1989
GEOCHEMICAL REPORT

On the Swan 1 - 4 Mineral Claims
Similkameen Mining Division, B.C.
NTS: 92H/9W; Lat 49° 39'N; Long 120° 27'W

DECEMBER 1989. (BC'89 ASSESSMENT)

REPORT DISTRIBUTION

- Mining Recorder	2	
- Fairfield Minerals Ltd.	1	
- Field	1	
- Cordilleran Engineering Ltd.	1	(Original)
Total:	5	

1989 GEOCHEMICAL REPORT

ON THE SWAN 1 - 4 MINERAL CLAIMS

Similkameen Mining Division, B.C.
Latitude 49° 39'N; Longitude 120° 27'W
NTS: 92H/9W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

By

J. D. Rowe, B.Sc.
Geologist

CORDILLERAN ENGINEERING LTD.
1980 - 1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: December, 1989
Field Period: October 17 to 23, 1989

TABLE OF CONTENTS

FIGURES

TABLES

PLATES
(in pockets)

1.0 SUMMARY AND CONCLUSIONS

The Swan property, located 22 kilometres north of Princeton, B.C., comprises four claims (80 units) in the Similkameen Mining Division. The claims, staked during 1989, are owned 100 percent by Fairfield Minerals Ltd.

Logging roads provide excellent access to the western half of the property. The physiographic setting consists of a north-south ridge with moderately steep slopes extensively covered by thin glacial overburen.

Previous exploration by others on the property included prospecting, mapping, soil sampling, geophysics, trenching and percussion drilling. On the Axe claims, directly to the west, extensive exploration in the 1970's indicated potential for a large tonnage of low grade copper mineralization.

The 1989 Swan program, which focussed on gold, consisted of grid soil sampling on the western half of the property.

The Swan property overlies the contact between a Jurassic granite batholith and an Upper Triassic assemblage of volcanic, sub-volcanic and sedimentary rocks. A short distance to the west significant amounts of chalcopyrite, with pyrite and magnetite, are disseminated in strongly fractured and altered volcanic and sub-volcanic rocks. Weak gold values were returned from reconnaissance samples of quartz vein material from the Swan claims.

A total of 1030 soil samples were collected on a 200 m by 50 m grid and analyzed for gold, silver, copper and zinc.

Contouring of gold values showed several small scattered anomalies which, as a whole, outlined a number of possible east to northeast gold trends crossing the grid.

Copper anomalies are small, scattered and do not coincide with high gold values.

Zinc anomalies are irregular but well defined in the southern part of the grid. There is some correlation with high copper values but not with the stronger gold anomalies.

Silver values are all low.

The numerous gold geochemical anomalies, with values up to 360 ppb, indicate good potential for the discovery of significant vein deposits of economic tenor. The geological setting is similar to that of areas to the north where high gold values have been obtained from quartz veins cutting both intrusive and volcanic rocks. The intense fracturing, alternation and copper mineralization on the Axe property to the west prove the existence of large structural features and active hydrothermal systems in this area.

2.0 RECOMMENDATIONS

A 200 m by 50 m grid should be established on the Swan 2 and 4 claims and soil samples collected for gold analysis. Detailed fill-in sampling on 50 m by 50 m grids should be completed around stations with anomalous gold values to better define anomalous trends.

The entire property should be geologically mapped and areas of anomalous geochemistry should be prospected.

Selected areas with strong gold geochemical trends should be tested by VLF-EM and magnetometer surveys to help define any major structures which may have localized gold mineralization.

Areas with mineral showings or strongly anomalous gold geochemistry and geophysical signatures should be trenched to bedrock with an excavator. Trenches should be cleaned, mapped and chip sampled.

Respectfully submitted

CORDILLERAN ENGINEERING LTD.

J.D. Rowe, B.Sc.
Geologist

JDR/ds
December, 1989

3.0 INTRODUCTION

3.1 LOCATION AND PHYSIOGRAPHY (Figure 1)

The Swan property is located 22 kilometres north of Princeton in south-central British Columbia (Figure 1). The property is centered on latitude 49° 39'N and longitude 120° 27'W within NTS map area 92H/9W. Access is via highway 5A north from Princeton, then north on Summers Creek road and Rampart Creek Forest Service road. Several recent logging roads traverse the west half of the property.

The claims cover an area of 20 square kilometres on a north-south trending ridge between the valleys of Summers Creek and Hayes Creek. Elevations range from 1150 m to 1550 m above sea level. Swanson Creek transects the property from northeast to southwest and has several small, swampy ponds in the upper section. Rampart Creek, along the western boundary, is a moderate-size drainage 2 to 3 m wide. Bedrock exposure varies from very scarce to moderate in some areas, and glacial till cover is widespread but generally shallow. Mature stands of pine with lesser fir and spruce have been logged from several large plots on the western claims. Thick alder undergrowth is prevalent on the eastern claims. Annual temperatures range from -20°C to +30°C and precipitation is low to moderate. The area is basically snow-free from late May through October.

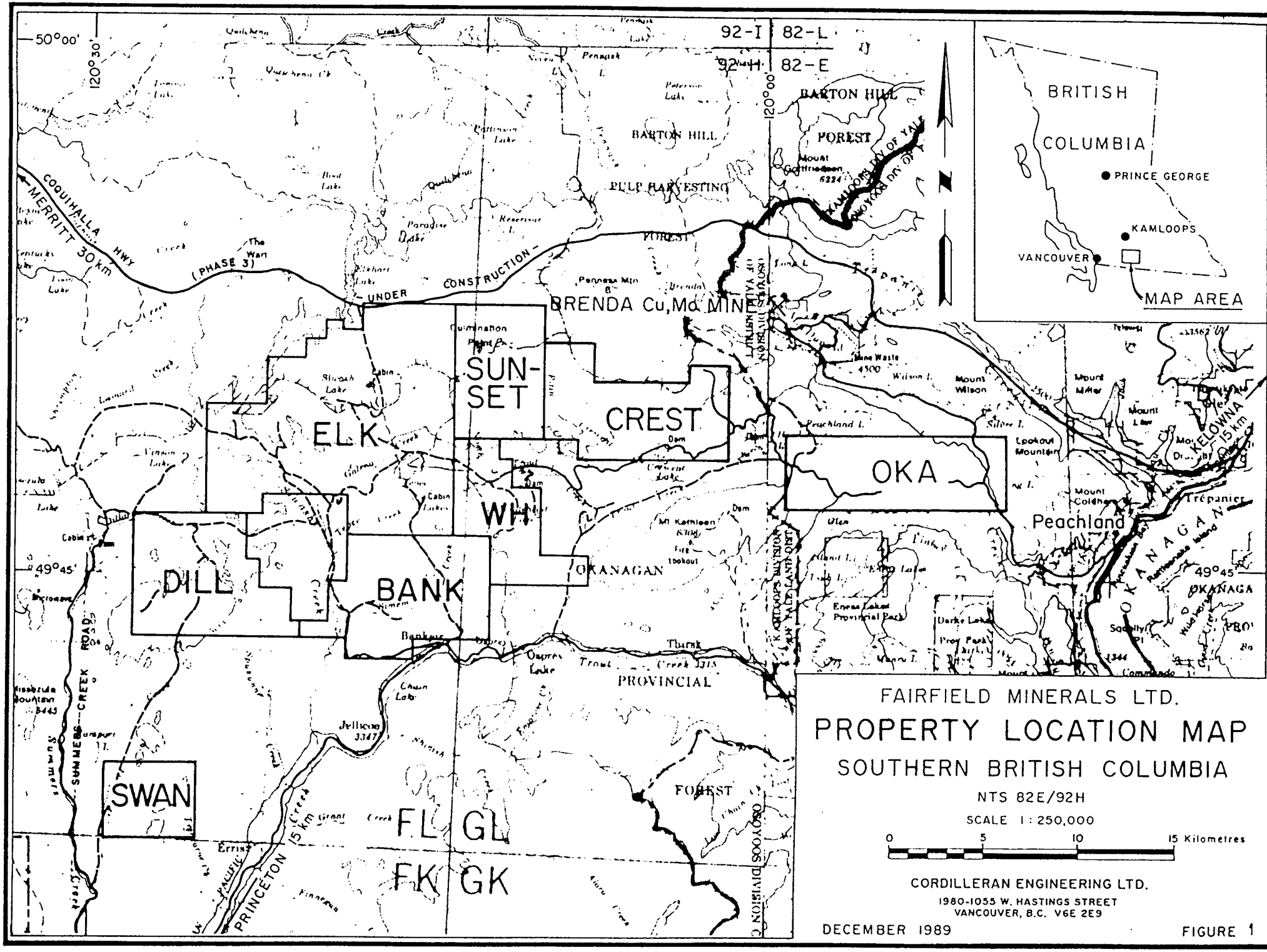
3.2 CLAIM DATA (Figure 2)

