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1 9 9 0 GEOCHEMICAL REPORT
ON THE SWAN 1-5 MINERAL CLAIMS

Similkameen Mining Divisions, B.C.
NTS: 92H-9W Lat.49 deg 39'N; Long.120 deg 27'W

December, 1990 (BC ASSESSMENT REPORT)

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,816

1 9 9 0 G E O C H E M I C A L R E P O R T
O N T H E S W A N 1 - 5 M I N E R A L C L A I M S

Similkameen Mining Divisions, B.C.
Latitude 49 deg 39'N; Longitude 120 deg 27'W.
NTS: 92H-9W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

By

J. R. Cormier, B.Sc.,
Geologist

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

Date Submitted: December, 1990
Field Period: May 15-25/October 26-30, 1990

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PLATES

(in pockets)

Plate 1	Au Soil Geochemistry	<u>Scale</u> 1:10,000
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The Swan Property, located 22 kilometres north of Princeton, BC., comprises five claims (100 units) in the Similkameen Mining Division. The claims, staked during 1989 and 1990 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 overburden.

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.

In the fall of 1989 grid soil samples were collected on the western half of the property and analyzed for gold, silver, copper and zinc.

The 1990 Swan program included claim staking, grid soil sampling of the eastern (Swan 2 and 4) and southern (Swan 5) portions of the property and detailed fill-in sampling around anomalous sites.

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 chalcopryrite, with pyrite and magnetite, are disseminated in strongly fractured and altered volcanic and sub-volcanic rocks.

A total of 1570 soil samples were collected on extensions to the 1989 200m x 50m grid and analyzed for gold.

A total of 942 soil samples were collected from several 50m x 50m fill-in grids surrounding sample sites returning anomalous gold values from both the 1989 and 1990 grids. Samples were analyzed for gold.

Two reconnaissance rock samples taken on the property returned low gold and silver values.

The 200m x 50m grids covering the Swan 2, 4 and 5 claims outlined a sporadic distribution of geochemical anomalies with values up to 170 ppb gold. Follow-up sampling around anomalous sample sites confirmed and extended several anomalous areas, with values up to 410 ppb Au. These zones collectively form an overall north-northwest trend which transects the west central area of the property and is thought to be coincident with the contact between an Upper Jurassic granite batholith to the east and Upper Triassic Nicola group volcanics to the west.

Several gold geochemical anomalies with values of up to 410 ppb Au indicate good potential for the discovery of significant vein deposits on the Swan property. 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, alteration 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

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

The entire property should be geologically mapped and selected areas with strong gold geochemical trends should be prospected and 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.

A handwritten signature in cursive script that reads "John Cormier".

J. R. Cormier, B.Sc.
Geologist

2.0

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

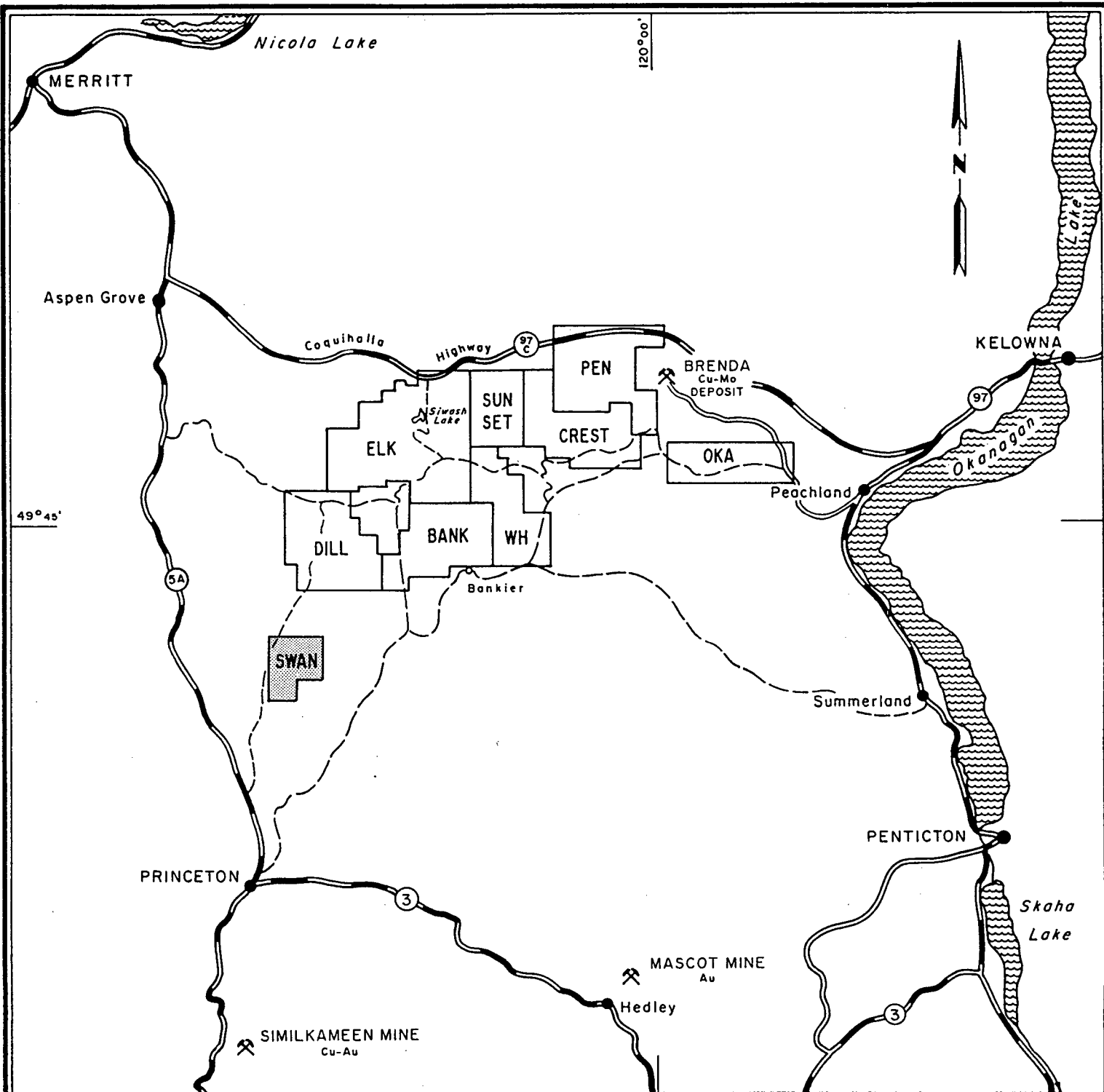
3.1 LOCATION AND PHYSIOGRAPHY (Figure 1)

The Swan property is located 22 kilometres north of Princeton in south-central British Columbia (Figure 1). The property is centered on latitude 49 degrees 39'N and longitude 120 degrees 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.

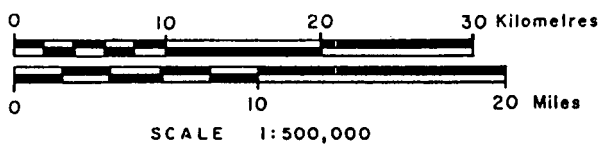
The claims cover an area of 25 square kilometres on a north-south trending ridge between the valleys of Summers Creek and Hayes Creek. Elevations range from 1150 to 1550m above sea level. Swanson Creek transects the property from northeast to southwest and has several small, swampy ponds on the upper section. Rampart Creek, along the western boundary, is a moderate-size drainage 2 to 3m wide. Bedrock exposure varies from very sparse 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 deg. C to +30 deg. C and precipitation is low to moderate. The area is basically snow-free from late May through October.

3.2 CLAIM DATA (Figure 2)

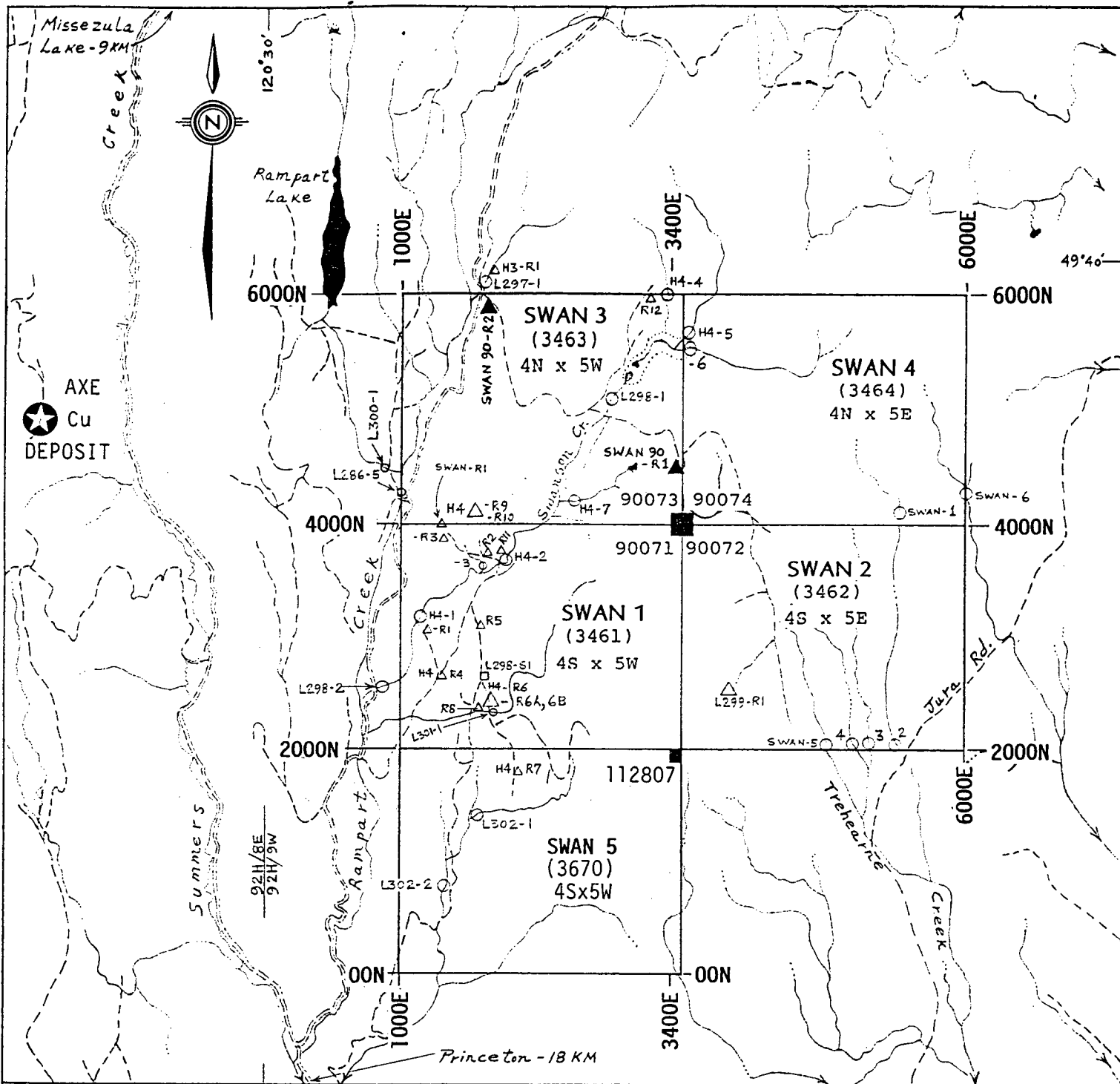
The current status of the Swan claims is indicated in Table 1, and their locations are shown on Figure 2. The claims, located in the Similkameen Mining Division were staked in August, 1989 and May 1990 and are 100 percent owned by Fairfield Minerals Ltd.



FAIRFIELD MINERALS LTD.
PROPERTY LOCATION MAP
 SOUTHERN BRITISH COLUMBIA
 OKANAGAN AREA, NTS 82E/92H



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



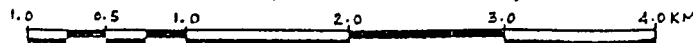
LEGEND

- 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) SWAN 90-R1, R2.....1990

FAIRFIELD MINERALS LTD.

