdule of quartz-(dolomite)

1.3 Metamorphosed Aphanitic Andesite/Dacite

hornfelsed, dominated by plagioclase with lesser prismatic tremolite or granular diopside; in part with coarse grained patches of quartz

MGS plagioclase-tremolite with patches of ankerite and lesser chlorite and anhydrite; other fragments of plagioclase-diopside with coarser grained patches of quartz; veinlets of opaque, of anhydrite, and of quartz

TFP plagioclase-diopside-(quartz-opaque)

XTF plagioclase-diopside-(garnet) with angular patches of quartz of uncertain origin; ankerite replacement; coarser patches and veinlets of calcite, minor tremolite(?)

2.0 Dacite, Dacite/Andesite**2.1 Porphyritic Dacite (Metamorphosed)**

phenocrysts of plagioclase in groundmass of plagioclase-quartz

FGSB patches of biotite-(opaque) and chlorite-(calcite), in part after hornblende phenocrysts; veinlets of dolomite/calcite and gypsum-(kaolinite)

2.2 Hornfelsed Dacite/Andesite

MAROON plagioclase-biotite with minor tremolite/actinolite, quartz, opaque

3.0 Skarn

variable with diopside and/or garnet, with or without quartz, ankerite/dolomite, chlorite

MGS dominated by quartz with diopside, garnet, and anhydrite(?), locally calcite/ankerite and chlorite

TFP one fragment: garnet-diopside-sericite after plagioclase (altered to chlorite-quartz)

XTF quartz-diopside-garnet (after andesite, quartz occurs in coarser grained, commonly angular patches as in less altered andesite)

4.0 Metasedimentary Rocks

AND two fragments: quartz-chlorite-(opaque), quartz-dolomite- (chlorite-opaque)

MAROON one fragment; quartz with lesser, commonly interstitial calcite and actinolite

5.0 Marble

very fine grained marble

MGS a few fragments



John G. Payne
604-986-2928

**Sample: AND Porphyritic, Amygdaloidal Andesite, with Calcite Vein;
 Minor Metamorphic Quartz-Chlorite-Dolomite Schist(?)
 and Trace Basalt/Andesite cut by Fluorite Vein**

Most fragments are of a porphyritic andesite containing plagioclase phenocrysts in a groundmass of plagioclase-sericite-dolomite-quartz. Amygdules and a late vein are dominated by dolomite. A few fragments are of weakly foliated quartz-chlorite-dolomite schist and one is of basalt/andesite.

<u>andesite</u> (90% of sample)			
phenocrysts		amygdules	
plagioclase	7- 8%	dolomite	4- 5%
hornblende	0.5	chlorite	1
apatite	minor	pyrite	0.5
groundmass		vein	
plagioclase	60-65	dolomite	1- 2
sericite	5- 7		
quartz	3- 4		
dolomite	3- 4		
ilmenite/Ti-oxide	0.5		
pyrite	0.1		
apatite	minor		

Plagioclase forms euhedral, prismatic phenocrysts averaging 0.8-1.5 mm in length. Alteration is strong to complete to very fine grained dolomite.

One fragment contains part of a euhedral hornblende (?) phenocryst at least 1.2 mm across. It is altered completely to extremely fine grained chlorite with a patch of very fine grained dolomite-(hematite) in the core. Chlorite commonly is oriented perpendicular to the borders of the phenocryst. Along the border of the phenocryst are abundant Ti-oxide patches averaging 0.02-0.03 mm in size. The euhedral outline of this patch suggests that it is an altered hornblende phenocryst rather than an amygdule.

Apatite forms a few subhedral, prismatic phenocrysts averaging 0.15-0.25 mm in length.

The groundmass is dominated by lathy plagioclase grains averaging 0.1-0.15 mm in length. Interstitial to these are extremely fine grained patches of sericite, chlorite, and dolomite. Opaque (ilmenite)/semiopaque (Ti-oxide) forms disseminated equant grains averaging 0.02 mm in size, with a few up to 0.3 mm across. Apatite forms disseminated subhedral prismatic grains averaging 0.05-0.1 mm in size. Pyrite forms a few disseminated grains averaging 0.03-0.07 mm in size, and one patch 0.5 mm across of an aggregate of similar grains. Quartz forms interstitial, equant grains averaging 0.03-0.12 mm in size.

Amygdules up to 3 mm across are dominated by very fine to fine grained dolomite. A few contain patches of extremely fine grained chlorite. A few contain patches up to 1.7 mm long of very fine grained opaque (pyrite), and a few contain disseminated, subhedral to euhedral grains up to 0.1 mm across of pyrite. Some smaller, more irregular patches are of extremely fine grained chlorite and very fine grained dolomite.

(continued)

Two fragments (7% of sample) are of a metamorphic rocks. One is a very fine to locally fine grained, poorly foliated schist(?) dominated by quartz and lesser chlorite, with much less opaque. The other has a somewhat similar texture, and is dominated by quartz and dolomite, with a few chlorite-rich patches and local concentrations of disseminated opaque, mainly in dolomite.

One fragment (1-2% of the sample) is of an aphanitic andesite/basalt with 3-5% phenocrysts of plagioclase (altered to dolomite). It contains a few ragged replacement patches of ankerite and minor disseminated pyrite. A subrounded amygdule up to 0.35 mm in size is of very fine grained quartz and much less dolomite. Along one side is a vein up to 0.1 mm wide of fine grained fluorite.