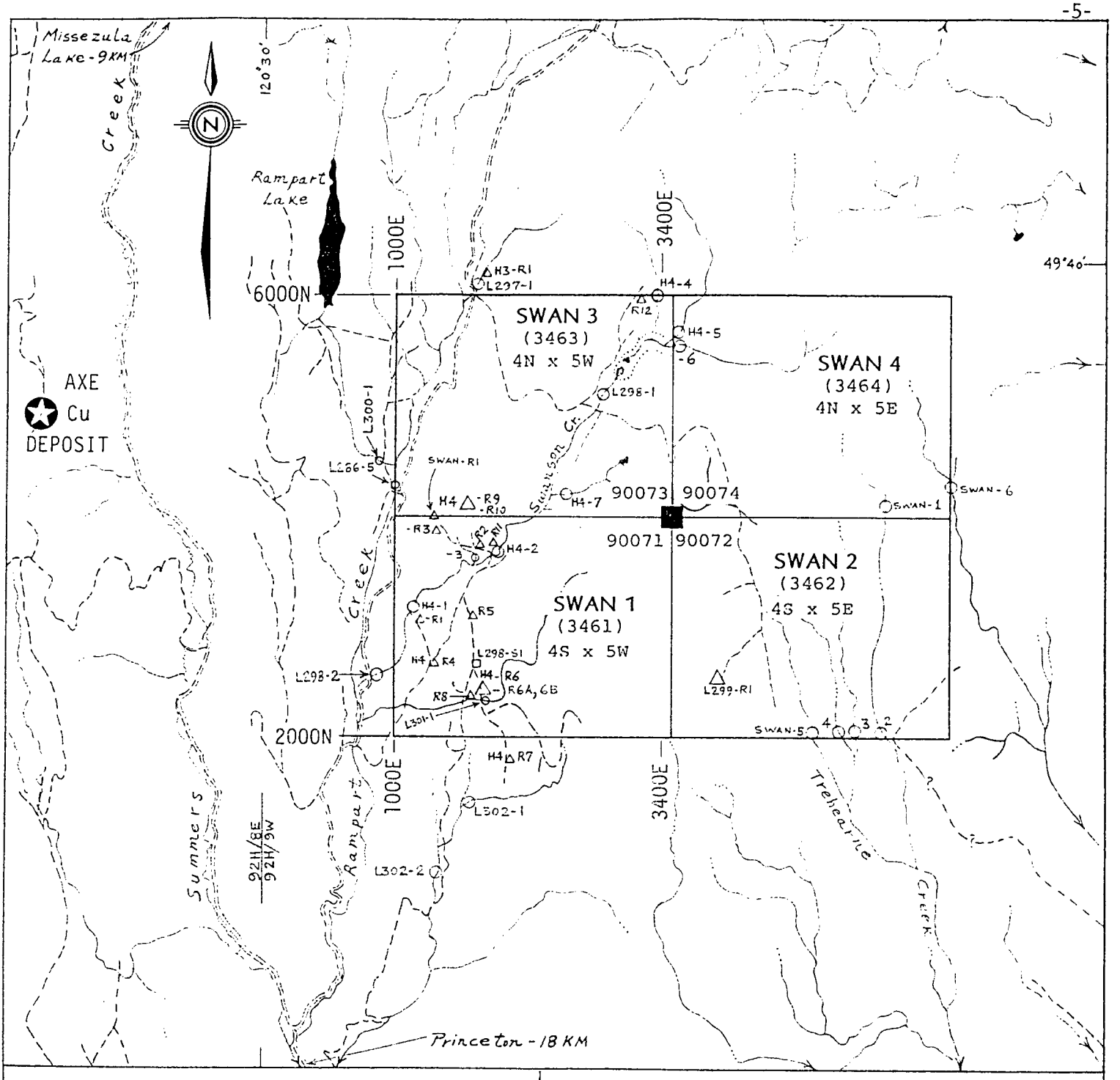
The current status of the Swan claims is indicated in Table 1, and their locations are shown on Figure 2. The claims, located in the Similkameen Mining Division, were staked in August, 1989 and are 100 percent owned by Fairfield Minerals Ltd.

TABLE 1 CLAIM STATUS AS AT DECEMBER 1, 1989

CLAIM	UNITS	RECORD NO.	EXPIRY DATE
Swan 1	20	3461	11 Aug. 1993*
Swan 2	20	3462	13 Aug. 1993*
Swan 3	20	3463	12 Aug. 1993*
Swan 4	20	3464	14 Aug. 1993*

* Pending acceptance of statement of expenditures.


50°00'
120°30'
120°00'
92-I
82-L
92-H
82-E
BARTON HILL
FOREST
PULP HARVESTING
COQUIHALLA HWY
MERRITT 30 km
(PHASE 3)
UNDER CONSTRUCTION
BRENDA Cu,Mo MINE
SUN-
SET
CREST
ELK
WH
OKA
DILL
BANK
OKANAGAN
Peachland
KELOWNA 15 km
49°45'
SWAN
FL
GL
FK
GK
PROVINCIAL
FOREST
SUMMERS CREEK ROAD
PRINCETON 15 km
BRITISH
COLUMBIA
PRINCE GEORGE
KAMLOOPS
VANCOUVER
MAP AREA
N
FAIRFIELD MINERALS LTD.
PROPERTY LOCATION MAP
SOUTHERN BRITISH COLUMBIA
NTS 82E/92H
SCALE 1 : 250,000
0
5
10
15 Kilometres
CORDILLERAN ENGINEERING LTD.
1980-1055 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9
DECEMBER 1989
FIGURE 1



LEGEND

■ 90071	Legal Corner Post and Claim Tag Number
(3461)	Claim Record Number
1000E	Grid Line Number
====	Access Roads

○ Stream Sediment
□ Soil
△ Rock
— Sample Sites

("L" Series Sample Numbers - 1987; H3, H4 & Swan Series - 1989)

FAIRFIELD MINERALS LTD.

SWAN PROPERTY

CLAIM, GRID AND RECONNAISSANCE SAMPLE LOCATIONS

Similkameen Mining Division, B.C.
NTS: 92H/9W Scale - 1:50,000

1.0 0.5 1.0 2.0 3.0 4.0 KM

By CORDILLERAN ENGINEERING LTD.
VANCOUVER, B.C.
December, 1989

Figure 2

INTRODUCTION Continued

3.3 HISTORY

Several companies conducted work in the area of the Swan claims from 1970 to 1982 consisting of prospecting, geological mapping, soil sampling, geophysics, trenching and percussion drilling. These programs explored for copper mineralization similar to that defined on the Axe property adjoining to the west, where a significant copper reserve, with minor molybdenum, has been outlined by considerable diamond and percussion drilling. Tentative estimates only have been released using various factors to adjust for poor core recoveries and erratic distribution of mineralization. Figures published in 1973 indicated a total reserve of about 60 million tons grading roughly 0.45% Cu, 0.012% Mo in three zones.

Previous exploration in the area of the Swan claims failed to discover any significant copper, however, the gold potential was not pursued at that time. During 1987 Fairfield Minerals Ltd. undertook a reconnaissance sampling program in the region which identified a stongly anomalous gold value from the sediment near the mouth of Swanson Creek. Subsequent prospecting of the drainage area revealed favourable geology for gold-bearing vein deposits and, hence, the Swan claims were staked to cover that area.

3.4 1989 EXPLORATION PROGRAM

The 1989 program consisted of grid soil sampling on Swan 1 and 3 claims. Minor prospecting, silt and rock sampling were conducted during and prior to claim staking and these results are also included in this report. Very little work was done on Swan 2 and 4 claims.

4.0 GEOLOGY

4.1 REGIONAL GEOLOGY (Figure 3)

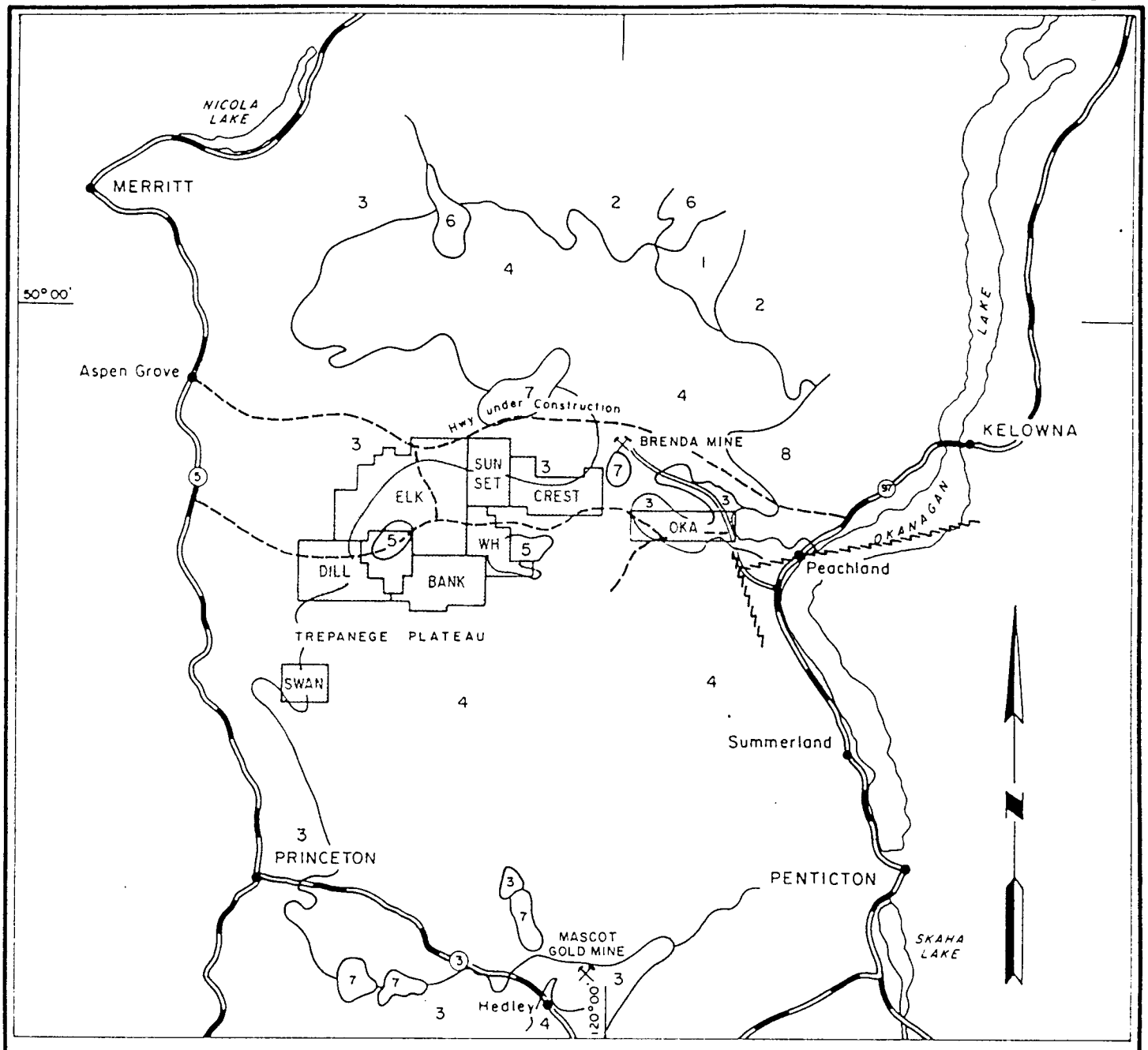
The Swan property regional geology is illustrated on the northeast part of GSC Map 888A, Princeton, mapped by H.M.A. Rice, 1939 - 1944 and condensed on Figure 3. The claims straddle the contact between the Pennask batholith on the east and Nicola volcanic rocks on the west. The batholith comprises reddish, coarse-grained granite of the Upper Jurassic Coast Intrusions. The Upper Triassic Nicola unit includes massive basalt flows and breccias with lesser interlayered tuff, volcanic siltstone and impure limestone. Several phases of diorite to monzonite dykes are part of the Nicola magmatic suite.

4.2 PROPERTY GEOLOGY AND MINERALIZATION

The geology of the property was not mapped during this program although it was observed that granitic rocks are more extensive on the western claims than indicated by the regional geology map. An area of Nicola rocks in the west-central part of the property may be a large pendant enclosed by the intrusive. Bedrock exposures are scarce in many areas so contact relationships are not visible.