**SWAN PROPERTY
CLAIM, GRID AND
RECONNAISSANCE SAMPLE LOCATIONS**

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



By CORDILLERAN ENGINEERING LTD.
VANCOUVER, B.C.
December, 1990

Figure 2

Table 1: CLAIM STATUS as at December 1, 1990
NTS: 92H/9W Similkameen Mining Division, BC

<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
SWAN 1	20	3461	11 AUG. 1995
SWAN 2	20	3462	13 AUG. 1995 *
SWAN 3	20	3463	12 AUG. 1996 *
SWAN 4	20	3464	14 AUG. 1995 *
SWAN 5	20	3670	18 MAY 1995 *

*Pending acceptance of statement of expenditures

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 strongly 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 the area. A total of 1030 soil samples were collected on a 200m x 50m grid covering the Swan 1 and 3 claims, in late October, 1989.

3.4 1990 EXPLORATION PROGRAM

The 1990 program began with the staking of Swan 5, a 20 unit claim block adjoining the southern boundary of Swan 1. Initial grid line soil sampling (200m x 50m) was done on Swan 2, 4 and 5 claims with subsequent fill-in sampling (50m x 50m) conducted over areas of anomalous gold values on all Swan claim groups (1-5). Minor rock sampling was undertaken on the Swan 3 claim.

4.0

G E O L O G Y

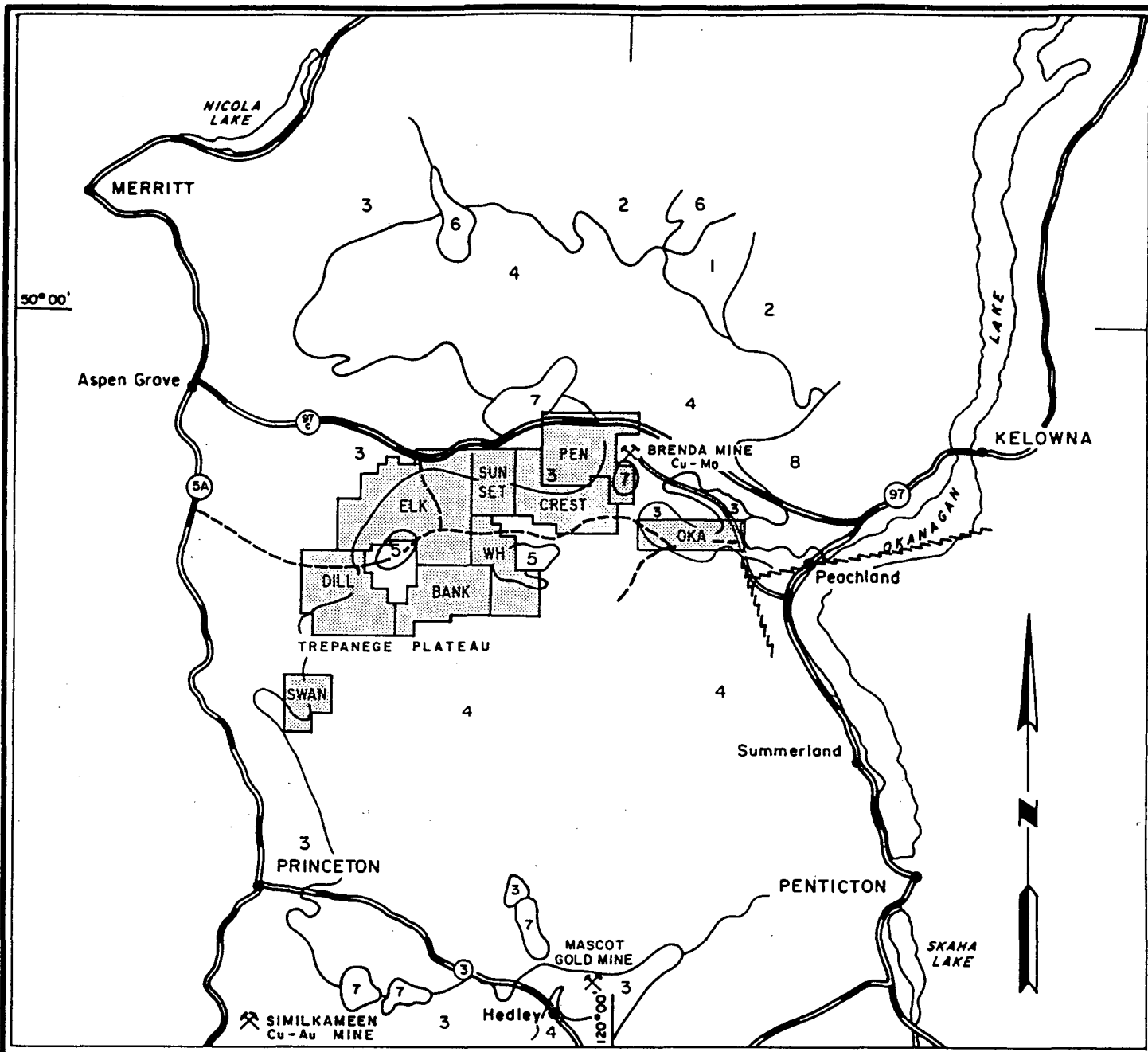
4.1 REGIONAL GEOLOGY (Figure 3)

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.

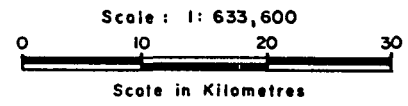
A large fault zone trends north-south along Summers Creek valley 2 km west of the property. Swanson Creek follows a very linear southwest trend which may also be caused by a major structural break. On the Axe property to the west volcanic and intrusive rocks are intensely fractured with variable and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



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	Chaparron Group - schist

FAIRFIELD MINERALS LTD.
 PROPERTY LOCATION
 AND
 REGIONAL GEOLOGY
 ELK, DILL, BANK, WH, SUNSET, PEN,
 CREST, OKA & SWAN PROPERTIES
 THOMPSON-OKANAGAN AREA, B.C.



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

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

5.0

G E O C H E M I S T R Y

5.1 SAMPLING PROCEDURE

A total of 2512 soil samples were collected on the Swan property in 1990. Initial grid sampling (200m x 50m) on Swan 2, 4 and 5 claims yielded 1570 samples. An additional 942 soils were collected from fill-in grids surrounding anomalous 1989 and 1990 sample sites to further define gold trends. East-west claim lines served as baselines. They were measured with a hip chain, marked with pink flagging and 50m intervals marked with grid-numbered, waterproof Tyvek tags and pink and blue flagging. North-south soil lines were established using hip chain and compass, and soils stations at 50m intervals were similarly identified with tags and orange and blue flagging. Subsequently, fill-in line locations were determined from existing 1989 and 1990 initial grid stations. Samples were collected from the "B" horizon with mattocks and placed in Kraft paper bags marked with the appropriate grid coordinates. The samples were sent to Acme Analytical Laboratories Ltd. in Vancouver where they were dried, sieved and the -80 mesh fraction used for gold analysis. The sample was tested for gold by atomic absorption following aqua regia digestion and MIBK extraction from a 10 gram sample.

In addition 2 rock samples were collected on the Swan 3 claim. These samples were pulverized to -100 mesh and tested for gold and silver (from a 20 gm sample) by the same procedure used to analyze the soil samples.

5.2 RESULTS (Plate 1)

The 1990 gold soil geochemical results are plotted on Plate 1. Also shown are the 1989 results (see 1989 Swan Geochemical Assessment Report) which are included for completeness. All 1990 soil and rock sample analytical certificates are listed in Section 10.0.

Increasing symbol sizes on Plate 1 correspond to values ≤ 10 , >10 , >20 , >50 , >100 ppb Au, with values greater than 20 ppb considered to be significant anomalies.

The 1990 200m x 50m grid sampling program covering the Swan 2, 4 and 5 claims identified numerous scattered gold anomalies, with several values greater than 50 ppb Au to a high of 170 ppb Au. Distribution of anomalies was erratic with no obvious trends defined.

The 1990 fill-in sampling which followed up anomalous gold values (>20 ppb Au) from both the 1989 and 1990 soil programs, had some success in defining significant gold trends on the property. The majority of anomalous sample sites tested were not confirmed, however several anomalous zones of varying dimensions were outlined on the west-central part of the property. Within the Swan 3 claim between lines 1500E and 2200E from 4100N to 5400N is a spray of moderately to strongly anomalous values (from 25 to 410 ppb Au) with a north-northwest orientation. Located 400m northwest of this zone are two strongly anomalous soil samples 1200E/5500N (108 ppb Au) and 1250E/5450N (120 ppb Au). Further south, between 3000N and 3550N from lines 1700E to 2200E lies a cluster of anomalous values generated, for the most part, by initial sampling in 1989. Fill-in sampling had limited success in expanding the dimensions of this target. Continuing south, in the west-central part of the property, there are three small zones extending from coordinates 2400E, 2150N to 2100E, 2400N; 2400E, 1450N to 2200E, 1700N and 2700E, 1450N to 2900E, 1600N. Values from these zones range between 20 and 160 ppb Au. And, finally, follow-up sampling around a 27 ppb Au soil result at 2600E, 300N returned a value of 110 ppb Au

Considered individually, these moderate to strong anomalies represent gold trends with dimensions ranging from 200m to 700m in length and 50m to 300m in width. Orientations vary from northwest to northeast. Taken collectively, a distinct regional north-northwest gold trend emerges extending from the middle of the southern boundary of Swan 5 to the northern boundary of Swan 3. This regional geochemical feature coincides roughly with the contact between Upper Jurassic/Middle Cretaceous Coast intrusives and Upper Triassic Nicola Group volcanics. Significantly, a similar geological setting hosts high grade gold veins currently being investigated on the Elk property, 25 km to the northeast.

Two reconnaissance rock samples (SWAN-R1, R2) were collected on the property (Figure 2). SWAN-R1 was made up of selected chips from a large angular granodiorite boulder with sub-parallel massive pyrite stringers up to 1cm thick. SWAN-R2 was taken from angular granodiorite float exhibiting manganese oxide, argillic alteration and silicification with crude "banding" of strongly disseminated pyrite. Low gold and silver values were returned from both samples.

6.0

P E R S O N N E L

Days worked - 1990

PERSONNEL:

J.R.Cormier, Geologist N.Vancouver, BC	May 15-25, Oct 26-29	2 days office 9 days sampling 5 days report preparation
E.A.Balon, Prospector North Vancouver, BC	Oct 26-30	5 days sampling
M. Steiner, Sampler Coquitlam, BC	May 16-25, Oct 26-29	14 days sampling
S.Crawford, Sampler North Vancouver, BC	Oct.26-29	4 days sampling
J.Northrup, Sampler Powell River, BC	May 16-25, Oct. 26-30	15 days sampling
M. Lazaroff, Sampler North Vancouver, BC	May 16-25	10 days sampling
B.Knight, Geologist Sydney, Australia	May 16-25	10 days sampling
C. Ouellette, Sampler Mahone Bay, Nova Scotia	May 16-25	10 days sampling
J.Tindle, Sampler Whistler, BC	Oct 26-29	4 days sampling

7.0

STATEMENT OF EXPENDITURES

Swan Property
Swan 1-5 (100 Units)

PROFESSIONAL, TECHNICAL & GEOL. SERV.	.....	\$10,575.00
SALARIES	.....	6,420.00
BENEFITS	.....	754.42
GEOCHEMICAL ANALYSIS	.....	11,815.35
VEHICLE RENT	.....	514.40
EQUIPMENT & STORAGE RENTAL	.....	140.53
RADIO RENT	.....	211.29
OFFICE SUPPLIES, PRINTING	.....	61.48
TELEPHONE, POSTAGE	.....	192.67
FREIGHT	.....	76.75
LIABILITY INS.	.....	125.08
TRAVEL & ACCOMMODATION	.....	1,706.00
FIELD SUPPLIES	.....	2,111.16
FOOD	.....	1,992.96
VEHICLES (Gasoline)	.....	<u>238.70</u>
TOTAL		<u>\$36,945.39</u>

John Carnier

8.0

R E F E R E N C E S

B.C. MINISTRY OF ENERGY MINES AND PETROLEUM RESOURCES:

Minfile 92H/NE

ROWE, J.D.:

1989 1989 Geochemical (Assessment) Report on the Swan 1-4 Mineral Claims

PRETO, V.A.:

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

RICE, H.M.A.:

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

9.0

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, John R. Cormier, of North Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 666 West Keith Road and employed by Cordilleran Engineering Ltd. of 1980 - 1055 West Hastings Street, Vancouver, B.C. V6E 2E9
2. I have received a B.Sc. degree in Geology from St. Francis Xavier University, Antigonish, N.S., in 1985.
3. I have practiced my profession for five years in Nova Scotia, New Brunswick, Ontario and British Columbia.
4. I am the author of this report and supervisor of the field work conducted on the Swan claims during the period May 17-25 and October 26-30, 1990.

