

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 92.08.21

ASSESSMENT REPORT 21922

MINING DIVISION: Nicola

PROPERTY: King  
LOCATION: LAT 49 54 00 LONG 120 12 45  
UTM 10 5531019 700179  
NTS 092H16E

CAMP: 012 Nicola Belt

CLAIM(S): King 1-8  
OPERATOR(S): Kingsvale Res.  
AUTHOR(S): Rowe, J.  
REPORT YEAR: 1991, 52 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Triassic-Jurassic, Penask Batholith, Granodiorites, Andesites  
Quartz veins, Shear zones

WORK

DONE: Geochemical  
SOIL 1209 sample(s) ;AU  
Map(s) - 1; Scale(s) - 1:10 000

LOG NO: EC 13 1991	RD.
ACTION:	
FILE NO:	

**1991 GEOCHEMICAL REPORT  
ON THE KING 1-10 MINERAL CLAIMS**

Nicola Mining Division, B.C.  
NTS: 92H/16E, 16W  
Lat. 49 deg.54'N, Long. 120 deg.13'W

November, 1991 (BC Assessment Report)

Report Distribution

→Government: 2  
Kingsvale: 2  
Cordilleran: original  
Total 5 reports

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**21,922**

1991

**GEOCHEMICAL REPORT**

**ON THE**

**KING 1-10 MINERAL CLAIMS**

Nicola Mining Division, B.C.

NTS: 92H/16E, 16W

Lat. 49 deg. 54'N, Long. 120 deg. 13'W

For

**KINGVALE RESOURCES LTD.**

Vancouver, British Columbia

By

J. D. Rowe, B.Sc.

**CORDILLERAN ENGINEERING LTD.**

1980-1055 W. Hastings St.

Vancouver, B.C. V6E 2E9

November, 1991

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**PLATE**  
(in pocket)

Scale

<u>Plate 1:</u>	Au Soil Geochemistry .....	1:10000
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The King property, located 50 kilometres west of Kelowna, B.C., comprises 10 claims (200 units) in the Nicola Mining Division. The claims, staked during 1990, are owned 100 percent by Kingsvale Resources Ltd. Exploration, managed by Cordilleran Engineering Ltd., targeted gold-bearing structures in intrusive and volcanic rocks.

Highway 97C (Okanagan Connector) transects the property providing excellent access. The physiography consists of a rolling plateau with abundant lakes and swamps and less than 5 percent bedrock exposure.

Previous work by others has been limited to copper exploration during the 1960's in areas to the northeast and northwest and recent gold exploration on properties to the west and south. Four kilometres to the southwest, on the Elk property, a high-grade vein system contains a drill indicated geological resource in excess of 200,000 ounces of gold with an average grade of 0.647 oz/ton Au using 6.6 feet true width. The King property hosts a geological environment similar to that on the adjoining Elk property. It straddles a narrow north-south neck of granodiorite batholith in contact on either side with andesitic to basaltic volcanics grading on the east to sedimentary rocks and minor limestone. An aeromagnetic high coincides with the intrusive body.

Weakly mineralized gold-bearing quartz veins hosted by sheared, altered granite have been observed in rock cuts along the highway through the southern claims. On the eastern claims siliceous volcanic rocks with disseminated arsenopyrite have returned anomalous gold values.

The 1991 program consisted of wide-spaced (400m x 50m) initial grid soil sampling over approximately one-half of the property for a total of 1074 samples. These were geochemically analyzed for gold and fill-in sampling (50m x 50m) was conducted around those sites which yielded values greater than 20 ppb Au, adding another 135 samples.

Scattered anomalous gold values were returned from the initial "first pass" sampling. The follow-up sampling confirmed three of these giving additional anomalous values over distances of up to 150 metres and to a high of 91 ppb Au.

Three small areas of weakly to moderately anomalous gold were indicated by this program of wide-spaced soil sampling with limited fill-in. Fifty percent of the property, underlain by a similar geological environment, remains to be sampled. Gold-arsenopyrite mineralization is known on the easternmost unsampled area and silver-rich quartz veins have been found near the western unsampled area. Further exploration is warranted.

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2.0

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

Wide-spaced (400m x 50m) soil sampling should be continued to test the remainder of the property for gold.

Fill-in sampling (50m x 50m) should be conducted around stations with values greater than 20 ppb gold to better define potential anomalous trends.

Samples from selected gold anomalies should be analyzed for copper to test for porphyry Cu-Au mineralization.

Gold anomalies should be prospected and samples collected from any altered or mineralized rocks.

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

Areas with mineral showings or strongly anomalous gold geochemistry, coincident geophysical signatures and an overburden depth less than four metres 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

November, 1991

\*\*\*\*

3.0

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

3.1 **LOCATION AND PHYSIOGRAPHY** (Figure 1)

The King property is located 50 kilometres west of Kelowna in south-central British Columbia (Figure 1). It is centered on latitude 49 degrees 54' N and longitude 120 degrees 13 'W within NTS Map areas 92H/16E and 16W. Access to the property is via Highway 97C (Okanagan Connector) 40 km west from Westbank. The highway transects the claims from northeast to southwest. Access to the northern part of the property is provided by secondary roads extending from the old Quilchena power line road to Paradise Lake and to Reservoir Lake.

The claims enclose an area of approximately 50 square kilometres on a broad uplands plateau with limited relief. Elevations range from 1550m to 1850m above sea level. Roughly 10 percent of the area is covered by small lakes or marsh. Bedrock exposure is very limited, estimated at less than 5 percent, confined to highway rock cuts and to the southeast claims where some steeper slopes are present. Northerly-flowing, small to medium size streams meander across the property but most have not eroded deeply enough to expose bedrock.

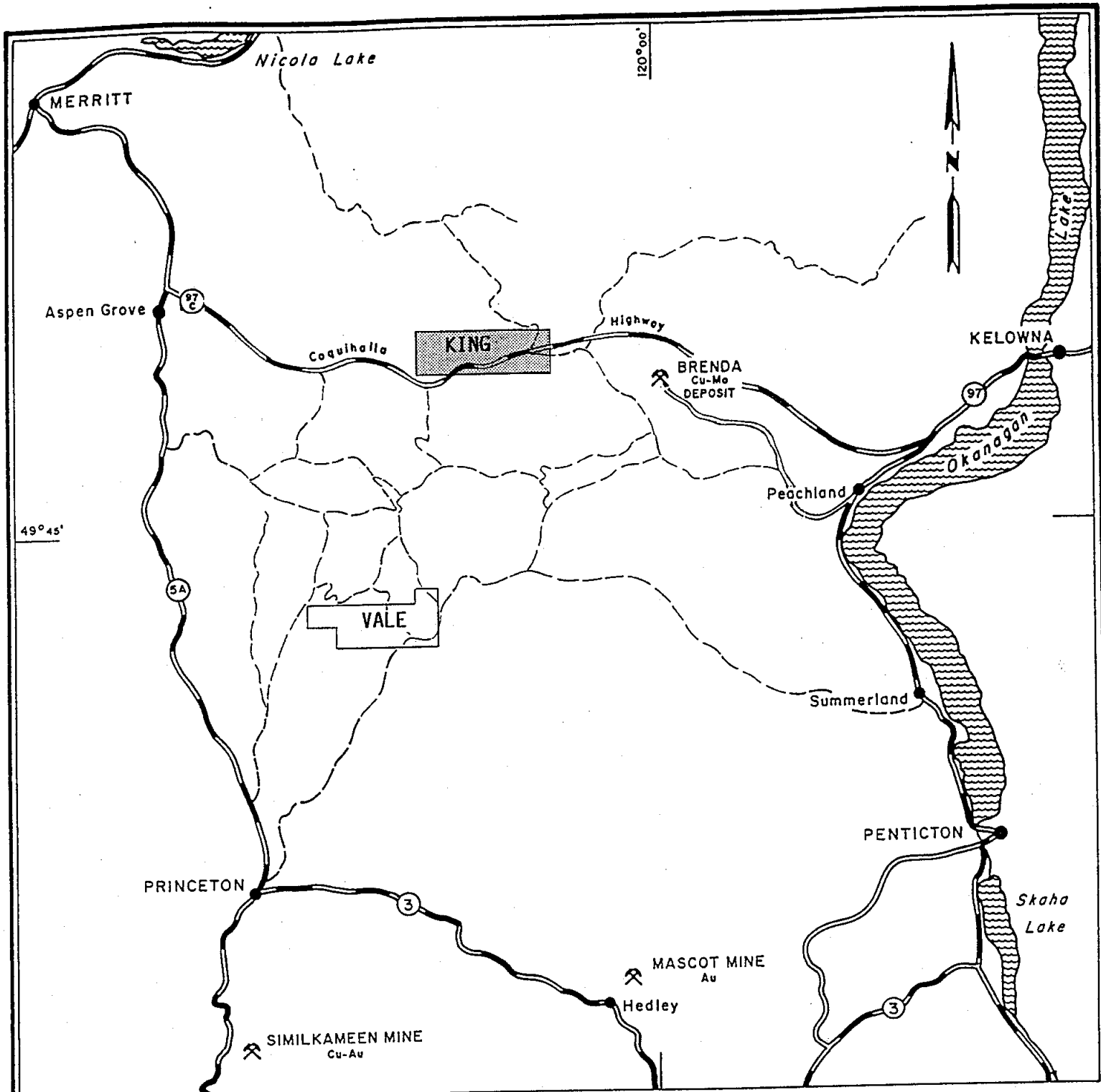
Forest cover comprises pine, fir, spruce and balsam. Clear cut logging has been undertaken on portions of the eastern claims. On the western claims timber plots have been surveyed for future logging in the area south of Paradise Lake. Annual temperatures range from -20 degrees to 30 degrees C and precipitation is low to moderate. The area is basically snow-free from mid June through October.

