ARIS SUMMARY SHEET

District Geologist, Kamloops Off Confidential: 92.08.21

ASSESSMENT REPORT 21920 MINING DIVISION: Similkameen

PROPERTY: Vale
LOCATION: LAT 49 41 00 LONG 120 22 00
UTM 10 5506533 689955
NTS 092H09W
CLAIM(S): Vale 1,Vale 7,Vale 9,Vale 13
OPERATOR(S): Kingsvale Res.
AUTHOR(S): Rowe, J.
REPORT YEAR: 1991, 24 Pages
COMMODITIES
SEARCHED FOR: Gold
KEYWORDS: Jurassic,Osprey Lake batholith,Granites,Triassic,Andesites
Shear zones,Pyrite,Chalcopyrite
WORK
DONE: Geochemical
SOIL 912 sample(s) ;AU
Map(s) - 2; Scale(s) - 1:10 000

1991 GEOCHEMICAL REPORT
ON THE VALE 1-14 MINERAL CLAIMS

Similkameen Mining Division, B.C.
NTS: 92H/9W
Lat. 49 deg.41'N, Long. 120 deg.22'W

December, 1991 (BC Assessment Report)

Report Distribution

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

1991

GEOCHEMICAL REPORT

ON THE

VALE 1-14 MINERAL CLAIMS

Similkameen Mining Division, B.C.
NTS: 92H/9W
Lat. 49 deg.41'N, Long. 120 deg.22'W

For

KINGSVALE RESOURCES LTD.
Vancouver, British Columbia

By

J. D. Rowe, B.Sc.

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

December, 1991

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(in pocket)

1.0 SUMMARY AND CONCLUSIONS

The Vale property, located 25 kilometres northwest of Princeton, B.C., comprises 14 claims (185 units) in the Similkameen 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.

The Princeton-Summerland hard surface road cuts the southeastern claims and numerous logging roads provide excellent access. The claims cover a plateau and south-facing slope containing several ponds and two major south-flowing creeks which occupy steep-sided canyons. Bedrock exposure is moderate, largely along creeks and road cuts.

Previous work in the area has included advanced exploration programs on volcanic-hosted, porphyry style, copper-gold deposits to the northwest and southwest of Vale. Sixteen kilometres to the north, on the Elk property, a high-grade vein system contains a drill indicated reserve 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 geological environment at Vale is similar to that on the nearby Elk property. It is unerlain predominantly by granitic batholith in contact, on the northwest edge of the claims, with andesitic volcanic rocks.

Fractured, altered granite cut locally by pyritic quartz veinlets was observed at various points on the property. Three grab samples of such material returned moderate base metal and silver values, however gold values were low.

The 1991 program consisted of wide-spaced (400m x 50m) grid soil sampling over approximately 40 percent of the property for a total of 912 samples. These were analyzed for gold and brief follow-up prospecting was undertaken on some of the defined geochemical anomalies.

One large, significant gold anomaly and several single point anomalies were identified by the initial "first pass" sampling. Trends are not well defined with 400 metre intervals between lines, however, possible northeast-striking gold veins are suggested by the anomalous patterns. A topographic lineament containing local altered granite outcrop trends northeasterly near the main geochemical feature. Additional sampling is required to better define anomalous trends and to test the remainder of the property. Further exploration is warranted.

****

2.0 RECOMMENDATIONS

Wide-spaced (400m x 50m) soil sampling should be continued to test the remainder of the property for gold. A total of 1400 samples is estimated.

Fill-in sampling (50m x 50m) should be conducted around stations with values greater than 20 ppb gold to better define potential anomalous trends. A total of 1000 samples is estimated.

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

December, 1991

****

3.0 INTRODUCTION

3.1 LOCATION AND PHYSIOGRAPHY (Figure 1)

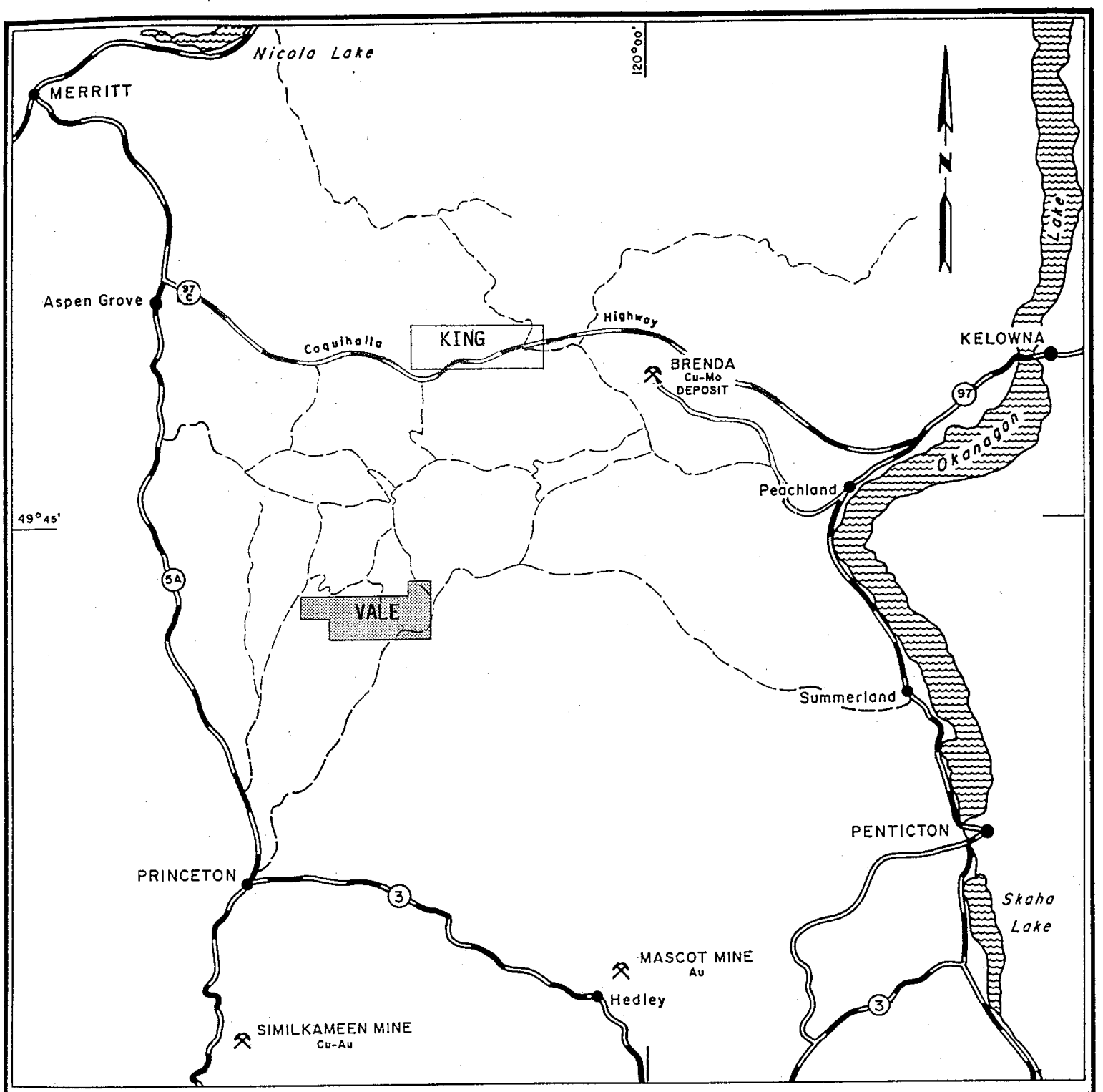
The Vale property is located 25 kilometres northwest of Princeton in south-central British Columbia (Figure 1). It is centered on latitude 49 degrees 41' N and longitude 120 degrees 22 'W within NTS Map area 92H/9W. Access to the property is via the paved Princeton-Summerland road to Chain Lake and then via various logging roads which extend northward across the claims.