CORDILLERAN ENGINEERING LTD.



John R. Cormier, B.Sc.
Geologist

JRC/z
Vancouver, BC
December, 1990

10.0

A N A L Y T I C A L R E S U L T S

Acme Analytical Laboratories Ltd.

Geochemical Analysis Certificates:

File #90-1566	(Pages 1 to 10))	
		)	1564 soils: Au
File #90-1567	(Pages 1 to 6))	
File #90-5710	(Pages 1 to 11)	)	942 soils: Au
		)	2 rocks: Au, Ag

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

DATE RECEIVED: JUN 4 1990

DATE REPORT MAILED: *June 7/90*

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT SWAN #1 FILE # 90-1566 Page 1
 1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: JOHN CORMIER

SAMPLE#	AU* ppb
1000E 2000N	3
1000E 1950N	2
1000E 1900N	7
1000E 1850N	2
1000E 1800N	3
1000E 1750N	4
1000E 1700N	2
1000E 1650N	1
1000E 1600N	2
1000E 1550N	2
1000E 1500N	2
1000E 1450N	3
1000E 1400N	1
1000E 1350N	1
1000E 1300N	3
1000E 1250N	4
1000E 1200N	16
1000E 1150N	1
1000E 1100N	5
1000E 1050N	15
1000E 1000N	6
1000E 950N	3
1000E 900N	4
1000E 850N	1
1000E 800N	3
1000E 750N	1
1000E 700N	1
1000E 650N	2
1000E 600N	1
1000E 550N	1
1000E 500N	9
1000E 450N	1
1000E 400N	1
1000E 350N	1
1000E 300N	1
1000E 200N	3
STANDARD AU-S	52

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

SAMPLE#	AU* ppb
1000E 150N	3
1000E 100N	2
1000E 50N	3
1000E 0N	3
1100E 0N	2
1200E 2000N	4
1200E 1950N	5
1200E 1900N	4
1200E 1850N	5
1200E 1800N	1
1200E 1750N	6
1200E 1700N	4
1200E 1650N	25
1200E 1600N	1
1200E 1550N	33
1200E 1500N	2
1200E 1450N	2
1200E 1400N	3
1200E 1350N	11
1200E 1300N	2
1200E 1250N	8
1200E 1200N	8
1200E 1150N	1
1200E 1100N	1
1200E 1050N	2
1200E 1000N	1
1200E 950N	5
1200E 900N	2
1200E 850N	3
1200E 800N	1
1200E 750N	4
1200E 700N	4
1200E 650N	30
1200E 600N	5
1200E 550N	4
1200E 500N	37
1200E 450N	2
STANDARD AU-S	54

SAMPLE#	AU* ppb
1200E 400N	3
1200E 350N	6
1200E 300N	3
1200E 250N	1
1200E 200N	2
1200E 150N	1
1200E 100N	3
1200E 50N	2
1300E 1000N	3
1300E 950N	1
1300E 900N	1
1300E 850N	3
1300E 800N	3
1300E 750N	2
1300E 700N	1
1300E 650N	1
1300E 600N	1
1300E 550N	2
1300E 500N	1
1300E 450N	1
1300E 400N	1
1300E 350N	2
1300E 300N	3
1300E 250N	2
1300E 200N	1
1300E 150N	5
1300E 100N	2
1300E 50N	2
1300E 0N	1
1400E 2000N	2
1400E 1950N	1
1400E 1900N	1
1400E 1850N	1
1400E 1800N	4
1400E 1750N	1
1400E 1700N	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
1400E 1650N	5
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1400E 1550N	2
1400E 1500N	3
1400E 1450N	4
1400E 1400N	2
1400E 1350N	2
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1400E 1250N	1
1400E 1200N	1
1400E 1150N	1
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1400E 850N	1
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1400E 200N	1
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1400E 50N	2
1400E 0N	2
1600E 2000N	3
1600E 1950N	3
STANDARD AU-S	48

SAMPLE#	AU* ppb
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1600E 1800N	2
1600E 1750N	1
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1600E 1650N	1
1600E 1600N	4
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1600E 1500N	1
1600E 1450N	4
1600E 1400N	6
1600E 1350N	5
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1600E 1200N	1
1600E 1150N	1
1600E 1100N	1
1600E 1050N	3
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1600E 950N	2
1600E 900N	1
1600E 850N	6
1600E 800N	4
1600E 750N	2
1600E 700N	1
1600E 650N	1
1600E 600N	1
1600E 550N	1
1600E 500N	3
1600E 400N	6
1600E 350N	1
1600E 300N	1
1600E 250N	1
1600E 200N	1
1600E 150N	1
1600E 100N	1
1600E 50N	3
1510E ON	3
STANDARD AU-S	50

SAMPLE#	AU* ppb
1785E ON	2
1800E 2000N	1
1800E 1950N	1
1800E 1900N	1
1800E 1850N	1
1800E 1800N	2
1800E 1750N	1
1800E 1700N	2
1800E 1650N	2
1800E 1600N	1
1800E 1550N	1
1800E 1500N	1
1800E 1450N	1
1800E 1400N	3
1800E 1350N	3
1800E 1300N	1
1800E 1250N	1
1800E 1200N	1
1800E 1150N	5
1800E 1100N	7
1800E 1050N	1
1800E 1000N	1
1800E 950N	4
1800E 900N	1
1800E 850N	3
1800E 800N	14
1800E 750N	3
1800E 700N	11
1800E 650N	2
1800E 600N	1
1800E 550N	5
1800E 500N	5
1800E 450N	1
1800E 400N	1
1800E 350N	3
1800E 300N	1
STANDARD AU-S	54

SAMPLE#	AU* ppb
1800E 250N	6
1800E 200N	1
1800E 150N	6
1800E 100N	4
1800E 50N	1
1800E ON	6
2000E 2000N	3
2000E 1950N	1
2000E 1900N	5
2000E 1850N	7
2000E 1800N	5
2000E 1750N	5
2000E 1700N	6
2000E 1650N	3
2000E 1550N	7
2000E 1500N	5
2000E 1450N	2
2000E 1400N	2
2000E 1350N	4
2000E 1300N	2
2000E 1250N	2
2000E 1200N	5
2000E 1150N	3
2000E 1100N	6
2000E 1050N	3
2000E 1000N	1
2000E 950N	1
2000E 900N	1
2000E 850N	1
2000E 800N	4
2000E 750N	3
2000E 700N	1
2000E 650N	2
2000E 600N	4
2000E 550N	1
2000E 500N	3
STANDARD AU-S	49

SAMPLE#	AU* ppb
2000E 450N	1
2000E 400N	1
2000E 350N	1
2000E 300N	1
2000E 250N	1
2000E 200N	1
2000E 150N	1
2000E 100N	1
2000E 50N	2
2000E 25N	2
2200E 2000N	3
2200E 1950N	4
2200E 1900N	1
2200E 1850N	5
2200E 1800N	2
2200E 1750N	3
2200E 1700N	25
2200E 1650N	10
2200E 1600N	5
2200E 1550N	1
2200E 1500N	11
2200E 1450N	14
2200E 1400N	5
2200E 1350N	8
2200E 1300N	5
2200E 1250N	1
2200E 1200N	1
2200E 1150N	2
2200E 1100N	1
2200E 1050N	13
2200E 1000N	5
2200E 950N	4
2200E 900N	5
2200E 850N	5
2200E 800N	4
2200E 750N	8
2200E 700N	5
STANDARD AU-S	47

SAMPLE#	AU* ppb
2200E 650N	2
2200E 600N	1
2200E 550N	3
2200E 500N	2
2200E 450N	1
2200E 400N	11
2200E 350N	1
2200E 300N	17
2200E 250N	4
2200E 200N	4
2200E 150N	1
2200E 100N	18
2200E 50N	2
2200E 0N	3
2400E 2000N	4
2400E 1950N	2
2400E 1900N	1
2400E 1850N	1
2400E 1800N	1
2400E 1750N	1
2400E 1700N	4
2400E 1650N	2
2400E 1600N	1
2400E 1550N	4
2400E 1500N	4
2400E 1450N	23
2400E 1400N	3
2400E 1350N	1
2400E 1300N	1
2400E 1250N	4
2400E 1200N	2
2400E 1150N	1
2400E 1100N	2
2400E 1050N	4
2400E 950N	2
2400E 900N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
2400E 850N	4
2400E 800N	1
2400E 750N	14
2400E 700N	4
2400E 650N	4
2400E 600N	2
2400E 550N	1
2400E 500N	1
2400E 450N	1
2400E 400N	1
2400E 350N	1
2400E 300N	1
2400E 250N	3
2400E 200N	1
2400E 150N	8
2400E 100N	1
2400E 50N	1
2400E 0N	4
2600E 2000N	1
2600E 1950N	1
2600E 1900N	1
2600E 1850N	1
2600E 1800N	9
2600E 1750N	1
2600E 1700N	1
2600E 1650N	1
2600E 1600N	3
2600E 1550N	1
2600E 1500N	1
2600E 1450N	3
2600E 1400N	2
2600E 1350N	2
2600E 1300N	1
2600E 1250N	1
2600E 1200N	1
2600E 1150N	1
STANDARD AU-S	55

SAMPLE#	AU* ppb
2600E 1100N	7
2600E 1050N	1
2600E 1000N	2
2600E 950N	4
2600E 900N	12
2600E 850N	1
2600E 800N	4
2600E 750N	7
2600E 700N	5
2600E 650N	4
2600E 600N	3
2600E 550N	4
2600E 500N	1
2600E 450N	1
2600E 400N	11
2600E 350N	3
2600E 300N	27
2600E 250N	5
2595E 35S	2
2800E 2000N	6
2800E 1950N	5
2800E 1900N	10
2800E 1850N	1
2800E 1800N	9
2800E 1750N	3
2800E 1700N	4
2800E 1650N	1
2800E 1600N	5
2800E 1550N	25
2800E 1500N	20
2800E 1450N	5
2800E 1400N	1
2800E 1350N	7
2800E 1300N	6
2800E 1250N	8
2800E 1200N	2
2800E 1150N	7
STANDARD AU-S	48

SAMPLE#	AU* ppb
2800E 1100N	2
2800E 1050N	1
2800E 1000N	4
2800E 950N	5
2800E 900N	7
2800E 850N	2
2800E 800N	7
2800E 750N	5
2800E 700N	1
2800E 650N	5
2800E 600N	6
2800E 550N	3
2800E 500N	3
2800E 450N	1
2800E 400N	11
2800E 350N	2
2800E 300N	5
2800E 250N	2
2800E 200N	1
2800E 150N	1
2800E 100N	1
2800E 50N	6
2800E 25N	4
2800E 0N	5
3000E 2000N	2
3000E 1950N	1
3000E 1900N	7
3000E 1850N	2
3000E 1800N	4
3000E 1750N	7
3000E 1700N	2
3000E 1650N	7
3000E 1600N	1
3000E 1550N	4
3000E 1500N	7
3000E 1450N	5
STANDARD AU-S	53

SAMPLE#	AU* ppb
3000E 1400N	2
3000E 1350N	2
3000E 1300N	1
3000E 1250N	1
3000E 1200N	4
3000E 1150N	1
3000E 1100N	4
3000E 1050N	1
3000E 1000N	1
3000E 950N	1
3000E 900N	1
3000E 850N	1
3000E 800N	2
3000E 750N	1
3000E 700N	2
3000E 650N	6
3000E 600N	6
3000E 550N	3
3000E 500N	6
3000E 450N	4
3000E 400N	3
3000E 350N	5
3000E 300N	3
3000E 250N	1
3000E 150N	1
3000E 100N	3
3000E 50N	3
3086E 0N	1
3200E 2000N	4
3200E 1950N	1
3200E 1900N	5
3200E 1850N	3
3200E 1800N	5
3200E 1750N	1
3200E 1700N	5
3200E 1650N	4
STANDARD AU-S	49

