2000 DIAMOND DRILLING REPORT
SIWSH GOLD MINE AREA
ELK PROPERTY

Similkameen Mining Division
Siwash Lake Area , British Columbia
NTS:92H/16W; Lat. 49°50'N, Long. 120°19'W

December, 2000

Report Preparation: Original + 3 copies

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1.0 SUMMARY AND CONCLUSIONS

The Elk property consists of 83 contiguous mineral claims comprising 492 units located 40 kilometres west of Peachland, B.C., in the Similkameen Mining Division (NTS: 92H-16W). Initial staking was undertaken in November 1986 (160 units) with additions in 1987 (60 units), 1988 (32 units) and 1989 (199 units). A block comprising 72 units was optioned from Mr. Donald Agur of Summerland, B.C. in October, 1988. Claim acquisition and subsequent work were conducted by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. until April 1995 when Fairfield assumed operations. Placer Dome Inc. entered into an option agreement on the property in March 1988 and withdrew in March 1991. Fairfield retains 100% interest.

The Elk claims cover forested, gently rolling hills with fair to poor bedrock exposure. The property is accessible by paved highway, 50 km. from Westbank, B.C., or 50 km. from Merritt, B.C.

Work conducted on the property from 1986 to 1991 consisted of geological mapping, prospecting, linecutting, soil sampling, geophysics, excavator trenching, diamond drilling and road construction. During the 1992 to 1994 field seasons open pit and underground mining extracted 1,600,406 grams (51,460 ounces) of gold from the Siwash North vein system. Reverse circulation drilling, underground diamond drilling, reclamation, road construction, water sampling and aerial photography were also undertaken during this period. Surface and underground diamond drill programs were carried out in the Siwash Mine area from 1994 to 1996 to define the resource. Exploration surface drilling was also carried out during the 1995 and 1996 field seasons to test trench targets between the Siwash mine site and the South Showing area 2.5 kilometres to the south. Limited prospecting and environmental monitoring was undertaken from 1997 to 1999.

The property is underlain by the Triassic Nicola Group volcano-sedimentary assemblage on the west and by granitic rocks of the Jurassic Osprey Lake Batholith on the east. Feldspar porphyry stocks of the Upper Cretaceous Otter Intrusions cut both of these groups. Andesite dykes intrude all of the above units and are interpreted to be of Tertiary Age.

Gold-silver mineralization on the Elk property is hosted by pyritiferous quartz veins and pyritiferous altered granite. The mineralized features generally trend northeasterly and are thought to be Late Cretaceous or Tertiary in age. To date, mineralization has been located in eight areas of the Elk property: Siwash North, Siwash East, South Showing, Discovery Showing, Lake Zone, End Zone, Great Wall Zone and Elusive Creek.

Surface diamond drilling totaling 1413.96m in 12 holes was completed on the Siwash Mining lease during 2000. The WD vein system located immediately to the north of the Siwash B zone vein was tested with four holes and the mineralized structure was intersected in all holes. Three holes were were targetted to intersect the numerous veins that fall within the area of the proposed Phase 5.5 open pit to fill in the sample density. The Gold Creek West structure was tested with five holes to establish grade and structural continuity. The vein structure was intersected in all holes and though significant vein widths were encountered they contained only moderate gold grades.

The results of exploration on the Elk Property are extremely encouraging. A combined indicated and inferred resource of 4,132,941 gm (132,892 oz) of gold is presently indicated and will be expanded following a new resource calculation including the 2000 drill data. 1,600,406 gm (51,460 oz) of gold have been extracted profitably by open pit and underground mining. Potential for the discovery of additional gold reserves in the immediate mine area remains strong in the WD vein and the Gold Creek West structures. Promising vein structures are present in the Siwash Lake area and geophysical and geochemical anomalies in the Elk South area with similar signatures have yet to be tested. Excellent access to services is provided by the Okanagan Connector highway which passes two km north of the Siwash mine. Continued aggressive exploration is warranted to fully define the extent of this gold resource.