The claims cover approximately 46 square kilometres on a plateau and south facing slope. Elevations range from 950m to 1500m above sea level. Several small lakes and ponds are scattered on the plateau and two medium-size creeks, Siwash and Spukunne, flow southerly across the claims through steep-sided, deep canyons. The broader valley of Hayes Creek and Chain Lake extends along the eastern and southern property boundary.

Mature forest cover consists of pine, fir, spruce and balsam. Many large clear cut blocks have been recently logged on various parts of the property, totalling approximately 35 percent of the area. Logging roads provide access and new bedrock exposures. Property-wide, bedrock exposure is moderate, concentrated along steep creek canyons. Glacial till cover is widespread but generally shallow. 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 Vale 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, 1990 and are 100 percent owned by Kingsvale Resources Ltd.



KINGSVALE RESOURCES LTD.

PROPERTY LOCATION MAP

SOUTHERN BRITISH COLUMBIA

OKANAGAN AREA, NTS 82E/92H

0 10 20 30 Kilometres

0 10 20 Miles

SCALE 1:500,000

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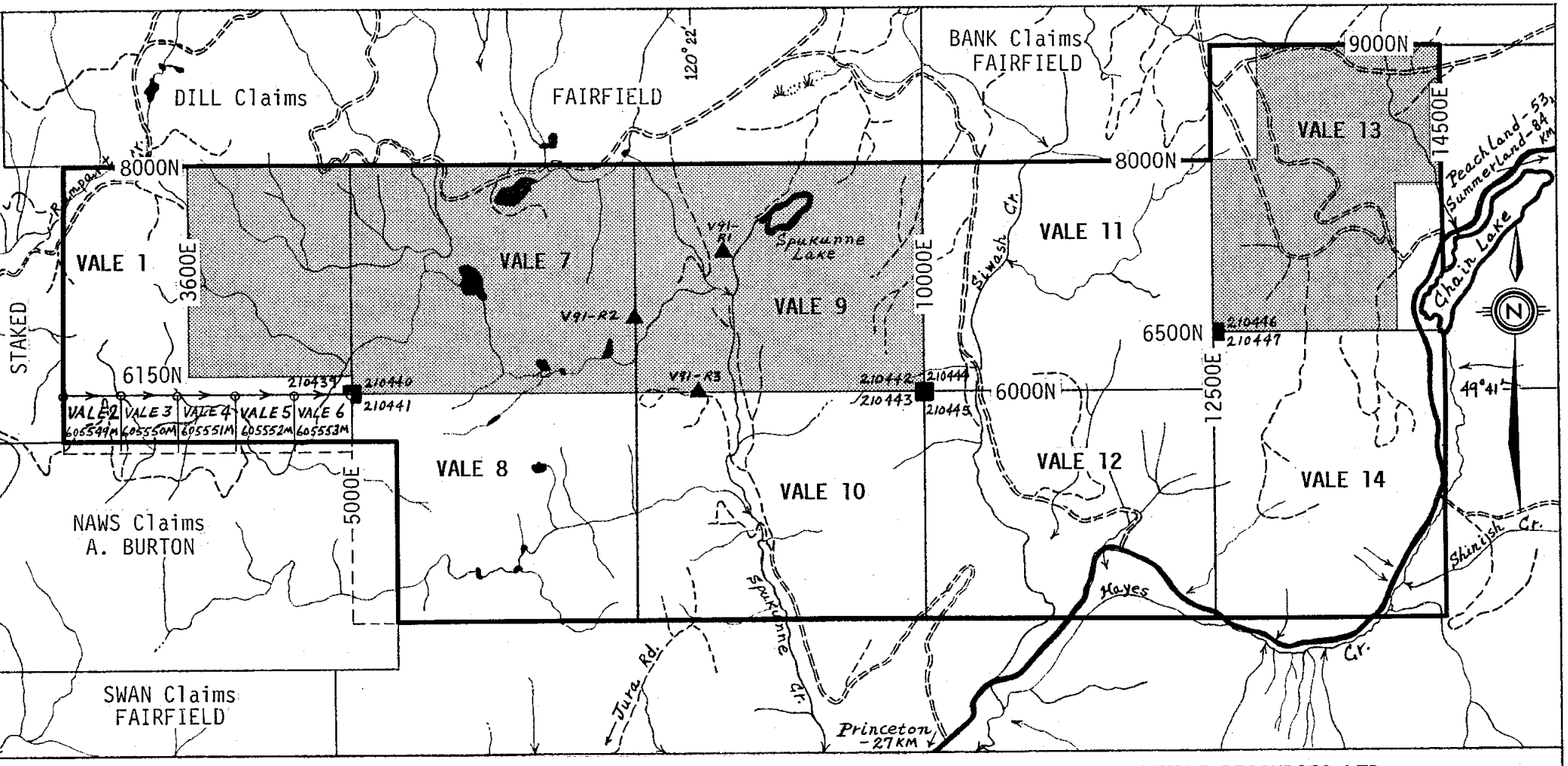
VANCOUVER, B.C. V6E 2E9

November 1991

FIGURE 1



LEGEND

- 210440 — Legal Corner and Tag Number of 4-Post Mineral Claim
- 605551M → — Initial and Final Posts, Location Line Direction and Tag Number of 2-Post Mineral Claim.
- Princeton-Summerland Hard Surface Road
- Forestry Access Roads, Trails
- 1991 Soil Geochemical Survey Areas
- ▲ Reconnaissance Rock Sample Site (Refer to Table 2 for descriptions/results).

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VALE PROPERTY

CLAIM, GRID AND RECONNAISSANCE SAMPLE LOCATIONS

Similkameen Mining Division, B.C.
NTS: 92H/9W

Scale - 1:50,000

1000 0 1000 2000M

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

November, 1991 Figure 2

Table 1 Claim Status as at November 1991
Vale 1-14: Similkameen Mining Division, British Columbia

Claim	Units	Record No.	Expiry Date
Vale 1	20	3757	Aug 24, 1992
Vale 2	1	3758	Aug 23, 1992
Vale 3	1	3759	Aug 24, 1992
Vale 4	1	3760	Aug 24, 1992
Vale 5	1	3761	Aug 24, 1992
Vale 6	1	3762	Aug 24, 1992
Vale 7	20	3763	Aug 24, 1992
Vale 8	20	3764	Aug 25, 1992
Vale 9	20	3765	Aug 25, 1992
Vale 10	20	3766	Aug 25, 1992
Vale 11	20	3767	Aug 26, 1992
Vale 12	20	3768	Aug 26, 1992
Vale 13	20	3769	Aug 26, 1992
Vale 14	20	3770	Aug 27, 1992
	185 units		

3.3 HISTORY

There is no record of prior work being conducted within the Vale property area, however, considerable exploration has been undertaken on surrounding claims. On the Axe property, 5 kilometres to the southwest, drilling, trenching and drifting on copper mineralization was conducted in the 1970's by a variety of companies, including Cominco, Amax and Adonis Mines. A preliminary estimate in 1976 based on drill information reported unclassified reserves of 32 million tons grading 0.36% Cu. Five kilometres to the northwest of Vale, on the Dill property, Fairfield Minerals undertook diamond drilling in 1991 to test extensive low-grade copper-gold mineralization in volcanic rocks. Previous drilling, trenching, geochemistry and geophysics had been performed by a number of other companies. Sixteen kilometres north of Vale, on the Elk Property, high grade gold vein systems have been explored from 1986 to present by Fairfield Minerals Ltd. Geochemical and geophysical surveys, trenching and diamond drilling at Elk have revealed several gold-bearing structures, one of which contains a drill indicated reserve in excess of 200,000 ounces of gold with an average grade of 0.647 oz/ton Au over 6.6 feet true width. On the Bank property, adjoining Vale to the northeast, soil sampling and geophysics conducted by Fairfield in 1989-90 outlined several gold anomalies trending southwesterly toward the Vale claims.