3.2 **CLAIM DATA** (Figure 2)

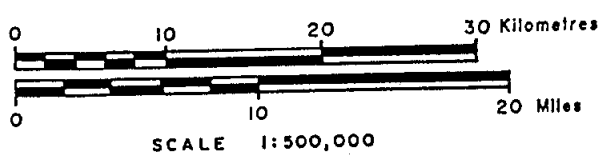
The current status of the King claims is indicated in Table 1, and their locations are shown on Figure 2. The claims, located in the Nicola Mining Division, were staked in August, 1990 and are 100 percent owned by Kingsvale Resources Ltd.

Table 1 **Claim Status as at November 1991**  
**King 1-10: Nicola Mining Division, British Columbia**

<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
King 1	20	2419	Aug 25, 1992
King 2	20	2420	Aug 25, 1992
King 3	20	2421	Aug 24, 1992
King 4	20	2422	Aug 24, 1992
King 5	20	2423	Aug 24, 1992
King 6	20	2424	Aug 23, 1992
King 7	20	2425	Aug 23, 1992
King 8	20	2426	Aug 23, 1992
King 9	20	2427	Aug 23, 1992
King 10	20	2428	Aug 22, 1992
	<u>200 units</u>		

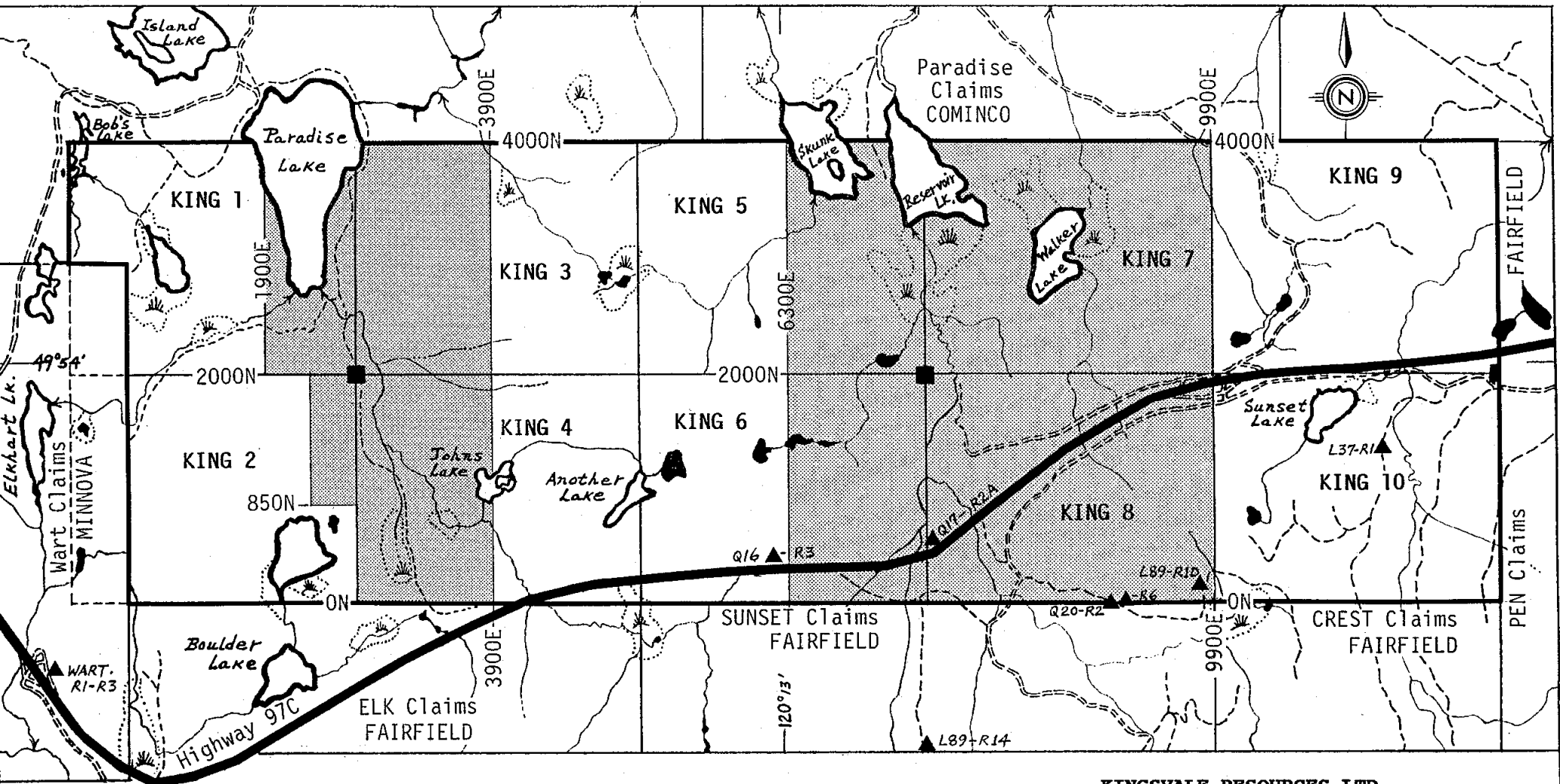


KINGSVALE RESOURCES LTD.  
 PROPERTY LOCATION MAP  
 SOUTHERN BRITISH COLUMBIA  
 OKANAGAN AREA, NTS 82E/92H



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





**LEGEND**

- — Legal Corner Post of 4-Post Mineral Claim(s)
- 1900E- Grid Line Number
- == - Forestry Roads, Trails
- — 1991 Soil Geochemical Survey Areas
- ▲ — Reconnaissance Rock Sample Site  
(Samples by Cordilleran Eng.Ltd. 1986-90  
refer to Table 2 for descriptions/results).

**KINGSVALE RESOURCES LTD.  
KING PROPERTY**

**CLAIM, GRID AND  
RECONNAISSANCE SAMPLE LOCATIONS**

Nicola Mining Division, B.C.  
NTS: 92H/16E, 16W

Scale: 1:50,000



By: Cordilleran Engineering Ltd.  
Vancouver, B.C.

November, 1991

Figure 2

3.3 HISTORY

There is no record of prior work being conducted in the area of the King claims. A few kilometres to the northwest and to the northeast copper exploration was undertaken from 1966 to 1968 consisting of soil sampling, airborne EM/Mag. and I.P. surveys. Minor copper showings were discovered in volcanic and intrusive host rocks.

Four kilometres to the southwest, high grade gold vein systems have been explored from 1986 to present by Fairfield Minerals Ltd. on the adjoining Elk property. Geochemical and geophysical surveys, trenching and diamond drilling at Elk have revealed several gold-bearing structures, one of which contains a drill indicated geological resource in excess of 200,000 ounces of gold with an average grade of 0.647 oz/ton Au over 6.6 feet true width.

Reconnaissance prospecting and sampling were carried out by Cordilleran Engineering Ltd. from 1986 through 1990 in the King property area. Anomalous gold values as well as high values in silver, copper, lead, zinc and arsenic were returned from a number of stream sediment, soil and rock samples resulting in subsequent staking of the claims in 1990.

3.4 1991 EXPLORATION PROGRAM

The 1991 program consisted of wide-spaced grid soil sampling (400m x 50m) over selected areas to cover approximately 50 percent of the property. Fill-in sampling (50m x 50m) was conducted around those stations which had values greater than 20 ppb Au to better define anomalous trends.

\*\*\*\*

4.0

**G E O L O G Y**

4.1 **REGIONAL GEOLOGY** (Figure 3)

Regional geology in the area of the King property is illustrated on the northeast part of G.S.C. map 41-1989, Hope, mapped by J.W.H.Monger, 1989 and condensed on Figure 3.