SAMPLE#	AU* ppb
3200E 1600N	2
3200E 1550N	1
3200E 1500N	1
3200E 1450N	1
3200E 1400N	2
3200E 1350N	4
3200E 1300N	1
3200E 1250N	1
3200E 1200N	2
3200E 1150N	1
3200E 1100N	5
3200E 1050N	6
3200E 1000N	3
3200E 950N	5
3200E 900N	1
3200E 850N	1
3200E 800N	1
3200E 750N	1
3200E 700N	4
3200E 650N	1
3200E 600N	1
3200E 550N	1
3200E 500N	4
3200E 450N	1
3200E 400N	4
3200E 350N	2
3200E 300N	6
3200E 250N	9
3200E 200N	5
3200E 150N	1
3200E 100N	1
3200E 50N	4
3200E 0N	5
3400E 2000N	8
3400E 1950N	4
3400E 1900N	6
STANDARD AU-S	54

SAMPLE#	AU* ppb
3600E 5800N	6
3600E 5750N	1
3600E 5700N	2
3600E 5650N	7
3600E 5600N	12
3600E 5550N	4
3600E 5500N	3
3600E 5450N	5
3600E 5400N	4
3600E 5350N	51
3600E 5300N	1
3600E 5250N	8
3600E 5200N	5
3600E 5150N	3
3600E 5100N	4
3600E 5050N	5
3600E 5000N	4
3600E 4950N	1
3600E 4900N	1
3600E 4850N	3
3600E 4800N	2
3600E 4750N	1
3600E 4700N	2
3600E 4650N	2
3600E 4600N	4
3600E 4550N	1
3600E 4500N	1
3600E 4450N	3
3600E 4400N	2
3600E 4350N	5
3600E 4300N	2
3600E 4250N	2
3600E 4200N	5
3600E 4150N	1
3600E 4100N	3
3600E 4050N	5
STANDARD AU-S	47

SAMPLE#	AU* ppb
6000E 5150N	1
6000E 5100N	1
6000E 5050N	6
6000E 5000N	1
6000E 4950N	5
6000E 4900N	1
6000E 4850N	3
6000E 4800N	1
6000E 4750N	1
6000E 4700N	1
6000E 4650N	3
6000E 4600N	1
6000E 4550N	1
6000E 4500N	1
6000E 4450N	6
6000E 4400N	5
6000E 4350N	13
6000E 4300N	1
6000E 4250N	1
6000E 4200N	6
6000E 4150N	5
6000E 4100N	2
6000E 4050N	3
6000E 4000N	3
6000E 3950N	1
6000E 3900N	22
6000E 3850N	1
6000E 3800N	1
6000E 3750N	7
6000E 3700N	3
6000E 3650N	1
6000E 3600N	25
6000E 3570N	3
6000E 3550N	1
6000E 3500N	1
6000E 3450N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
3600E 4000N	3
3600E 4000N A	7
3600E 3950N	3
3600E 3900N	1
3600E 3850N	4
3600E 3800N	1
3600E 3750N	3
3600E 3700N	4
3600E 3650N	4
3600E 3600N	5
3600E 3550N	3
3600E 3500N	2
3600E 3450N	3
3600E 3400N	1
3600E 3350N	3
3600E 3300N	1
3600E 3250N	3
3600E 3200N	15
3600E 3150N	12
3600E 3100N	3
3600E 3050N	2
3600E 3000N	6
3600E 2950N	3
3600E 2900N	19
3600E 2850N	2
3600E 2800N	6
3600E 2750N	1
3600E 2700N	7
3600E 2650N	103
3600E 2600N	1
3600E 2550N	2
3600E 2500N	2
3600E 2450N	4
3600E 2400N	4
3600E 2350N	5
3600E 2300N	2
STANDARD AU-S	52

SAMPLE#	AU* ppb
3600E 2250N	8
3600E 2200N	10
3600E 2150N	8
3600E 2050N	5
3600E 2040N	5
3600E 2030N	6
3737E 6000N	4
3800E 5950N	3
3800E 5900N	5
3800E 5850N	2
3800E 5800N	5
3800E 5750N	6
3800E 5700N	5
3800E 5650N	3
3800E 5600N	4
3800E 5550N	1
3800E 5500N	1
3800E 5450N	4
3800E 5400N	18
3800E 5350N	5
3800E 5300N	4
3800E 5250N	2
3800E 5200N	6
3800E 5150N	2
3800E 5100N	4
3800E 5050N	4
3800E 5000N	3
3800E 4950N	2
3800E 4900N	5
3800E 4850N	3
3800E 4800N	4
3800E 4750N	1
3800E 4700N	5
3800E 4650N	4
3800E 4600N	2
3800E 4550N	4
STANDARD AU-S	48

SAMPLE#	AU* ppb
3800E 4500N	3
3800E 4450N	4
3800E 4400N	5
3800E 4350N	3
3800E 4300N	4
3800E 4250N	5
3800E 4200N	17
3800E 4150N	4
3800E 4100N	7
3800E 3950N	15
3800E 3900N	5
3800E 3850N	2
3800E 3800N	4
3800E 3750N	2
3800E 3700N	5
3800E 3650N	3
3800E 3600N	2
3800E 3550N	3
3800E 3500N	2
3800E 3450N	1
3800E 3400N	4
3800E 3350N	4
3800E 3300N	2
3800E 3250N	1
3800E 3200N	2
3800E 3150N	3
3800E 3100N	4
3800E 3050N	3
3800E 3000N	3
3800E 2950N	5
3800E 2900N	3
3800E 2850N	2
3800E 2800N	3
3800E 2750N	3
3800E 2700N	4
3800E 2650N	3
STANDARD AU-S	46

SAMPLE#	AU* ppb
3800E 2600N	4
3800E 2550N	2
3800E 2500N	3
3800E 2450N	3
3800E 2400N	2
3800E 2350N	5
3800E 2300N	2
3800E 2250N	2
3800E 2200N	3
3800E 2150N	6
3800E 2100N	4
3800E 2050N	2
3816E 2000N	4
4000E 6000N	3
4000E 5950N	14
4000E 5900N	3
4000E 5850N	3
4000E 5800N	3
4000E 5750N	6
4000E 5700N	3
4000E 5650N	3
4000E 5600N	4
4000E 5550N	4
4000E 5500N	3
4000E 5450N	5
4000E 5400N	2
4000E 5350N	2
4000E 5250N	7
4000E 5200N	5
4000E 5150N	5
4000E 5100N	3
4000E 5050N	5
4000E 5000N	4
4000E 4950N	2
4000E 4900N	2
4000E 4850N	3
STANDARD AU-S	54

SAMPLE#	AU* ppb
4000E 4800N	6
4000E 4750N	8
4000E 4700N	6
4000E 4650N	6
4000E 4600N	1
4000E 4550N	9
4000E 4500N	1
4000E 4450N	8
4000E 4400N	1
4000E 4350N	4
4000E 4300N	2
4000E 4250N	1
4000E 4200N	1
4000E 4150N	5
4000E 4100N	5
4000E 4050N	2
4000E 4000N	1
4000E 3950N	3
4000E 3900N	1
4000E 3850N	2
4000E 3800N	1
4000E 3750N	25
4000E 3700N	3
4000E 3650N	1
4000E 3600N	6
4000E 3550N	8
4000E 3500N	1
4000E 3450N	5
4000E 3400N	1
4000E 3350N	2
4000E 3300N	4
4000E 3250N	1
4000E 3200N	6
4000E 3150N	1
4000E 3100N	7
4000E 3050N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
4000E 3000N	2
4000E 2950N	1
4000E 2900N	1
4000E 2850N	1
4000E 2800N	5
4000E 2750N	1
4000E 2700N	1
4000E 2650N	1
4000E 2600N	3
4000E 2550N	1
4000E 2500N	1
4000E 2450N	3
4000E 2400N	1
4000E 2350N	1
4000E 2300N	3
4000E 2250N	1
4000E 2200N	1
4000E 2150N	1
4000E 2100N	2
4000E 2050N	1
4000E 2040N	1
4068E 2000N	1
4100E 4000N	1
4200E 6000N	3
4200E 5950N	2
4200E 5900N	1
4200E 5850N	1
4200E 5800N	2
4200E 5750N	4
4200E 5700N	1
4200E 5650N	6
4200E 5600N	2
4200E 5550N	1
4200E 5500N	1
4200E 5450N	1
4200E 5400N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
4200E 5350N	2
4200E 5250N	1
4200E 5200N	1
4200E 5150N	1
4200E 5100N	1
4200E 5050N	1
4200E 5000N	1
4200E 4950N	1
4200E 4900N	1
4200E 4850N	1
4200E 4800N	2
4200E 4750N	1
4200E 4700N	1
4200E 4650N	1
4200E 4500N	1
4200E 4450N	120
4200E 4400N	6
4200E 4350N	1
4200E 4300N	7
4200E 4000N	1
4200E 3950N	1
4200E 3900N	8
4200E 3850N	2
4200E 3800N	1
4200E 3750N	1
4200E 3700N	1
4200E 3650N	2
4200E 3600N	1
4200E 3550N	3
4200E 3500N	1
4200E 3450N	3
4200E 3400N	1
4200E 3350N	1
4200E 3300N	1
4200E 3250N	2
4200E 3200N	3
STANDARD AU-S	52

SAMPLE#	AU* ppb
4200E 3150N	3
4200E 3100N	2
4200E 3050N	1
4200E 3000N	1
4200E 2950N	1
4200E 2900N	2
4200E 2850N	2
4200E 2800N	3
4200E 2750N	1
4200E 2700N	3
4200E 2650N	1
4200E 2600N	1
4200E 2550N	1
4200E 2500N	5
4200E 2450N	3
4200E 2400N	4
4200E 2350N	12
4200E 2300N	1
4200E 2250N	5
4200E 2200N	67
4200E 2150N	10
4200E 2100N	2
4200E 2050N	1
4200E 2000N	3
4400E 6000N	2
4400E 5900N	1
4400E 5850N	1
4400E 5800N	1
4400E 5750N	1
4400E 5700N	1
4400E 5650N	1
4400E 5600N	3
4400E 5550N	3
4400E 5500N	1
4400E 5450N	2
4400E 5400N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
4400E 5350N	4
4400E 5300N	1
4400E 5200N	1
4400E 5150N	1
4400E 5100N	2
4400E 5050N	6
4400E 5000N	2
4400E 4950N	1
4400E 4900N	3
4400E 4850N	2
4400E 4800N	3
4400E 4750N	1
4400E 4700N	5
4400E 4650N	3
4400E 4600N	1
4400E 4550N	1
4400E 4500N	19
4400E 4450N	4
4400E 4400N	1
4400E 4350N	1
4400E 4300N	5
4400E 4250N	5
4400E 4200N	3
4400E 4150N	1
4400E 4100N	1
4400E 4050N	3
4400E 4000N	1
4500E 6000N	6
4500E 5950N	1
4500E 5850N	4
4500E 5800N	4
4500E 5700N	5
4500E 5650N	7
4500E 5600N	2
4500E 5550N	3
4500E 5500N	4
STANDARD AU-S	53

SAMPLE#	AU* ppb
4500E 5450N	1
4500E 5400N	1
4500E 5350N	4
4500E 5300N	1
4500E 5250N	1
4500E 5200N	3
4500E 5150N	1
4500E 5100N	1
4500E 5050N	1
4500E 5000N	1
4600E 6000N	1
4600E 5950N	3
4600E 5900N	1
4600E 5850N	1
4600E 5800N	4
4600E 5750N	1
4600E 5700N	3
4600E 5650N	1
4600E 5600N	4
4600E 5550N	1
4600E 5500N	1
4600E 5450N	1
4600E 5400N	1
4600E 5350N	1
4600E 5300N	1
4600E 5250N	4
4600E 5200N	4
4600E 5150N	1
4600E 5100N	2
4600E 5050N	1
4600E 5000N	3
4600E 4950N	11
4600E 4900N	1
4600E 4850N	2
4600E 4800N	5
4600E 4750N	1
STANDARD AU-S	51