The Vale claims were staked in 1990 to cover a geologically favourable area with potential to host structurally controlled high grade gold veins or porphyry style copper-gold deposits.

3.4 1991 EXPLORATION PROGRAM

The 1991 program consisted of widespread grid soil sampling (400m x 50m) on the Vale 1, 7, 9 and 13 claims to cover approximately 40 percent of the property. Geochemical anomalies were briefly prospected and three rock samples were collected from alteration zones with quartz veining.

****

4.0 GEOLOGY

4.1 REGIONAL GEOLOGY (Figure 3)

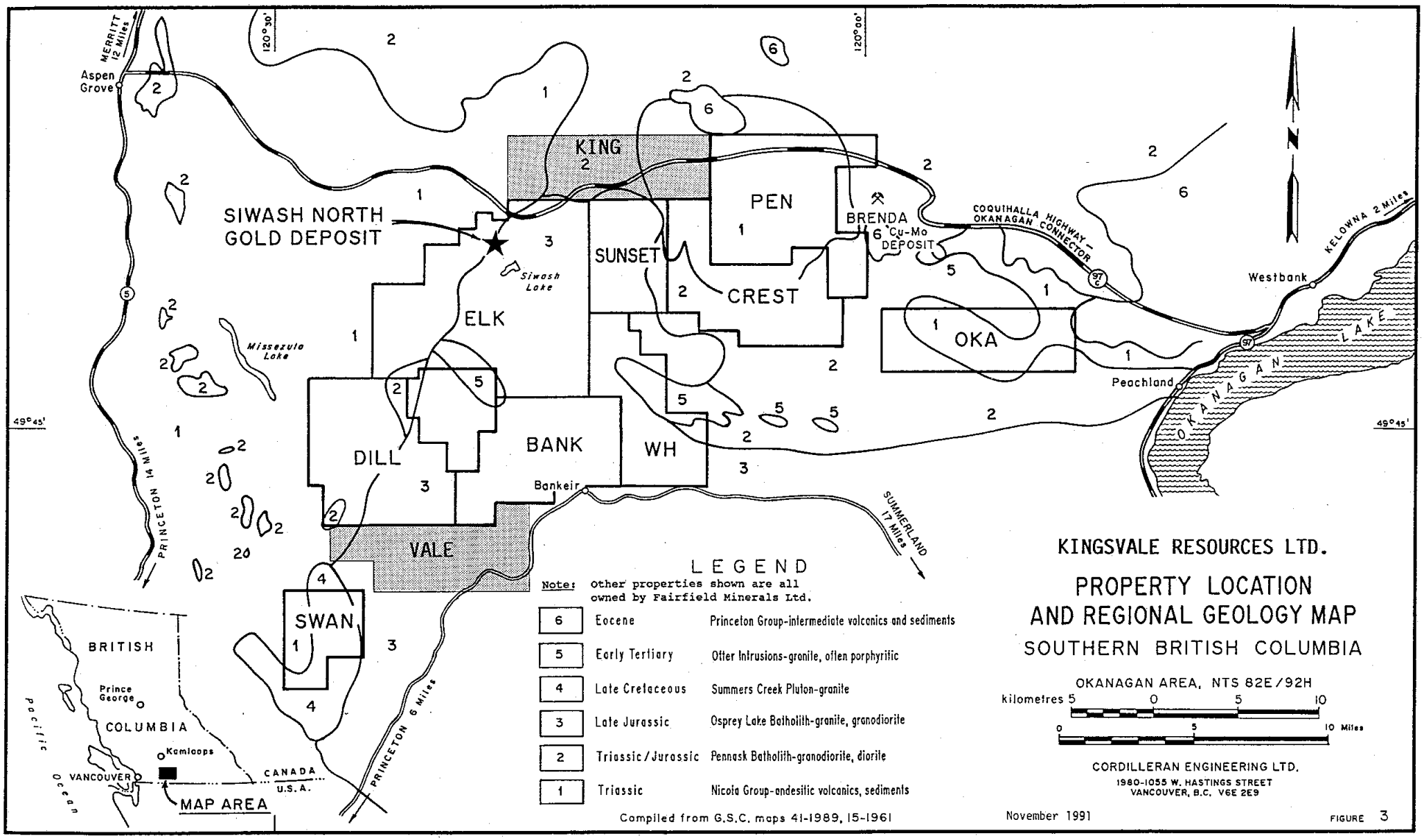
Regional geology in the area of the Vale property is illustrated on the northeast part of G.S.C. map 41-1989, Hope, mapped by J.W.H.Monger, 1989 which is condensed on Figure 3.

The claims are underlain predominantly by granite to granodiorite of the Late Jurassic Osprey Lake batholith in contact with Nicola Group andesitic volcanics of Late Triassic age exposed in the extreme northwest corner of the property. A Late Cretaceous granite pluton intrudes the western boundary of the Osprey Lake batholith directly south of the property.

4.2 PROPERTY GEOLOGY AND MINERALIZATION

The majority of outcrops on the Vale property consist of rounded, smooth-weathered, coarse, equigranular, pink granite. Weak to moderate jointing is common with local zones of shearing accompanied by argillic to phyllic alteration over widths of up to several metres and narrow quartz veins emplaced in some of the shears. Orange-weathering carbonate alteration with disseminated pyrite is also developed along some shears. A zone of intense argillic alteration with pinkish clay was noted along the main road south of Chain Lake. A large, rusty, carbonate alteration zone was observed in the bank of Spukunne Creek approximately 500 metres south of Spukunne Lake.

Siwash and Spukunne Creeks follow distinct north-south linear features which may be large fault zones. A northeast-trending lineament occupied by Hayes Creek intersects an east-west lineament followed by Trout Creek at a point near Chain Lake. A distinct bend in Hayes Creek south of Chain Lake may be caused by a fault offset of the Hayes Creek lineament. Less pronounced northeast-trending lineaments on the property are traced by small drainages and depressions. Regionally, significant gold-bearing structures are predominantly east to northeast-striking.



LEGEND

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

6	Eocene	Princeton Group-intermediate volcanics and sediments
5	Early Tertiary	Otter 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

KINGSVALE RESOURCES LTD.

PROPERTY LOCATION AND REGIONAL GEOLOGY MAP

SOUTHERN BRITISH COLUMBIA

OKANAGAN AREA, NTS 82E/92H

kilometres 5 0 5 10

0 5 10 Miles

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

November 1991

FIGURE 3

The geological setting at Vale is similar to that on the nearby Elk property where a gold-bearing quartz vein system cuts fractured granitic and volcanic rocks.

Three rock grab samples were collected during reconnaissance prospecting and examination of some of the soil geochemical gold anomalies. The rocks were all from altered granite cut by quartz stringers with disseminated pyrite and local chalcopyrite. Gold values were all low, however, two samples had elevated base metals and silver. Locations are shown on Figure 2 and descriptions are given in the following table.