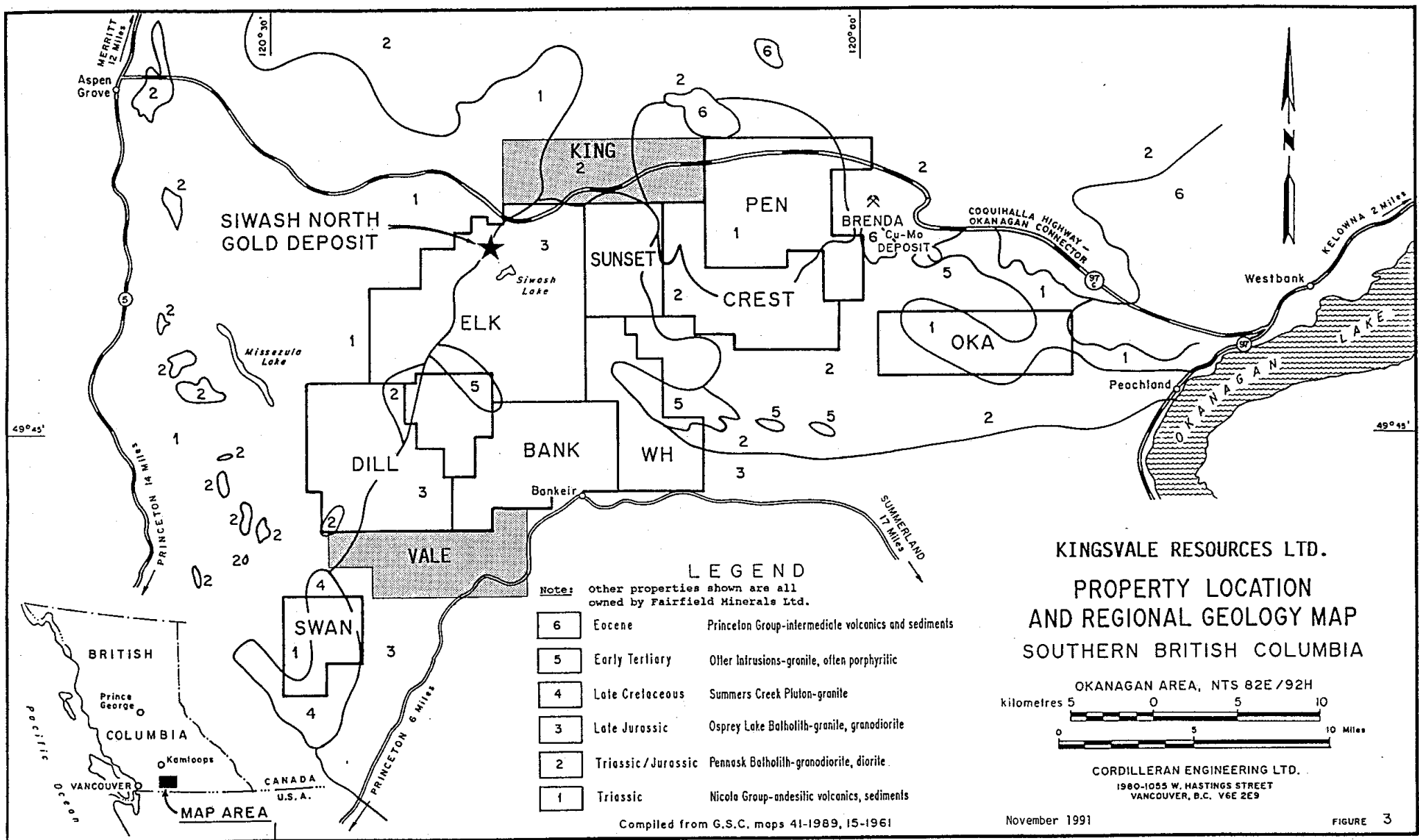
The claims straddle a narrow, north-south neck of the Pennask batholith approximately 5 km wide in contact on the east and west with volcanic and sedimentary rocks of the Nicola Group. The batholith comprises white to grey, medium to fine grained granodiorite of Late Triassic to Early Jurassic age. To the south it is in contact with Late Jurassic coarse grained pinkish granite to granodiorite. Nicola Group rocks consist of Late Triassic andesite to basalt flows and pyroclastics changing facies to the east to a sequence of interbedded argillite, sandstone, tuff and minor limestone.

The G.S.C. Aeromagnetic Map Sheet 92H/16 (No. 8528G) indicates a magnetic high of 58,500 gammas, approximately 2 km long, trending northeasterly across the centre of the King property in the area mapped as granodiorite. Magnetic lows are indicated in areas underlain by Nicola rocks to the east and west.

4.2 **PROPERTY GEOLOGY AND MINERALIZATION**

The geology of the property was not mapped during this program, however observations were made during reconnaissance prospecting and sampling of the area. Rock cut exposures along the highway on the south central claims consist predominantly of coarse grained pinkish granite. Shear zones within the granite are often accompanied by argillic to phyllic alteration over widths of up to several metres with local narrow quartz veins emplaced in the shears. Iron and manganese oxides are common in the alteration zones. Grab samples of quartz vein material with disseminated pyrite have returned values of up to 820 ppb Au and 122.1 ppm Ag (3.6 oz/ton) (See Figure 2 and Table 2). Andesite dykes up to 0.5m wide of probable Tertiary age have been observed cutting granite near mineralized quartz veins. Similar dykes are spacially associated with gold-bearing quartz veins on the nearby Elk property.

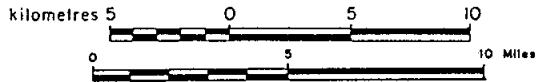
A grab sample of siliceous volcanic rock with disseminated to semi-massive arsenopyrite on the eastern King claims returned 1830 ppb Au and 30,530 ppm As. One kilometre from the southwest King claim corner on the adjoining Wart claims grab samples of quartz veins up to 6 cm wide in sheared, altered volcanic rock returned values up to 0.071 oz/ton Au and 30.5 oz/ton Ag with minor copper, lead and zinc. One kilometre south of the King boundary, on the Sunset claim, a grab sample of similarly mineralized quartz vein float gave values of 24,100 ppb Au (0.70 oz/ton) and 85.6 ppm Ag (2.50 oz/ton).



**KINGSVALE RESOURCES LTD.**

**PROPERTY LOCATION AND REGIONAL GEOLOGY MAP SOUTHERN BRITISH COLUMBIA**

OKANAGAN AREA, NTS 82E/92H



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

**LEGEND**

Note: Other properties shown are all owned by Fairfield Minerals Ltd.

6	Eocene	Princeton Group-intermediate volcanics and sediments
5	Early Tertiary	Other Intrusions-granite, often porphyritic
4	Late Cretaceous	Summers Creek Pluton-granite
3	Late Jurassic	Osprey Lake Batholith-granite, granodiorite
2	Triassic/Jurassic	Pennask Batholith-granodiorite, diorite.
1	Triassic	Nicola Group-andesitic volcanics, sediments

Compiled from G.S.C. maps 41-1989, 15-1961

November 1991

FIGURE 3

Shears and vein structures measured on the property have predominantly east to northeast strikes and moderate to steep southerly dips. It has been observed that most of the gold-bearing structures in the region have similar trends.

The geological setting is similar to that on the adjoining Elk property where, 4 km to the southwest, a gold-bearing quartz vein system cutting granitic and volcanic rocks is being explored. In addition, the Brenda copper-molybdenum deposit is hosted by the same geological units 10km east of the King property.