A large fault zone trends north-south along Summers Creek valley 2 km west of the property. Swanson Creek follows a very linear southwest trend which may also be caused by a major structural break. On the Axe property to the west volcanic and intrusive rocks are intensely fractured with variable and irregular zones of alteration and mineralization.

Relatively few rock samples were collected from the Swan claims. They consisted mainly of quartz veins or veinlets cutting clay-altered, locally silicified granite with minor disseminated pyrite. Gold values were low. No copper minerals were seen. On the Axe property copper mineralization consists of chalcopyrite with variable amounts of pyrite and magnetite disseminated and coating fractures in volcanic and associated intrusive rocks. Weathered zones near surface contain azurite, malachite chalcocite and bornite. A large portion of the copper mineralization occurs in intensely propylitic altered rock. Molybdenite is sparsely distributed in later quartz veins, postdating the copper.



LEGEND

8	Eocene/Oligocene	Andesite flows
7	Miocene/earlier	Princeton Group - shale, sandstone
6	Miocene/earlier	Kamloops Group - rhyolite, andesite
5	Upper Cretaceous	Otter Intrusions - granite
4	Jurassic/Cretaceous	Coast Intrusions - granite, granodiorite
3	Upper Triassic	Nicola Group - andesite, basalt, sediments
2	Carbonaceous	Cache Creek Group - argillite, quartzite, andesite
1	Pre Permian	Chapperon Group - schist

FAIRFIELD MINERALS LTD.

PROPERTY LOCATION AND REGIONAL GEOLOGY

ELK, DILL, BANK, WH, SUNSET, CREST, OKA & SWAN PROPERTIES

THOMPSON - OKANAGAN AREA, B.C.

Scale : 1: 633,600

0 10 20 30

Scale in Kilometres

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

Compiled from GSC Maps 15-1961, 1059A, 888A, 886A

DECEMBER 1989

FIGURE 3

5.0 GEOCHEMISTRY

5.1 SAMPLING PROCEDURE

A total of 1030 soil samples were collected on a 200 m by 50 m soil geochemical grid covering the Swan 1 and 3 claims. East - west claim lines were utilized as baselines spaced 2000 m apart. North - south soil lines were established using hip chain and compass, and soil stations at 50 m intervals were identified with grid - numbered, waterproof Tyvek tags and pink and blue flagging. Samples were collected from the "B" soil horizon with mattocks and placed in kraft paper bags marked with the appropriate grid co-ordinates. The samples were sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fraction used for gold, silver, copper and zinc analyses. Gold was analyzed by atomic absorption following aqua regia digestion and MIBK extraction from a 10 gram sample. Silver, copper and zinc were analyzed by ICP on a 0.5 gram sample digested with HCL-HNO3-H2O for one hour.

In addition 21 stream sediments, 1 reconnaissance soil and 17 rock samples were collected from the property area although most were taken prior to, and during, claim staking.

5.2 RESULTS (Figure 2, Plates 1 and 2)

Soil geochemical results for gold and silver are plotted on Plate 1 and for copper and zinc on Plate 2. Only values greater than, or equal to, 5 ppb Au, 0.4 ppm Ag, 30 ppm Cu and 100 ppm Zn are shown. All geochemical results are listed in section 10.0. Reconnaissance stream sediment, soil and rock sample locations are shown on Figure 2 and results are compiled in Table 2.

The soil geochemical results have been contoured at values of 15 ppb Au, 150 ppm Cu and 500 ppm Zn which are considered to be anomalous. Silver values are all low, so were not contoured.

Gold anomalies are largely scattered, single points, however some general trends do emerge. The most obvious is an east-west trending zone across the grid at about 3300 N with a high value of 330 ppb Au. To the south, two or three vague east to east-northeast trends are indicated with values up to 118 ppb Au. On the north part of the grid are two possible east-northeast gold zones, one approxiamately from 1000 E, 4000 N to 3400 E, 4400 N and another from about 1200 E, 4700 N to 3200 E, 5400 N. Detailed soil sampling in these anomalous areas may help to better define some of the gold targets.

Copper anomalies are small and scattered and correlate very poorly with high gold values although in some cases they lie along the trend of gold anomalies. High copper value are more concentrated in the southern part of the grid where they define a weak trend between about 2600 N and 2900 N, with a highest value of 306 ppm Cu.

GEOCHEMISTRY Continued

Zinc anomalies are irregular but well defined, with a highest value of 1272 ppm Zn. A 500 m long, northeast trending zone centered at 1400 E, 3900 N coincides with weakly anomalous gold values and a high copper value. A 600 m long, east trending zinc anomaly centered at 2200 E, 2600 N also overlaps a high copper value. A strong northwest trending zone centered at 2200 E, 2250 N is paralleled by a small zinc anomaly to the southwest. At the edge of the grid a 400 m long anomaly trending northeast is centered at 3200 E, 2100 N. These last three zinc rich trends do not coincide with the other element anomalies but are peripheral to some of the high gold values.

In summary the three elements, gold, copper and zinc, show very poor correlations, the gold anomalies define vague east to northeast trending zones, the copper anomalies are insignificant and the zinc anomalies have various orientations some of which lie along gold trends.

Reconnaissance stream sediment samples returned several weakly anomalous gold values in addition to the high value of 182 ppb Au from L298 - 2 which initiated staking of the property (Table 2). A number of those same samples had anomalous levels of copper and silver and one (Swan - 4) had high lead, zinc and molybdenum values as well. Rock grab samples all had low gold values however some contained moderate levels of copper and zinc.

GEOCHEMISTRY Continued

Table 2 **RECONNAISSANCE SAMPLE RESULTS**

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Mo (ppm)
A. STREAM SEDIMENT: L286 - L302 (1987), H4 & Swan (1989)							
L286 - 5	1	.6	80	9	62	11	1
L297 - 1	5	.8	150	6	45	7	1
L298 - 1	1	.5	54	8	43	9	10
L298 - 2	182	.4	69	15	108	4	2
L300 - 1	8	.3	70	18	100	7	2
L301 - 1	2	.4	85	15	386	3	2
L302 - 1	1	.1	61	7	64	2	1
- 2	1	.2	60	6	53	2	1
H4 - 1	1	.1	72	15	142	4	1
- 2	1	.1	62	10	90	4	2
- 3	1	.1	56	17	309	2	1
- 4	7	.7	139	13	66	2	1
- 5	5	.3	74	9	46	2	1
- 6	7	.5	86	8	49	2	1
- 7	4	.7	108	7	66	2	4
Swan - 1	2	.3	44	9	43	2	1
- 2	7	.8	145	18	50	2	3
- 3	6	.7	87	36	103	2	5
- 4	7	1.8	173	73	485	2	15
- 5	7	.7	107	45	124	5	2
- 6	5	.5	44	14	75	2	1
B. SOIL: 1987 Sample							
L298 - S1	11	1.7	326	8	154	7	16
C. ROCK: All 1989 Samples except L299 - R1 (1987)							
L299 - R1	1	.1					
H3 - R1	32	1.9	8		5		
H4 - R1	35	.9	12		88		
H4 - R2	4	.1	6		44		
H4 - R3	8	5.0	483		4405		
H4 - R4	5	.1	31		1106		
H4 - R5	43	1.4	193		89		
H4 - R6	.001 oz/t	.09 oz/t	.33 %		.01 %		
H4 - R6A	.001 oz/t	.03 oz/t	.06 %		.01 %		
H4 - R6B	.001 oz/t	.01 oz/t	.02 %		.01 %		
H4 - R7	8	.5	80		70		
H4 - R8	5	.7	108		70		
H4 - R9	1	.1					
H4 - R10	1	.1					
H4 - R11	22	.6					
H4 - R12	1	.1					
Swan - R1	59	.6					

6.0 PERSONNEL

	Days Worked - 1989	
J.D. Rowe, Geologist North Vancouver, B.C.	Oct. 17 - 23	7 days sampling 6 days report preparation
E.A. Balon, Prospector North Vancouver, B.C.	Oct. 17 - 23	7 days sampling
M. Steiner, Sampler Vancouver, B.C.	Oct 17 - 23	7 days sampling
M. Mayer, Sampler Abbotsford, B.C.	Oct. 17 - 23	7 days sampling

7.0 STATEMENT OF EXPENDITURES

SWAN PROPERTY

Swan 1 - 4 (80 units)
October 17 - Decmeber 8, 1989

Salaries and Benefits:

- J.D. Rowe	13 days	$5460.00	
- E.A. Balon	7 days	2310.00	
- M. Steiner	7 days	840.00	
- M. Mayer	7 days	840.00	$9450.00
Food, Accomodation, Travel			1131.66
Geochemical Analyses - 1030 soils Au, Ag, Cu, Zn			8909.33
Field Supplies			561.64
Maps and Air Photos			266.68
Drafting and Computer Plotting			180.69
Total Expenditures:			$20,500.00

J.D. Rowe

8.0 REFERENCES

B.C. MINISTRY OF ENERGY MINES AND PETROLEUM RESOURCES
Minfile 92H/NE

1979: PRETO, V.A.:
Geology of the Nicola Group between Merritt and Princeton, B.C.M.M. Bulletin 69.

1947: RICE, H.M.A:
Geology and Mineral Deposits of the Princeton Map - Area, B.C., Geol. Surv. Can. Memoir 243.

9.0 STATEMENT OF QUALIFICATIONS

I Jeffrey D. Rowe, of North Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 2596 Carnation Street, and employed by Cordilleran Engineering Ltd, of 1980 - 1055 West Hastings Street, Vancouver, British Columbia V6E 2E9.

2. I have received a B.Sc. degree in Honours Geology from the University of British Columbia, Vancouver, B.C. in 1975.

3. I have practiced my profession for sixteen years in British Columbia, Yukon and Quebec.

4. I am the author of this report and supervisor of the field work conducted on the Swan claims during the period October 17 to 23, 1989.

CORDILLERAN ENGINEERING LTD.

J D Rowe

Jeffrey D. Rowe, B.Sc.
Geologist

JDR/ds
December, 1989
Vancouver, B.C.