Table 2: RECONNAISSANCE ROCK SAMPLES (1991)
Vale Property

Sample #	Type and Description	Analyses: Au-ppb, other elements-ppm					
		Au	Ag	Cu	Pb	Zn	As
V91-R1	Float grab/silicic, limonitic, hematitic -alt'd coarse granite w/pyritic qz stringers	16	4.2	72	194	79	93
V91-R2	Float grab/single, angular 5 cm fgmnt of Fe/Mn-alt'd granite w/pyritic qz stringers.	5	0.1	9	8	7	2
V91-R3	Outcrop + talus grabs/ silicic, potassic, sericitic-alt'd coarse red granite w/glassy qz vlts, masses carrying dissem py + cpy, limonite + malachite.	1	0.4	930	288	160	5

5.0 GEOCHEMISTRY

5.1 SAMPLING PROCEDURE

A total of 912 soil samples were collected from the Vale property in 1991 on a wide-spaced (400m x 50m) grid pattern. These lines were established in two areas of the property, covering the contact zone of the batholith and along projections of known gold geochemical anomalies located to the north. 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 at 400 metre spacings, using hip chain and compass, and the soil stations at 50m intervals were similarly identified with tags plus orange and blue flagging. 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 tested for gold content. Each sample was analyzed for gold by atomic absorption following aqua regia digestion and MIBK extraction from a 10 gram sample.

5.2 RESULTS (Plates 1 and 2; Table 2)

The 1991 gold soil geochemical results are plotted on Plates 1 and 2. Locations of the geochemical grids are keyed on Figure 2. Included on Figure 2 are the locations of reconnaissance rock samples collected in 1991. 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 the geochemical maps correspond to values $\leq$10, 11-20, 21-50, 51-100, >100 ppb Au. Results less than 5 ppb Au are not plotted as these are considered to be background, whereas 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 merit further exploration.

On the west grid (Plate 1) a significant gold anomaly was identified on the south ends of lines 7200E and 7600E, where several contiguous high values, up to 710 ppb Au, define a northeast trend which could be emanating from a gold-bearing structure. A value of 100 ppb Au on the northern part of line 8400E lies along this trend 900 metres to the northeast. A topographic lineament near these anomalies is occupied by Spukunne Lake and a northeast-flowing tributary of Spukunne Creek. Altered granite cut by local quartz stringers was observed near anomalous sites.

On the west end of the west grid several scattered single point anomalies, to a high of 55 ppb Au, are surrounded by areas of gold enrichment, with values of 5 to 19 ppb. The extreme northwest corner of the grid is probably underlain by volcanic rocks and gold enrichment in this area may be due to a mineralized contact alteration zone or higher background gold in volcanic rocks.

On the east grid (Plate 2) a spot high of 110 ppb Au near the north end of line 12900E is on trend with an area of known anomalous gold 400 metres to the southwest on the adjoining Bank property. Single point, moderate gold anomalies on the southern parts of lines 13300E, 13700 E and 14100E fall along a northeast-trending line over a distance of 950 metres and may be indicative of a narrow gold-bearing structure.

Widespaced soil sampling covering less than one-half of the Vale property has identified one priority gold target and several secondary targets. Areas remaining to be sampled include the southern claims and portions of the central and western property which are underlain mostly by granite, with minor volcanics on the west.

****

6.0 PERSONNEL

	Dates Worked	
M. Steiner, Sampler Coquitlam, B.C.	July 24-Aug 2	10 days sampling
R. Champoux, Sampler Vancouver, B.C.	July 24-Aug2	10 days sampling
B. Watts, Sampler Kelowna, B.C.	July 26,28 Aug 1,2	4 days sampling
R. Baldwin, Sampler Langley, B.C.	Aug 1-2	2 days sampling
E. Balon, Prospector North Vancouver, B.C.	July 5, Aug 16	1 day sampling 1 day prospecting
J. D. Rowe, Geologist North Vancouver,B.C.	July, Aug Nov 27-29	3 days field 3 days report preparation

****

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	2 days x 375/day	750	$ 4,950
SALARIES:			
M. Steiner	10 days x $125/d	1,250	
R. Baldwin	2 days x 80/d	160	
R. Champoux	10 days x 80/d	800	
B. Watts	4 days x 100/d	400	
		2,610	
	Benefits @ 12%	310	2,920
FOOD & CAMP ACCOMMODATION:	32 mandays x $ 95/d		3,040
GEOCHEMICAL ANALYSIS:	912 soils (Au)		5,270
RENTALS: Truck, Radiophone, Computer, etc.			900
FIELD EQUIPMENT AND SUPPLIES:			850
FREIGHT:			180
DRAFTING, OFFICE SUPPLIES, PRINTING:			490
	Total Expenditures		$18,600

****

8.0 REFERENCES

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

Minfile 92H/NE

Cormier, J.R.:

1991: 1990 Geochemical (Assessment) Report on the Bank #1-28 Mineral Claims.

1991: 1990 Geochemical and Geophysical (Assessment) Report on the Dill Claim Group.

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

****

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 Vale claims during the period July 5 to August 16, 1991.

CORDILLERAN ENGINEERING LTD.

J. D. Rowe, B.Sc.
Geologist

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

****

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

By:

ACME ANALYTICAL LABORATORIES LTD.
852 E. Hastings Street
Vancouver, BC V6A 1R6

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT VALE #10 FILE # 91-3072 Page 1

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

SAMPLE#	AU* ppb
5950E 7100N	3.2
5950E 7050N	3.1
5950E 7000N	2.6
5950E 6950N	3.4
5950E 6900N	4.1
5950E 6850N	3.0
5950E 6800N	1.8
5950E 6750N	1.4
6000E 8000N	1.0
6000E 7950N	1.9
6000E 7900N	.9
6000E 7850N	3.6
6000E 7800N	2.5
6000E 7750N	1.5
6000E 7700N	3.2
6000E 7650N	2.2
6000E 7600N	2.9
6000E 7550N	1.8
6000E 7500N	1.1
6000E 7450N	3.7
6000E 7400N	2.6
6000E 7350N	.5
6000E 7300N	2.1
6000E 7250N	11.2
6000E 7200N	1.9
6000E 7150N	10.8
6000E 7100N	1.6
6000E 6750N	1.7
6000E 6700N	3.0
6000E 6650N	8.4
6000E 6600N	3.4
6000E 6550N	2.7
6000E 6500N	4.6
6000E 6450N	3.8
6000E 6400N	2.6
6000E 6350N	1.4
6000E 6300N	1.4
STANDARD AU-S	45.7

SAMPLE#	AU* ppb
6000E 6250N	5.2
6000E 6200N	3.5
6000E 6150N	.6
6000E 6100N	.3
6000E 6050N	1.1
6315E 7750N	.9
6315E 7650N	1.7
6315E 7600N	1.6
6400E 8000N	1.7
6400E 7950N	.3
6400E 7900N	.4
6400E 7850N	.9
6400E 7800N	1.6
6400E 7700N	.2
6400E 7600N	2.7
6400E 7550N	3.8
6400E 7500N	.2
6400E 7450N	.8
6400E 7400N	.2
6400E 7350N	2.2
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6400E 6850N	.8
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6400E 6750N	8.0
6400E 6700N	.9
6400E 6650N	.4
6400E 6600N	1.0
6400E 6550N	3.8
STANDARD AU-S	46.1