Sample FG5B**Metamorphosed Porphyritic Dacite; Veinlets of Dolomite/Calcite and Gypsum**

Ragged phenocrysts of plagioclase are set in a groundmass dominated by plagioclase-quartz. Patches of biotite-(opaque) and chlorite-(dolomite) probably are partly after hornblende phenocrysts. Veinlets are of dolomite/calcite and of gypsum.

phenocrysts			
plagioclase	10-12%		
apatite	0.1		
patches (possible in part altered hornblende phenocrysts)			
biotite	4- 5		
chlorite-dolomite	3- 4		
opaque	1- 2		
groundmass		veinlets	
plagioclase	35-40	dolomite/calcite	0.5%
quartz	35-40	gypsum-(kaolinite?)	0.3
biotite/chlorite	2- 3	opaque	trace
apatite	0.4	chlorite	trace

Plagioclase forms anhedral phenocrysts averaging 0.3-1 mm in size. Borders generally are ragged, and intergrown with groundmass plagioclase-quartz. Alteration is slight to moderate to extremely fine grained sericite and dusty hematite.

Biotite occurs in patches which range from irregular to probable pseudomorphic aggregates after hornblende phenocrysts (up to 1 mm long). Biotite forms stubby flakes averaging 0.05-0.1 mm in length. Pleochroism is from pale to light or medium brown. Lighter colored biotite probably is altered towards chlorite. Chlorite occurs in some patches with biotite and also forms separate patches with somewhat similar textures. Some chlorite patches also are intergrown coarsely with patches of dolomite. Opaque forms anhedral aggregates of very fine grains associated with biotite and to a lesser extent with chlorite.

Apatite forms a few stubby, prismatic phenocrysts averaging 0.15-0.2 mm long. Many are light grey in color from dusty opaque inclusions. These grade downwards in size to groundmass prismatic apatite grains averaging 0.05-0.1 mm in length. Apatite commonly is concentrated with biotite clusters.

The groundmass is dominated by plagioclase and quartz; the former as ragged grains averaging 0.03-0.1 mm in size, and the latter as anhedral, equant grains averaging 0.03-0.05 mm in size. Textures range from submosaic to slightly interlocking, with the latter more prominent in finer grained patches. Plagioclase is altered slightly to sericite and minor dolomite. Biotite, chlorite, and dolomite form disseminated, extremely fine to very fine grains and aggregates, intergrown with groundmass plagioclase and quartz.

Dolomite/calcite forms irregular patches and wispy to well defined veinlets up to 0.2 mm wide of very fine to fine grain size.

Gypsum forms a vein up to 0.2 mm wide of fine to extremely fine grains. Interstitial to gypsum are minor patches up to 0.1 mm in size of cryptocrystalline, light brown kaolinite(?).

A very irregular veinlet averaging 0.03-0.05 mm wide on the edge of one fragment consists of opaque.

A veinlet up to 0.02 mm wide consists of extreme fine grained, light yellow, chlorite(?).

Sample Maroon Rock

**Hornfelsed Dacite/Andesite + Minor Metamorphosed
Porphyritic Andesite and Quartz-Actinolite-
Calcite-Opaque Metasedimentary Rock**

Most of the fragments are of aphanitic to very fine grained hornfelsed dacite/andesite. Some of these contain veinlets and replacement patches of calcite-gypsum-(K-feldspar). Three fragments are of metamorphosed porphyritic andesite, and one is of a quartz-actinolite-calcite metasedimentary rock.

hornfelsed dacite/andesite

plagioclase	60-65%
biotite	30-35
tremolite/actinolite	0- 5
quartz	0-10
opaque	1- 5
tourmaline	0-0.2

Aphanitic andesite/dacite fragments are dominated by plagioclase and biotite averaging 0.01-0.03 mm in grain size, with lesser disseminated opaque. Coarser grained fragments contain minor to moderately abundant quartz grains up to 0.1 mm in size, and coarser grained clusters of biotite. One of these contains a ragged phenocryst of plagioclase. Biotite is pleochroic from straw to medium reddish or orangish brown. Tremolite/actinolite forms subhedral to anhedral grains averaging 0.05-0.1 mm in size in one fragment; pleochroism is from pale to light green. One fragment contains a few patches up to 0.2 mm in size of extremely fine grained actinolite/chlorite, in part intergrown with calcite, and possibly after hornblende. A few coarser fragments contain abundant disseminated patches of opaque averaging 0.1-0.2 mm in size, and some contain abundant concentrations of Ti-oxide. One coarser fragment contains abundant stubby prismatic grains of tourmaline averaging 0.05-0.08 mm long; pleochroism is from light to dark green.

Some fragments contain irregular patches and veinlets of fine to locally medium grained calcite and gypsum, and local patches of very fine grained K-feldspar.

One fragment of porphyritic andesite has a similar groundmass to the aphanitic andesite, but also contains vague relic plagioclase phenocrysts averaging 0.7-1 mm in size; these are recrystallized partly to aggregates somewhat similar in texture to the groundmass. The groundmass contains irregular patches of quartz and slightly coarser grained biotite.

Two smaller fragments of porphyritic andesite contains similar, ragged plagioclase phenocrysts averaging 0.3-0.5 mm in size, and a few patches of actinolite up to 0.5 mm in size in a groundmass of slightly interlocking, extremely fine grained plagioclase and very fine grained actinolite. They also contain minor biotite flakes and patches of ilmenite/Ti-oxide up to 0.1 mm in size. One is cut by a veinlet of plagioclase 0.07 mm wide.

The metasedimentary rock fragment is dominated by subrounded quartz grains averaging 0.05-0.1 mm in size, with interstitial, in part skeletal, patches of calcite, and actinolite. Actinolite also forms a few subhedral prismatic grains 0.5 mm in length. Pleochroism is from pale to light green. Opaque forms several patches up to 0.5 mm size.