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

DATE RECEIVED: OCT 25 1989
DATE REPORT MAILED: Nov. 1/89

GEOCHEMICAL ANALYSIS CERTIFICATE

P - .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 SR 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-P29 SOIL P30 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

NOV 0 2

Cordilleran Engineering Ltd. PROJECT SWAN #1 FILE # 89-4476 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1000E 6000N	38	73	.1	2
L1000E 5950N	34	72	.1	19
L1000E 5900N	34	74	.2	3
L1000E 5850N	43	63	.1	3
L1000E 5800N	53	81	.1	1
L1000E 5750N	48	73	.1	1
L1000E 5700N	49	77	.1	1
L1000E 5650N	52	66	.2	1
L1000E 5600N	41	80	.2	1
L1000E 5550N	133	59	.4	1
L1000E 5500N	58	84	.1	1
L1000E 5450N	54	68	.1	3
L1000E 5400N	44	68	.1	1
L1000E 5350N	41	71	.1	1
L1000E 5300N	69	66	.2	1
L1000E 5250N	94	68	.1	2
L1000E 5200N	132	60	.1	1
L1000E 5150N	141	52	.1	4
L1000E 5100N	64	41	.2	1
L1000E 5050N	36	38	.1	3
L1000E 5000N	39	63	.3	1
L1000E 4950N	44	70	.2	1
L1000E 4900N	42	64	.2	4
L1000E 4850N	62	48	.2	4
L1000E 4800N	52	68	.2	2
L1000E 4750N	46	41	.2	3
L1000E 4700N	30	48	.1	3
L1000E 4650N	30	82	.2	1
L1000E 4600N	27	62	.2	1
L1000E 4550N	76	44	.1	1
L1000E 4500N	19	57	.1	2
L1000E 4450N	43	66	.2	1
L1000E 4400N	71	100	.1	1
L1000E 4350N	42	84	.2	2
L1000E 4300N	83	52	.1	1
L1000E 4250N	72	98	.1	3
L1000E 4150N	137	87	.3	2
STD C/AU-S	59	132	7.2	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1000E 4100N	88	143	.3	12
L1000E 4050N	99	71	.2	16
L1000E 4000N	51	85	.1	6
L1000E 3950N	114	60	.2	7
L1000E 3900N	122	69	.3	13
L1000E 3850N	56	92	.1	5
L1000E 3800N	31	60	.2	10
L1000E 3750N	42	86	.2	5
L1000E 3700N	51	103	.2	4
L1000E 3650N	30	88	.2	7
L1000E 3600N	67	59	.2	4
L1000E 3550N	48	55	.1	3
L1000E 3500N	53	101	.1	3
L1000E 3450N	34	78	.1	5
L1000E 3400N	22	287	.1	3
L1000E 3350N	29	264	.3	6
L1000E 3300N	19	204	.1	4
L1000E 3250N	25	147	.2	4
L1000E 3200N	80	166	.2	5
L1000E 3150N	35	157	.1	4
L1000E 3100N	26	137	.1	4
L1000E 3050N	7	94	.1	2
L1000E 3000N	15	61	.1	2
L1000E 2950N	15	31	.1	2
L1000E 2900N	23	44	.1	270
L1000E 2850N	16	69	.1	4
L1000E 2800N	18	74	.1	6
L1000E 2750N	22	74	.1	4
L1000E 2700N	16	41	.1	2
L1000E 2650N	22	52	.2	3
L1000E 2600N	29	120	.1	2
L1000E 2550N	63	77	.1	7
L1000E 2500N	28	127	.1	10
L1000E 2450N	20	159	.2	9
L1000E 2400N	25	118	.1	8
L1000E 2350N	16	114	.2	2
L1000E 2300N	13	89	.1	56
STD C/AU-S	62	132	6.5	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1000E 2250N	26	215	.1	7
L1000E 2200N	73	172	.1	6
L1000E 2150N	39	185	.1	4
L1000E 2100N	37	123	.1	4
L1000E 2050N	186	80	.1	7
L1000E 2000N	36	134	.1	4
L1200E 6000N	39	56	.1	9
L1200E 5950N	41	78	.2	3
L1200E 5900N	38	47	.2	4
L1200E 5850N	35	101	.2	4
L1200E 5800N	36	50	.1	2
L1200E 5750N	32	64	.1	4
L1200E 5700N	83	75	.2	2
L1200E 5650N	44	80	.1	1
L1200E 5600N	36	74	.1	9
L1200E 5550N	36	82	.1	8
L1200E 5500N	28	80	.1	108
L1200E 5450N	67	80	.2	8
L1200E 5400N	51	66	.1	2
L1200E 5350N	25	83	.1	5
L1200E 5300N	21	72	.1	1
L1200E 5250N	59	82	.1	4
L1200E 5200N	37	78	.1	6
L1200E 5150N	36	99	.2	2
L1200E 5100N	48	65	.1	5
L1200E 5050N	60	68	.1	8
L1200E 5000N	35	68	.1	3
L1200E 4950N	28	57	.1	4
L1200E 4900N	30	54	.1	5
L1200E 4850N	41	67	.1	4
L1200E 4800N	20	64	.1	1
L1200E 4750N	33	64	.1	2
L1200E 4700N	102	74	.1	8
L1200E 4650N	42	51	.1	1
L1200E 4600N	27	48	.1	2
L1200E 4550N	34	45	.1	3
STD C/AU-S	63	132	6.6	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1200E 4500N	16	50	.1	1
L1200E 4450N	5	38	.1	3
L1200E 4400N	16	49	.1	3
L1200E 4350N	15	56	.1	3
L1200E 4300N	29	74	.1	1
L1200E 4250N	8	39	.1	1
L1200E 4200N	20	75	.1	1
L1200E 4150N	21	63	.3	1
L1200E 4100N	19	61	.2	1
L1200E 4050N	10	72	.2	1
L1200E 4025N	19	59	.2	4
L1200E 4000N	17	69	.1	1
L1200E 3950N	141	44	.1	1
L1200E 3900N	24	86	.1	2
L1200E 3850N	30	77	.3	3
L1200E 3800N	29	78	.3	4
L1200E 3750N	242	507	.2	8
L1200E 3700N	21	125	.1	5
L1200E 3650N	17	181	.3	2
L1200E 3600N	11	196	.3	3
L1200E 3550N	12	171	.1	5
L1200E 3500N	12	143	.3	2
L1200E 3450N	10	310	.3	2
L1200E 3400N	15	250	.1	1
L1200E 3350N	30	157	.1	2
L1200E 3300N	22	196	.1	7
L1200E 3250N	3	164	.2	17
L1200E 3200N	29	151	.1	9
L1200E 3150N	9	124	.1	2
L1200E 3100N	9	59	.2	1
L1200E 3050N	45	91	.1	4
L1200E 3000N	36	98	.1	1
L1200E 2950N	15	64	.1	1
L1200E 2900N	17	82	.2	2
L1200E 2850N	21	137	.2	2
L1200E 2800N	12	43	.3	1
STD C/AU-S	59	132	6.6	49

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	AU* PPB
L1200E 2750N	29	151	.1	5
L1200E 2700N	23	61	.3	4
L1200E 2650N	10	75	.1	2
L1200E 2600N	18	80	.1	4
L1200E 2550N	25	136	.3	4
L1200E 2500N	18	134	.1	2
L1200E 2450N	32	94	.2	36
L1200E 2400N	15	86	.2	3
L1200E 2350N	32	107	.1	6
L1200E 2300N	21	62	.2	8
L1200E 2250N	28	102	.1	10
L1200E 2200N	33	124	.2	4
L1200E 2150N	33	80	.1	3
L1200E 2100N	32	74	.1	3
L1200E 2050N	23	71	.3	3
L1200E 2000N	22	138	.2	3
L1400E 6000N	42	33	.1	4
L1400E 5975N	36	57	.2	1
L1400E 5950N	30	51	.1	5
L1400E 5900N	24	69	.3	13
L1400E 5850N	23	70	.1	360
L1400E 5800N	38	66	.1	13
L1400E 5750N	23	68	.2	4
L1400E 5700N	26	74	.1	3
L1400E 5650N	19	70	.1	1
L1400E 5600N	33	39	.1	4
L1400E 5550N	28	54	.1	32
L1400E 5500N	31	56	.1	4
L1400E 5450N	65	40	.1	11
L1400E 5400N	39	61	.1	5
L1400E 5350N	133	56	.2	2
L1400E 5300N	108	65	.1	4
L1400E 5250N SS	41	61	.1	1
L1400E 5200N	47	61	.1	11
L1400E 5150N	5	50	.1	1
L1400E 5100N	23	103	.2	1
STD C/AU-S	58	132	6.6	49

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1400E 5000N	18	82	.1	1
L1400E 4950N	10	62	.2	3
L1400E 4900N	18	76	.2	1
L1400E 4850N	98	65	.5	14
L1400E 4800N	20	63	.1	1
L1400E 4750N	15	54	.1	19
L1400E 4700N	23	73	.2	3
L1400E 4650N	24	73	.1	1
L1400E 4600N	18	71	.1	1
L1400E 4550N	41	59	.2	1
L1400E 4500N	22	59	.1	1
L1400E 4450N	28	62	.1	2
L1400E 4400N	16	65	.1	1
L1400E 4350N	34	71	.2	1
L1400E 4300N	14	80	.2	1
L1400E 4250N	21	258	.2	1
L1400E 4200N	23	287	.1	1
L1400E 4150N	18	442	.1	1
L1400E 4100N	20	231	.2	2
L1400E 4050N	22	169	.1	4
L1400E 4000N	17	388	.1	1
L1400E 3950N	19	676	.8	11
L1400E 3900N	15	867	.1	2
L1400E 3850N	15	459	.2	1
L1400E 3800N	21	400	.1	2
L1400E 3750N	38	293	.3	4
L1400E 3700N	22	124	.1	3
L1400E 3650N	21	109	.1	2
L1400E 3600N	23	176	.1	1
L1400E 3550N	18	256	.1	4
L1400E 3500N	25	229	.1	5
L1400E 3450N	19	184	.1	3
L1400E 3350N	15	149	.1	34
L1400E 3300N	16	176	.1	1
L1400E 3250N	25	51	.2	1
L1400E 3200N	22	138	.1	6
STD C/AU-S	58	132	7.1	50