**Table 2:                      Reconnaissance Rock Samples (1986-90)**  
**King Property and Surrounding Area**

Sample #	Type and Description	Analysis and Assays					
		Au	Ag	Cu	Pb	Zn	As
L37-R1	Float, selected grab; andesite-basalt w/ strongly dissem py, asp.	1830 ppb					30,530 ppm
L89-R1D	Selected chips from in situ 1 cm qz vn cutting bleached, silicic, pyritic andesite.	680 ppb					
L89-R14	Float, selected grab; qz-flooded granite w/ clots of py, cpy, gn, sp.	24100 ppb	85.6 ppm				
Q16-R3	Selected grab from broken subcrop; 10cm drusy qz vn w/ scattered blebs of cpy.	410 ppb	7.8 ppm				
Q17-R2A	Selected chips from in situ pyritic qz-calcite vn(s)/bx assoc w/70 cm wide shear zone in phyllic alt'd granite near andesite dyke.	440 ppb	10.6 ppm				
Q20-R2	Float; selected grabs from several qz vn cobbles up to 10 cm wide. Drusy, sparse py + cpy.	820 ppb					
Q20-R6	Float; several small, angular qz vn fgmnts - in part hematitic w/ Fe + Mn oxides.	750 ppb	122.1 ppm				
WART-R1	Selected grabs from qz vn rubble w/ dissem gn.	0.034 oz/t	7.27 oz/t		0.15%		0.38%
WART-R2	Chips from in situ 2cm drusy, rusty qz vn assoc w/ narrow, clayey shear in alt'd volcs.	0.071 oz/t	1.11 oz/t	0.27%			1.71%
WART-R3	Selected grabs from qz vn rubble w/ abund dissem + thin bands of gn, sp.	0.065 oz/t	30.51 oz/t		0.53%	0.92%	0.82%

5.0

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

5.1

### SAMPLING PROCEDURE

A total of 1209 soil samples were collected from the King property in 1991. Wide spaced (400m x 50m) initial grid sampling yielded 1074 samples. These lines were established in two areas of the property covering the contact zones of the batholith and areas of known gold mineralization which were believed to have the best potential for the discovery of gold deposits. Fill-in sampling (50m x 50m) was conducted around selected anomalous sample sites producing an additional 135 samples. East-west claim lines served as baselines. They were measured with a hip chain, marked with pink flagging and at 50m stations marked with grid-numbered, waterproof Tyvek tags plus pink and blue flagging. North-south soil lines were established using hip chain and compass, and soil stations at 50m intervals were similarly identified with tags plus orange and blue flagging. Subsequent fill-in line locations were determined from existing 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. Each sample was tested for gold by atomic absorption following aqua regia digestion and MIBK extraction from a 10 gram sample.

5.2

### RESULTS (Plate 1; Table 2)

The 1991 gold soil geochemical results are plotted on Plate 1. Locations of the geochemical grids are keyed on Figure 2. Included on Figure 2 are the locations of reconnaissance samples collected prior to 1991 (Cordilleran Engineering Ltd. unpublished). Analytical results and descriptions for reconnaissance rock samples are listed in Table 2. All 1991 soil sample analytical certificates are contained in Section 10.0

Increasing symbol sizes on Plate 1 correspond to values  $\leq 10$ , 11-20, 21-50, 51-100,  $> 100$  ppb Au. Only results greater than 5 ppb Au are plotted on the map. Values of 1 to 5 ppb are considered to be background and those greater than 20 ppb are significant anomalies which warrant follow-up sampling.

The wide-spaced grid sampling of selected portions of the property was adopted to economically explore the largest extent reasonable, at the risk of missing narrow, high grade gold veins which may lie between 400 metre-spaced lines. It was hoped that this "first pass" sampling would identify sites with anomalous levels of gold which, with more detailed fill-in sampling, could outline gold trends which would warrant further exploration.

The initial grid sampling returned nine values greater than 20 ppb Au, to a high of 130 ppb, dispersed widely across the property. Fill-in sampling around these sites confirmed the existence of anomalous gold in three of the areas by yielding additional values of 20 ppb Au or greater. Fill-in around the 130 ppb high near the western shore of Skunk Lake at 6300E 3900N produced a result of 91 ppb Au 150 metres to the west. To the east of Paradise Lake, fill-in around a value of 29 ppb Au at 3500E, 4000N yielded a cluster of weakly anomalous values, up to 29 ppb Au, over a distance of 150 metres. West of Paradise Lake at 1900E, 3400N follow up of 38 ppb Au revealed 20 ppb Au at a station 50 metres to the east. Samples collected near areas of known gold mineralization did not yield any significant values.

Wide-spaced soil sampling, with limited follow-up over approximately one-half of the King property has indicated three small zones of weakly to moderately anomalous gold. Areas remaining to be sampled include the east and west ends of the property underlain by Nicola Group volcanic and sedimentary rocks and the middle of the block underlain by granodiorite. Selected areas should be tested for potential copper mineralization.

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6.0

P E R S O N N E L

	<u>Dates Worked</u>	
M. Steiner, Sampler Coquitlam, B.C.	June 21-26 July 19, 20	8 days sampling
R. Champoux, Sampler Vancouver, B.C.	June 21-26 July 19, 20	8 days sampling
R. Harwood, Sampler Nelson, B.C.	June 21-26	6 days sampling
B. Watts, Sampler Kelowna, B.C.	June 21-26	6 days sampling
E. Balon, Prospector North Vancouver, B.C.	June 21, 23-26	5 days sampling
J. D. Rowe, Geologist North Vancouver, B.C.	Nov. 7, 8, 12	3 days report prep

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7.0 STATEMENT OF EXPENDITURES

PROFESSIONAL SERVICES:

J. D. Rowe	6 days x 500/day	.....	\$3,000	
J. W. Stollery	2 days x 600/day	.....	1,200	
E. A. Balon	5 days x 375/day	.....	<u>1,875</u>	\$ 6,075

SALARIES:

M. Steiner	8 days x \$125/d	.....	1,000	
R. Harwood	6 days x 100/d	.....	600	
R. Champoux	8 days x 80/d	.....	640	
B. Watts	6 days x 100/d	.....	<u>600</u>	
			2,840	
	Benefits @ 12% .....		<u>340</u>	3,180

FOOD & CAMP ACCOMMODATION: 36 mandays x \$ 85/d ..... 3,060

GEOCHEMICAL ANALYSIS: 1209 soils (Au) ..... 6,530

RENTALS: Truck, Radiophone, Computer, etc. .... 750

FIELD EQUIPMENT AND SUPPLIES: ..... 785

FREIGHT: ..... 180

DRAFTING, OFFICE SUPPLIES, PRINTING: ..... 440

Total Expenditures \$21,000

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8.0

R E F E R E N C E S

B.C. Ministry of Energy Mines and Petroleum Resources:

Minfile 92H/NE

Geological Survey of Canada:

Aeromagnetic Map No. 8528G, NTS 92H/16, scale 1 inch = 1 mile

Jakubowski, W. J.:

1991: 1990 Drilling, Trenching, Geochemical and Geophysical (Assessment) Report on the Elk Property.

1991: Personal Communication.

Monger, J. W. H.:

1989: Geology, Hope, British Columbia, GSC Map 41-1989, scale 1:250,000

Rice, H. M. A.:

1947: Geology and Mineral Deposits of the Princeton Map-Area B.C., GSC Memoir 243

Rowe, J. D. and Balon, E. A.:

1990: 1988 and 1989 Regional Exploration, Southern British Columbia, Okanagan, Princeton and Osoyoos Areas (Cordilleran Engineering Ltd., unpublished report).

1991: 1990 Regional Exploration, Southern British Columbia, Okanagan Area (Cordilleran Engineering Ltd. unpublished report).

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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 eighteen years in British Columbia, Yukon and Quebec.
4. I am the author of this report and supervisor of the field work conducted on the King claims during the period June 21 to July 20, 1991.

CORDILLERAN ENGINEERING LTD.



J. D. Rowe, B.Sc.  
Geologist

JDR/z  
November, 1991  
Vancouver, B.C.

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## GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT KING #1 FILE # 91-2201 Page 1  
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: MARK STEINER

SAMPLE#	AU* ppb
1800E 4000N	3
1820E 3900N	2
1820E 3850N	1
1870E 3800N	1
1870E 3750N	6
1870E 3700N	12
1870E 3650N	1
1900E 3650N	1
1900E 3600N	3
1900E 3550N	2
1900E 3500N	2
1900E 3450N	1
1900E 3400N	38
1900E 3350N	4
1900E 3300N	1
1900E 3250N	1
1900E 3200N	2
1900E 3150N	1
1900E 3100N	1
1900E 3050N	2
1900E 3000N	1
1900E 2950N	2
1900E 2850N	1
1900E 2800N	13
1900E 2750N	1
1900E 2700N	1
1900E 2650N	1
1900E 2600N	45
1900E 2550N	1
1900E 2500N	1
1900E 2450N	1
1900E 2400N	1
1900E 2350N	1
1900E 2300N	1
1900E 2250N	2
1900E 2200N	1
STANDARD AU-S	46

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

DATE RECEIVED: JUL 2 1991

DATE REPORT MAILED: July 8/91.