SAMPLE#	AU* ppb
4600E 4700N	3
4600E 4650N	1
4600E 4600N	1
4600E 4550N	2
4600E 4500N	4
4600E 4450N	3
4600E 4400N	5
4600E 4350N	1
4600E 4300N	1
4600E 4250N	2
4600E 4200N	1
4600E 4150N	8
4600E 4100N	1
4600E 4050N	2
4600E 4000N	1
4600E 3950N	1
4600E 3900N	1
4600E 3850N	4
4600E 3800N	1
4600E 3750N	1
4600E 3700N	3
4600E 3650N	2
4600E 3600N	5
4600E 3550N	3
4600E 3500N	1
4600E 3450N	1
4600E 3400N	1
4600E 3350N	1
4600E 3300N	1
4600E 3250N	1
4600E 3200N	1
4600E 3150N	1
4600E 3100N	3
4600E 3050N	1
4600E 3000N	2
4600E 2950N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
4600E 2900N	6
4600E 2850N	150
4600E 2800N	7
4600E 2750N	4
4600E 2700N	5
4600E 2650N	7
4600E 2600N	1
4600E 2550N	1
4600E 2500N	1
4600E 2450N	1
4600E 2400N	1
4600E 2350N	2
4600E 2300N	1
4600E 2250N	1
4600E 2200N	3
4600E 2150N	1
4600E 2100N	1
4600E 2050N	1
4600E 2025N	1
4600E(A) 5000N	11
4600E(A) 4950N	2
4600E(A) 4900N	3
4600E(A) 4850N	5
4600E(A) 4800N	1
4600E(A) 4750N	5
4600E(A) 4700N	3
4600E(A) 4650N	4
4600E(A) 4600N	1
4600E(A) 4550N	4
4600E(A) 4500N	3
4600E(A) 4450N	4
4600E(A) 4400N	5
4600E(A) 4350N	1
4600E(A) 4300N	1
4600E(A) 4250N	2
4600E(A) 4200N	2
STANDARD AU-S	55

SAMPLE#	AU* ppb
4600E(A) 4150N	1
4600E(A) 4100N	2
4600E(A) 4050N	1
4600E(A) 4000N	1
4675E 6000N	3
4755E 4000N	1
4765E 2000N	2
1600E 1900N	1

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GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT SWAN #1 FILE # 90-1567 Page 1
1980 - 1055 W. Hastings St., Vancouver BC V6E 2E9 Attn: JOHN CORMIER

SAMPLE#	AU* ppb
4400E 4000N	3
4400E 3950N	4
4400E 3900N	10
4400E 3850N	1
4400E 3800N	3
4400E 3750N	6
4400E 3700N	4
4400E 3650N	1
4400E 3600N	1
4400E 3550N	2
4400E 3500N	1
4400E 3450N	1
4400E 3400N	4
4400E 3350N	5
4400E 3300N	2
4400E 3250N	3
4400E 3200N	2
4400E 3150N	2
4400E 3100N	2
4400E 3050N	4
4400E 3000N	6
4400E 2950N	11
4400E 2900N	17
4400E 2850N	5
4400E 2800N	2
4400E 2750N	5
4400E 2700N	5
4400E 2650N	2
4400E 2600N	1
4400E 2550N	7
4400E 2500N	3
4400E 2450N	5
4400E 2400N	7
4400E 2350N	1
4400E 2300N	6
4400E 2250N	2
STANDARD AU-S	52

- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

SAMPLE#	AU* ppb
4400E 2200N	4
4400E 2150N	13
4400E 2100N	3
4400E 2050N	3
4400E 2020N	4
4800E 5950N	2
4800E 5900N	1
4800E 5850N	1
4800E 5800N	1
4800E 5750N	2
4800E 5700N	1
4800E 5650N	1
4800E 5600N	1
4800E 5550N	1
4800E 5500N	1
4800E 5450N	1
4800E 5400N	2
4800E 5350N	1
4800E 5300N	2
4800E 5250N	4
4800E 5200N	1
4800E 5150N	2
4800E 5100N	1
4800E 5050N	1
4800E 5000N	2
4800E 4950N	2
4800E 4900N	6
4800E 4850N	1
4800E 4800N	1
4800E 4750N	2
4800E 4700N	1
4800E 4650N	1
4800E 4600N	1
4800E 4550N	2
4800E 4500N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
4800E 4450N	1
4800E 4400N	24
4800E 4350N	2
4800E 4300N	1
4800E 4250N	5
4800E 4200N	4
4800E 4150N	6
4800E 4100N	3
4800E 4050N	9
4800E 4000N	3
4800E 4000N A	5
4800E 3950N	1
4800E 3900N	6
4800E 3850N	1
4800E 3750N	1
4800E 3700N	1
4800E 3650N	1
4800E 3600N	3
4800E 3550N	5
4800E 3500N	1
4800E 3450N	1
4800E 3400N	1
4800E 3350N	3
4800E 3300N	5
4800E 3250N	7
4800E 3200N	5
4800E 3150N	3
4800E 3100N	1
4800E 3050N	19
4800E 3000N	4
4800E 2950N	5
4800E 2900N	16
4800E 2850N	1
4800E 2800N	2
4800E 2750N	5
4800E 2700N	170
STANDARD AU-S	53

SAMPLE#	AU* ppb
4800E 2650N	2
4800E 2600N	4
4800E 2550N	4
4800E 2500N	1
4800E 2450N	25
4800E 2400N	3
4800E 2350N	6
4800E 2300N	6
4800E 2250N	10
4800E 2200N	3
4800E 2150N	11
4800E 2100N	1
4800E 2050N	5
4800E 2000N	4
4800E(A) 6000N	5
4800E(A) 5950N	3
4800E(A) 5900N	1
4800E(A) 5850N	3
4800E(A) 5800N	1
4800E(A) 5750N	3
4800E(A) 5700N	3
5000E 6000N	1
5000E 5960N	3
5000E 5950N	1
5000E 5900N	6
5000E 5850N	5
5000E 5800N	3
5000E 5750N	2
5000E 5700N	3
5000E 5650N	5
5000E 5600N	2
5000E 5550N	4
5000E 5500N	3
5000E 5450N	3
5000E 5400N	4
5000E 5350N	1
5000E 5300N	2
STANDARD AU-S	49

SAMPLE#	AU* ppb
5000E 5250N	4
5000E 5200N	2
5000E 5150N	3
5000E 5100N	8
5000E 5050N	2
5000E 5000N	3
5000E 4950N	1
5000E 4900N	1
5000E 4850N	4
5000E 4800N	2
5000E 4750N	2
5000E 4700N	1
5000E 4650N	3
5000E 4600N	1
5000E 4550N	2
5000E 4500N	1
5000E 4450N	3
5000E 4400N	1
5000E 4350N	2
5000E 4300N	1
5000E 4250N	3
5000E 4200N	2
5000E 4150N	1
5000E 4100N	1
5000E 4050N	1
5000E 4000N	6
5000E 3950N	1
5000E 3900N	2
5000E 3850N	1
5000E 3800N	1
5000E 3750N	1
5000E 3700N	1
5000E 3650N	1
5000E 3600N	1
5000E 3500N	3
STANDARD AU-S	54

SAMPLE#	AU* ppb
5000E 3450N	1
5000E 3400N	3
5000E 3350N	1
5000E 3300N	1
5000E 3250N	1
5000E 3200N	1
5000E 3150N	2
5000E 3100N	1
5000E 3050N	3
5000E 3000N	2
5000E 2950N	2
5000E 2900N	1
5000E 2850N	4
5000E 2800N	2
5000E 2750N	4
5000E 2700N	4
5000E 2650N	3
5000E 2600N	7
5000E 2550N	2
5000E 2400N	1
5000E 2350N	1
5000E 2300N	2
5000E 2250N	8
5000E 2200N	1
5000E 2150N	1
5000E 2100N	3
5000E 2050N	2
5000E 2000N	4
5200E 5975N	7
5200E 5950N	3
5200E 5900N	1
5200E 5850N	1
5200E 5800N	2
5200E 5750N	5
5200E 5700N	2
5200E 5650N	3
5200E 5600N	1
STANDARD AU-S	50

SAMPLE#	AU* ppb
5200E 5550N	4
5200E 5500N	1
5200E 5450N	1
5200E 5400N	4
5200E 5350N	1
5200E 5300N	2
5200E 5250N	1
5200E 5200N	1
5200E 5150N	1
5200E 5100N	2
5200E 5050N	2
5200E 5000N	6
5200E 4950N	4
5200E 4900N	1
5200E 4850N	5
5200E 4800N	5
5200E 4750N	1
5200E 4700N	2
5200E 4650N	1
5200E 4600N	3
5200E 4550N	4
5200E 4500N	3
5200E 4450N	1
5200E 4400N	1
5200E 4350N	3
5200E 4300N	4
5200E 4250N	2
5200E 4200N	4
5200E 4150N	2
5200E 4100N	3
5200E 4050N	2
5200E 4000N	3
5200E 3950N	5
5200E 3900N	1
5200E 3850N	3
5200E 3800N	3
STANDARD AU-S	47

SAMPLE#	AU* ppb
5200E 3750N	3
5200E 3700N	1
5200E 3650N	2
5200E 3600N	4
5200E 3550N	2
5200E 3500N	3
5200E 3450N	4
5200E 3400N	1
5200E 3350N	2
5200E 3300N	1
5200E 3250N	3
5200E 3200N	4
5200E 3150N	2
5200E 3100N	2
5200E 3050N	3
5200E 3000N	4
5200E 2950N	3
5200E 2900N	1
5200E 2850N	3
5200E 2800N	2
5200E 2750N	1
5200E 2700N	10
5200E 2650N	13
5200E 2600N	2
5200E 2450N	8
5200E 2300N	1
5200E 2150N	1
5200E 2050N	1
5247E 6000N	2
5300E 2000N	3
5400E 5950N	1
5400E 5900N	6
5400E 5850N	9
5400E 5800N	1
5400E 5750N	14
5400E 5700N	3
STANDARD AU-S	54

SAMPLE#	AU* ppb
5400E 5650N	10
5400E 5600N	1
5400E 5550N	5
5400E 5500N	4
5400E 5450N	2
5400E 5400N	6
5400E 5350N	1
5400E 5300N	1
5400E 5250N	2
5400E 5200N	4
5400E 5150N	1
5400E 5100N	1
5400E 5050N	21
5400E 5000N	1
5400E 4950N	2
5400E 4900N	4
5400E 4850N	2
5400E 4800N	5
5400E 4750N	4
5400E 4700N	2
5400E 4650N	1
5400E 4600N	1
5400E 4550N	1
5400E 4500N	2
5400E 4450N	3
5400E 4400N	3
5400E 4350N	2
5400E 4300N	10
5400E 4200N	1
5400E 4150N	1
5400E 4100N	4
5400E 4050N	4
5400E 4000N	2
5400E 4000N A	1
5400E 3950N	3
5400E 3900N	2
5400E 3850N	9
STANDARD AU-S	49

SAMPLE#	AU* ppb
5400E 3800N	3
5400E 3750N	7
5400E 3700N	4
5400E 3650N	3
5400E 3600N	1
5400E 3550N	2
5400E 3500N	2
5400E 3450N	3
5400E 3400N	1
5400E 3350N	2
5400E 3300N	2
5400E 3250N	97
5400E 3200N	21
5400E 3150N	2
5400E 3100N	2
5400E 3050N	3
5400E 3000N	3
5400E 2950N	3
5400E 2900N	2
5400E 2850N	1
5400E 2800N	5
5400E 2750N	2
5400E 2700N	1
5400E 2650N	1
5400E 2600N	4
5400E 2550N	1
5400E 2500N	3
5400E 2450N	3
5400E 2400N	2
5400E 2350N	5
5400E 2300N	3
5400E 2250N	2
5400E 2200N	2
5478E 6000N	4
5550E 5975N	4
5550E 5950N	3
STANDARD AU-S	49