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1400E 3150N	17	114	.1	4
L1400E 3100N	8	61	.1	3
L1400E 3050N	21	102	.1	1
L1400E 3000N	24	105	.1	1
L1400E 2950N	22	82	.1	1
L1400E 2900N	132	41	.2	2
L1400E 2850N	306	79	.3	12
L1400E 2800N	221	164	.2	1
L1400E 2750N	79	247	.2	1
L1400E 2700N	14	164	.1	2
L1400E 2650N	10	132	.1	3
L1400E 2600N	26	191	.1	5
L1400E 2550N	19	182	.1	1
L1400E 2500N	7	280	.1	2
L1400E 2450N	10	126	.1	2
L1400E 2400N	9	110	.1	1
L1400E 2350N	19	180	.1	6
L1400E 2300N	34	228	.1	4
L1400E 2250N	25	145	.1	3
L1400E 2200N	27	153	.1	21
L1400E 2150N	20	88	.1	1
L1400E 2100N	24	131	.3	4
L1400E 2050N	31	79	.1	4
L1400E 2000N	19	109	.1	6
L1600E 6000N	20	36	.1	1
L1600E 5950N	21	45	.1	5
L1600E 5900N	22	46	.1	2
L1600E 5850N	26	48	.1	2
L1600E 5800N	25	63	.1	3
L1600E 5750N	30	88	.1	1
L1600E 5700N	132	43	.4	6
L1600E 5650N	13	24	.1	3
L1600E 5600N	109	39	.1	2
L1600E 5550N	60	45	.1	2
L1600E 5500N	37	60	.1	2
L1600E 5450N	28	70	.1	6
STD C/AU-S	63	132	7.8	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1600E 5400N	25	87	.1	1
L1600E 5350N	24	74	.1	1
L1600E 5300N	11	47	.1	1
L1600E 5250N	22	53	.1	5
L1600E 5200N	31	98	.2	8
L1600E 5150N	10	35	.1	1
L1600E 5100N	17	70	.1	1
L1600E 5050N	21	51	.2	1
L1600E 5000N	6	71	.2	1
L1600E 4950N	25	65	.1	1
L1600E 4900N	15	114	.1	1
L1600E 4850N	29	249	.2	2
L1600E 4800N	18	113	.2	52
L1600E 4750N	14	124	.2	1
L1600E 4700N	34	83	.2	5
L1600E 4650N	10	100	.1	1
L1600E 4600N	14	82	.1	9
L1600E 4550N	15	159	.2	3
L1600E 4500N	13	89	.1	3
L1600E 4450N	22	119	.2	2
L1600E 4400N	25	125	.1	5
L1600E 4350N	24	170	.1	14
L1600E 4300N	16	69	.1	1
L1600E 4250N	26	128	.1	8
L1600E 4200N	24	172	.2	146
L1600E 4150N	20	119	.3	2
L1600E 4100N	23	313	.1	10
L1600E 4050N	24	207	.1	13
L1600E 4000N	22	532	.1	5
L1600E 3950N	23	403	.2	5
L1600E 3900N	11	698	.1	3
L1600E 3850N	16	500	.3	5
L1600E 3800N	12	126	.2	3
L1600E 3750N	13	152	.2	2
L1600E 3700N	15	144	.1	4
L1600E 3650N	13	97	.1	7
STD C/AU-S	63	132	7.8	47

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1600E 3600N	22	131	.1	7
L1600E 3550N	16	125	.1	6
L1600E 3500N	23	122	.1	11
L1600E 3450N	22	118	.1	6
L1600E 3400N	43	125	.1	6
L1600E 3350N	43	126	.1	4
L1600E 3300N	31	92	.1	5
L1600E 3250N	19	85	.1	4
L1600E 3200N	19	122	.1	3
L1600E 3150N	24	118	.1	2
L1600E 3100N	22	123	.1	3
L1600E 3050N	18	134	.1	1
L1600E 3000N	19	128	.1	9
L1600E 2950N	19	97	.1	2
L1600E 2900N	16	104	.2	11
L1600E 2850N	16	135	.1	2
L1600E 2800N	22	106	.1	18
L1600E 2750N	11	142	.1	3
L1600E 2700N	14	257	.1	3
L1600E 2650N	14	144	.1	2
L1600E 2600N	32	206	.1	2
L1600E 2550N	29	141	.1	3
L1600E 2500N	23	156	.2	24
L1600E 2450N	31	168	.1	12
L1600E 2400N	20	217	.1	2
L1600E 2350N	43	227	.1	2
L1600E 2300N	76	231	.1	2
L1600E 2250N	23	281	.1	3
L1600E 2200N	34	330	.2	6
L1600E 2150N	23	361	.1	2
L1600E 2100N	40	185	.2	5
L1600E 2050N	66	130	.3	4
L1600E 2000N	15	116	.1	21
L1800E 6000N	39	47	.1	7
L1800E 5950N	26	78	.1	21
L1800E 5900N	88	56	.1	4
STD C/AU-S	59	132	7.2	47

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1800E 5850N	40	68	.2	7
L1800E 5800N	53	81	.3	1
L1800E 5750N	28	61	.2	3
L1800E 5700N	19	88	.2	6
L1800E 5650N	20	55	.2	1
L1800E 5600N	31	64	.1	2
L1800E 5550N	31	82	.2	2
L1800E 5500N	36	85	.1	3
L1800E 5450N	83	96	.3	3
L1800E 5400N	45	80	.2	5
L1800E 5350N	31	87	.2	1
L1800E 5300N	24	54	.1	1
L1800E 5250N	25	666	.1	4
L1800E 5200N	14	490	.1	10
L1800E 5150N	19	194	.2	22
L1800E 5100N	43	118	.2	13
L1800E 5050N	42	234	.2	9
L1800E 5000N	15	89	.1	3
L1800E 4950N	38	89	.3	7
L1800E 4900N	39	129	.1	5
L1800E 4850N	23	111	.1	4
L1800E 4800N	27	59	.1	5
L1800E 4750N	28	130	.2	1
L1800E 4700N	32	178	.1	4
L1800E 4650N	22	179	.2	3
L1800E 4600N	23	136	.1	4
L1800E 4550N	31	93	.1	4
L1800E 4500N	52	119	.1	4
L1800E 4450N	24	111	.1	1
L1800E 4400N	26	76	.1	1
L1800E 4350N	39	72	.1	1
L1800E 4300N	29	85	.1	6
L1800E 4250N	25	91	.1	3
L1800E 4200N	30	70	.1	2
L1800E 4150N	21	181	.1	2
L1800E 4100N	27	100	.1	5
STD C/AU-S	58	132	6.6	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1800E 4050N	26	121	.1	2
L1800E 4000N	23	105	.1	4
L1800E 3950N	23	118	.2	6
L1800E 3900N	26	137	.1	1
L1800E 3850N	37	126	.2	3
L1800E 3800N	26	106	.2	3
L1800E 3750N	23	134	.3	1
L1800E 3700N	27	75	.2	2
L1800E 3650N	25	252	.3	9
L1800E 3600N	36	109	.1	2
L1800E 3550N	42	130	.1	2
L1800E 3500N	16	111	.1	2
L1800E 3450N	42	46	.1	23
L1800E 3400N	36	105	.1	8
L1800E 3350N	30	226	.1	19
L1800E 3300N	26	114	.1	6
L1800E 3250N	32	67	.1	8
L1800E 3200N	27	46	.2	1
L1800E 3150N	42	56	.1	5
L1800E 3100N	83	69	.3	8
L1800E 3050N	45	46	.2	9
L1800E 3000N	44	103	.2	5
L1800E 2950N	28	102	.1	4
L1800E 2900N	154	347	.2	8
L1800E 2850N	70	252	.2	2
L1800E 2800N	65	174	.2	3
L1800E 2750N	59	365	.2	2
L1800E 2700N	27	184	.1	2
L1800E 2650N	66	165	.2	1
L1800E 2600N	41	115	.2	10
L1800E 2550N	33	142	.2	2
L1800E 2500N	32	138	.1	3
L1800E 2450N	30	136	.2	3
L1800E 2400N	39	149	.3	2
L1800E 2350N	26	132	.2	3
L1800E 2300N	58	165	.1	4
STD C/AU-S	63	132	6.6	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L1800E 2250N	29	230	.1	2
L1800E 2200N	43	127	.2	1
L1800E 2150N	64	106	.2	13
L1800E 2100N	30	138	.1	3
L1800E 2050N	145	98	.2	6
L1800E 2000N	33	110	.1	2
L2000E 6000N	29	41	.1	3
L2000E 5950N	41	49	.2	1
L2000E 5900N	33	64	.1	5
L2000E 5850N	47	83	.1	19
L2000E 5800N	17	53	.1	3
L2000E 5750N	21	65	.1	1
L2000E 5700N	32	96	.2	1
L2000E 5650N	13	53	.1	1
L2000E 5600N	32	54	.1	13
L2000E 5550N	49	57	.1	3
L2000E 5500N	40	68	.1	3
L2000E 5450N	31	73	.1	1
L2000E 5400N	39	64	.1	5
L2000E 5350N	18	101	.1	8
L2000E 5300N	41	60	.1	54
L2000E 5250N	19	61	.1	3
L2000E 5200N	41	67	.1	5
L2000E 5150N	54	89	.1	2
L2000E 5100N	19	75	.1	6
L2000E 5050N	31	97	.1	26
L2000E 5000N	22	58	.1	2
L2000E 4950N	21	62	.1	1
L2000E 4900N	17	57	.1	2
L2000E 4850N	28	52	.1	1
L2000E 4800N	24	64	.1	1
L2000E 4750N	25	72	.1	1
L2000E 4700N	26	59	.1	1
L2000E 4650N	24	66	.1	56
L2000E 4600N	27	47	.1	4
L2000E 4550N	29	61	.1	2
STD C/AU-S	63	132	6.8	52