Sample MGS Quartz-Garnet-Diopside-Anhydrite(?) - Ankerite Skarn,
Metamorphosed and Replaced Porphyritic Andesite,
Limestone

Fragments are of two main types: very fine to extremely fine grained skarn dominated by quartz with lesser diopside, garnet, anhydrite, and ankerite; and metamorphosed andesite (plagioclase-tremolite) in part altered to plagioclase-diopside with quartz-(anhydrite-ankerite) replacement. A few fragments are of very fine grained marble.

skarn

Skarn fragments range from extremely fine to very fine grained and are dominated by quartz with lesser amounts of one or more of diopside, garnet, anhydrite(?) ankerite/dolomite, and chlorite. Quartz commonly forms coarser grained patches relatively free of other minerals. One fragment contains an aggregate of very fine grained anhydrite intergrown with lesser quartz. One fragment is an aggregate of calcite with lesser anhydrite and minor radiating patches of brownish green chlorite. Diopside generally forms anhedral grains less than 0.05 mm in size. Garnet forms anhedral grains and patches averaging 0.05-0.1 mm in grain size. Finer grained, irregular patches of garnet commonly are intergrown intimately with ankerite. A few fragments are cut by partly braided veinlets averaging 0.02-0.03 mm wide of calcite and/or anhydrite.

metamorphosed andesite/dacite

Several fragments are dominated by extremely fine grained plagioclase, with disseminated prismatic grains of tremolite averaging 0.07-0.1 mm in length, and irregular patches of ankerite and disseminated grains of opaque (pyrite). A few of these also contain patches of extremely fine grained chlorite. Other fragments are dominated by extremely fine grained plagioclase-diopside with coarser grained replacement(?) patches of quartz, and less abundant irregular replacement patches of ankerite. A few fragments contain abundant patches of anhydrite intergrown with lesser quartz and ankerite. Anhydrite ranges from skeletal grains with poikilitic inclusions of quartz to elongate grains up to 1.1 mm long. A few fragments contain replacement veinlets and patches up to 0.2 mm wide of opaque. Several contain replacement patches/veins dominated by very fine grained anhydrite. One is cut by a quartz veinlet.

marble

Marble fragments are dominated by submosaic aggregates of calcite averaging 0.07-0.15 mm in grain size, with a few grains up to 0.3 mm across. Hematite forms dusty disseminated grains. One fragment is of a coarse calcite grain 1.7 mm across containing a few elongate patches of extremely fine grained quartz.

Sample TFP**Porphyritic Hypabyssal Andesite; Hornfelsed Aphanitic Andesite**

Most fragments are of a porphyritic hypabyssal andesite, with phenocrysts of plagioclase and minor ones of hornblende in a groundmass dominated by plagioclase with lesser tremolite/actinolite, quartz, ankerite, chlorite, sphene, and opaque (pyrite?).

Less abundant fragments are of a hornfelsed aphanitic andesite dominated by plagioclase with lesser diopside, and much less quartz and opaque.

One fragment of skarn consists of a patchy aggregate of garnet-epidote-ankerite and plagioclase-chlorite-quartz.

hypabyssal andesite (75-80%)		veinlets	
phenocrysts		calcite	0.1%
plagioclase	15-20%		
hornblende	1- 2		
groundmass			
plagioclase	60-65		
quartz	4- 5		
tremolite	5- 7		
ankerite	2- 3		
chlorite	1- 2		
sphene	1- 2		
opaque	1		

Plagioclase forms subhedral, prismatic phenocrysts and clusters of a few phenocrysts averaging 0.5-1 mm in size. Alteration is slight to sericite and moderate to dusty hematite.

Hornblende forms a few subhedral, prismatic phenocrysts up to 1.7 mm long. Alteration is complete to ragged, pseudomorphic tremolite intergrown intimately with extremely fine grained, slightly interlocking plagioclase/quartz.

Groundmass plagioclase forms slightly interlocking grains averaging 0.03-0.1 mm in size. Tremolite forms subhedral prismatic grains averaging 0.1-0.15 mm in length. It is altered slightly to ankerite. Quartz forms interstitial grains averaging 0.03-0.07 mm in size. Ankerite forms disseminated, anhedral grains averaging 0.05-0.1 mm in size. Chlorite forms interstitial, extremely fine grained patches with a light brownish green color. Sphene forms irregular patches up to 0.3 mm in size of very fine grains. Opaque forms scattered, irregular patches averaging 0.05-0.4 mm in size; some of these are rimmed by irregular patches of epidote.

Ankerite forms a few veinlets up to 0.05 mm wide.

The hornfelsed, aphanitic andesite fragments (15-20%) are dominated by slightly interlocking plagioclase grains averaging 0.01-0.03 mm in size, with a few up to 0.1 mm across. Intergrown with finer grained plagioclase are granular aggregates of diopside averaging 0.01-0.02 mm in grain size. Quartz and opaque each form scattered equant grains averaging 0.05-0.1 mm in size.

One fragment of skarn (5%) is zoned; one half consists of an intimate intergrowth of garnet, diopside and sericite, with lesser epidote; the other half consists of plagioclase altered strongly to extremely fine grained, light brownish green chlorite and scattered patches of quartz.

Sample XTF**Metamorphosed Andesite with Quartz-Rich Patches of
Uncertain Origin; Diopside-Garnet-Quartz Skarn;
Calcite Replacement Patches and Veinlets**

Most of the fragments are of an aphanitic, metamorphosed andesite dominated by plagioclase and lesser diopside and/or ankerite, with angular patches of coarser grained quartz. The origin of the quartz-rich patches is uncertain; they do not appear to be either angular fragments caught up in the andesite, or replacement patches. Some fragments are more strongly altered to diopside-garnet-quartz skarn. Calcite forms a replacement patch up to a few mm across.

plagioclase	35-40%
diopside	17-20
garnet	2- 3
quartz	25-30
ankerite	4- 5
replacement patches, veinlets	
calcite	5- 7
tremolite(?)	minor

In the hornfelsed andesite, plagioclase forms anhedral, slightly interlocking grains averaging 0.01-0.02 mm in size, and a few anhedral grains up to 0.1 mm in size.