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

RECEIVED

JUL 10 1991

SAMPLE#	AU* ppb
1900E 2150N	1
1900E 2100N	7
1900E 2050N	3
1900E 2000N	4
1900E 1950N	4
2300E 2500N	3
2300E 2460N	2
2300E 2400N	3
2300E 2350N	3
2300E 2300N	1
2300E 2250N	3
2300E 2200N	1
2300E 2150N	1
2300E 2100N	1
2300E 2050N	1
2300E 2000N	2
2300E 1950N	1
2300E 1900N	1
2300E 1850N	1
2300E 1800N	2
2300E 1750N	1
2300E 1700N	3
2300E 1650N	4
2300E 1600N	1
2300E 1550N	1
2300E 1500N	1
2300E 1450N	1
2300E 1400N	1
2300E 1350N	1
2300E 1300N	1
2300E 1250N	1
2300E 1200N	3
2300E 1150N	1
2300E 1100N	1
2300E 1050N	1
2300E 1000N	2
STANDARD AU-S	51

SAMPLE#	AU* ppb
2300E 950N	6
2300E 900N	4
2300E 850N	1
2700E 3700N	59
2700E 3650N	1
2700E 3600N	3
2700E 3550N	1
2700E 3500N	1
2700E 3450N	2
2700E 3400N	1
2700E 3350N	1
2700E 3300N	2
2700E 3250N	1
2700E 3200N	2
2700E 3150N	1
2700E 3100N	1
2700E 3050N	1
2700E 3000N	1
2700E 2950N	1
2700E 2900N	1
2700E 2850N	2
2700E 2800N	1
2700E 2750N	1
2700E 2700N	2
2700E 2650N	3
2700E 2600N	1
2700E 2550N	1
2700E 2500N	1
2700E 2450N	4
2700E 2400N	1
2700E 2350N	1
2700E 2300N	1
2700E 2250N	4
2700E 2200N	1
2700E 2150N	1
2700E 2100N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
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2700E 2050N	9
2700E 2000N	1
2700E 1950N	1
2700E 1900N	7
2700E 1850N	3
2700E 1800N	1
2700E 1750N	1
2700E 1650N	1
2700E 1600N	1
2700E 1550N	1
2700E 1500N	1
2700E 1450N	1
2700E 1400N	1
2700E 1350N	3
2700E 1300N	1
2700E 1250N	1
2700E 1200N	1
2700E 1150N	1
2700E 1100N	1
2700E 1050N	1
2700E 1000N	1
2700E 950N	1
2700E 900N	1
2700E 850N	2
2700E 800N	1
2700E 750N	1
2700E 700N	1
2700E 650N	1
2700E 600N	1
2700E 550N	1
2700E 500N	1
2700E 450N	1
2700E 350N	1
2700E 300N	1
2700E 250N	1
2700E 200N	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
2700E 150N	1
2700E 100N	2
2700E 050N	1
2700E 025N	4
2700E 000N	2
2900E 4000N	1
2900E 3950N	1
2900E 3900N	5
2900E 3850N	1
2900E 3800N	1
2900E 3750N	1
3100E 4000N	5
3100E 3950N	5
3100E 3900N	2
3100E 3850N	2
3100E 3800N	5
3100E 3750N	8
3100E 3700N	5
3100E 3350N	2
3100E 3300N	1
3100E 3250N	3
3100E 3200N	2
3100E 3150N	6
3100E 3100N	31
3100E 3050N	3
3100E 3000N	4
3100E 2950N	8
3100E 2900N	1
3100E 2850N	1
3100E 2800N	5
3100E 2750N	5
3100E 2700N	3
3100E 2650N	1
3100E 2600N	6
3100E 2550N	3
3100E 2500N	4
STANDARD AU-S	47



SAMPLE#	AU* ppb
3100E 2450N	2
3100E 2400N	1
3100E 2350N	2
3100E 2150N	1
3100E 2100N	2
3100E 2050N	4
3100E 2000N	1
3100E 1950N	4
3100E 1900N	3
3100E 1850N	1
3100E 1800N	1
3100E 1750N	1
3100E 1700N	1
3100E 1650N	1
3100E 1600N	1
3100E 1550N	3
3100E 1500N	1
3100E 1400N	3
3100E 1350N	1
3100E 1300N	1
3100E 1250N	1
3100E 1200N	3
3100E 1150N	1
3100E 1100N	1
3100E 1050N	1
3100E 1000N	1
3100E 950N	1
3100E 900N	1
3100E 850N	1
3100E 800N	1
3100E 700N	3
3100E 650N	3
3100E 600N	1
3200E 550N	3
3200E 500N	1
3200E 450N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
3200E 400N	4
3200E 350N	2
3200E 300N	3
3350E 250N	11
3500E 4000N	29
3500E 3950N	6
3500E 3900N	4
3500E 3750N	9
3500E 3700N	5
3500E 3650N	2
3500E 3600N	4
3500E 3550N	2
3500E 3500N	3
3500E 3450N	1
3500E 3400N	1
3500E 3350N	1
3500E 3300N	1
3500E 3250N	3
3500E 3200N	4
3500E 3150N	3
3500E 3100N	1
3500E 3050N	4
3500E 3000N	2
3500E 2950N	1
3500E 2900N	1
3500E 2850N	1
3500E 2800N	6
3500E 2750N	1
3500E 2700N	6
3500E 2650N	1
3500E 2600N	4
3500E 2550N	1
3500E 2500N	4
3500E 2450N	6
3500E 2400N	3
3500E 2300N	4
STANDARD AU-S	46

SAMPLE#	AU* ppb
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3500E 2250N	7
3500E 2200N	5
3500E 2150N	1
3500E 2100N	1
3500E 2050N	2
3500E 2000N	1
3500E 1950N	2
3500E 1900N	1
3500E 1850N	2
3500E 1800N	2
3500E 1750N	1
3500E 1700N	3
3500E 1650N	1
3500E 1600N	1
3500E 1550N	1
3500E 1500N	1
3500E 1450N	2
3500E 1400N	2
3500E 1350N	2
3500E 1300N	1
3500E 1250N	2
3500E 1210N	1
3500E 1100N	3
3500E 1050N	1
3500E 1000N	4
3500E 950N	1
3500E 900N	1
3500E 850N	3
3500E 800N	3
3500E 750N	1
3500E 700N	1
3500E 650N	3
3500E 600N	1
3500E 550N	4
3500E 500N	1
3500E 450N	3
STANDARD AU-S	51

SAMPLE#	AU* ppb
---------	------------

3500E 400N	2
3500E 350N	3
3500E 300N	1
3500E 250N	1
3500E 200N	1
3500E 000N	1
3550E 200N	1
3550E 150N	1
3550E 100N	1
3550E 050N	1
3900E 4000N	1
3900E 3950N	1
3900E 3850N	1
3900E 3800N	1
3900E 3750N	1
3900E 3700N	1
3900E 3650N	1
3900E 3600N	1
3900E 3550N	1
3900E 3500N	2
3900E 3400N	2
3900E 3350N	1
3900E 3250N	1
3900E 3200N	5
3900E 3150N	2
3900E 3100N	2
3900E 3050N	2
3900E 3000N	1
3900E 2950N	1
3900E 2900N	2
3900E 2850N	4
3900E 2800N	2
3900E 2750N	1
3900E 2700N	1
3900E 2650N	1
3900E 2600N	9
STANDARD AU-S	49

SAMPLE#	AU* ppb
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3900E 2550N	5
3900E 2500N	11
3900E 2450N	5
3900E 2400N	7
3900E 2350N	9
3900E 2300N	1
3900E 2250N	9
3900E 2200N	1
3900E 2150N	3
3900E 2100N	3
3900E 2050N	1
3900E 2000N	5
3900E 1950N	7
3900E 1900N	1
3900E 1850N	1
3900E 1800N	1
3900E 1750N	1
3900E 1700N	7
3900E 1650N	3
3900E 1600N	2
3900E 1550N	1
3900E 1500N	1
3900E 1450N	2
3900E 1400N	1
3900E 1350N	2
3900E 1300N	1
3900E 1250N	1
3900E 850N	2
3900E 800N	1
3900E 750N	1
3900E 700N	1
3900E 650N	1
3900E 600N	1
3900E 400N	1
3900E 350N	1
3900E 300N	2
STANDARD AU-S	47

SAMPLE#	AU* ppb
3900E 250N	1
3900E 200N	2
3900E 150N	1
3900E 100N	4
3900E 050N	4
3900E 000N	7
6300E 4000N	4
6300E 3950N	3
6300E 3900N	130
6300E 3850N	8
6300E 3800N	2
6300E 3750N	2
6300E 3700N	3
6300E 3650N	2
6300E 3600N	14
6300E 3550N	1
6300E 3500N	3
6300E 3450N	3
6300E 3400N	1
6300E 3350N	1
6300E 3300N	4
6300E 3250N	3
6300E 3200N	3
6300E 3150N	4
6300E 3100N	1
6300E 3000N	4
6300E 2950N	5
6300E 2900N	2
6300E 2850N	5
6300E 2800N	2
6300E 2750N	4
6300E 2700N	2
6300E 2650N	1
6300E 2600N	2
6300E 2550N	1
6300E 2400N	1
STANDARD AU-S	52