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2000E 4500N	24	36	.1	5
L2000E 4450N	22	40	.1	22
L2000E 4400N	37	51	.1	5
L2000E 4350N	34	65	.1	5
L2000E 4300N	24	87	.1	19
L2000E 4250N	24	80	.1	6
L2000E 4200N	30	89	.1	6
L2000E 4150N	26	83	.2	7
L2000E 4100N	36	76	.1	10
L2000E 4050N	30	100	.1	5
L2000E 4000N	39	74	.2	18
L2000E 3950N	26	118	.1	4
L2000E 3900N	29	102	.1	6
L2000E 3850N	28	98	.2	6
L2000E 3800N	35	102	.2	2
L2000E 3750N	31	75	.1	7
L2000E 3700N	32	35	.1	5
L2000E 3650N	30	113	.2	8
L2000E 3600N	26	73	.1	7
L2000E 3550N	30	46	.1	13
L2000E 3500N	22	47	.1	3
L2000E 3450N	24	43	.1	12
L2000E 3400N	32	51	.1	14
L2000E 3350N	18	38	.1	23
L2000E 3300N	21	71	.1	8
L2000E 3250N	33	116	.1	6
L2000E 3200N	25	180	.3	5
L2000E 3150N	32	115	.2	17
L2000E 3100N	41	54	.1	12
L2000E 3050N	25	49	.2	2
L2000E 3000N	18	45	.1	2
L2000E 2950N	22	180	.1	7
L2000E 2900N	96	99	.2	15
L2000E 2750N	21	80	.2	1
L2000E 2700N	37	207	.2	5
L2000E 2650N	191	974	.4	4
STD C/AU-S	62	131	7.7	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2000E 2600N	24	176	.2	4
L2000E 2550N	21	143	.1	1
L2000E 2500N	36	117	.2	1
L2000E 2450N	124	554	.3	12
L2000E 2400N	30	171	.2	1
L2000E 2350N	27	211	.1	1
L2000E 2300N	31	119	.1	10
L2000E 2250N	36	213	.2	1
L2000E 2200N	31	322	.2	2
L2000E 2150N	27	588	.1	1
L2000E 2100N	38	1016	.1	1
L2000E 2050N	21	109	.1	5
L2000E 2000N	35	89	.3	1
L2200E 6000N	34	60	.1	1
L2200E 5950N	23	48	.1	2
L2200E 5900N	32	63	.1	6
L2200E 5850N	20	64	.1	1
L2200E 5800N	18	65	.1	2
L2200E 5750N	28	76	.1	3
L2200E 5700N	23	92	.1	26
L2200E 5650N	4	99	.1	5
L2200E 5600N	26	89	.1	3
L2200E 5550N	33	218	.1	1
L2200E 5500N	28	89	.1	3
L2200E 5450N	28	93	.1	4
L2200E 5400N	38	334	.1	4
L2200E 5350N	22	155	.2	2
L2200E 5300N	17	96	.1	2
L2200E 5250N	30	115	.1	4
L2200E 5200N	33	82	.1	1
L2200E 5150N	29	73	.1	1
L2200E 5100N	40	55	.1	4
L2200E 5050N	53	50	.1	3
L2200E 5000N	40	53	.1	1
L2200E 4950N	241	60	.3	6
L2200E 4900N	44	79	.1	1
STD C/AU-S	59	132	6.5	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2200E 4850N	206	85	.4	6
L2200E 4800N	291	100	.8	2
L2200E 4750N	35	72	.2	6
L2200E 4700N	26	74	.2	5
L2200E 4650N	33	78	.1	2
L2200E 4600N	34	87	.2	1
L2200E 4550N	38	83	.1	5
L2200E 4500N	40	92	.1	26
L2200E 4450N	35	83	.1	25
L2200E 4400N	46	107	.1	3
L2200E 4350N	29	68	.1	2
L2200E 4300N	41	69	.2	10
L2200E 4250N	41	90	.1	16
L2200E 4200N	34	88	.1	19
L2200E 4150N	33	114	.2	78
L2200E 4000N	35	39	.1	10
L2200E 3950N	36	54	.1	1
L2200E 3900N	25	85	.1	2
L2200E 3850N	25	58	.1	8
L2200E 3800N	32	55	.1	10
L2200E 3750N	36	48	.1	5
L2200E 3700N	30	47	.1	3
L2200E 3650N	34	50	.1	5
L2200E 3600N	40	48	.2	14
L2200E 3550N	34	51	.1	1
L2200E 3500N	34	57	.1	5
L2200E 3450N	32	56	.2	13
L2200E 3400N	30	72	.1	4
L2200E 3350N	34	87	.4	1
L2200E 3300N	33	79	.1	10
L2200E 3250N	27	88	.1	330
L2200E 3200N	18	65	.1	4
L2200E 3150N	21	49	.1	23
L2200E 3100N	21	59	.1	72
L2200E 3050N	19	72	.1	3
L2200E 3000N	27	76	.2	18
STD C/AU-S	57	132	6.5	52

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2200E 2950N	22	71	.1	5
L2200E 2900N	18	73	.1	24
L2200E 2850N	22	62	.1	7
L2200E 2800N	27	74	.1	5
L2200E 2750N	18	75	.1	2
L2200E 2700N	25	89	.1	3
L2200E 2650N	35	104	.1	8
L2200E 2600N	130	1272	.1	2
L2200E 2550N	35	194	.1	1
L2200E 2500N	39	101	.1	4
L2200E 2450N	15	250	.1	20
L2200E 2400N	15	394	.1	6
L2200E 2350N	17	403	.1	72
L2200E 2300N	15	520	.1	2
L2200E 2250N	19	909	.1	6
L2200E 2200N	16	658	.2	7
L2200E 2150N	17	452	.1	5
L2200E 2100N	19	393	.2	2
L2200E 2050N	25	132	.1	1
L2200E 2000N	72	88	.3	5
L2400E 6000N	33	72	.1	2
L2400E 5950N	35	76	.1	9
L2400E 5900N	38	99	.2	2
L2400E 5850N	36	68	.1	4
L2400E 5800N	30	96	.1	5
L2400E 5750N	26	89	.1	9
L2400E 5700N	24	123	.1	12
L2400E 5650N	42	89	.1	3
L2400E 5600N	28	87	.1	5
L2400E 5550N	22	103	.1	2
L2400E 5500N	26	92	.1	2
L2400E 5450N	32	94	.1	2
L2400E 5400N	30	100	.1	1
L2400E 5350N	12	174	.1	1
L2400E 5300N	34	121	.1	3
L2400E 5250N	22	88	.3	3
STD C/AU-S	63	132	6.6	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2400E 5200N	28	86	.1	21
L2400E 5150N	36	89	.1	9
L2400E 5100N	38	89	.1	3
L2400E 5050N	35	71	.1	12
L2400E 5000N	37	66	.1	2
L2400E 4950N	41	82	.1	5
L2400E 4900N	29	89	.1	3
L2400E 4850N	33	100	.2	2
L2400E 4800N	27	90	.1	2
L2400E 4750N	32	56	.1	1
L2400E 4700N	40	90	.2	3
L2400E 4650N	29	128	.1	17
L2400E 4600N	38	124	.2	6
L2400E 4550N	32	78	.1	6
L2400E 4500N	46	71	.1	5
L2400E 4450N	28	63	.2	11
L2400E 4400N	29	98	.1	4
L2400E 4350N	30	49	.1	4
L2400E 4300N	32	48	.1	3
L2400E 4250N	44	63	.1	10
L2400E 4200N	31	66	.1	6
L2400E 4150N	26	47	.1	10
L2400E 4100N	27	37	.1	8
L2400E 4050N	32	65	.1	11
L2400E 4000N	33	67	.2	1
L2400E 3950N	47	59	.2	7
L2400E 3900N	27	104	.3	3
L2400E 3850N	22	73	.1	12
L2400E 3800N	21	119	.1	1
L2400E 3750N	22	74	.1	1
L2400E 3700N	20	102	.1	1
L2400E 3650N	19	95	.1	2
L2400E 3600N	24	77	.1	3
L2400E 3550N	24	79	.1	1
L2400E 3500N	27	89	.2	1
L2400E 3450N	25	96	.1	4
STD C/AU-S	62	132	6.7	52

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2400E 3400N	29	96	.1	6
L2400E 3350N	20	117	.1	4
L2400E 3300N	26	155	.2	4
L2400E 3250N	39	75	.1	16
L2400E 3200N	28	63	.1	2
L2400E 3150N	19	84	.1	4
L2400E 3100N	48	131	.2	5
L2400E 3050N	58	995	.1	1
L2400E 3000N	141	933	.5	6
L2400E 2950N	35	275	.1	10
L2400E 2900N	25	383	.2	4
L2400E 2850N	19	479	.3	5
L2400E 2800N	50	603	.3	2
L2400E 2750N	23	498	.1	1
L2400E 2700N	25	686	.3	1
L2400E 2650N	45	881	.2	1
L2400E 2600N	21	299	.2	6
L2400E 2550N	20	182	.2	3
L2400E 2500N	18	190	.1	4
L2400E 2450N	15	192	.1	3
L2400E 2400N	14	244	.1	3
L2400E 2350N	13	293	.1	1
L2400E 2300N	15	331	.1	1
L2400E 2250N	17	354	.1	3
L2400E 2200N	14	385	.1	1
L2400E 2150N	14	426	.2	118
L2400E 2100N	15	572	.1	2
L2400E 2050N	12	543	.2	3
L2400E 2000N	16	512	.1	1
L2600E 6000N	22	72	.1	7
L2600E 5950N	23	92	.1	1
L2600E 5900N	38	73	.1	8
L2600E 5850N	40	87	.1	3
L2600E 5800N	25	91	.1	1
L2600E 5750N	24	60	.1	2
L2600E 5700N	22	112	.1	2
STD C/AU-S	61	132	6.6	47

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2600E 5650N	46	71	.1	6
L2600E 5600N	31	116	.1	7
L2600E 5550N	38	87	.1	2
L2600E 5500N	19	83	.1	1
L2600E 5450N	54	78	.1	4
L2600E 5400N	33	97	.1	1
L2600E 5350N	23	94	.1	1
L2600E 5300N	26	96	.2	15
L2600E 5250N	32	74	.1	4
L2600E 5200N	32	92	.2	2
L2600E 5150N	29	107	.1	2
L2600E 5100N	29	86	.1	51
L2600E 5050N	33	70	.1	5
L2600E 5000N	28	70	.1	1
L2600E 4950N	38	90	.1	1
L2600E 4900N	34	82	.2	1
L2600E 4850N	32	76	.2	1
L2600E 4800N	30	67	.1	1
L2600E 4750N	31	64	.1	1
L2600E 4700N	35	102	.1	1
L2600E 4650N	37	93	.1	1
L2600E 4600N	19	42	.1	3
L2600E 4550N	39	101	.1	4
L2600E 4500N	84	54	.1	2
L2600E 4450N	69	55	.1	1
L2600E 4400N	29	47	.1	13
L2600E 4350N	34	45	.1	1
L2600E 4300N	43	58	.1	3
L2600E 4250N	40	57	.1	4
L2600E 4200N	27	48	.1	15
L2600E 4150N	30	52	.2	1
L2600E 4100N	38	87	.2	1
L2600E 4050N	26	42	.1	3
L2600E 4000N	22	60	.1	1
L2600E 3950N	89	66	.1	2
L2600E 3900N	30	95	.1	1
STD C/AU-S	63	132	6.7	49