Diopside forms granular aggregates averaging 0.01-0.02 mm in size and a few ragged, equant to prismatic grains up to 0.1 mm in size.

Quartz forms angular patches averaging 0.7-1.5 mm in size of submosaic grains averaging 0.07-0.2 mm in size. A few patches are over 3 mm across.

Some fragments contain patches up to 1 mm in size of quartz averaging 0.02-0.03 mm in grain size, with minor to moderately abundant disseminated, granular diopside averaging 0.01 mm in grain size. One large fragment of this type is cut by a braided vein up to 1 mm wide of very fine to fine grained calcite.

Ankerite/calcite is concentrated moderately in patches of extremely fine grains intergrown with diopside.

One slightly coarser grained fragment is dominated by very fine grained calcite/ankerite and lesser quartz; it may be a replacement of the andesite or may be an alteration of a separate rock type.

In several fragments, alteration of the andesite is stronger to intimately intergrown aggregates of very fine to extremely fine grained diopside-garnet, with patches of coarser grained quartz as in the less altered fragments.

The large replacement patch consists of interlocking, fine to medium grains of calcite.

Several fragments are cut by wispy veinlets of calcite and one is bordered by a vein at least 0.2 mm wide of similar calcite.

One fragment is cut by a wispy, slightly braided veinlet up to 0.03 mm wide of tremolite(?).

MAY 31 88

VLF AND MAGNETOMETER
SURVEY
ON THE
OKA PROPERTY
FOR
CORDILLERAN ENGINEERING LTD.
SURVEY BY
S.J.V. CONSULTANTS LTD.

OSOYOOS M.D.

N.T.S. 82E/13

MAY 1988

Report By
Syd J. Visser
S.J.V. Consultants LTD.

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PLATES

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Plate 3	Ground VLF-EM Profiles	1:5,000
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INTRODUCTION

A VLF and Magnetometer survey was conducted for Cordilleran Engineering LTD., by S.J.V. Consultants LTD., on the Oka Claims near Peachland B.C. during the period between May 4 and May 16, 1988.

The purpose of the survey was to trace a mineralized shear zone near a geochemical anomaly and to aid geological mapping.

FIELD WORK

The field work was performed by Rolf Krawinkel (Geophysicist) and Glenn Ayrton (student) from May 4 to May 16, 1988.

Two Gem-18 (one used as base station) and one Gem-8 Proton Precession Magnetometer, were used for the magnetometer survey. All resultant data was corrected for diurnal variations, base shifted to a base station reading and computer plotted on one contour map (Plate 1) and one profile plot (plate 2).

The VLF survey was performed using two geonics EM-16 VLF receivers. The Vlf transmitter station located in Hawaii was used as the source for the electromagnetic field because the direction from this station most closely parallels the direction of the interesting structure. Both the dip angle and quadrature were recorded and computer plotted on a profile map (Plate 3). The dip angle data was Fraser filtered and the positive part presented on a contour map (Plate 4).

The slope between stations were recorded along with the Vlf-EM data and plotted as profiles (Plate 5).

DATA PRESENTATION

The data is presented on the following 6 plots:

- Plate 1 Ground Magnetometer Contour
- Plate 2 Ground Magnetometer Profile
- Plate 3 Ground VLF-EM Profiles
- Plate 4 Vlf-EM Fraser Filter Contour
- Plate 5 Topography Gradient
- Plate 6 Mag and Vlf-EM Compilation Map

INTERPRETATION

The magnetics is fairly consistent throughout most of the grid area (Plate 1 and 2) with the exception of the area south of approx 2600N to 2800N in the central parts of the grid, the north east part of the grid and numerous short wave length features.

The magnetics indicate a geological contact at approx. 2600N on line 4800E to approx. 2850N on line 5600E with the more magnetic rocks to the south. It is difficult to locate the exact placement of the magnetic contact because there is no sharp edge effect. The contact may be at approx. 2800N as suggested by the Vlf conductor (Plate 6).

The Vlf-EM survey indicates a series of mainly short strike length crossovers (Plate 3 and 4). The strike of the crossover (conductors) axis (Plate 6) changes in direction from NE-SW in the eastern part of the grid to E-W in the western part of the grid. The strongest conductor appear in the north east corner of the grid. The E-W striking conductor may be of the same conductivity but show less response because of poorer coupling with the primary electromagnetic field (azimuth from Hawaii is approx. 50 deg). The conductors may also be somewhat enhanced by the topography (Plate 5). An example where the slope of the topography is the same as the crossover is on line 7400E on

the north east corner of the grid. The topography does not appear to be the main cause of the crossovers in any part of the grid.

The crossover striking from approx. 2850N on line 4800E to 2775N on line 5600E appears to be a geological contact and may correlate with the magnetics. The remainder of the crossovers are likely due to conduction shear zones, conductive faults or weakly conductive mineralized zones.

There appears to be no direct correlation between the magnetics and the Vlf-EM crossovers. The station spacing when searching for narrow shear zones especially with magnetics should probably be decreased to 12.5M.

CONCLUSION

The magnetic survey indicates a magnetic contact at approx. 2800N in the central part of the grid with the more magnetic rocks to the south, The Vlf-EM also indicates a geological contact in this area.

The Vlf-EM shows a series of conductors which are probably due to conductive shear zones on faults, striking NE-SW in the eastern part of the grid and E-W in the western part of the grid. These conductors should be correlated with the geochem. anomalies to locate favorable areas for drill targets.

Syd Visser F.G.A.C.
Geophysicist



S.J.V. Consultants LTD.