SAMPLE#	AU* ppb
5550E 5900N	4
5550E 5850N	4
5550E 5800N	1
5550E 5750N	6
5550E 5700N	1
5550E 5650N	7
5550E 5600N	1
5550E 5550N	3
5550E 5500N	8
5550E 5450N	2
5550E 5400N	12
5550E 5350N	4
5550E 5300N	1
5550E 5250N	2
5550E 5200N	1
5550E 5150N	7
5550E 5100N	6
5550E 5050N	5
5550E 5000N	21
5550E 4950N	3
5550E 4900N	1
5550E 4850N	5
5550E 4800N	5
5550E 4750N	3
5550E 4700N	3
5550E 4650N	9
5550E 4600N	1
5550E 4550N	4
5550E 4500N	4
5550E 4450N	6
5550E 4400N	5
5550E 4350N	1
5550E 4250N	3
5550E 4200N	1
5550E 4150N	3
5550E 4100N	3
STANDARD AU-S	48

SAMPLE#	AU* ppb
5550E 4050N	8
5550E 4000N	2
5600E 4250N	3
5600E 4200N	2
5600E 4150N	1
5600E 4100N	5
5600E 4050N	3
5600E 4000N	6
5600E 4000N A	4
5600E 3950N	1
5600E 3900N	1
5600E 3850N	5
5600E 3800N	5
5600E 3750N	2
5600E 3700N	4
5600E 3650N	1
5600E 3600N	4
5600E 3550N	3
5600E 3500N	2
5600E 3450N	3
5600E 3400N	1
5600E 3350N	2
5600E 3300N	2
5600E 3250N	2
5600E 3200N	3
5600E 3150N	4
5600E 3100N	2
5600E 3050N	3
5600E 3000N	2
5600E 2950N	1
5600E 2900N	3
5600E 2850N	1
5600E 2800N	1
5600E 2750N	5
5600E 2700N	1
5600E 2650N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
5600E 2600N	1
5600E 2550N	1
5600E 2500N	1
5600E 2450N	1
5600E 2400N	2
5600E 2350N	1
5600E 2300N	1
5600E 2250N	7
5600E 2200N	2
5600E 2150N	4
5600E 2100N	3
5600E 2050N	2
5678E 6000N	1
5720E 2000N	1
5761E 6000N	1
5800E 5975N	4
5800E 5950N	3
5800E 5900N	2
5800E 5850N	2
5800E 5800N	1
5800E 5750N	2
5800E 5700N	2
5800E 5650N	1
5800E 5600N	3
5800E 5500N	2
5800E 5450N	1
5800E 5400N	4
5800E 5350N	3
5800E 5300N	1
5800E 5250N	3
5800E 5200N	6
5800E 5150N	3
5800E 5100N	32
5800E 5000N	1
5800E 4950N	3
5800E 4900N	2
STANDARD AU-S	52

SAMPLE#	AU* ppb
5800E 4850N	3
5800E 4800N	3
5800E 4750N	4
5800E 4700N	1
5800E 4650N	1
5800E 4600N	1
5800E 4550N	7
5800E 4500N	2
5800E 4450N	2
5800E 4400N	2
5800E 4350N	2
5800E 4300N	4
5800E 4250N	1
5800E 4200N	3
5800E 4150N	12
5800E 4100N	2
5800E 4050N	2
5800E 4000N	2
5990E 2000N	2
6000E 5975N	1
6000E 5950N	1
6000E 5900N	1
6000E 5850N	2
6000E 5800N	2
6000E 5750N	1
6000E 5700N	4
6000E 5650N	4
6000E 5600N	4
6000E 5550N	4
6000E 5500N	2
6000E 5450N	2
6000E 5400N	3
6000E 5350N	1
6000E 5300N	3
6000E 5250N	1
6000E 5200N	6
STANDARD AU-S	54

SAMPLE#	AU* ppb
6000E 5150E	1
6000E 5100E	1
6000E 5050E	6
6000E 5000E	1
6000E 4950E	5
6000E 4900E	1
6000E 4850E	3
6000E 4800E	1
6000E 4750E	1
6000E 4700E	1
6000E 4650E	3
6000E 4600E	1
6000E 4550E	1
6000E 4500E	1
6000E 4450E	6
6000E 4400E	5
6000E 4350E	13
6000E 4300E	1
6000E 4250E	1
6000E 4200E	6
6000E 4150E	5
6000E 4100E	2
6000E 4050E	3
6000E 4000E	3
6000E 3950E	1
6000E 3900E	22
6000E 3850E	1
6000E 3800E	1
6000E 3750E	7
6000E 3700E	3
6000E 3650E	1
6000E 3600E	25
6000E 3570E	3
6000E 3550E	1
6000E 3500E	1
6000E 3450E	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
6000E 3400N	4
6000E 3350N	1
6000E 3300N	2
6000E 3250N	1
6000E 3200N	1
6000E 3150N	1
6000E 3100N	1
6000E 3050N	1
6000E 3000N	1
6000E 2900N	2
6000E 2850N	1
6000E 2800N	1
6000E 2750N	2
6000E 2700N	2
6000E 2650N	2
6000E 2500N	1
6000E 2450N	2
6000E 2400N	5
6000E 2350N	2
6000E 2300N	1
6000E 2250N	1
6000E 2200N	1
6000E 2150N	2
6000E 2100N	2
6000E 2050N	2
6000E 2000N	1
STANDARD AU-S	55

ACME ANALYTICAL LABORATORIES LTD.
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SAMPLE#	AU* ppb
900E 3000N	8
900E 2950N	1
900E 2900N	2
900E 2850N	6
900E 2800N	2
900E 2400N	4
900E 2350N	1
900E 2300N	5
900E 2250N	3
900E 2200N	5
950E 3000N	3
950E 2950N	4
950E 2900N	5
950E 2850N	9
950E 2800N	4
950E 2400N	1
950E 2350N	4
950E 2300N	4
950E 2250N	3
950E 2200N	2
1050E 3000N	2
1050E 2950N	2
1050E 2900N	5
1050E 2850N	1
1050E 2800N	4
1050E 2400N	1
1050E 2350N	3
1050E 2300N	21
1050E 2250N	22
1050E 2200N	3
1100E 5600N	11
1100E 5550N	5
1100E 5500N	3
1100E 5450N	3
1100E 5400N	5
1100E 3000N	1
STANDARD AU-S	54

- SAMPLE TYPE: P1 TO P28 SOIL P29 ROCK
AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

SAMPLE#	AU* ppb
1100E 2950N	3
1100E 2900N	4
1100E 2850N	2
1100E 2800N	3
1100E 2400N	1
1100E 2350N	2
1100E 2300N	1
1100E 2250N	1
1100E 2200N	2
1100E 1750N	150
1100E 1700N	3
1100E 1650N	4
1100E 1600N	3
1100E 1550N	2
1100E 1500N	5
1100E 1450N	3
1150E 5600N	2
1150E 5550N	3
1150E 5500N	4
1150E 5450N	2
1150E 5400N	5
1150E 2550N	2
1150E 2500N	36
1150E 2450N	5
1150E 2400N	3
1150E 2350N	4
1150E 1750N	3
1150E 1700N	7
1150E 1650N	1
1150E 1600N	1
1150E 1550N	1
1150E 1500N	1
1150E 1450N	1
1150E 750N	2
1150E 700N	3
1150E 650N	2
STANDARD AU-S	48

SAMPLE#	AU* ppb
1150E 600N	5
1150E 550N	4
1150E 500N	4
1150E 450N	3
1150E 400N	2
1250E 5600N	1
1250E 5550N	2
1250E 5500N	2
1250E 5450N	120
1250E 5400N	3
1250E 2550N	2
1250E 2500N	5
1250E 2450N	2
1250E 2400N	1
1250E 2350N	1
1250E 1750N	2
1250E 1700N	2
1250E 1650N	1
1250E 1600N	1
1250E 1550N	1
1250E 1500N	2
1250E 1450N	1
1250E 750N	1
1250E 700N	2
1250E 650N	4
1250E 600N	2
1250E 550N	1
1250E 500N	1
1250E 450N	1
1250E 400N	1
1300E 5950N	1
1300E 5900N	9
1300E 5850N	3
1300E 5800N	1
1300E 5750N	1
1300E 5600N	2
STANDARD AU-S	45

SAMPLE#	AU* ppb
1300E 5550N	6
1300E 5500N	6
1300E 5450N	5
1300E 5400N	7
1300E 3450N	6
1300E 3400N	2
1300E 3350N	15
1300E 3300N	2
1300E 3250N	1
1300E 2550N	2
1300E 2500N	1
1300E 2450N	3
1300E 2400N	2
1300E 2350N	6
1300E 2300N	1
1300E 2250N	2
1300E 2200N	2
1300E 2150N	1
1300E 2100N	2
1300E 1750N	2
1300E 1700N	3
1300E 1650N	1
1300E 1600N	1
1300E 1550N	1
1300E 1500N	1
1300E 1450N	2
1350E 5950N	1
1350E 5900N	1
1350E 5850N	1
1350E 5800N	1
1350E 5750N	1
1350E 3450N	1
1350E 3400N	2
1350E 3350N	1
1350E 3300N	1
1350E 3250N	1
STANDARD AU-S	50

SAMPLE#	AU* ppb
1350E 2300N	5
1350E 2250N	1
1350E 2200N	3
1350E 2150N	2
1350E 2100N	3
1450E 5950N	3
1450E 5900N	1
1450E 5850N	4
1450E 5800N	6
1450E 5750N	4
1450E 3450N	6
1450E 3400N	3
1450E 3350N	2
1450E 3300N	9
1450E 3250N	2
1450E 2300N	2
1450E 2250N	3
1450E 2200N	1
1450E 2150N	1
1450E 2100N	5
1500E 5950N	2
1500E 5900N	2
1500E 5850N	17
1500E 5800N	2
1500E 5750N	1
1500E 4900N	7
1500E 4850N	290
1500E 4800N	4
1500E 4750N	1
1500E 4700N	1
1500E 4300N	6
1500E 4250N	3
1500E 4200N	1
1500E 4150N	7
1500E 4100N	6
1500E 3450N	6
STANDARD AU-S	47

SAMPLE#	AU* ppb
1500E 3400N	2
1500E 3350N	1
1500E 3300N	1
1500E 3250N	2
1500E 2600N	1
1500E 2550N	1
1500E 2500N	1
1500E 2450N	1
1500E 2400N	2
1500E 2300N	1
1500E 2250N	1
1500E 2200N	2
1500E 2150N	2
1500E 2100N	1
1550E 4900N	1
1550E 4850N	1
1550E 4800N	1
1550E 4750N	2
1550E 4700N	1
1550E 4300N	1
1550E 4250N	2
1550E 4200N	1
1550E 4150N	1
1550E 4100N	1
1550E 2600N	1
1550E 2550N	15
1550E 2500N	1
1550E 2450N	5
1550E 2400N	1
1650E 4900N	4
1650E 4850N	3
1650E 4800N	4
1650E 4750N	3
1650E 4700N	5
1650E 4300N	2
1650E 4250N	3
STANDARD AU-S	53

SAMPLE#	AU* ppb
1650E 4200N	2
1650E 4150N	3
1650E 4100N	2
1650E 2600N	4
1650E 2550N	4
1650E 2500N	5
1650E 2450N	3
1650E 2400N	5
1700E 6000N	3
1700E 5900N	5
1700E 5850N	3
1700E 5250N	4
1700E 5200N	3
1700E 5150N	2
1700E 5100N	2
1700E 5050N	1
1700E 5000N	2
1700E 4900N	5
1700E 4850N	13
1700E 4800N	2
1700E 4750N	5
1700E 4700N	2
1700E 4300N	4
1700E 4250N	4
1700E 4200N	5
1700E 4150N	3
1700E 4100N	3
1700E 3650N	5
1700E 3600N	4
1700E 3550N	35
1700E 3500N	9
1700E 3450N	3
1700E 3400N	4
1700E 3350N	6
1700E 3300N	5
1700E 3250N	4
STANDARD AU-S	52