SAMPLE#	AU* ppb
6400E 6500N	5.9
6400E 6450N	3.3
6400E 6400N	9.9
6400E 6350N	1.5
6400E 6300N	4.4
6400E 6250N	4.3
6400E 6200N	6.4
6400E 6150N	.5
6400E 6100N	1.7
6400E 6050N	3.5
6800E 7950N	.4
6800E 7900N	1.9
6800E 7850N	1.7
6800E 7800N	1.9
6800E 7750N	.6
6800E 7700N	2.8
6800E 7650N	1.7
6800E 7600N	.8
6800E 7550N	.3
6800E 7500N	2.5
6800E 7450N	1.9
6800E 7400N	7.5
6800E 7350N	3.5
6800E 7300N	2.4
6800E 7250N	1.4
6800E 7200N	.7
6800E 7150N	.4
6800E 7100N	1.1
6800E 7050N	1.3
6800E 7000N	1.2
6800E 6950N	1.1
6800E 6900N	9.2
6800E 6850N	.8
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6800E 6700N	1.4
6800E 6650N	1.3
STANDARD AU-S	46.3

SAMPLE#	AU* ppb
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6800E 6550N	4.4
6800E 6500N	1.4
6800E 6450N	.6
6900E 6400N	.7
6900E 6340N	.7
6900E 6300N	.6
6900E 6250N	.9
6950E 6250N	.7
7000E 6250N	.8
7000E 6200N	.2
7000E 6150N	1.2
7000E 6100N	1.8
7000E 6075N	2.2
7000E 6050N	9.7
7200E 8000N	2.3
7200E 7950N	.8
7200E 7900N	3.1
7200E 7850N	.8
7200E 7800N	4.7
7200E 7750N	2.3
7200E 7700N	.6
7200E 7650N	1.8
7200E 7600N	1.4
7200E 7550N	9.0
7200E 7500N	1.7
7200E 7450N	2.6
7200E 7400N	.8
7200E 7350N	.4
7200E 7300N	.6
7200E 7250N	14.8
7200E 7200N	.3
7200E 7150N	.2
7200E 7050N	.5
7200E 6950N	.4
7200E 6900N	.2
STANDARD AU-S	46.0

SAMPLE#	AU* ppb
7200E 6850N	1.6
7200E 6800N	2.1
7200E 6750N	2.6
7200E 6700N	1.7
7200E 6650N	2.3
7200E 6600N	1.2
7200E 6550N	2.6
7200E 6500N	38.3
7200E 6450N	2.3
7200E 6400N	1.8
7200E 6350N	27.8
7200E 6300N	37.3
7200E 6250N	2.2
7200E 6200N	4.0
7200E 6150N	1.9
7200E 6100N	1.3
7200E 6050N	1.6
7600E 7850N	1.2
7600E 7800N	.5
7600E 7750N	1.6
7600E 7700N	2.5
7600E 7650N	.5
7600E 7600N	2.1
7600E 7550N	1.4
7600E 7500N	3.7
7600E 7450N	2.2
7600E 7400N	4.7
7600E 7350N	1.2
7600E 7300N	2.5
7600E 7250N	3.6
7600E 7200N	.6
7600E 7150N	1.6
7600E 7100N	9.2
7600E 7050N	6.8
7600E 7000N	1.1
7600E 6950N	.2
STANDARD AU-S	51.2

SAMPLE#	AU* ppb
7600E 6900N	1.6
7600E 6850N	1.7
7600E 6800N	1.5
7600E 6750N	27.0
7600E 6700N	710.0 *
7600E 6650N	46.3
7600E 6600N	17.9
7600E 6550N	28.7
7600E 6500N	9.7
7600E 6450N	13.7
7600E 6200N	4.5
7600E 6150N	7.7
7600E 6100N	4.4
7600E 6050N	15.5
7600E 6000N	15.9
7650E 6400N	2.4
7650E 6350N	5.1
7650E 6300N	2.0
7650E 6250N	190.0 *
8000E 8000N	5.5
8000E 7950N	6.8
8000E 7900N	4.0
8000E 7850N	5.4
8000E 7800N	9.3
8000E 7750N	5.5
8000E 7700N	1.6
8000E 7650N	1.8
8000E 7600N	11.6
8000E 7550N	3.0
8000E 7500N	5.5
8000E 7450N	1.9
8000E 7400N	5.3
8000E 7350N	4.3
8000E 7300N	6.5
8000E 7250N	6.7
8000E 7200N	4.8
STANDARD AU-S	48.6