LEGEND

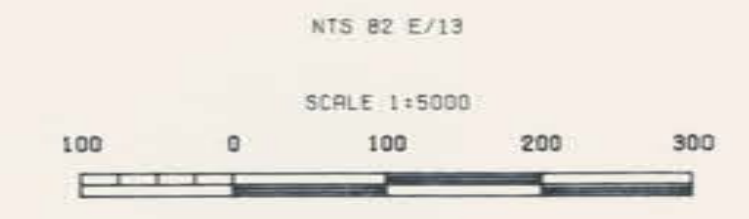
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 POSTED : 500 NANTESLARS (GAMMAS)
 INSTRUMENTS USED : G5M8 AND G5M18 DIGITAL
 PROTON PRECESSION MAGNETOMETERS

18,711
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT
Part 1 of 2

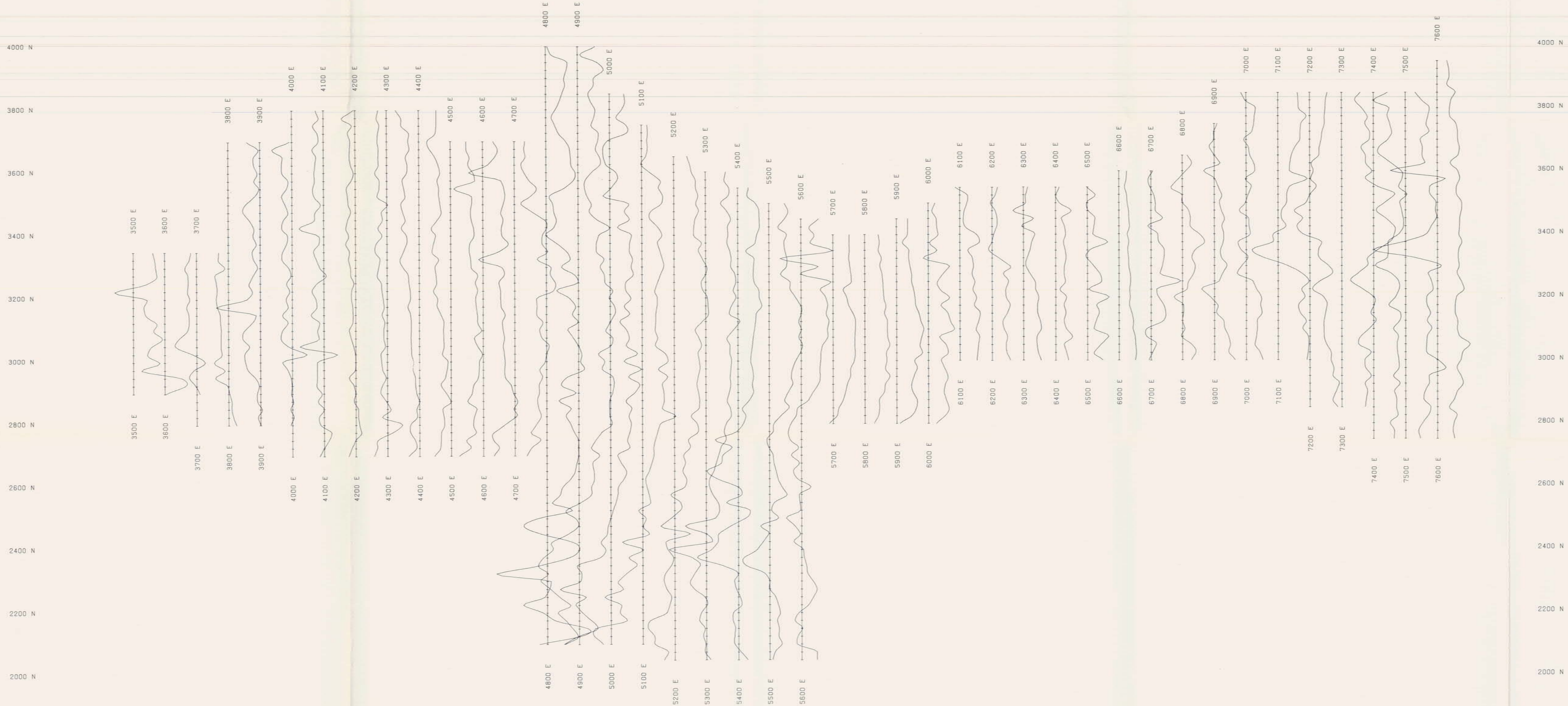
CORDILLERAN ENGINEERING LTD.

OKA PROPERTY

GROUND MAGNETOMETER CONTOUR



W. J. ...



LEGEND

MARKED LINES WITH STATIONS AT 25 METRES

VERTICAL SCALE : 250 NANOTESLAS (GAMMAS) / CM
 BASE VALUE : 57500 NANOTESLAS (GAMMAS)