SAMPLE#	AU* ppb
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6300E 2350N	10
6300E 2300N	3
6300E 2250N	1
6300E 2200N	3
6300E 2150N	3
6300E 2100N	2
6300E 2050N	2
6300E 2000N	2
6300E 1950N	1
6300E 1900N	1
6300E 1850N	1
6300E 1800N	1
6300E 1750N	5
6300E 1700N	1
6300E 1650N	2
6300E 1600N	2
6300E 1550N	1
6350E 1500N	1
6350E 1450N	1
6350E 1400N	2
6350E 1350N	4
6350E 1300N	1
6300E 1250N	1
6300E 1200N	1
6300E 1150N	1
6300E 1100N	3
6300E 1050N	1
6300E 1000N	1
6300E 950N	5
6300E 900N	2
6300E 850N	2
6300E 800N	1
6300E 750N	6
6300E 700N	2
6300E 650N	1
6300E 600N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
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6300E 550N	1
6300E 350N	4
6300E 300N	1
6300E 250N	4
6300E 200N	2
6300E 150N	1
6300E 100N	3
6300E 050N	1
6300E 000N	4
6700E 3700N	4
6700E 3650N	2
6700E 3600N	4
6700E 3550N	2
6700E 3500N	2
6700E 3450N	3
6700E 3400N	1
6700E 3350N	2
6700E 3300N	1
6700E 3250N	1
6700E 3150N	3
6700E 3100N	1
6700E 3050N	1
6700E 2950N	1
6700E 2900N	1
6700E 2850N	1
6700E 2800N	2
6700E 2750N	1
6700E 2700N	3
6700E 2650N	2
6700E 2600N	2
6700E 2550N	2
6700E 2500N	2
6700E 2400N	1
6700E 2350N	2
6700E 2300N	1
6700E 2250N	1
STANDARD AU-S	49



SAMPLE#	AU* ppb
6700E 2200N	6
6700E 2100N	2
6700E 2050N	1
6700E 2000N	4
6700E 1950N	3
6700E 1900N	2
6700E 1850N	2
6700E 1800N	2
6700E 1750N	2
6700E 1700N	2
6700E 1650N	2
6700E 1600N	2
6700E 1550N	8
6700E 1500N	1
6700E 1450N	3
6700E 1400N	2
6700E 1350N	1
6700E 1300N	2
6700E 1250N	4
6700E 1200N	1
6700E 1150N	1
6700E 1100N	2
6700E 1050N	3
6700E 1000N	9
6700E 900N	2
6700E 850N	9
6700E 750N	16
6700E 700N	7
6700E 650N	1
6700E 600N	5
6700E 550N	2
6700E 500N	1
6700E 450N	1
6700E 350N	6
6700E 250N	6
6700E 200N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
6700E 150N	2
6700E 100N	7
6700E 050N	1
6700E 000N	1
7100E 3750N	1
7100E 3700N	1
7100E 3650N	6
7100E 3600N	1
7100E 3550N	3
7100E 3500N	1
7100E 3450N	3
7100E 3400N	2
7100E 3350N	4
7100E 3300N	2
7100E 3250N	14
7100E 3200N	4
7100E 3100N	2
7100E 3050N	1
7100E 3000N	3
7100E 2950N	1
7100E 2900N	2
7100E 2850N	7
7100E 2800N	1
7100E 2750N	1
7100E 2700N	1
7100E 2650N	3
7100E 2600N	1
7100E 2550N	1
7100E 2500N	1
7100E 2450N	2
7100E 2400N	2
7100E 2350N	1
7100E 2300N	3
7100E 2250N	1
7100E 2200N	1
7100E 2150N	1
STANDARD AU-S	48

SAMPLE#	AU* ppb
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7100E 2100N	4
7100E 2050N	1
7100E 2000N	1
7100E 1950N	7
7100E 1900N	1
7100E 1850N	1
7100E 1800N	1
7100E 1750N	3
7100E 1700N	1
7100E 1650N	8
7100E 1600N	5
7100E 1500N	1
7100E 1450N	2
7100E 1400N	2
7100E 1350N	4
7100E 1300N	1
7100E 1150N	1
7100E 1100N	4
7100E 1050N	1
7100E 1000N	1
7100E 950N	1
7100E 900N	1
7100E 850N	1
7100E 800N	1
7100E 750N	1
7100E 700N	1
7100E 650N	1
7100E 600N	1
7100E 550N	1
7100E 500N	1
7100E 450N	1
7100E 400N	1
7100E 350N	1
7100E 250N	2
7100E 200N	4
7100E 150N	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
7100E 100N	3
7100E 050N	5
7100E 000N	1
7250E 4000N	1
7250E 3950N	1
7250E 3900N	1
7250E 3850N	1
7250E 3800N	3
7400E 3800N	1
7400E 3750N	1
7400E 3700N	1
7400E 3650N	3
7400E 3600N	2
7400E 3550N	1
7400E 3500N	1
7400E 3450N	2
7400E 3400N	1
7400E 3350N	1
7400E 3300N	1
7400E 3250N	6
7400E 3200N	3
7400E 3170N	2
7400E 3100N	1
7400E 3050N	4
7400E 3000N	2
7400E 2960N	5
7400E 2850N	2
7400E 2800N	1
7400E 2750N	2
7400E 2700N	1
7400E 2650N	1
7500E 2600N	9
7500E 2550N	4
7500E 2500N	4
7500E 2450N	2
7500E 2400N	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
7500E 2350N	3
7500E 2300N	6
7500E 2250N	2
7500E 2200N	4
7500E 2150N	2
7500E 2100N	4
7500E 2050N	1
7500E 2000N	1
7500E 1950N	1
7500E 1900N	2
7500E 1850N	2
7500E 1800N	1
7500E 1750N	7
7500E 1700N	3
7500E 1650N	1
7500E 1600N	3
7500E 1550N	1
7500E 1500N	1
7500E 1450N	1
7500E 1400N	1
7500E 1350N	5
7500E 1300N	3
7500E 1250N	4
7500E 1200N	3
7500E 1150N	1
7500E 1050N	1
7500E 1000N	4
7500E 950N	1
7500E 900N	3
7500E 850N	1
7500E 800N	4
7500E 750N	3
7500E 700N	2
7500E 650N	7
7500E 600N	2
7500E 550N	4
STANDARD AU-S	49

SAMPLE#	AU* ppb
7500E 500N	6
7500E 450N	3
7500E 350N	1
7500E 300N	2
7500E 250N	1
7500E 200N	3
7500E 150N	1
7500E 050N	1
7500E 000N	5
7900E 2000N	2
7900E 1950N	1
7900E 1900N	4
7900E 1850N	2
7900E 1800N	2
7900E 1750N	1
7900E 1700N	1
7900E 1650N	1
7900E 1600N	5
7900E 1550N	2
7900E 1500N	2
7900E 1450N	1
7900E 1400N	1
7900E 1350N	2
7900E 1300N	1
7900E 1250N	2
7900E 1200N	3
7900E 1150N	2
7900E 1100N	4
7900E 1050N	1
7900E 1000N	1
7900E 950N	3
7900E 880N	4
7900E 850N	5
7900E 800N	2
7900E 750N	2
7900E 700N	3
STANDARD AU-S	48

SAMPLE# AU\*  
ppb

7900E 665N	7
7900E 500N	4
7900E 450N	3
7900E 400N	3
7900E 350N	1
7900E 300N	1
7900E 250N	3
7900E 200N	2
7900E 150N	3
7900E 100N	1
7900E 050N	3
8000E 3000N	3
8000E 2950N	3
8000E 2900N	2
8000E 2850N	1
8000E 2800N	1
8000E 2750N	3
8000E 2700N	1
8000E 2650N	1
8000E 2600N	2
8000E 2550N	1
8000E 2500N	1
8000E 2450N	1
8000E 2400N	1
8000E 2350N	4
8000E 2300N	2
8000E 2250N	1
8000E 2200N	1
8000E 2150N	1
8000E 2100N	3
8000E 2050N	2
8000E 2000N	1
8300E 4000N	1
8300E 3950N	4
8300E 3900N	2
8300E 3850N	1
STANDARD AU-S	49

SAMPLE#	AU* ppb
8300E 3800N	7
8300E 3750N	3
8300E 3700N	3
8300E 3650N	1
8300E 3600N	2
8300E 3550N	3
8300E 3500N	2
8300E 3450N	2
8300E 3400N	3
8300E 3350N	2
8300E 3300N	3
8300E 3250N	2
8300E 3200N	1
8300E 3150N	3
8300E 3100N	3
8300E 3050N	2
8300E 3000N	1
8300E 2950N	2
8300E 2900N	2
8300E 2850N	2
8300E 2800N	2
8300E 2750N	4
8300E 2700N	2
8300E 2650N	4
8300E 2600N	1
8300E 2550N	85
8300E 2500N	5
8300E 2450N	2
8300E 2400N	9
8300E 2350N	7
8300E 2300N	1
8300E 2250N	2
8300E 2200N	3
8300E 2150N	2
8300E 2100N	3
8300E 2050N	2
STANDARD AU-S	46