2.0 RECOMMENDATIONS

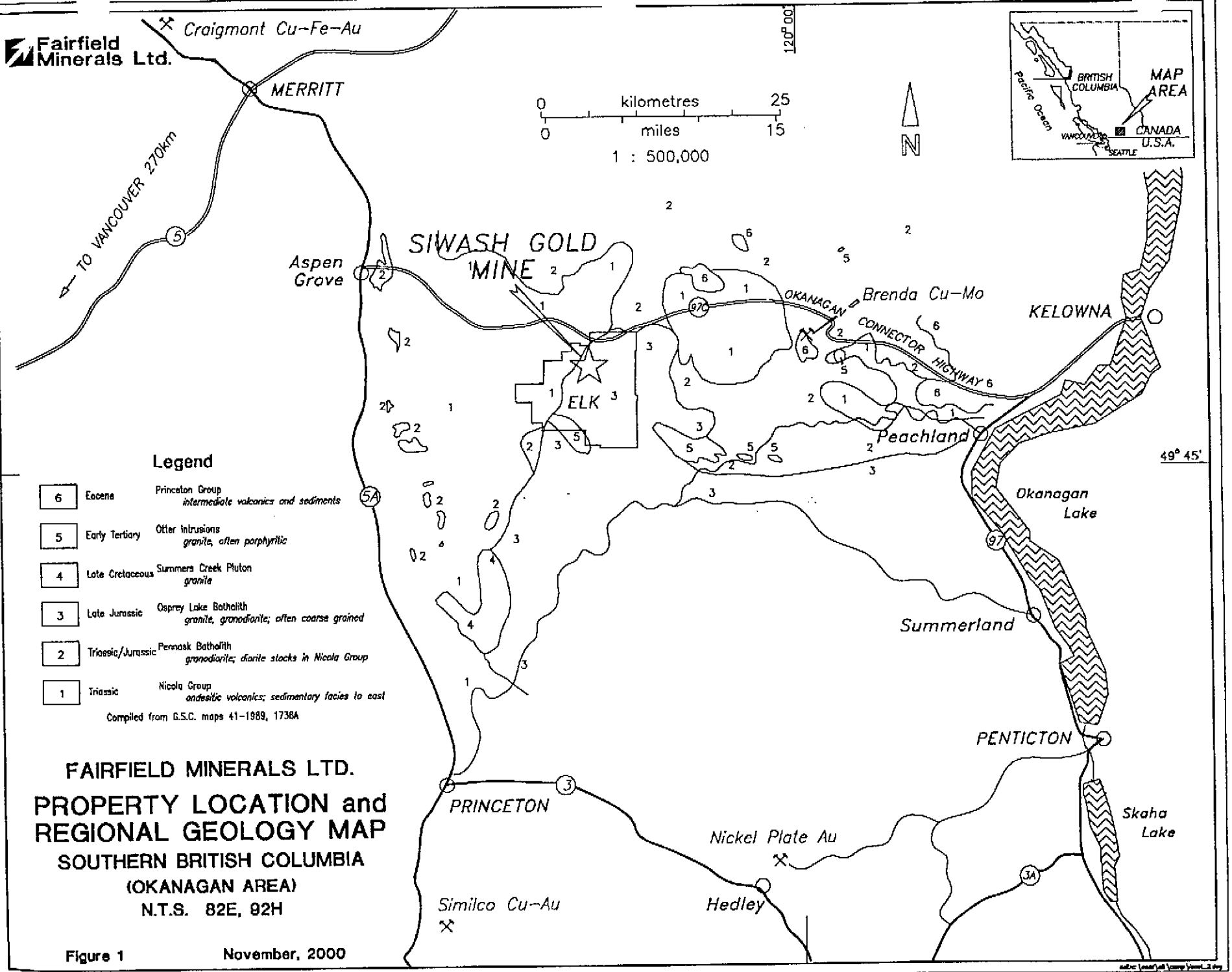
The following exploration program is recommended:

- Drill test the area east of the Deep B zone with 18 wide spaced holes to determine the continuity and grade of the mineralization. Fill-in at closer spacing around significant intercepts.
- Drill four holes in the WD zone to the south and east of 2420E to expand the present inferred resource.
- Drill test the Gold Creek West structure to the east of the existing drilling.