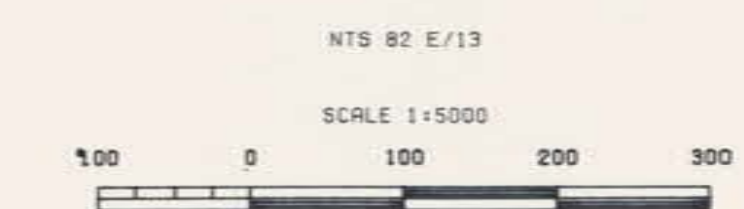
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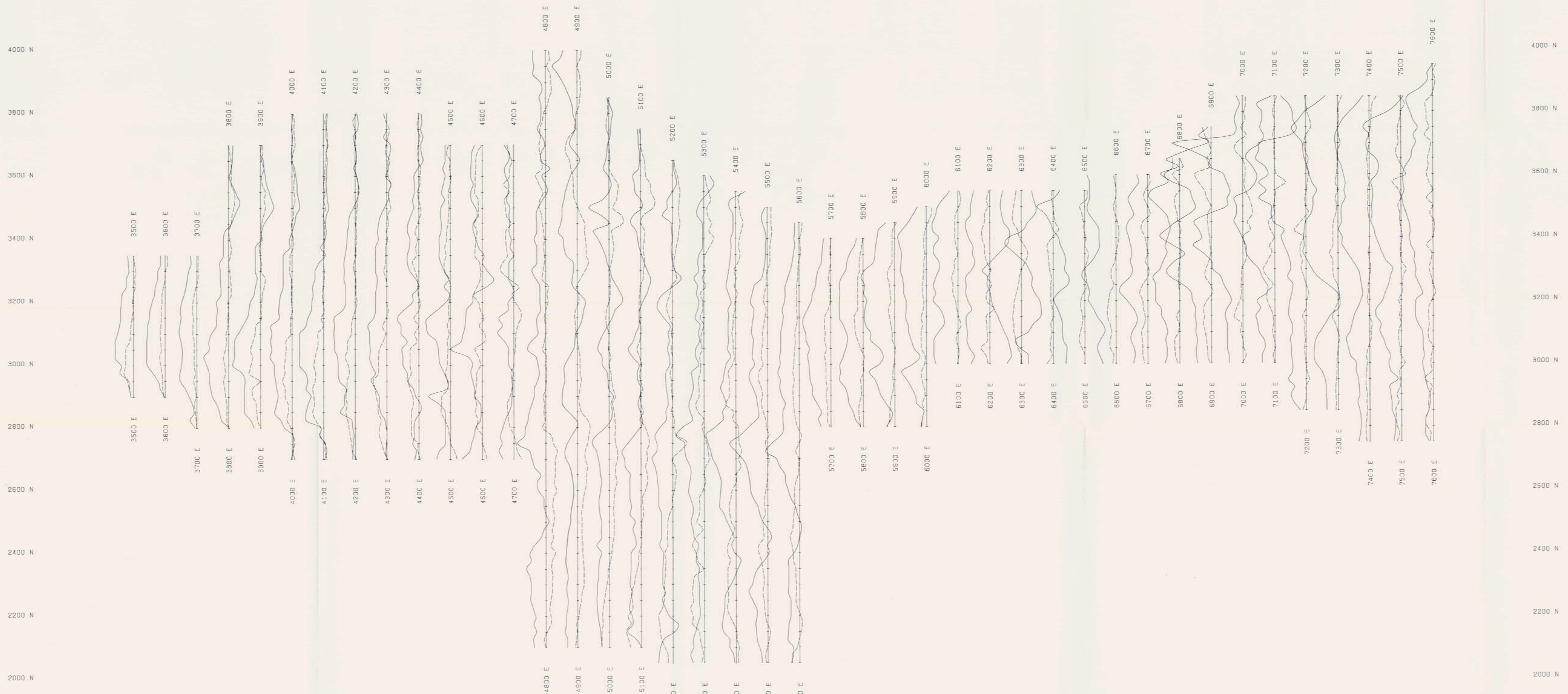
GEOLOGICAL BRANCH
 ASSESSMENT REPORT
18,711
Part 1 of 2

CORDILLERAN ENGINEERING LTD.

OKA PROPERTY

GROUND MAGNETOMETER PROFILE





LEGEND

- MARKED LINES WITH STATIONS AT 25.0 METRES
- INSTRUMENT USED : GEONICS EM-16
- TRANSMITTER : LUILUILEI HAWAII 23.8 KHZ AZIMUTH APPROX. 50 DEG.
- VERTICAL SCALE : 25%/CM
- DIP ANGLE : SOLID LINE
- QUADRATURE : DASHED LINE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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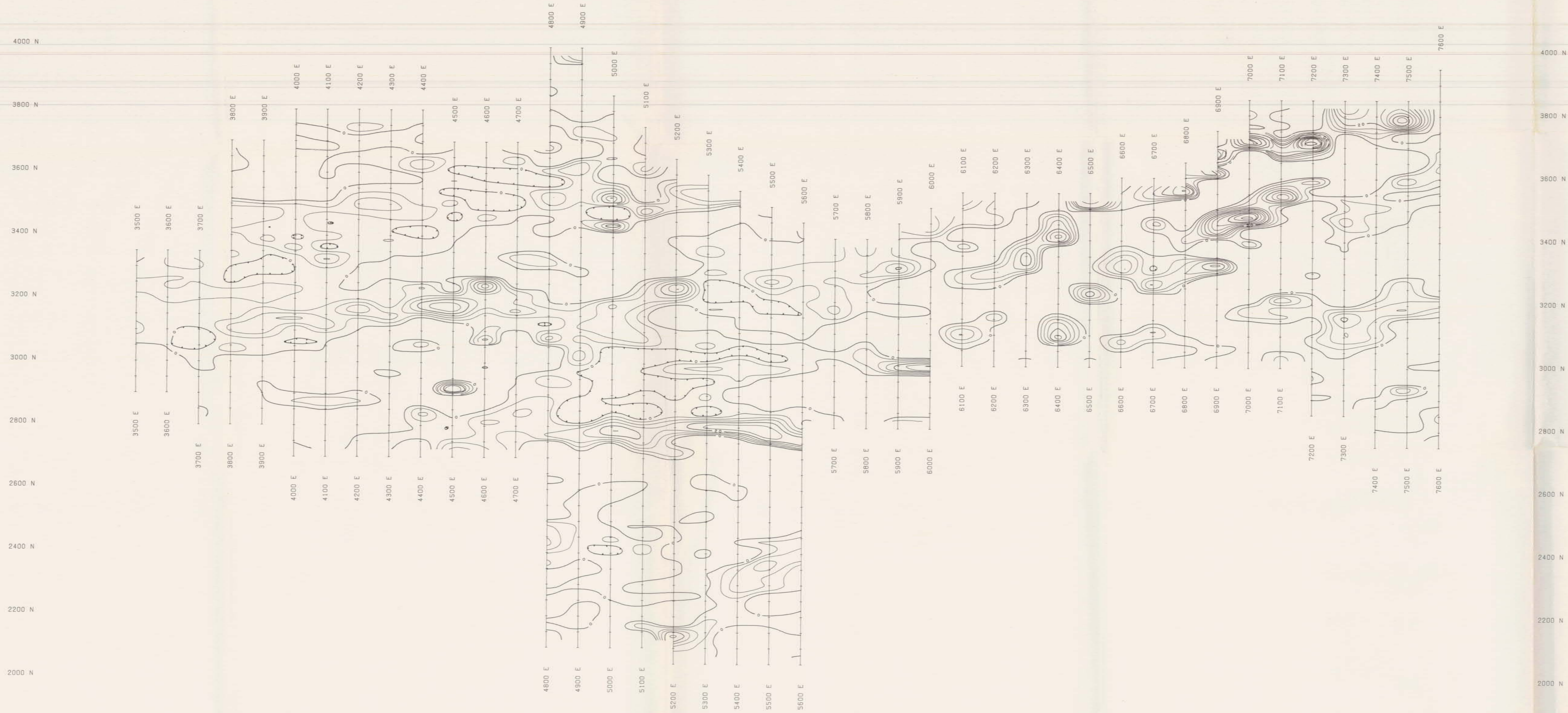
Part (of 2)