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2600E 3450N	35	166	.2	4
L2600E 3400N	63	81	.2	3
L2600E 3350N	18	59	.3	12
L2600E 3300N	23	65	.3	4
L2600E 3250N	37	68	.2	18
L2600E 3200N	15	25	.1	5
L2600E 3150N	32	83	.1	1
L2600E 3100N	26	47	.1	4
L2600E 3050N	76	113	.1	17
L2600E 3000N	39	187	.2	5
L2600E 2950N	22	87	.1	9
L2600E 2900N	29	134	.1	7
L2600E 2850N	31	95	.2	1
L2600E 2800N	29	108	.1	1
L2600E 2750N	18	82	.1	2
L2600E 2700N	24	114	.1	1
L2600E 2650N	38	83	.1	1
L2600E 2600N	294	92	.3	2
L2600E 2550N	73	86	.1	3
L2600E 2500N	96	107	.1	2
L2600E 2450N	26	98	.2	2
L2600E 2400N	35	94	.2	8
L2600E 2350N	32	116	.1	1
L2600E 2300N	47	225	.2	1
L2600E 2250N	73	153	.2	12
L2600E 2200N	51	98	.1	9
L2600E 2150N	254	113	.6	1
L2600E 2100N	28	142	.1	1
L2600E 2050N	146	126	.2	2
L2600E 2000N	30	202	.1	1
L2800E 6000N	38	60	.1	1
L2800E 5950N	22	64	.1	1
L2800E 5900N	35	76	.1	1
L2800E 5850N	27	63	.1	5
L2800E 5800N	51	63	.1	3
L2800E 5750N	34	87	.1	1
STD C/AU-S	61	132	6.7	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2800E 5700N	31	106	.1	3
L2800E 5650N	27	97	.1	2
L2800E 5600N	24	89	.1	6
L2800E 5550N	31	110	.2	5
L2800E 5500N	25	90	.1	6
L2800E 5450N	20	104	.1	3
L2800E 5400N	23	100	.2	2
L2800E 5350N	63	65	.4	4
L2800E 5300N	30	55	.1	2
L2800E 5250N	21	49	.2	2
L2800E 5200N	46	59	.2	2
L2800E 5150N	43	39	.1	2
L2800E 5000N	29	75	.2	3
L2800E 4950N	35	62	.1	3
L2800E 4900N	23	62	.2	6
L2800E 4850N	14	46	.1	3
L2800E 4800N	43	68	.2	4
L2800E 4750N	28	66	.2	1
L2800E 4700N	26	65	.1	4
L2800E 4650N	29	80	.1	2
L2800E 4600N	30	30	.1	4
L2800E 4550N	35	65	.2	1
L2800E 4500N	25	60	.1	4
L2800E 4450N	22	53	.1	3
L2800E 4400N	33	40	.2	5
L2800E 4350N	89	55	.3	3
L2800E 4300N	63	51	.2	3
L2800E 4250N	138	37	.4	4
L2800E 4200N	25	51	.1	1
L2800E 4150N	70	37	.2	2
L2800E 4100N	30	43	.1	1
L2800E 4050N	23	54	.1	1
L2800E 4000N	31	50	.2	1
L2800E 3975N	26	55	.1	6
L2800E 3950N	16	63	.1	1
L2800E 3900N	31	78	.3	7
STD C/AU-S	60	132	6.5	50

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2800E 3850N	20	54	.4	1
L2800E 3800N	56	103	.3	1
L2800E 3750N	51	53	.3	1
L2800E 3700N	32	64	.4	3
L2800E 3650N	41	58	.4	4
L2800E 3600N	38	71	.3	3
L2800E 3550N	65	179	.1	1
L2800E 3500N	14	66	.1	3
L2800E 3450N	18	73	.2	1
L2800E 3400N	12	103	.3	1
L2800E 3350N	15	122	.2	13
L2800E 3300N	17	62	.1	12
L2800E 3250N	14	85	.1	16
L2800E 3200N	17	104	.2	2
L2800E 3150N	23	105	.3	3
L2800E 3100N	15	147	.1	5
L2800E 3050N	27	187	.3	17
L2800E 3000N	43	203	.2	1
L2800E 2950N	51	320	.3	1
L2800E 2900N	34	125	.2	1
L2800E 2850N	20	99	.1	2
L2800E 2800N	25	92	.1	1
L2800E 2750N	25	106	.3	4
L2800E 2700N	24	95	.2	8
L2800E 2650N	28	74	.1	3
L2800E 2600N	75	55	.2	2
L2800E 2550N	34	45	.1	1
L2800E 2500N	27	46	.1	1
L2800E 2450N	27	45	.1	8
L2800E 2400N	30	34	.1	6
L2800E 2350N	36	40	.1	3
L2800E 2300N	28	36	.1	2
L2800E 2250N	32	41	.2	1
L2800E 2200N	42	45	.2	2
L2800E 2150N	33	47	.2	3
L2800E 2100N	49	60	.2	5
STD C/AU-S	62	132	6.6	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L2800E 2050N	33	76	.2	8
L2800E 2000N	33	63	.1	4
L3000E 6000N	42	95	.2	2
L3000E 5950N	34	54	.1	2
L3000E 5900N	25	77	.2	3
L3000E 5850N	51	77	.2	4
L3000E 5800N	38	83	.1	6
L3000E 5750N	33	74	.1	2
L3000E 5700N	29	75	.1	4
L3000E 5650N	52	73	.2	2
L3000E 5600N	76	66	.4	2
L3000E 5550N	37	61	.2	4
L3000E 5500N	41	64	.1	1
L3000E 5450N	69	51	.2	3
L3000E 5400N	57	58	.1	20
L3000E 5350N	23	67	.1	2
L3000E 5300N	19	51	.1	1
L3000E 5150N	27	69	.2	6
L3000E 5100N	28	51	.1	14
L3000E 5050N	23	65	.1	1
L3000E 5000N	19	64	.1	36
L3000E 4950N	17	55	.1	6
L3000E 4900N	20	61	.1	6
L3000E 4850N	35	82	.2	1
L3000E 4800N	26	52	.1	1
L3000E 4750N	31	50	.1	1
L3000E 4700N	54	46	.1	4
L3000E 4650N	30	58	.1	1
L3000E 4600N	38	57	.1	4
L3000E 4550N	34	58	.1	6
L3000E 4500N	26	56	.2	2
L3000E 4400N	103	40	.1	6
L3000E 4350N	43	32	.1	4
L3000E 4300N	28	54	.1	4
L3000E 4250N	23	47	.1	6
L3000E 4200N	39	41	.1	6
STD C/AU-S	62	132	6.5	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3000E 4150N	23	37	.1	5
L3000E 4100N	120	45	.3	3
L3000E 4050N	40	36	.1	21
L3000E 4000N	31	45	.1	10
L3000E 3975N	263	47	.6	10
L3000E 3950N	141	39	.4	6
L3000E 3900N	40	51	.2	1
L3000E 3850N	41	50	.1	3
L3000E 3800N	31	66	.1	6
L3000E 3750N	31	65	.1	2
L3000E 3700N	22	51	.1	14
L3000E 3650N	23	83	.1	4
L3000E 3600N	19	75	.1	13
L3000E 3550N	24	73	.1	6
L3000E 3500N	30	62	.1	12
L3000E 3450N	22	94	.1	1
L3000E 3400N	25	78	.1	3
L3000E 3350N	55	55	.1	13
L3000E 3300N	27	48	.1	15
L3000E 3250N	24	47	.1	3
L3000E 3200N	53	66	.2	4
L3000E 3150N	18	116	.1	1
L3000E 3100N	26	86	.1	5
L3000E 3050N	22	72	.1	3
L3000E 3000N	24	69	.1	1
L3000E 2950N	25	77	.1	2
L3000E 2900N	26	66	.1	3
L3000E 2850N	24	51	.1	1
L3000E 2800N	22	79	.1	2
L3000E 2750N	26	87	.1	2
L3000E 2700N	21	87	.1	14
L3000E 2650N	32	86	.1	5
L3000E 2600N	35	64	.1	4
L3000E 2550N	22	43	.1	2
L3000E 2500N	28	100	.1	19
L3000E 2450N	31	89	.1	3
STD C/AU-S	59	132	7.0	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3000E 2400N	29	52	.1	16
L3000E 2350N	18	43	.2	3
L3000E 2300N	28	67	.2	5
L3000E 2250N	25	82	.1	6
L3000E 2200N	43	87	.2	3
L3000E 2150N	53	76	.2	5
L3000E 2100N	41	269	.2	3
L3000E 2050N	23	848	.2	3
L3000E 2000N	17	914	.2	8
L3200E 6000N	41	80	.1	5
L3200E 5950N	24	66	.1	7
L3200E 5900N	28	80	.1	4
L3200E 5850N	60	76	.2	3
L3200E 5800N	61	68	.2	3
L3200E 5750N	105	68	.3	5
L3200E 5700N	49	56	.4	6
L3200E 5650N	67	51	.2	2
L3200E 5600N	27	48	.3	3
L3200E 5450N	39	55	.2	2
L3200E 5400N	26	56	.3	4
L3200E 5350N	32	64	.2	10
L3200E 5300N	36	64	.1	4
L3200E 5250N	25	51	.2	2
L3200E 5200N	24	49	.2	1
L3200E 5150N	25	53	.1	5
L3200E 5100N	34	49	.2	6
L3200E 5050N	50	40	.3	4
L3200E 5000N	24	49	.1	7
L3200E 4950N	28	52	.2	1
L3200E 4900N	29	49	.2	3
L3200E 4850N	27	44	.2	8
L3200E 4800N	42	71	.2	5
L3200E 4750N	30	61	.1	1
L3200E 4700N	23	59	.1	2
L3200E 4650N	27	61	.1	3
L3200E 4600N	23	73	.2	2
STD C/AU-S	59	132	6.6	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3200E 4500N	158	59	.4	2
L3200E 4450N	29	50	.1	4
L3200E 4400N	38	49	.2	4
L3200E 4350N	35	51	.1	99
L3200E 4300N	37	61	.1	5
L3200E 4250N	45	61	.1	10
L3200E 4200N	33	56	.2	2
L3200E 4150N	30	50	.1	3
L3200E 4100N	26	43	.1	7
L3200E 4050N	27	42	.1	5
L3200E 4000N	24	39	.1	4
L3200E 3975N	47	42	.2	1
L3200E 3950N	24	61	.1	1
L3200E 3900N	24	56	.1	3
L3200E 3850N	31	45	.1	1
L3200E 3800N	30	45	.1	10
L3200E 3750N	26	48	.1	3
L3200E 3700N	28	47	.2	1
L3200E 3650N	83	48	.3	1
L3200E 3600N	92	57	.2	4
L3200E 3550N	91	58	.2	3
L3200E 3500N	26	42	.1	1
L3200E 3450N	34	40	.1	3
L3200E 3400N	36	49	.1	3
L3200E 3350N	36	51	.1	4
L3200E 3300N	40	49	.1	1
L3200E 3250N	46	50	.1	2
L3200E 3200N	38	37	.1	6
L3200E 3150N	20	41	.1	76
L3200E 3100N	38	72	.1	6
L3200E 3050N	137	108	.3	17
L3200E 3000N	21	40	.1	3
L3200E 2950N	152	37	.2	7
L3200E 2900N	20	35	.1	2
L3200E 2850N	18	37	.1	28
L3200E 2800N	28	53	.1	4
STD C/AU-S	62	132	7.1	49