Respectfully submitted

FAIRFIELD MINERALS LTD.

Wojtek Jakubowski, B.Sc., P.Geo.
Geologist



FAIRFIELD MINERALS LTD.

PROPERTY LOCATION and REGIONAL GEOLOGY MAP

SOUTHERN BRITISH COLUMBIA

(OKANAGAN AREA)

N.T.S. 82E, 92H

Figure 1 November, 2000

3.0 INTRODUCTION

This report describes the results of a diamond drill program conducted on the Elk property during the period July 10 to August 11, 2000. The work was managed by personnel of Fairfield Minerals Ltd. with the intent to test the continuity and grade of the Siwash, Gold Creek West and WD vein systems.

3.1 LOCATION AND ACCESS (Figure 1)

The Elk property is located 40 kilometres west of Okanagan Lake in southern British Columbia approximately midway between Merritt and Summerland, at latitude 49°50'N and longitude 120°19'W (Figure 1). The claims cover heavily forested rolling terrain of the Trepanege Plateau highlands. Elevations range from 1300 to 1750 metres above sea level. Access to the property is excellent, with the Okanagan Connector highway passing through the northern claims. Merritt and Kelowna are within one hour driving time from the mine location. Field operations in 2000 were based out of a lodge located on the property.

3.2 CLAIM DATA (Figure 2)

The Elk property consists of 48 two post claims, 26 four post claims, eight fractional claims and one mining lease comprising 492 units (Table 1). The claims are 100% owned by Fairfield Minerals Ltd. with the exception of the Agur Option block (72 units), on the south side of the property which is subject to 1% NSR from production. The Elk41 and Elk42 claims were allowed to lapse in 2000.

3.3 HISTORY

During the first half of the century the El Paso adit was driven into volcanic rocks in the area currently covered by the Elk 31 claim. Quartz vein-hosted lead-zinc-silver-gold mineralization was encountered. No production of ore was achieved.

Over the last forty years Don Agur of Summerland, B.C. prospected and trenched the north and west parts of the present Elk property area, as well as a large region to the south along Siwash Creek.

Phelps Dodge Corporation of Canada Ltd. carried out copper exploration during 1972 which included mapping and soil geochemistry in the area of the present Elk 19, 28, 31, 32, 34, 35, Siwash 50 and Arp claims.

Utah Mines Ltd. conducted mapping, geochemistry, IP geophysics and trenching to evaluate copper mineralization on their Siwash claim group which, in part, covered the present Siwash 50 and Elk 28 claims.

Brenda Mines Ltd. worked on the Siwash claim group which included the area now comprising the southern part of the Elk property. A rigorous copper exploration program including mapping, soil geochemistry, geophysics, trenching and diamond drilling was undertaken between 1979 and 1981. Work was done on the area currently covered by the Elk 19, 28, 31 to 37, Arp, Fergito Allendo I, II, Nanci P2 and Tepee claims.

Fairfield Minerals Ltd.