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

RECEIVED

DATE RECEIVED: JUL 31 1991 DATE REPORT MAILED: Aug 8/AUG - 9 1991

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

* Subject to reassay check

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
8000E 7150N	1.8	8400E 7300N	2.5	8800E 7850N	2.2	9200E 7900N	3.0	9200E 6000N	1.3	9600E 6200N	3.3	10000E 6350N	1.7
8000E 7100N	1.8	8400E 7250N	.3	8800E 7800N	1.7	9200E 7850N	1.8	9600E 8000N	1.7	9600E 6150N	1.1	10000E 6300N	26.2
8000E 7050N	1.0	8400E 7200N	100.0	8800E 7750N	1.4	9200E 7800N	19.5	9600E 7950N	3.1	9600E 6100N	1.6	10000E 6250N	12.6
8000E 7000N	2.4	8400E 7150N	9.8	8800E 7700N	2.5	9200E 7750N	3.6	9600E 7900N	1.1	9600E 6050N	.5	10000E 6200N	3.8
8000E 6950N	.9	8400E 7100N	4.2	8800E 7650N	5.6	9200E 7650N	1.0	9600E 7850N	1.3	9600E 6000N	1.1	10000E 6150N	.4
8000E 6900N	1.6	8400E 7050N	4.0	8800E 7600N	4.8	9200E 7600N	3.9	9600E 7800N	.5	10000E 8000N	1.4	10000E 6100N	.4
8000E 6850N	3.7	8400E 7000N	3.4	8800E 7550N	7.2	9200E 7550N	4.9	9600E 7750N	.9	10000E 7850N	.4	10000E 6050N	2.1
8000E 6800N	1.0	8400E 6950N	.3	8800E 7300N	7.8	9200E 7500N	1.6	9600E 7700N	6.7	10000E 7800N	3.6	10000E 6000N	4.7
8000E 6750N	1.3	8400E 6900N	2.2	8800E 7250N	1.7	9200E 7450N	3.4	9600E 7600N	1.8	10000E 7750N	2.0	STANDARD AU-S	53.2
8000E 6700N	1.1	8400E 6850N	1.1	8800E 7200N	5.2	9200E 7400N	1.5	9600E 7550N	13.7	10000E 7700N	1.4		
8000E 6650N	1.1	8400E 6800N	6.2	8800E 7150N	2.0	9200E 7350N	1.3	9600E 7500N	3.0	10000E 7650N	.9		
8000E 6600N	.8	8400E 6750N	.2	8800E 7100N	4.5	9200E 7300N	.9	9600E 7450N	.5	10000E 7600N	.5		
8000E 6550N	1.7	8400E 6700N	.4	8800E 7050N	1.0	9200E 7250N	.9	9600E 7400N	8.2	10000E 7550N	.4		
8000E 6500N	1.1	8400E 6650N	.8	8800E 7000N	1.1	9200E 7200N	3.4	9600E 7350N	.5	10000E 7500N	1.0		
8000E 6450N	1.2	8400E 6600N	.3	8800E 6950N	1.6	9200E 7150N	.9	9600E 7300N	1.5	10000E 7450N	.3		
8000E 6400N	2.2	8400E 6550N	.6	8800E 6900N	1.0	9200E 7100N	1.1	9600E 7250N	.2	10000E 7400N	.7		
8000E 6350N	1.1	8400E 6500N	2.7	8800E 6850N	1.4	9200E 7050N	.7	9600E 7200N	.8	10000E 7350N	.8		
8000E 6300N	2.3	8400E 6450N	.6	8800E 6800N	1.5	9200E 7000N	.8	9600E 7150N	1.0	10000E 7300N	3.2		
8000E 6250N	2.0	8400E 6400N	1.4	8800E 6750N	1.7	9200E 6950N	.5	9600E 7100N	.4	10000E 7250N	.2		
8000E 6200N	2.2	8400E 6350N	1.2	8800E 6700N	2.2	9200E 6900N	1.8	9600E 7050N	.6	10000E 7200N	.8		
8000E 6150N	3.4	8400E 6300N	.2	8800E 6650N	1.6	9200E 6850N	6.5	9600E 7000N	.2	10000E 7150N	.8		
8000E 6050N	1.4	8400E 6250N	.2	8800E 6600N	.8	9200E 6800N	.8	9600E 6950N	.2	10000E 7100N	.3		
8000E 6000N	.9	8400E 6200N	.6	8800E 6500N	.8	9200E 6750N	3.6	9600E 6900N	.2	10000E 7050N	.9		
8400E 8000N	3.0	8400E 6150N	.6	8800E 6450N	1.2	9200E 6700N	3.2	9600E 6850N	.9	10000E 7000N	.3		
8400E 7900N	.6	8400E 6100N	1.5	8800E 6400N	1.0	9200E 6650N	.7	9600E 6800N	.2	10000E 6950N	2.0		
8400E 7850N	2.1	8400E 6050N	.2	8800E 6350N	1.0	9200E 6600N	.4	9600E 6750N	3.3	10000E 6900N	.2		
8400E 7800N	.9	8400E 6000N	.2	8800E 6300N	1.2	9200E 6550N	.4	9600E 6700N	.2	10000E 6850N	1.3		
8400E 7750N	2.3	8430E 6550N	.2	8800E 6250N	2.2	9200E 6500N	.2	9600E 6650N	.2	10000E 6800N	1.5		
8400E 7700N	1.2	8680E 7550N	.3	8800E 6200N	2.8	9200E 6450N	.4	9600E 6600N	.2	10000E 6750N	5.5		
8400E 7650N	32.9	8680E 7500N	9.6	8800E 6150N	1.9	9200E 6400N	.8	9600E 6550N	.2	10000E 6700N	1.9		
8400E 7600N	3.6	8680E 7450N	4.5	8800E 6100N	1.0	9200E 6350N	.2	9600E 6500N	1.0	10000E 6650N	.9		
8400E 7550N	2.7	8680E 7400N	.2	8800E 6050N	1.4	9200E 6300N	1.1	9600E 6450N	.5	10000E 6600N	1.8		
8400E 7500N	1.2	8680E 7350N	11.3	8800E 6000N	1.0	9200E 6250N	.2	9600E 6400N	.2	10000E 6550N	.2		
8400E 7450N	3.2	8750E 6600N	.2	9200E 8000N	4.1	9200E 6200N	.4	9600E 6350N	.2	10000E 6500N	.7		
8400E 7400N	5.8	8750E 6550N	.2	9200E 7950N	1.0	9200E 6150N	.6	9600E 6300N	1.8	10000E 6450N	.9		
8400E 7350N	36.0	8800E 8000N	.2	STANDARD AU-S	50.9	9200E 6100N	.2	9600E 6250N	.4	10000E 6400N	2.9		
STANDARD AU-S	50.9	STANDARD AU-S	46.0			STANDARD AU-S	47.8	STANDARD AU-S	46.6	STANDARD AU-S	52.0		

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Cordilleran Engineering Ltd. PROJECT VALE #8 FILE # 91-3490 Page 1
1980 - 1055 W. Hastings S, Vancouver BC V6E 2E9 Attn: MARK STEINER

SAMPLE#	AU* ppb
3600E 8000N	13.5
3600E 7950N	3.2
3600E 7900N	2.4
3600E 7850N	8.9
3600E 7800N	14.3
3600E 7750N	4.6
3600E 7700N	4.5
3600E 7650N	7.4
3600E 7600N	19.1
3600E 7550N	7.0
3600E 7500N	6.5
3600E 7450N	16.1
3600E 7400N	4.3
3600E 7350N	55.0
3600E 7300N	4.9
3600E 7250N	3.4
3600E 7200N	5.5
3600E 7150N	4.1
3600E 7100N	7.9
3600E 7050N	3.5
3600E 7000N	2.8
3600E 6950N	3.5
3600E 6900N	2.6
3600E 6850N	3.1
3600E 6800N	2.5
3600E 6750N	1.5
3600E 6700N	6.1
3600E 6650N	16.1
3600E 6600N	6.4
RE 3600E 6800N	4.0
3600E 6550N	2.8
3600E 6500N	2.9
3600E 6450N	4.7
3600E 6400N	2.7
3600E 6350N	2.3
3600E 6300N	5.8
3600E 6250N	3.3
STANDARD AU-S	50.1

SAMPLE#	AU* ppb
3600E 6200N	7.1
3600E 6150N	3.3
4000E 8000N	4.5
4000E 7950N	21.8
4000E 7900N	7.9
4000E 7850N	10.8
4000E 7800N	6.0
4000E 7750N	7.4
4000E 7700N	3.9
4000E 7650N	3.4
4000E 7600N	6.5
4000E 7550N	4.8
4000E 7500N	5.4
4000E 7450N	33.1
4000E 7400N	3.4
4000E 7350N	2.0
4000E 7300N	15.3
4000E 7250N	16.8
4000E 7200N	11.2
4000E 7150N	4.0
4000E 7100N	8.9
4000E 7050N	5.5
4000E 7000N	9.8
4000E 6950N	4.7
4000E 6900N	4.7
4000E 6850N	7.5
4000E 6800N	3.8
RE 4000E 7000N	4.9
4000E 6750N	17.5
4000E 6700N	3.0
4000E 6650N	3.6
4000E 6600N	2.7
4000E 6550N	5.1
4000E 6500N	4.3
4000E 6450N	3.2
4000E 6350N	4.0
4000E 6300N	2.1
STANDARD AU-S	51.0

SAMPLE#	AU* ppb
4000E 6250N	3.3
4000E 6200N	.2
4000E 6180N	.4
4000E 6170N	1.3
4000E 6150N	4.3
4400E 8000N	.2
4400E 7950N	.2
4400E 7900N	.9
4400E 7850N	1.1
4400E 7800N	9.0
4400E 7750N	.2
4400E 7700N	.2
4400E 7650N	.2
4400E 7600N	.4
4400E 7550N	.3
4400E 7500N	.2
4400E 7450N	.2
4400E 7400N	1.8
4400E 7350N	1.8
4400E 7300N	.2
4400E 7250N	.2
4400E 7200N	3.8
4400E 7150N	2.3
RE 4400E 7300N	.5
4400E 7100N	5.2
4400E 7050N	.2
4400E 7000N	36.2
4400E 6950N	6.9
4400E 6900N	.2
4400E 6850N	.2
4400E 6800N	1.6
4400E 6750N	.9
4400E 6700N	.3
4400E 6650N	1.0
4400E 6600N	.6
4400E 6550N	2.2
4400E 6500N	.5
STANDARD AU-S	46.0