SAMPLE#	AU* ppb
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8300E 2000N	4
8300E 1950N	1
8300E 1900N	1
8300E 1850N	1
8300E 1800N	2
8300E 1750N	1
8300E 1700N	1
8300E 1650N	1
8300E 1600N	3
8300E 1550N	1
8300E 1500N	1
8300E 1450N	1
8300E 1400N	3
8300E 1350N	1
8300E 1300N	1
8300E 1250N	5
8300E 1200N	1
8300E 1150N	2
8300E 1100N	6
8300E 900N	2
8300E 850N	1
8300E 800N	1
8300E 750N	1
8300E 700N	1
8300E 650N	1
8300E 600N	1
8300E 550N	1
8300E 500N	1
8300E 450N	1
8300E 400N	3
8300E 350N	2
8300E 300N	1
8300E 250N	1
8300E 200N	1
8300E 150N	1
8300E 100N	1
STANDARD AU-S	46

SAMPLE#	AU* ppb
8300E 050N	4
8300E 000N	7
8500E 3500N	9
8500E 3450N	2
8500E 3400N	1
8500E 3350N	1
8500E 3300N	1
8500E 3250N	2
8500E 3200N	4
8500E 3150N	2
8500E 3100N	1
8500E 3050N	2
8500E 3000N	2
8500E 2950N	1
8500E 2900N	2
8500E 2850N	3
8500E 2800N	5
8500E 2750N	3
8500E 2700N	1
8500E 2650N	1
8500E 2600N	1
8700E 2600N	1
8700E 2550N	3
8700E 2500N	2
8700E 2450N	3
8700E 2400N	24
8700E 2350N	1
8700E 2300N	4
8700E 2250N	3
8700E 2200N	3
8700E 2150N	1
8700E 2100N	3
8700E 2050N	1
8700E 2000N	1
8700E 1950N	17
8700E 1900N	2
STANDARD AU-S	49

SAMPLE#	AU* ppb
8700E 1850N	5
8700E 1800N	1
8700E 1750N	18
8700E 1700N	7
8700E 1650N	4
8700E 1600N	1
8700E 1550N	3
8700E 1500N	1
8700E 1450N	2
8700E 1400N	2
8700E 1200N	1
8700E 1150N	1
8700E 1100N	4
8700E 1050N	1
8700E 1000N	5
8700E 950N	3
8700E 900N	2
8700E 850N	3
8700E 800N	2
8700E 750N	3
8700E 700N	1
8700E 650N	1
8700E 600N	1
8700E 550N	2
8700E 500N	5
8700E 450N	1
8700E 400N	5
8700E 350N	4
8700E 300N	4
8700E 250N	4
8700E 200N	3
8700E 150N	1
8700E 100N	3
8700E 050N	1
8700E 000N	1
9100E 3150N	5
STANDARD AU-S	49

SAMPLE#	AU* ppb
9100E 3100N	5
9100E 3050N	7
9100E 3000N	1
9100E 2950N	1
9100E 2900N	5
9100E 2850N	2
9100E 2800N	2
9100E 2750N	5
9100E 2700N	1
9100E 2650N	1
9100E 2600N	3
9100E 2550N	1
9100E 2500N	1
9100E 2450N	3
9100E 2400N	1
9100E 2350N	2
9100E 2300N	2
9100E 2250N	2
9100E 2200N	1
9100E 2150N	1
9100E 2100N	2
9100E 2050N	1
9100E 1950N	1
9100E 1900N	1
9100E 1850N	1
9100E 1800N	1
9100E 1750N	1
9100E 1700N	1
9100E 1650N	1
9100E 1600N	1
9100E 1550N	8
9100E 1400N	1
9100E 1300N	2
9100E 1250N	1
9100E 1200N	4
9100E 1150N	1
STANDARD AU-S	50

SAMPLE#	AU* ppb
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9100E 1100N	3
9100E 1050N	2
9100E 1000N	1
9100E 950N	1
9100E 900N	14
9100E 850N	2
9100E 800N	3
9100E 750N	1
9100E 700N	2
9100E 650N	1
9100E 600N	3
9100E 550N	1
9100E 500N	1
9100E 450N	1
9100E 400N	1
9100E 350N	1
9100E 300N	1
9100E 250N	4
9100E 200N	1
9100E 100N	1
9100E 050N	2
9100E 000N	2
9500E 4000N	3
9500E 3950N	3
9500E 3900N	2
9500E 3850N	1
9500E 3800N	9
9500E 3750N	1
9500E 3700N	2
9500E 3650N	7
9500E 3600N	1
9500E 3550N	1
9500E 3500N	2
9500E 3450N	1
9500E 3400N	2
9500E 3350N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
9500E 3300N	1
9500E 3250N	2
9500E 3200N	1
9500E 3150N	3
9500E 3100N	1
9500E 3050N	7
9500E 3000N	1
9500E 2950N	2
9500E 2900N	2
9500E 2850N	1
9500E 2750N	3
9500E 2700N	1
9500E 2650N	1
9500E 2600N	1
9500E 2550N	1
9500E 2500N	2
9500E 2450N	1
9500E 2400N	3
9500E 2350N	1
9500E 2300N	2
9500E 2250N	3
9500E 2200N	1
9500E 2150N	1
9500E 2100N	5
9500E 2050N	1
9500E 2000N	1
9500E 1950N	1
9500E 1900N	1
9500E 1850N	1
9500E 1800N	16
9500E 1650N	3
9500E 1600N	1
9500E 1550N	2
9500E 1500N	4
9500E 1450N	1
9500E 1400N	2
STANDARD AU-S	48

SAMPLE#	AU* ppb
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9500E 1350N	1
9500E 1300N	1
9500E 1250N	2
9500E 1200N	1
9500E 1150N	2
9500E 1100N	1
9500E 1050N	2
9500E 1000N	1
9500E 950N	2
9500E 900N	1
9500E 850N	31
9500E 800N	3
9500E 750N	1
9500E 700N	1
9500E 650N	1
9500E 600N	1
9500E 550N	2
9500E 500N	1
9500E 450N	2
9500E 400N	1
9500E 350N	2
9500E 300N	8
9500E 250N	14
9500E 200N	1
9500E 150N	1
9500E 100N	3
9500E 050N	2
9500E 000N	3
9900E 3950N	8
9900E 3900N	3
9900E 3850N	3
9900E 3800N	2
9900E 3750N	1
9900E 3700N	1
9900E 3600N	1
9900E 3550N	1
STANDARD AU-S	47

SAMPLE#	AU* ppb
9900E 3500N	3
9900E 3450N	1
9900E 3400N	1
9900E 3350N	3
9900E 3300N	2
9900E 3250N	1
9900E 3200N	1
9900E 3150N	1
9900E 3100N	1
9900E 3050N	1
9900E 3000N	1
9900E 2950N	1
9900E 2900N	1
9900E 2850N	1
9900E 2800N	2
9900E 2750N	2
9900E 2700N	1
9900E 2650N	1
9900E 2600N	1
9900E 2550N	1
9900E 2500N	1
9900E 2450N	1
9900E 2400N	6
9900E 2350N	3
9900E 2300N	2
9900E 2250N	3
9900E 2200N	8
9900E 2150N	1
9900E 2100N	1
9900E 2050N	2
9900E 2000N	1
9900E 1950N	2
9900E 1750N	2
9900E 1700N	1
9900E 1650N	1
9900E 1600N	1
STANDARD AU-S	46



SAMPLE#	AU* ppb
9900E 1550N	2
9900E 1500N	2
9900E 1450N	2
9900E 1400N	2
9900E 1350N	1
9900E 1300N	1
9900E 1250N	2
9900E 1200N	1
9900E 1150N	5
9900E 1100N	2
9900E 1050N	4
9900E 1000N	1
9900E 950N	1
9900E 900N	2
9900E 850N	2
9900E 800N	2
9900E 750N	1
9900E 700N	1
9900E 650N	1
9900E 600N	1
9900E 550N	1
9900E 500N	1
9900E 450N	3
9900E 350N	2
9900E 300N	1
9900E 250N	2
9900E 200N	3
9900E 150N	2
9900E 050N	1
9900E 000N	1
STANDARD AU-S	47

## GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT KING FILL IN #5 FILE # 91-2802 Page 1

1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: MARK STEINER

SAMPLE#	AU* ppb
1750E 3450N	13.6
1750E 3400N	3.9
1750E 3350N	1.0
1750E 2650N	4.6
1750E 2600N	.9
1750E 2550N	1.0
1800E 3450N	.2
1800E 3400N	.5
1800E 3350N	1.0
1800E 2650N	.3
1800E 2600N	2.3
1800E 2550N	2.3
1850E 3450N	4.4
1850E 3400N	.2
1850E 3350N	.9
1850E 2650N	.6
1850E 2600N	3.8
1850E 2550N	.9
1950E 3450N	1.2
1950E 3400N	19.6
1950E 3350N	4.2
1950E 2650N	4.3
1950E 2600N	1.3
1950E 2550N	3.7
2000E 2650N	.5
2000E 2600N	.6
2000E 2550N	1.1
2050E 2650N	2.2
2050E 2600N	1.3
2050E 2550N	.2
2750E 3740N	1.3
2750E 3700N	.2
2750E 3650N	.6
2800E 3750N	.3
2800E 3700N	1.6
2800E 3650N	.2
STANDARD AU-S	52.4

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

DATE RECEIVED: JUL 23 1991

DATE REPORT MAILED: July 27/91.