ELK PROPERTY OUTLINE

Elkhorn Exit

Okanagan Connector HWY 97C

Boulder Lake

Lodge

SIWASH NORTH MINESITE

SIWASH NORTH LEASE

SIWASH EAST AREA

SIWASH LAKE AREA

GREAT WALL & END ZONE AREAS

Siwash Lake

Cabins

DISCOVERY SHOWING AREA

CAMP

SOUTH SHOWING AREA

ELUSIVE CREEK AREA

AGUR OPTION AREA

FERGITO ALLENDO 2

FERGITO ALLENDO 1

TEEPEE

NANCI P2

Palaeo Lake

Tepee Lakes

Sunday L

Friday L

Saturday L

ARP

VOLCANICS

INTRUSIVE

ELK1 ELK2 ELK3 ELK4 ELK5 ELK6 ELK7 ELK8 ELK9 ELK10 ELK11 ELK12 ELK13 ELK14 ELK15 ELK16 ELK17 ELK18 ELK20 ELK21 ELK22 ELK23 ELK24 ELK25 ELK26 ELK27 ELK28 ELK29 ELK30 ELK31 ELK32 ELK34 ELK35 ELK36 ELK37 ELK38 ELK39 ELK40 ELK43 ELK44 ELK45 ELK46 ELK47 ELK48 ELK49 ELK50 ELK51 ELK52 ELK53 ELK54 ELK55 ELK56 ELK57 ELK58 ELK59 ELK60 ELK61 ELK62 ELK63 ELK64 ELK65 FRAC ELK66 ELK67 Fr ELK68 ELK69 ELK70 FRAC ELK71 ELK72 ELK73 FRAC ELK33 FRAC

GAVIN1 GAVIN2 GAVIN3 GAVIN4 GAVIN5

85,000E 90,000E 95,000E 700,000E

25,000N 20,000N

N

UTM NORTH

LEGEND

Geological Contact

Road

Creek

0m 500 1000 2000 3000

ELK PROPERTY

Similkameen Mining Division
NTS 92H/16W, B.C.

CLAIM AND AREA LOCATION MAP

SCALE 1 : 50,000

Drawn by WJ
Nov, 2000

Figure 2

FAIRFIELD MINERALS LTD.
1420 - 700 West Georgia Street, Vancouver, British Columbia V7Y 1B6

ELK PROPERTY CLAIM STATUS

Table 1

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

CLAIM	TYPE	UNITS	TENURE NO.	EXPIRY DATE
ARP	4post	20	248738	September 13, 2004
ELK 1	4post	20	249145	November 28, 2007
ELK 10	2post	1	249159	November 28, 2006
ELK 11	2post	1	249160	November 28, 2004
ELK 12	2post	1	249161	November 28, 2006
ELK 13	2post	1	249162	November 28, 2004
ELK 14	2post	1	249163	November 28, 2006
ELK 15	2post	1	249164	November 28, 2004
ELK 16	2post	1	249165	November 28, 2006
ELK 17	2post	1	249166	November 28, 2004
ELK 18	2post	1	249167	November 28, 2006
ELK 19	4post	20	249147	November 28, 2005
ELK 2	4post	20	249146	November 28, 2005
ELK 20	4post	20	307936	March 05, 2007
ELK 21	4post	20	307937	March 05, 2005
ELK 22	2post	1	249168	November 28, 2004
ELK 23	2post	1	249169	November 28, 2004
ELK 24	2post	1	249170	November 28, 2004
ELK 25	2post	1	249171	November 28, 2004
ELK 26	4post	20	249150	November 28, 2004
ELK 27	4post	20	249151	November 28, 2004
ELK 28	4post	20	249254	September 24, 2004
ELK 29	4post	20	249255	September 24, 2004
ELK 3	2post	1	249152	November 28, 2006
ELK 30	4post	20	249256	September 24, 2004
ELK 31	2post	1	249330	August 17, 2007
ELK 32	2post	1	249331	August 17, 2007
ELK 33	FR	1	249363	September 28, 2007
ELK 34	2post	1	249367	September 29, 2007
ELK 35	2post	1	249366	September 29, 2007
ELK 36	4post	12	249395	November 02, 2004
ELK 37	4post	15	249396	October 31, 2004
ELK 38	4post	16	249469	May 07, 2004
ELK 39	4post	16	249470	May 07, 2004
ELK 4	2post	1	249153	November 28, 2006
ELK 40	4post	12	249471	May 07, 2004
ELK 43	4post	16	249472	May 07, 2003
ELK 44	4post	20	249509	June 06, 2003
ELK 45	4post	20	249510	June 06, 2003
ELK 46	4post	16	369415	June 06, 2003
ELK 47	4post	20	249512	June 06, 2003
ELK 48	2post	1	249513	June 04, 2004
ELK 49	2post	1	249514	June 04, 2004
ELK 5	2post	1	249154	November 28, 2004
ELK 50	2post	1	249515	June 04, 2004
ELK 51	2post	1	249516	June 04, 2004
ELK 52	2post	1	249517	June 06, 2004
ELK 53	2post	1	249518	June 06, 2004
ELK 54	FR	1	249519	June 06, 2004