SAMPLE#	AU* ppb
1700E 2600N	6
1700E 2550N	6
1700E 2500N	1
1700E 2450N	3
1700E 2400N	2
1750E 6000N	2
1750E 5950N	5
1750E 5900N	6
1750E 5850N	1
1750E 5250N	2
1750E 5200N	2
1750E 5150N	2
1750E 5100N	1
1750E 5050N	2
1750E 5000N	7
1750E 3650N	9
1750E 3600N	9
1750E 3550N	5
1750E 3500N	5
1750E 3450N	10
1750E 3400N	18
1750E 3350N	2
1750E 3300N	1
1750E 3250N	4
1850E 6000N	4
1850E 5950N	1
1850E 5900N	3
1850E 5850N	2
1850E 5250N	1
1850E 5200N	1
1850E 5150N	2
1850E 5100N	5
1850E 5050N	1
1850E 5000N	11
1850E 3650N	1
1850E 3600N	2
STANDARD AU-S	52

SAMPLE#	AU* ppb
1850E 3550N	21
1850E 3500N	7
1850E 3450N	3
1850E 3400N	7
1850E 3350N	5
1850E 3300N	20
1850E 3250N	5
1900E 6000N	1
1900E 5950N	1
1900E 5900N	4
1900E 5850N	4
1900E 5400N	4
1900E 5350N	1
1900E 5300N	2
1900E 5250N	1
1900E 5200N	1
1900E 5150N	3
1900E 5100N	1
1900E 5050N	3
1900E 5000N	16
1900E 4750N	4
1900E 4700N	4
1900E 4650N	1
1900E 4600N	25
1900E 4550N	89
1900E 4500N	1
1900E 4450N	1
1900E 4400N	3
1900E 4350N	4
1900E 3650N	1
1900E 3600N	3
1900E 3550N	1
1900E 3500N	1
1900E 3450N	1
1900E 3400N	2
1900E 3350N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
1900E 3300N	8
1900E 3250N	5
1950E 5400N	3
1950E 5350N	1
1950E 5300N	5
1950E 5250N	3
1950E 5200N	89
1950E 5150N	14
1950E 5100N	410
1950E 5050N	30
1950E 5000N	4
1950E 4750N	6
1950E 4700N	46
1950E 4650N	2
1950E 4600N	4
1950E 4550N	7
1950E 4500N	17
1950E 4450N	4
1950E 4400N	13
1950E 4350N	46
1950E 3650N	6
1950E 3600N	4
1950E 3550N	4
1950E 3500N	1
1950E 3450N	15
1950E 3400N	6
1950E 3350N	3
1950E 3300N	1
1950E 3250N	1
2050E 5400N	2
2050E 5350N	2
2050E 5300N	2
2050E 5250N	3
2050E 5200N	3
2050E 5150N	4
2050E 5100N	4
STANDARD AU-S	51

SAMPLE#	AU* ppb
2050E 5050N	18
2050E 5000N	15
2050E 4750N	1
2050E 4700N	1
2050E 4650N	4
2050E 4600N	1
2050E 4550N	1
2050E 4500N	7
2050E 4450N	1
2050E 4400N	3
2050E 4350N	2
2050E 3650N	8
2050E 3600N	1
2050E 3550N	9
2050E 3500N	1
2050E 3450N	1
2050E 3400N	3
2050E 3350N	2
2050E 3300N	2
2050E 3250N	2
2100E 5800N	1
2100E 5750N	7
2100E 5700N	1
2100E 5650N	1
2100E 5600N	5
2100E 5400N	5
2100E 5350N	5
2100E 5300N	4
2100E 5250N	1
2100E 5200N	4
2100E 5150N	18
2100E 5100N	4
2100E 5050N	1
2100E 5000N	4
2100E 4750N	6
2100E 4700N	1
STANDARD AU-S	45

SAMPLE#	AU* ppb
2100E 4650N	7
2100E 4600N	8
2100E 4550N	5
2100E 4500N	15
2100E 4450N	7
2100E 4400N	2
2100E 4350N	1
2100E 3350N	4
2100E 3300N	4
2100E 3250N	5
2100E 3200N	5
2100E 3150N	3
2100E 3100N	1
2100E 3050N	1
2100E 3000N	1
2100E 2950N	1
2100E 2900N	1
2100E 2850N	8
2100E 2800N	4
2100E 2450N	1
2100E 2400N	31
2100E 2350N	6
2100E 2300N	69
2100E 2250N	1
2100E 1800N	1
2100E 1750N	3
2100E 1700N	2
2100E 1650N	2
2100E 1600N	1
2150E 5800N	2
2150E 5750N	1
2150E 5700N	1
2150E 5650N	1
2150E 5600N	3
2150E 4600N	1
2150E 4550N	4
STANDARD AU-S	50

SAMPLE#	AU* ppb
2150E 4500N	6
2150E 4450N	3
2150E 4400N	4
2150E 4350N	11
2150E 4300N	8
2150E 4250N	2
2150E 4200N	1
2150E 4150N	17
2150E 4100N	5
2150E 4050N	9
2150E 4000N	1
2150E 3350N	1
2150E 3300N	5
2150E 3250N	7
2150E 3200N	6
2150E 3150N	2
2150E 3100N	1
2150E 3050N	6
2150E 3000N	5
2150E 2950N	1
2150E 2900N	7
2150E 2850N	1
2150E 2800N	1
2150E 2450N	2
2150E 2400N	3
2150E 2350N	1
2150E 2300N	1
2150E 2250N	2
2150E 1800N	10
2150E 1750N	2
2150E 1700N	3
2150E 1650N	1
2150E 1600N	160
2250E 5800N	8
2250E 5750N	6
2250E 5700N	6
STANDARD AU-S	48

SAMPLE#	AU* ppb
2250E 5650N	2
2250E 5600N	2
2250E 4600N	1
2250E 4550N	7
2250E 4500N	4
2250E 4450N	1
2250E 4400N	1
2250E 4350N	2
2250E 4300N	7
2250E 4250N	7
2250E 4200N	7
2250E 4150N	3
2250E 4100N	5
2250E 4050N	7
2250E 4000N	3
2250E 3350N	4
2250E 3300N	4
2250E 3250N	2
2250E 3200N	7
2250E 3150N	2
2250E 3100N	2
2250E 3050N	4
2250E 3000N	2
2250E 2950N	5
2250E 2900N	7
2250E 2850N	2
2250E 2800N	2
2250E 2450N	1
2250E 2400N	6
2250E 2350N	9
2250E 2300N	3
2250E 2250N	2
2250E 1800N	1
2250E 1750N	25
2250E 1700N	1
2250E 1650N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
2250E 1600N	2
2300E 5800N	23
2300E 5750N	11
2300E 5700N	7
2300E 5650N	7
2300E 5600N	4
2300E 5300N	1
2300E 5250N	6
2300E 5200N	4
2300E 5150N	2
2300E 5100N	2
2300E 4600N	8
2300E 4550N	6
2300E 4500N	3
2300E 4450N	8
2300E 4400N	4
2300E 4350N	6
2300E 4300N	6
2300E 4250N	2
2300E 4200N	3
2300E 4150N	5
2300E 4100N	5
2300E 4050N	4
2300E 4000N	7
2300E 3350N	1
2300E 3300N	5
2300E 3250N	1
2300E 3200N	1
2300E 3150N	4
2300E 3100N	4
2300E 3050N	5
2300E 3000N	5
2300E 2950N	9
2300E 2900N	3
2300E 2850N	3
2300E 2450N	1
STANDARD AU-S	53

SAMPLE#	AU* ppb
2300E 2400N	11
2300E 2350N	10
2300E 2300N	8
2300E 2250N	6
2300E 2200N	6
2300E 2150N	32
2300E 2100N	5
2300E 2050N	4
2300E 1800N	2
2300E 1750N	2
2300E 1700N	1
2300E 1650N	2
2300E 1600N	22
2300E 1550N	21
2300E 1500N	1
2300E 1450N	1
2300E 1400N	4
2300E 1350N	1
2350E 5300N	1
2350E 5250N	2
2350E 5200N	6
2350E 5150N	1
2350E 5100N	1
2350E 2250N	4
2350E 2200N	1
2350E 2150N	1
2350E 2100N	1
2350E 2050N	1
2350E 1550N	6
2350E 1500N	1
2350E 1450N	1
2350E 1400N	1
2350E 1350N	1
2450E 2250N	2
2450E 2200N	2
2450E 2150N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
2450E 2100N	3
2450E 2050N	2
2450E 1550N	1
2450E 1500N	2
2450E 1450N	5
2450E 1400N	2
2450E 1350N	4
2500E 5300N	6
2500E 5250N	7
2500E 5200N	3
2500E 5150N	11
2500E 5100N	4
2500E 5050N	3
2500E 5000N	32
2500E 2250N	3
2500E 2200N	2
2500E 2150N	4
2500E 2100N	3
2500E 2050N	4
2500E 1550N	18
2500E 1500N	2
2500E 1450N	3
2500E 1400N	4
2500E 1350N	3
2500E 500N	2
2500E 450N	5
2500E 400N	3
2500E 350N	1
2500E 300N	3
2500E 250N	4
2550E 5300N	3
2550E 5250N	2
2550E 5200N	2
2550E 5150N	6
2550E 5100N	4
2550E 5050N	3
STANDARD AU-S	49

SAMPLE#	AU* ppb
2550E 5000N	6
2550E 500N	1
2550E 450N	4
2550E 400N	4
2550E 350N	4
2550E 300N	14
2550E 250N	7
2650E 5200N	1
2650E 5150N	6
2650E 5100N	2
2650E 5050N	1
2650E 5000N	6
2650E 500N	4
2650E 450N	3
2650E 400N	7
2650E 350N	11
2650E 300N	12
2650E 250N	3
2700E 5200N	7
2700E 5150N	1
2700E 5100N	5
2700E 5050N	7
2700E 5000N	4
2700E 3450N	1
2700E 3400N	1
2700E 3350N	1
2700E 3300N	2
2700E 3250N	2
2700E 3200N	1
2700E 3150N	1
2700E 3100N	1
2700E 3050N	3
2700E 3000N	7
2700E 2950N	1
2700E 1650N	1
2700E 1600N	1
STANDARD AU-S	51

SAMPLE#	AU* ppb
2700E 1550N	7
2700E 1500N	5
2700E 1450N	29
2700E 1400N	4
2700E 500N	3
2700E 450N	4
2700E 400N	6
2700E 350N	110
2700E 300N	4
2700E 250N	7
2750E 1650N	3
2750E 1600N	1
2750E 1550N	3
2750E 1500N	3
2750E 1450N	1
2750E 1400N	1
2850E 1650N	2
2850E 1600N	2
2850E 1550N	7
2850E 1500N	1
2850E 1450N	1
2850E 1400N	1
2900E 5100N	2
2900E 5050N	3
2900E 5000N	1
2900E 4950N	4
2900E 4900N	1
2900E 3800N	3
2900E 3750N	4
2900E 3700N	2
2900E 3650N	2
2900E 3600N	1
2900E 3550N	3
2900E 3500N	6
2900E 3450N	4
2900E 3400N	4
STANDARD AU-S	48