SAMPLE#	AU* ppb
4400E 6450N	.7
4400E 6350N	2.0
4400E 6300N	4.6
4400E 6250N	.8
4400E 6200N	.9
4400E 6150N	1.4
4800E 8000N	.5
4800E 7950N	2.6
4800E 7900N	2.4
4800E 7850N	1.8
4800E 7800N	7.9
4800E 7750N	.4
4800E 7700N	1.0
4800E 7650N	1.5
4800E 7600N	.4
4800E 7550N	2.9
4800E 7500N	4.5
4800E 7450N	.7
4800E 7400N	1.8
4800E 7350N	1.3
4800E 7300N	.3
4800E 7250N	2.2
4800E 7200N	.7
4800E 7150N	.3
RE 4800E 7350N	.5
4800E 7100N	4.5
4800E 7000N	.4
4800E 6950N	.2
4800E 6900N	1.3
4800E 6850N	.7
4800E 6800N	1.6
4800E 6750N	8.3
4800E 6650N	4.7
4800E 6600N	.5
4800E 6550N	.9
4800E 6500N	.6
4800E 6450N	.7
STANDARD AU-S	47.0

SAMPLE#	AU* ppb
4800E 6400N	2.5
4800E 6350N	6.8
4800E 6300N	2.2
4800E 6250N	1.4
4800E 6200N	1.8
4800E 6150N	2.3
5200E 8000N	12.2
5200E 7950N	1.4
5200E 7900N	4.4
5200E 7850N	2.7
5200E 7800N	3.7
5200E 7750N	.6
5200E 7700N	4.5
5200E 7650N	1.9
5200E 7600N	2.2
5200E 7550N	3.5
RE 5200E 7300N	2.6
5200E 7500N	4.6
5200E 7450N	2.6
5200E 7400N	2.2
5200E 7350N	4.6
5200E 7300N	4.2
5200E 7250N	12.1
5200E 7200N	6.2
5200E 7150N	5.0
5200E 7100N	3.2
5200E 7050N	36.2
5200E 7000N	6.8
5200E 6950N	4.0
5200E 6900N	6.5
5200E 6850N	5.3
5200E 6800N	2.2
5200E 6750N	3.5
5200E 6700N	2.4
5200E 6650N	1.9
5200E 6600N	1.9
5200E 6550N	27.6
STANDARD AU-S	47.1

SAMPLE#	AU*S ppb
5200E 6500N	3.9
5200E 6400N	2.4
5200E 6350N	5.2
5200E 6300N	1.6
5200E 6250N	1.9
5200E 6200N	1.2
5200E 6150N	4.2
5200E 6100N	1.3
5200E 6050N	1.3
5600E 8000N	1.2
5600E 7900N	1.1
5600E 7850N	2.4
5600E 7800N	2.7
5600E 7750N	8.6
5600E 7700N	1.4
5600E 7650N	22.1
5600E 7600N	4.0
5600E 7550N	2.0
5600E 7500N	1.2
5600E 7450N	2.5
5600E 7400N	1.3
5600E 7200N	1.5
5600E 7150N	2.6
5600E 7000N	3.9
5600E 6950N	2.1
5600E 6900N	1.6
5600E 6850N	11.5
5600E 6800N	1.0
5600E 6750N	4.4
5600E 6700N	4.0
5600E 6650N	4.2
5600E 6600N	3.4
RE 5600E 6700N	3.8
5600E 6550N	1.7
5600E 6500N	1.2
5600E 6450N	1.6
5600E 6400N	1.7
STANDARD AU-S	46.2

- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 14 1991 DATE REPORT MAILED: Aug 19/91 RECEIVED

SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS AUG 20 1991

Samples beginning 'RE' are duplicate samples.

SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb	SAMPLE#	AU* ppb
5600E 6350N	6.2	12500E 6550N	3.8	12900E 7250N	2.3	13300E 7900N	3.0	13700E 8600N	1.8	13700E 6800N	2.2
5600E 6300N	4.4	RE 12900E 8800N	1.7	12900E 7200N	2.1	13300E 7850N	1.2	13700E 8550N	1.4	13700E 6750N	1.5
5600E 6250N	2.6	12500E 6500N	2.0	12900E 7150N	1.7	13300E 7800N	.2	13700E 8500N	.8	13700E 6500N	1.3
5600E 6200N	2.8	12900E 9000N	1.5	RE 12900E 6600N	2.6	13300E 7750N	.6	13700E 8450N	.8	14100E 9000N	.8
5600E 6150N	2.4	12900E 8900N	1.2	12900E 7100N	.9	13300E 7700N	3.2	13700E 8400N	.9	14100E 8950N	.7
5600E 6050N	3.2	12900E 8850N	1.9	12900E 7050N	.4	13300E 7650N	1.4	13700E 8350N	2.8	14100E 8900N	2.7
5620E 7150N	17.3	12900E 8800N	1.6	12900E 7000N	1.0	13300E 7600N	46.4	13700E 8300N	1.4	14100E 8850N	2.2
5620E 7100N	3.1	12900E 8750N	3.3	12900E 6950N	1.7	13300E 7550N	1.0	13700E 8250N	.3	14100E 8800N	3.3
RE 12500E 7800N	1.7	12900E 8700N	1.4	12900E 6900N	1.6	13300E 7500N	.9	13700E 8200N	2.1	14100E 8750N	14.8
5620E 7050N	9.8	12900E 8650N	1.6	12900E 6750N	1.5	13300E 7450N	10.4	13700E 8150N	3.4	14100E 8700N	4.3
12500E 8000N	.6	12900E 8600N	2.1	12900E 6700N	3.4	13300E 7400N	5.7	13700E 8100N	9.5	14100E 8650N	.7
12500E 7900N	.6	12900E 8550N	.8	12900E 6650N	1.9	13300E 7350N	.4	13700E 8050N	1.0	14100E 8600N	1.5
12500E 7850N	.4	12900E 8500N	110.0	12900E 6600N	2.0	13300E 7300N	1.6	13700E 8000N	3.8	14100E 8550N	1.7
12500E 7800N	1.6	12900E 8450N	3.4	12900E 6550N	2.2	13300E 7250N	3.9	13700E 7950N	.7	14100E 8500N	1.9
12500E 7750N	.3	12900E 8400N	3.5	12900E 6500N	3.6	13300E 7200N	.3	13700E 7900N	3.4	14100E 8450N	.8
12500E 7700N	1.1	12900E 8350N	3.5	13300E 9000N	.2	13300E 7150N	31.1	13700E 7850N	.5	14100E 8400N	1.2
12500E 7650N	.8	12900E 8300N	2.0	13300E 8950N	.8	13300E 7100N	.9	13700E 7800N	.6	14100E 8350N	1.0
12500E 7600N	.4	12900E 8250N	1.3	13300E 8900N	1.6	13300E 7050N	.9	13700E 7750N	2.6	14100E 8300N	2.4
12500E 7550N	.5	12900E 8200N	.8	13300E 8850N	1.2	13300E 7000N	.6	13700E 7700N	.5	14100E 8250N	4.1
12500E 7500N	2.2	12900E 8150N	1.1	13300E 8800N	4.0	13300E 6950N	2.3	13700E 7650N	2.1	14100E 8200N	1.3
12500E 7450N	.7	12900E 8100N	.9	13300E 8750N	.8	13300E 6900N	.8	13700E 7600N	1.7	14100E 8150N	.7
12500E 7400N	.2	12900E 8050N	.8	13300E 8700N	1.5	13300E 6850N	1.3	13700E 7550N	1.3	14100E 8100N	.4
12500E 7350N	.8	12900E 8000N	.7	13300E 8650N	.2	13300E 6800N	1.7	13700E 7500N	.2	14100E 8050N	.7
12500E 7300N	1.2	12900E 7950N	.8	13300E 8600N	1.3	13300E 6750N	.2	13700E 7450N	1.6	14100E 8000N	.5
12500E 7250N	.9	12900E 7900N	.5	13300E 8550N	1.8	13300E 6700N	1.9	13700E 7400N	4.2	14100E 7950N	.7
12500E 7200N	1.2	12900E 7850N	1.0	13300E 8500N	1.0	13300E 6650N	1.3	13700E 7350N	36.1	14100E 7900N	3.0
12500E 7150N	.4	12900E 7800N	.9	13300E 8450N	.4	13300E 6600N	1.9	13700E 7300N	3.4	14100E 7850N	.3
12500E 7050N	.3	12900E 7750N	1.0	13300E 8400N	.6	13300E 6500N	1.5	13700E 7250N	3.4	14100E 7800N	.2
12500E 7000N	7.4	12900E 7700N	1.2	13300E 8350N	1.9	13700E 9000N	1.5	RE 13700E 7450N	2.1	14100E 7750N	.2
12500E 6950N	1.8	12900E 7650N	1.0	13300E 8300N	1.4	13700E 8950N	1.2	13700E 7200N	.6	14100E 7700N	.4
12500E 6900N	1.7	12900E 7600N	2.8	13300E 8250N	7.2	RE 13300E 6650N	1.6	13700E 7150N	7.4	RE 14100E 7900N	4.0
12500E 6850N	.9	12900E 7550N	1.2	13300E 8200N	1.2	13700E 8900N	1.9	13700E 7100N	2.1	14100E 7650N	22.1
12500E 6800N	1.7	12900E 7500N	.8	13300E 8150N	14.2	13700E 8850N	1.6	13700E 7050N	.7	14100E 7600N	4.1
12500E 6750N	.3	12900E 7450N	.3	13300E 8100N	2.0	13700E 8800N	1.3	13700E 7000N	.2	14100E 7550N	6.3
12500E 6700N	.6	12900E 7400N	1.0	13300E 8050N	.8	13700E 8750N	2.3	13700E 6950N	.9	14100E 7500N	6.4
12500E 6650N	.3	12900E 7350N	1.1	13300E 8000N	1.4	13700E 8700N	.6	13700E 6900N	.2	14100E 7450N	2.2
12500E 6600N	1.3	12900E 7300N	1.7	13300E 7950N	.6	13700E 8650N	.8	13700E 6850N	.9	14100E 7400N	1.7
STANDARD AU-S	47.0	STANDARD AU-S	54.3	STANDARD AU-S	48.4	STANDARD AU-S	51.2	STANDARD AU-S	45.3	STANDARD AU-S	45.1