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

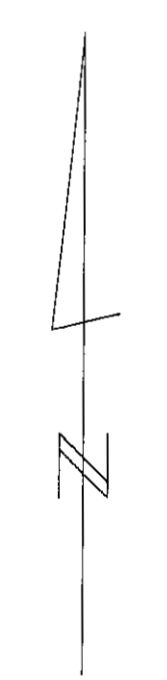
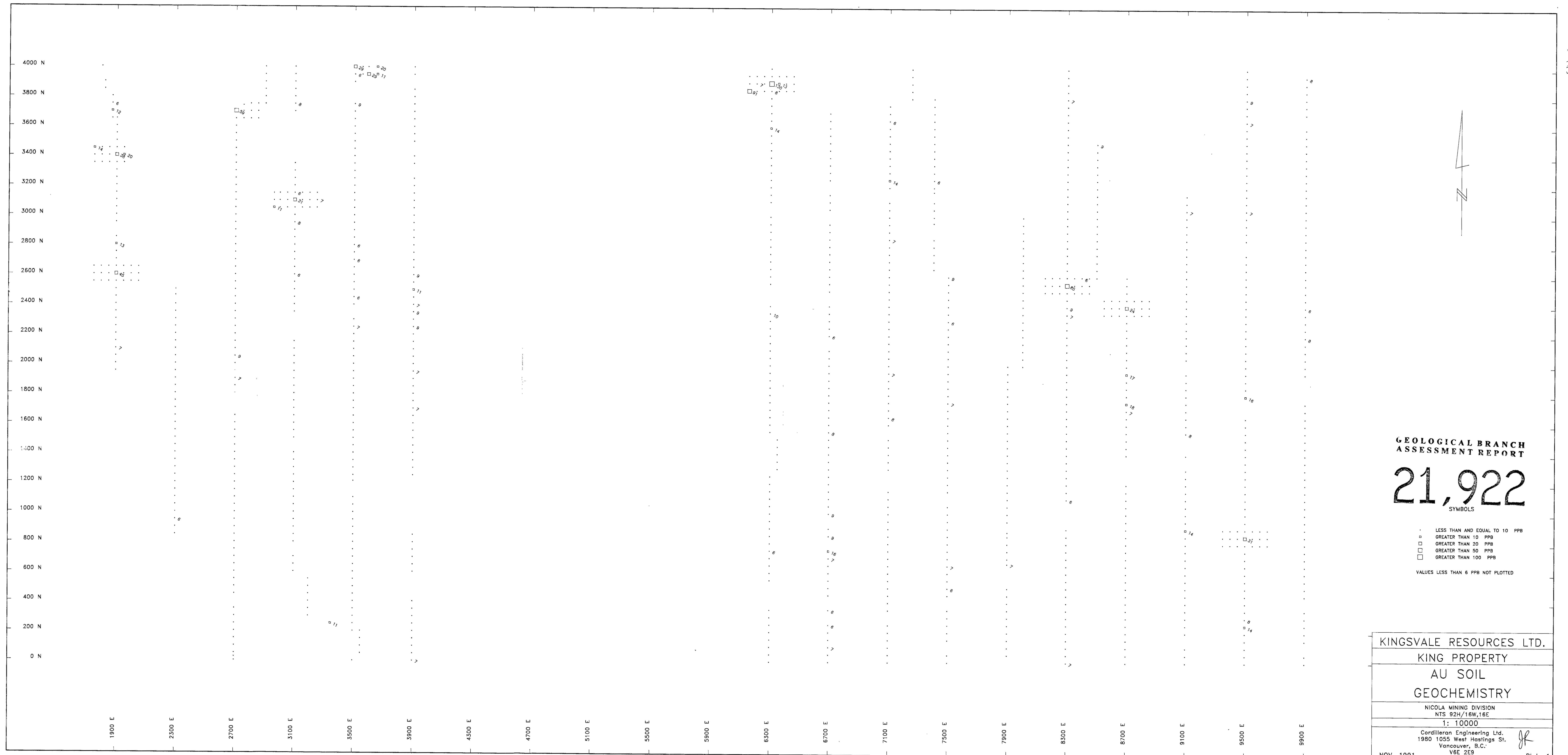
RECEIVED

JUL 24 1991

SAMPLE#	AU* ppb
2850E 3750N	2.6
2850E 3700N	1.6
2850E 3650N	2.0
2960E 3150N	3.1
2960E 3100N	.2
2960E 3050N	10.6
3000E 3150N	1.1
3000E 3100N	1.5
3000E 3050N	1.2
3050E 3150N	.2
3050E 3100N	2.1
3050E 3050N	.2
3150E 3150N	.6
3150E 3100N	1.0
3150E 3050N	.8
3200E 3150N	.9
3200E 3100N	1.4
3200E 3050N	1.8
3250E 3150N	1.3
3250E 3100N	6.9
3250E 3050N	.3
3550E 4000N	.2
3550E 3950N	1.1
3590E 4000N	1.5
3590E 3950N	29.3
3650E 4000N	19.6
3650E 3950N	11.1
6150E 3950N	1.3
6150E 3900N	1.3
6150E 3850N	90.9
6200E 3950N	3.7
6200E 3900N	6.6
6200E 3850N	1.5
6250E 3950N	1.2
6250E 3900N	1.3
6250E 3850N	1.2
STANDARD AU-S	51.3

SAMPLE#	AU* ppb
6350E 3950N	4.8
6350E 3900N	12.6
6350E 3850N	.2
6400E 3950N	2.4
6400E 3900N	3.7
6400E 3850N	.5
6450E 3950N	.8
6450E 3900N	1.4
6450E 3850N	.5
8150E 2600N	.8
8150E 2550N	1.2
8150E 2500N	.4
8200E 2600N	1.4
8200E 2550N	2.4
8200E 2500N	2.4
8250E 2600N	.5
8250E 2550N	.8
8250E 2500N	.9
8350E 2600N	1.2
8350E 2550N	2.5
8350E 2500N	5.7
8400E 2600N	6.1
8400E 2550N	3.5
8400E 2500N	.2
8450E 2600N	2.2
8450E 2550N	1.3
8450E 2500N	1.9
8550E 2450N	4.6
8550E 2400N	.2
8550E 2350N	1.6
8600E 2450N	.7
8600E 2400N	1.0
8600E 2350N	2.1
8650E 2450N	.7
8650E 2400N	3.7
8650E 2350N	5.7
STANDARD AU-S	46.7

SAMPLE#	AU* ppb
8750E 2450N	2.4
8750E 2400N	.5
8750E 2350N	2.2
8800E 2450N	.4
8800E 2400N	3.0
8800E 2350N	1.5
8850E 2450N	3.2
8850E 2400N	1.4
8850E 2350N	3.2
9350E 900N	1.6
9350E 850N	.7
9350E 800N	2.8
9400E 900N	.6
9400E 850N	2.7
9400E 800N	3.3
9450E 900N	.6
9450E 850N	.7
9450E 800N	1.7
9550E 900N	1.7
9550E 850N	.3
9550E 800N	3.4
9600E 900N	2.3
9600E 850N	1.7
9600E 800N	4.6
9650E 900N	1.8
9650E 850N	.2
9650E 800N	.3
STANDARD AU-S	52.3



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**21,922**  
SYMBOLS

- LESS THAN AND EQUAL TO 10 PPB
- ◻ GREATER THAN 10 PPB
- ◻ GREATER THAN 20 PPB
- ◻ GREATER THAN 50 PPB
- ◻ GREATER THAN 100 PPB

VALUES LESS THAN 6 PPB NOT PLOTTED

KINGSDALE RESOURCES LTD.	
KING PROPERTY	
AU SOIL GEOCHEMISTRY	
NICOLA MINING DIVISION NTS 92H/16W,16E 1: 10000	
Cardilleran Engineering Ltd. 1980 1055 West Hastings St. Vancouver, B.C. V6E 2E9	
NOV. 1991	Plate 1