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3200E 2750N	28	47	.1	1
L3200E 2700N	249	244	.9	8
L3200E 2650N	22	69	.3	1
L3200E 2600N	25	78	.3	3
L3200E 2550N	35	46	.1	2
L3200E 2500N	29	230	.2	8
L3200E 2450N	44	233	.1	3
L3200E 2400N	20	175	.1	1
L3200E 2350N	32	272	.2	2
L3200E 2300N	35	224	.1	2
L3200E 2250N	33	391	.1	13
L3200E 2200N	36	630	.1	5
L3200E 2150N	27	727	.2	9
L3200E 2100N	19	845	.2	1
L3200E 2050N	34	511	.2	2
L3200E 2000N	28	399	.1	4
L3400E 6000N	29	90	.1	28
L3400E 5950N	40	74	.1	3
L3400E 5900N	23	63	.1	3
L3400E 5850N	28	59	.1	9
L3400E 5800N	27	62	.1	7
L3400E 5750N	28	65	.1	3
L3400E 5700N	27	57	.1	5
L3400E 5650N	26	56	.1	2
L3400E 5250N	44	72	.1	2
L3400E 5200N	31	67	.1	1
L3400E 5150N	29	73	.1	1
L3400E 5100N	46	81	.1	5
L3400E 5050N	36	64	.1	3
L3400E 5000N	29	78	.2	3
L3400E 4950N	27	75	.1	2
L3400E 4900N	26	53	.1	1
L3400E 4850N	22	37	.1	5
L3400E 4800N	27	51	.1	10
L3400E 4750N	42	35	.1	6
L3400E 4700N	52	44	.2	2
STD C/AU-S	62	132	6.6	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3400E 4650N	28	44	.1	220
L3400E 4600N	18	62	.1	1
L3400E 4550N	28	76	.1	1
L3400E 4500N	27	34	.1	1
L3400E 4450N	25	55	.1	2
L3400E 4400N	26	57	.2	10
L3400E 4350N	28	45	.1	2
L3400E 4300N	21	36	.1	1
L3400E 4250N	24	51	.1	5
L3400E 4200N	17	32	.1	2
L3400E 4150N	47	44	.1	1
L3400E 4100N	36	46	.1	1
L3400E 4050N	93	69	.5	3
L3400E 4025N	23	53	.1	3
L3400E 4000N	21	63	.1	1
L3400E 3950N	26	79	.1	1
L3400E 3900N	16	64	.1	1
L3400E 3850N	27	67	.1	1
L3400E 3800N	36	54	.1	5
L3400E 3750N	17	44	.1	3
L3400E 3700N	11	39	.1	1
L3400E 3650N	24	70	.1	2
L3400E 3600N	21	122	.1	2
L3400E 3550N	48	282	.3	4
L3400E 3500N	17	127	.1	1
L3400E 3450N	16	86	.1	2
L3400E 3400N	21	176	.1	1
L3400E 3350N	25	83	.1	1
L3400E 3300N	30	119	.1	1
L3400E 3250N	22	73	.1	20
L3400E 3200N	26	52	.1	2
L3400E 3150N	46	72	.1	3
L3400E 3100N	24	39	.1	1
L3400E 3050N	21	36	.1	1
L3400E 3000N	39	90	.1	1
L3400E 2950N	30	96	.1	2
STD C/AU-S	63	132	6.6	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB
L3400E 2900N	56	56	.1	1
L3400E 2850N	29	95	.5	3
L3400E 2800N	20	110	.1	13
L3400E 2750N	31	129	.4	1
L3400E 2700N	33	147	.5	3
L3400E 2650N	40	90	.2	6
L3400E 2600N	39	84	.4	1
L3400E 2550N	38	224	.1	5
L3400E 2500N	33	189	.1	1
L3400E 2450N	36	108	.1	1
L3400E 2400N	23	125	.1	3
L3400E 2350N	21	122	.3	7
L3400E 2300N	36	211	.4	1
L3400E 2250N	33	284	.4	14
L3400E 2200N	40	428	.1	3
L3400E 2150N	24	249	.2	16
L3400E 2100N	19	102	.4	1
L3400E 2050N	22	112	.1	21
L3400E 2000N	19	95	.4	13
B/L 4000N 3400E	20	50	.4	1
STD C/AU-S	57	131	7.0	52

SAMPLE#	Ag PPM	Au** PPB
SWAN-R1	.6	59

6000 N
5800 N
5600 N
5400 N
5200 N
5000 N
4800 N
4600 N
4400 N
4200 N
4000 N
3800 N
3600 N
3400 N
3200 N
3000 N
2800 N
2600 N
2400 N
2200 N
2000 N

1000 E
1200 E
1400 E
1600 E
1800 E
2000 E
2200 E
2400 E
2600 E
2800 E
3000 E
3200 E
3400 E

N

AU PPB AG PPM

AU CONTOUR 15 PPB
AG NOT CONTOURED

VALUES LESS THAN 5 PPB AU NOT PLOTTED
VALUES LESS THAN 0.4 PPM AG NOT PLOTTED

SEE FIGURE 2 FOR GRID LOCATION

FAIRFIELD MINERALS LTD.

SWAN PROPERTY

AU/AG SOIL GEOCHEMISTRY

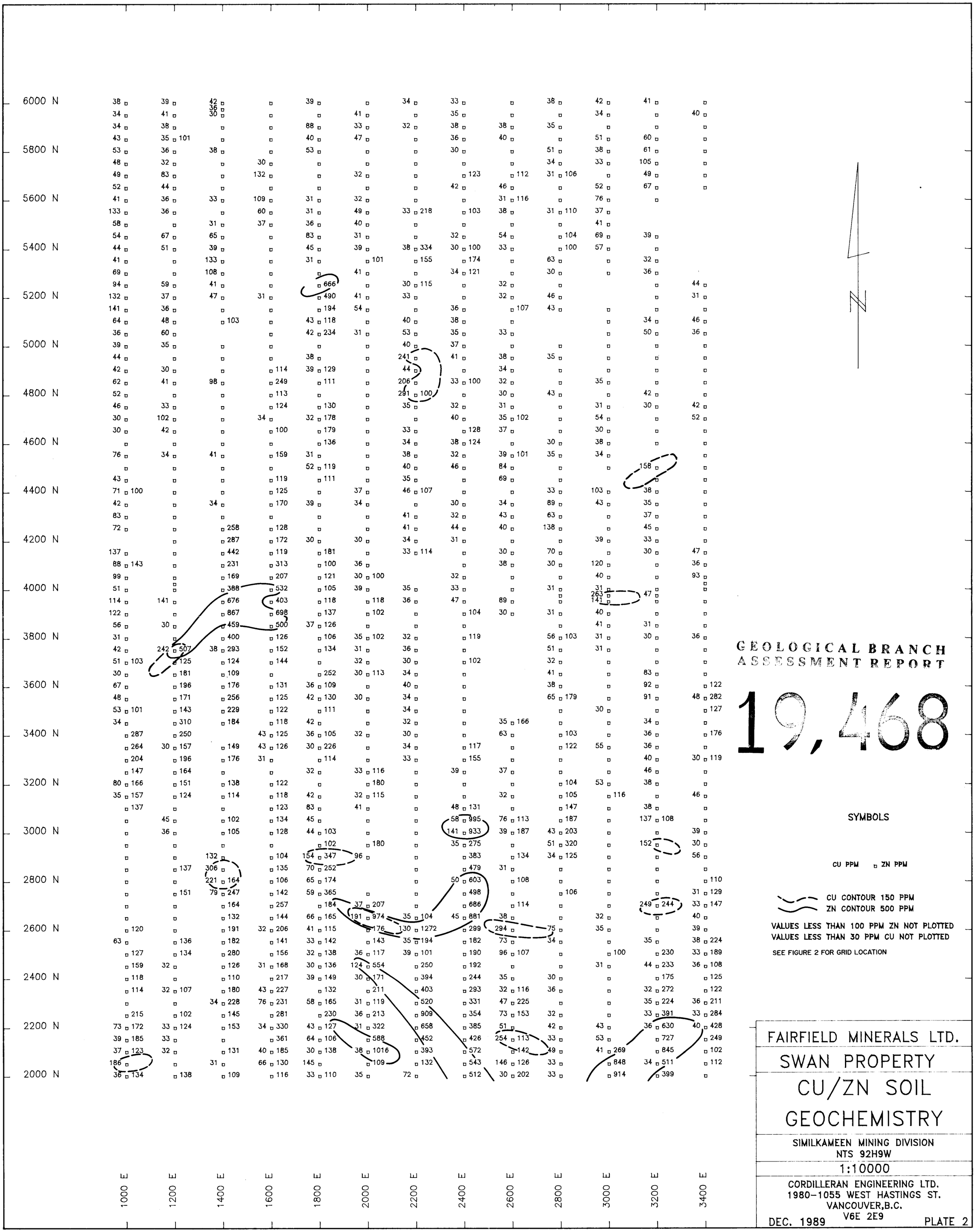
SIMILKAMEEN MINING DIVISION
NTS 92H9W

1:10000

CORDILLERAN ENGINEERING LTD.
1980–1055 WEST HASTINGS ST.
VANCOUVER,B.C.
V6E 2E9

DEC. 1989

PLATE 1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,468

SYMBOLS

CU PPM ▫ ZN PPM

CU CONTOUR 150 PPM
ZN CONTOUR 500 PPM

VALUES LESS THAN 100 PPM ZN NOT PLOTTED
VALUES LESS THAN 30 PPM CU NOT PLOTTED

SEE FIGURE 2 FOR GRID LOCATION

FAIRFIELD MINERALS LTD.

SWAN PROPERTY

CU/ZN SOIL GEOCHEMISTRY

SIMILKAMEEN MINING DIVISION
NTS 92H9W

1:10000

CORDILLERAN ENGINEERING LTD.
1980–1055 WEST HASTINGS ST.
VANCOUVER,B.C.
V6E 2E9

DEC. 1989

PLATE 2