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GROUND VLF-EM PROFILES



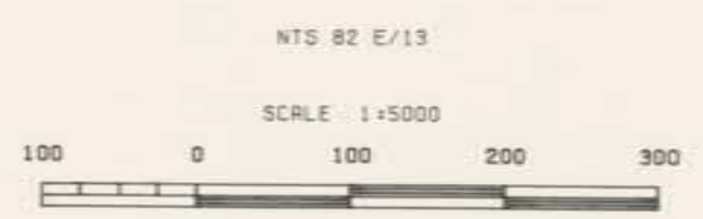


LEGEND

- MARKED LINES WITH STATIONS AT 25.0 METRES
- CONTOUR INTERVALS AT 5
POSTED AT 20
- TRANSMITTER : LUIULUIE HAWAII 23.8 KHZ AZIMUTH APPROX. 50 DEG.
- INSTRUMENT USED : GEONICS EM-16

CORDILLERAN ENGINEERING LTD.
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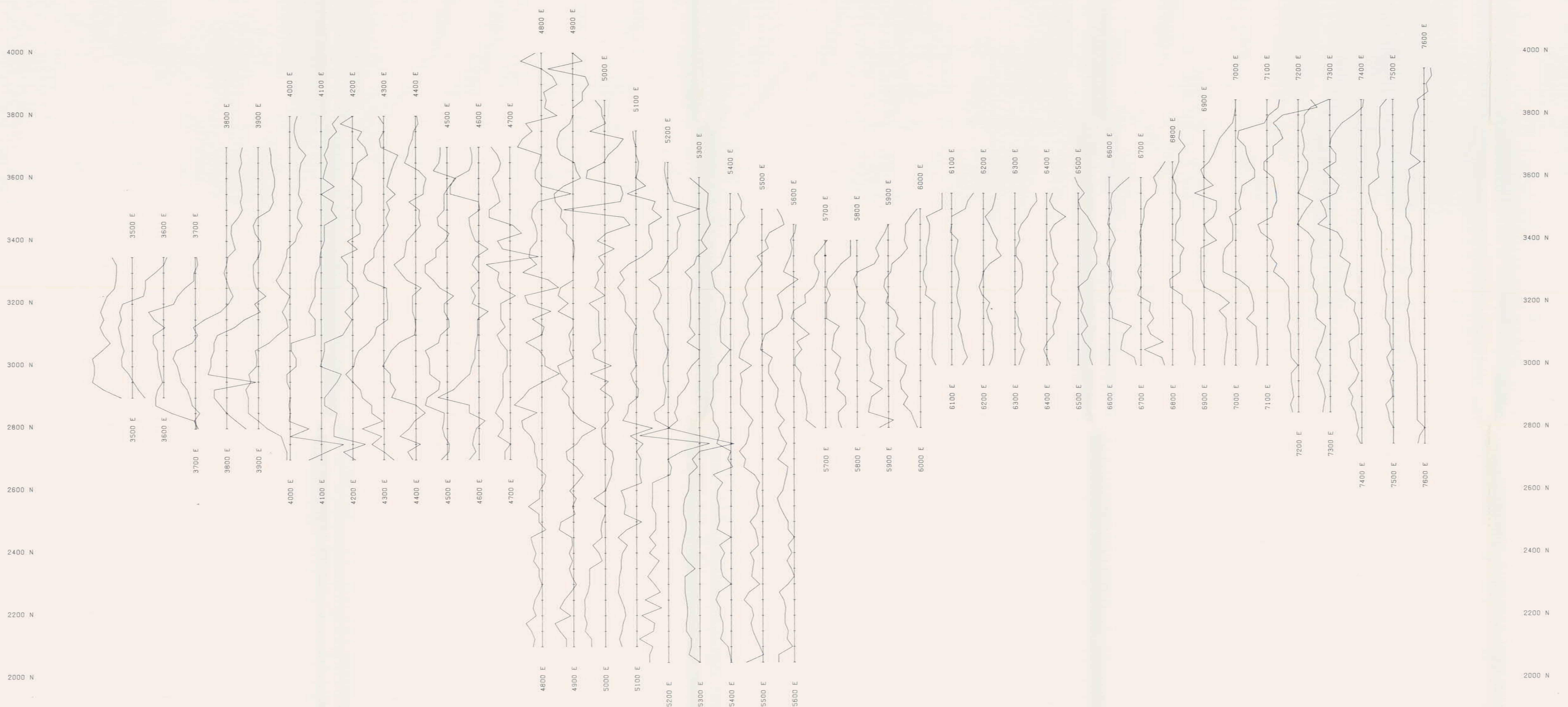
VLF-EM FRASER FILTER CONTOUR