SAMPLE#	AU* ppb
2900E 3350N	3
2900E 3300N	2
2900E 3250N	7
2900E 3200N	5
2900E 1650N	5
2900E 1600N	27
2900E 1550N	3
2900E 1500N	1
2900E 1450N	5
2900E 1400N	4
2950E 5100N	2
2950E 5050N	7
2950E 5000N	3
2950E 4950N	2
2950E 4900N	3
3050E 5100N	4
3050E 5050N	3
3050E 5000N	5
3050E 4950N	9
3050E 4900N	6
3100E 5100N	8
3100E 5050N	4
3100E 5000N	2
3100E 4950N	5
3100E 4900N	6
3100E 4350N	3
3100E 4250N	4
3100E 3250N	3
3100E 3200N	1
3100E 3150N	2
3100E 3100N	3
3100E 3050N	1
3100E 3000N	4
3100E 2950N	1
3100E 2900N	1
3100E 2850N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
3100E 2800N	2
3100E 2750N	3
3150E 4350N	3
3150E 4300N	1
3150E 4250N	1
3150E 3250N	1
3150E 3200N	1
3150E 3150N	2
3150E 3100N	1
3150E 3050N	1
3150E 3000N	1
3150E 2950N	2
3150E 2900N	1
3150E 2850N	2
3150E 2800N	1
3150E 2750N	1
3250E 4450N	1
3250E 4400N	2
3250E 4350N	2
3250E 4300N	3
3250E 4250N	4
3250E 3250N	2
3250E 3200N	1
3250E 3150N	5
3250E 3100N	1
3250E 3050N	3
3250E 3000N	1
3250E 2950N	2
3250E 2900N	1
3250E 2850N	1
3250E 2800N	3
3250E 2750N	3
3300E 4750N	4
3300E 4700N	3
3300E 4650N	2
3300E 4600N	1
3300E 4550N	1
3300E 4600N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
3300E 4550N	6
3300E 4450N	1
3300E 4400N	1
3300E 4350N	1
3300E 4300N	1
3300E 4250N	13
3300E 3250N	1
3300E 3200N	3
3300E 3150N	10
3300E 3100N	1
3300E 3050N	4
3300E 3000N	7
3300E 2950N	5
3300E 2900N	2
3300E 2850N	3
3300E 2800N	4
3300E 2750N	1
3300E 2350N	40
3300E 2300N	3
3300E 2250N	4
3300E 2200N	6
3300E 2150N	4
3300E 2100N	5
3300E 2050N	1
3300E 2000N	3
3350E 4750N	1
3350E 4700N	6
3350E 4650N	2
3350E 4600N	1
3350E 4550N	31
3350E 2350N	5
3350E 2300N	1
3350E 2250N	9
3350E 2200N	1
3350E 2150N	4
3350E 2100N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
3350E 2050N	2
3350E 2000N	7
3450E 4750N	2
3450E 4700N	2
3450E 4650N	3
3450E 4600N	1
3450E 4550N	8
3450E 2350N	4
3450E 2300N	5
3450E 2250N	2
3450E 2200N	1
3450E 2150N	4
3450E 2100N	4
3450E 2050N	19
3450E 2000N	5
3500E 4750N	4
3500E 4700N	1
3500E 4650N	3
3500E 4600N	8
3500E 4550N	1
3500E 2750N	5
3500E 2700N	6
3500E 2650N	2
3500E 2600N	4
3500E 2550N	2
3500E 2350N	11
3500E 2300N	4
3500E 2250N	3
3500E 2200N	2
3500E 2150N	5
3500E 2100N	9
3500E 2050N	2
3500E 2000N	6
3550E 5400N	4
3550E 5350N	5
3550E 5300N	3
STANDARD AU-S	48

SAMPLE#	AU* ppb
3550E 5250N	6
3550E 2750N	5
3550E 2700N	5
3550E 2650N	3
3550E 2600N	2
3550E 2550N	3
3650E 5450N	11
3650E 5400N	2
3650E 5350N	5
3650E 5300N	1
3650E 5250N	1
3650E 2750N	3
3650E 2700N	4
3650E 2650N	2
3650E 2600N	2
3650E 2550N	7
3700E 5450N	8
3700E 5400N	8
3700E 5350N	6
3700E 5300N	1
3700E 5250N	3
3700E 2750N	6
3700E 2700N	5
3700E 2650N	4
3700E 2600N	4
3700E 2550N	2
3900E 3850N	3
3900E 3800N	5
3900E 3750N	1
3900E 3700N	1
3900E 3650N	2
3950E 3850N	2
3950E 3800N	2
3950E 3750N	4
3950E 3700N	5
3950E 3650N	7
STANDARD AU-S	47

SAMPLE#	AU* ppb
4050E 3850N	9
4050E 3800N	2
4050E 3750N	2
4050E 3700N	2
4050E 3650N	1
4100E 4550N	7
4100E 4500N	1
4100E 4450N	5
4100E 4400N	5
4100E 4350N	2
4100E 3850N	3
4100E 3800N	6
4100E 3750N	1
4100E 3700N	2
4100E 3650N	4
4100E 2350N	4
4100E 2300N	1
4100E 2250N	16
4100E 2200N	1
4100E 2150N	2
4100E 2100N	3
4150E 4550N	1
4150E 4500N	1
4150E 4450N	2
4150E 4400N	2
4150E 4350N	7
4150E 2350N	4
4150E 2300N	2
4150E 2250N	4
4150E 2200N	7
4150E 2150N	3
4150E 2100N	2
4250E 2350N	1
4250E 2300N	3
4250E 2250N	8
4250E 2200N	1
STANDARD AU-S	52

SAMPLE#	AU* ppb
4250E 2150N	3
4250E 2100N	6
4300E 2350N	6
4300E 2300N	2
4300E 2250N	1
4300E 2200N	7
4300E 2150N	12
4300E 2100N	8
4500E 2950N	2
4500E 2900N	1
4500E 2850N	2
4500E 2800N	9
4500E 2750N	3
4550E 2950N	2
4550E 2900N	4
4550E 2850N	3
4550E 2800N	12
4550E 2750N	5
4650E 2950N	11
4650E 2900N	1
4650E 2850N	3
4650E 2800N	2
4650E 2750N	1
4650E 2700N	1
4650E 2650N	6
4650E 2600N	4
4650E 2550N	10
4650E 2500N	1
4650E 2450N	3
4650E 2400N	1
4650E 2350N	10
4850E 4500N	1
4850E 4450N	1
4850E 4400N	2
4850E 4350N	1
4850E 4300N	1
STANDARD AU-S	55

SAMPLE#	AU* ppb
4850E 2550N	3
4850E 2500N	4
4850E 2450N	12
4850E 2400N	17
4850E 2350N	3
4900E 4500N	17
4900E 4450N	1
4900E 4400N	4
4900E 4350N	4
4900E 4300N	1
4900E 2800N	4
4900E 2750N	7
4900E 2700N	7
4900E 2650N	1
4900E 2600N	2
4900E 2550N	4
4900E 2500N	1
4900E 2450N	2
4900E 2400N	1
4900E 2350N	2
5300E 3350N	4
5300E 3300N	4
5300E 3250N	1
5300E 3200N	3
5300E 3150N	7
5300E 3100N	2
5350E 5200N	1
5350E 5150N	4
5350E 5100N	3
5350E 5050N	1
5350E 5000N	1
5350E 4950N	1
5350E 4900N	1
5350E 3350N	2
5350E 3300N	3
5350E 3250N	3
STANDARD AU-S	50

SAMPLE#	AU* ppb
5350E 3200N	1
5350E 3150N	3
5350E 3100N	1
5450E 5200N	5
5450E 5150N	2
5450E 5100N	2
5450E 5050N	1
5450E 5000N	1
5450E 4950N	3
5450E 4900N	15
5450E 3350N	3
5450E 3300N	1
5450E 3250N	2
5450E 3200N	2
5450E 3150N	1
5450E 3100N	3
5500E 3350N	3
5500E 3300N	3
5500E 3250N	1
5500E 3200N	3
5500E 3100N	4
5750E 5200N	2
5750E 5150N	1
5750E 5100N	3
5750E 5050N	1
5750E 5000N	1
5750E 4950N	3
5750E 4900N	5
5850E 5200N	6
5850E 5150N	5
5850E 5100N	1
5850E 5050N	15
5850E 5000N	1
5850E 4950N	3
5850E 4900N	1
STANDARD AU-S	45

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

DATE RECEIVED: NOV 2 1990

DATE REPORT MAILED: *Nov 9/90*

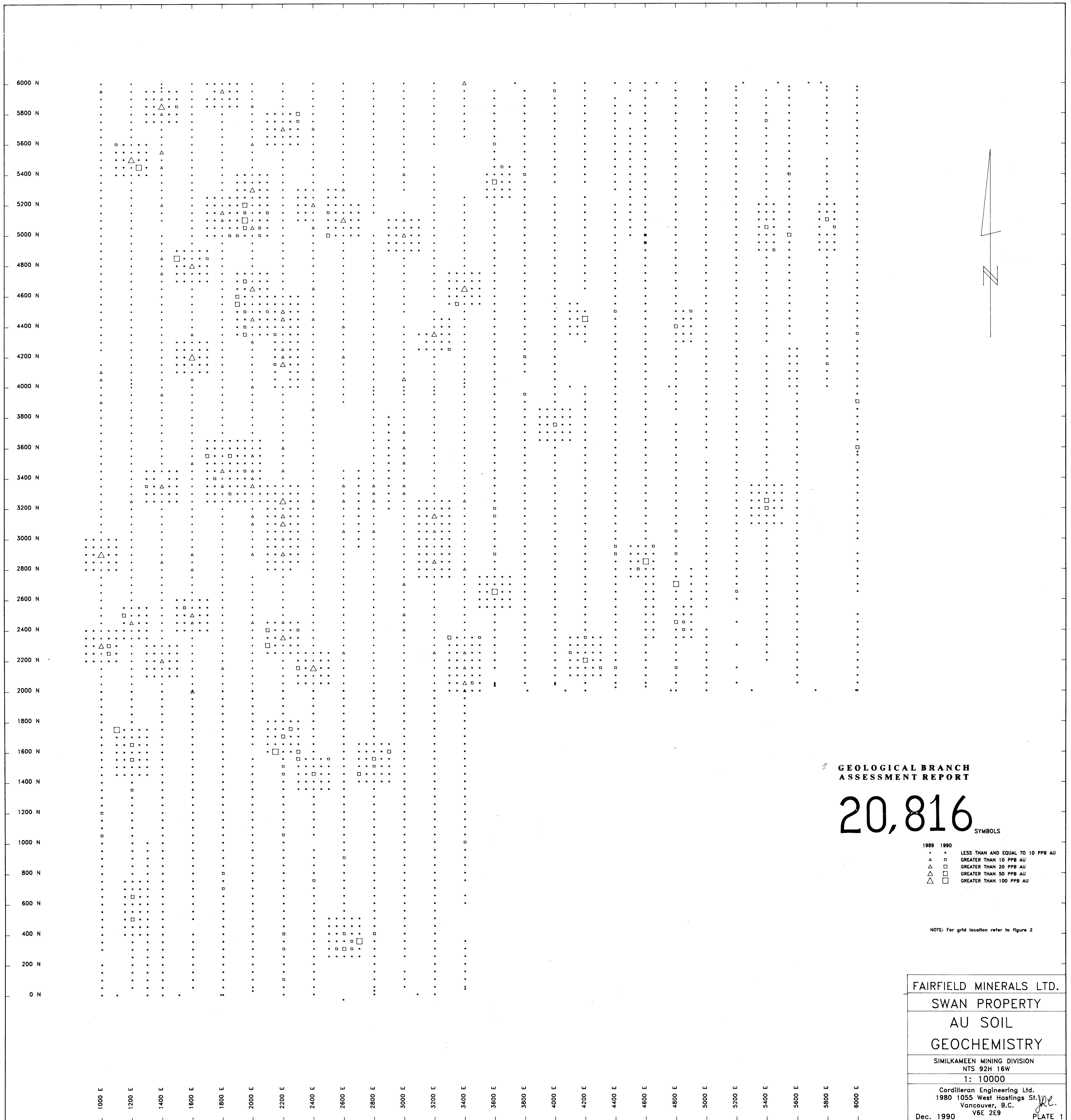
GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT SWAN #2 FILE # 90-5710 Page 11
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9

SAMPLE#	Ag ppm	Au* ppb
SWAM 90-R1	.2	7
SWAM 90-R2	.8	14

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 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 TO P28 SOIL P29 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 20 GM SAMPLE.

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



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,816 SYMBOLS

1989	1990	
.	.	LESS THAN AND EQUAL TO 10 PPB AU
△	△	GREATER THAN 10 PPB AU
△	△	GREATER THAN 20 PPB AU
△	△	GREATER THAN 50 PPB AU
△	△	GREATER THAN 100 PPB AU

NOTE: For grid location refer to figure 2

FAIRFIELD MINERALS LTD.
SWAN PROPERTY
AU SOIL GEOCHEMISTRY
SIMILKAMEEN MINING DIVISION NTS 92H 16W 1: 10000
Cordilleran Engineering Ltd. 1980 1055 West Hastings St. Vancouver, B.C. V6E 2E9
Dec. 1990 jre. PLATE 1