Samples beginning 'RE' are duplicate samples.

SAMPLE#	AU* ppb
14100E 7350N	.8
14100E 7300N	1.2
14100E 7250N	2.8
14100E 7200N	.3
14100E 7150N	.5
14100E 7100N	1.2
14100E 7050N	.7
14100E 7000N	2.0
14100E 6950N	.4
14100E 6900N	1.3
14100E 6850N	1.0
14100E 6800N	.5
14100E 6750N	1.8
14100E 6700N	26.7
14100E 6650N	.2
14100E 6600N	.7
14100E 6500N	4.7
14500E 9000N	.4
14500E 8950N	.4
14500E 8900N	1.2
14500E 8850N	1.0
14500E 8800N	3.8
14500E 8750N	3.9
14500E 8700N	.6
14500E 8650N	.5
14500E 8600N	.2
14500E 8550N	.9
14500E 8500N	.2
14500E 8450N	1.0
14500E 8400N	1.1
14500E 8350N	1.2
14500E 8300N	.2
14500E 8250N	.5
14500E 8200N	.3
RE 14500E 8350N	2.1
14500E 8150N	.2
14500E 8100N	1.7
STANDARD AU-S	52.2

SAMPLE#	AU* ppb
14500E 8050N	2.0
14500E 8000N	5.9
14500E 7950N	1.1
14500E 7900N	.8
14500E 7850N	1.8
14500E 7800N	4.4

Samples beginning 'RE' are duplicate samples.

9000 N
8800 N
8600 N
8400 N
8200 N
8000 N
7800 N
7600 N
7400 N
7200 N
7000 N
6800 N
6600 N

12500 E
12900 E
13300 E
13700 E
14100 E
14500 E

110
15
>
14
10
6
22
6
6
46
10
6
36
31
>
>
27

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,920

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 5 PPB NOT PLOTTED

KINGSVALE RESOURCES LTD.

VALE PROPERTY (EAST)

AU SOIL GEOCHEMISTRY

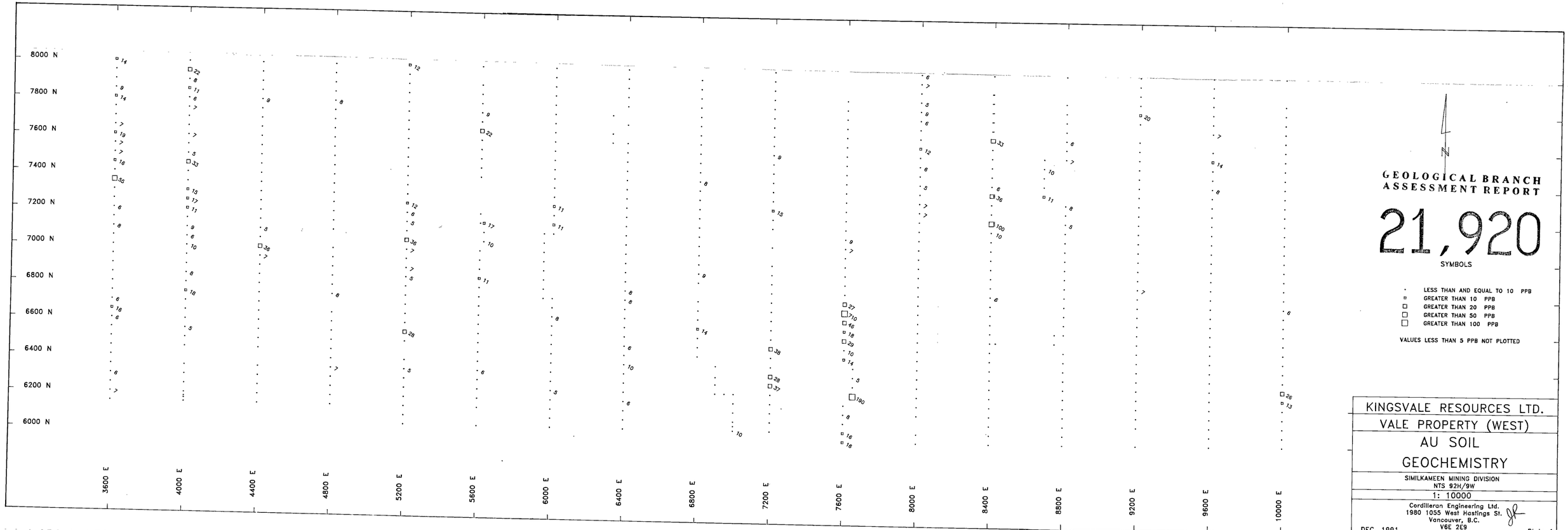
SIMILKAMEEN MINING DIVISION
NTS 92H/9W

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

DEC. 1991

Plate 2



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,920

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 5 PPB NOT PLOTTED

KINGSVALE RESOURCES LTD.

VALE PROPERTY (WEST)

AU SOIL
GEOCHEMISTRY

SIMILKAMEEN MINING DIVISION
NTS 92H/9W

1: 10000

Cordilleran Engineering Ltd.
1980 1055 West Hastings St.
Vancouver, B.C.
V6E 2E9

DEC. 1991

Plate 1