*Part 1
#2*

18,711

GEOLOGICAL BRANCH
ASSESSMENT REPORT



LEGEND

MARKED LINES WITH STATIONS AT 25.0 METRES

INSTRUMENT USED : SUNTO CLINOMETER

VERTICAL SCALE : 25% CM

TOPOGRAPHY GRADIENT: SOLID LINE

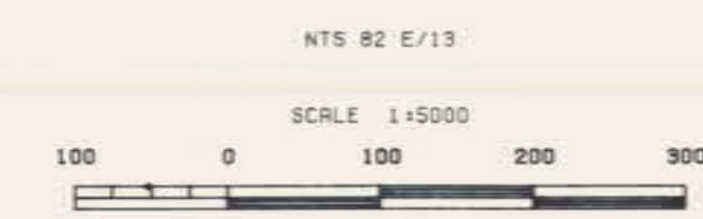
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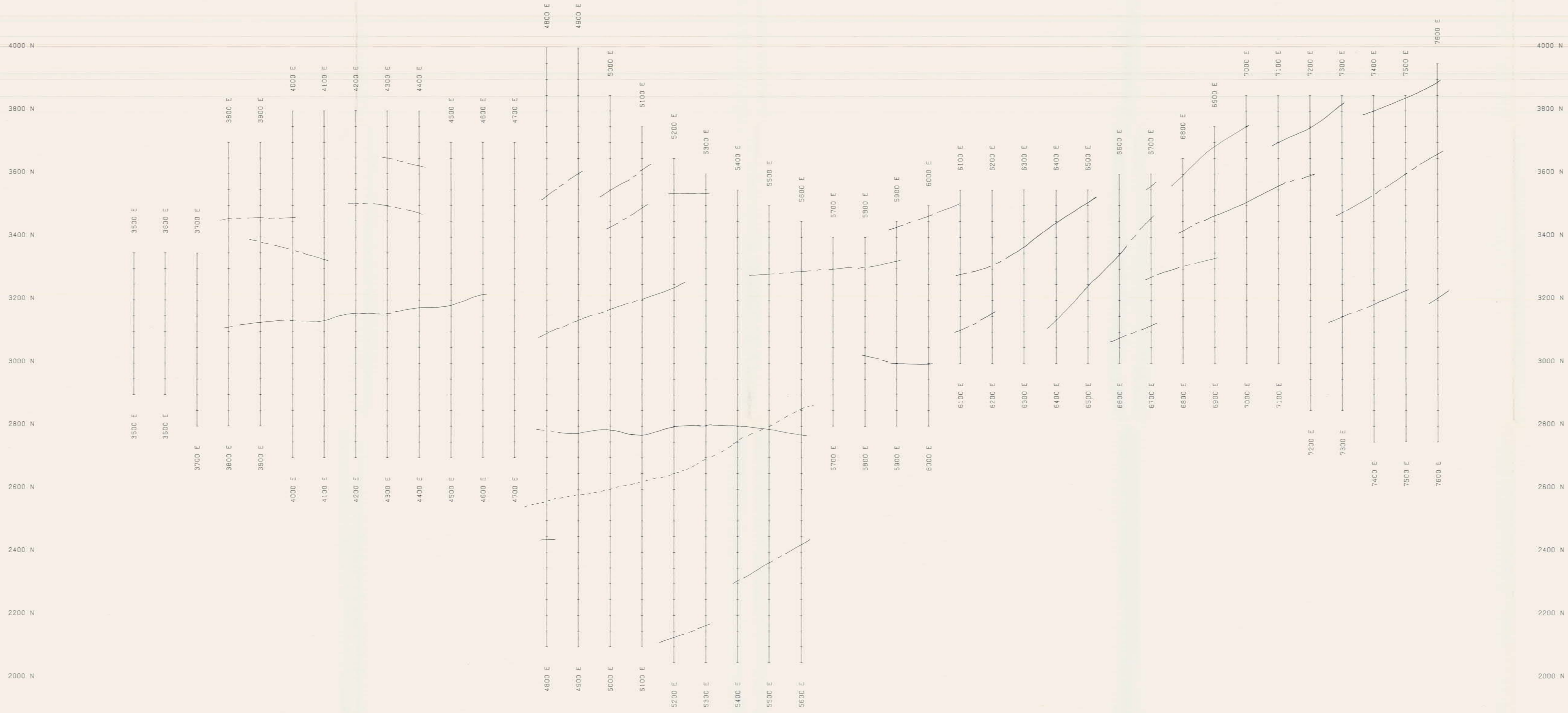
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TOPOGRAPHY GRADIENT





LEGEND

- MARKED LINES WITH STATIONS AT 25.0 METRES
- VLF-EM CONDUCTIVITY AXES
- MEDIUM CONDUCTIVITY
- WEAK CONDUCTIVITY
- MAGNETIC ANOMALY CONTACT

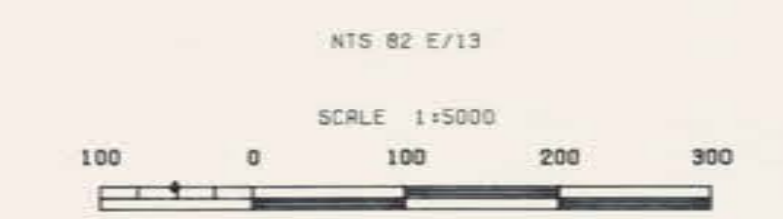
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MAG & VLF-EM COMPILATION MAP



W. Johnson