ELK PROPERTY CLAIM STATUS

Table 1

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

CLAIM	TYPE	UNITS	TENURE NO.	EXPIRY DATE
ELK 55	2post	1	249547	July 05, 2004
ELK 56	2post	1	249548	July 05, 2006
ELK 57	2post	1	249549	July 05, 2006
ELK 58	2post	1	249550	July 05, 2006
ELK 59	2post	1	249551	July 05, 2006
ELK 6	2post	1	249155	November 28, 2006
ELK 60	2post	1	249552	July 05, 2006
ELK 61	2post	1	249553	July 05, 2006
ELK 62	2post	1	249554	July 06, 2004
ELK 63	2post	1	249555	July 06, 2004
ELK 64	2post	1	249556	July 06, 2007
ELK 65	FR	1	249557	July 06, 2004
ELK 66	2post	1	249558	July 07, 2004
ELK 67	FR	1	249559	July 07, 2004
ELK 68	FR	1	249560	July 07, 2004
ELK 69	2post	1	249561	July 07, 2004
ELK 7	2post	1	249156	November 28, 2004
ELK 70	FR	1	249562	July 07, 2004
ELK 71	2post	1	249563	July 07, 2004
ELK 72	FR	1	249564	July 07, 2004
ELK 73	FR	1	249885	August 20, 2004
ELK 8	2post	1	249157	November 28, 2006
ELK 9	2post	1	249158	November 28, 2004
FERGITO ALLENDO1	4post	20	248739	September 13, 2006
FERGITO ALLENDO2	4post	18	248740	September 13, 2006
GAVIN 1	2post	1	249659	September 26, 2004
GAVIN 2	2post	1	249660	September 26, 2004
GAVIN 3	2post	1	249661	September 26, 2004
GAVIN 4	2post	1	249662	September 27, 2004
GAVIN 5	2post	1	249663	September 27, 2004
NANCI P2	4post	10	248732	August 13, 2004
SIWASH #50	4post	2	248927	November 10, 2004
SIWASH NORTH	mining lease	1	1308695	September 14, 2001
TEEPEE	4post	2	248735	August 13, 2004

82 claims and 444 units+48
1 mining lease 2 post claims

Exploration for molybdenum was undertaken by Cominco Ltd. during 1980 on what is now the Elk 26, 27, 29, 43 to 45, 71 and 72 claims. Work included geological mapping and soil geochemistry.

No significant discoveries resulted from any of the above programs.

The Elk 1 to 27 claims were staked in November 1986 by Cordilleran Engineering Ltd. for Fairfield Minerals Ltd. to cover new showings of gold-silver mineralization hosted in pyritic quartz veins cutting a granite batholith and andesite dykes. Preliminary hand trenching and soil sampling were conducted.

During 1987, widespread and detailed grid soil sampling programs were undertaken to define areas anomalous in gold. Nine trenches, totaling 1528m were excavated in two areas (Discovery and South Showings) to test soil geochemical targets, exposed quartz veins and altered breccias hosted in granite. IP, magnetometer and VLF-EM geophysical surveys were carried out over the trenched areas. The Elk 28 to 30 claims were staked in September 1987 to acquire ground along projections of favourable geochemical trends.

The 1988 program included collection of 2246 soil samples on the claims acquired in 1987 and trenching in Siwash North and Elusive Creek areas. Four kilometres of road was constructed for access and eleven trenches totaling 2884 metres which exposed quartz-vein-hosted gold mineralization were mapped and sampled. The Elk 31 to 37 claims were staked to cover adjacent favourable areas.

During the 1989 field season, the Elk 38 to 73 claims were staked to cover projections of anomalous soil geochemical trends. Fifty line-km of VLF-EM and magnetometer surveys were carried out in the Siwash Lake and Siwash North areas and 4865 soil samples were collected on the new claims. A total of 56.25 km of baseline was cut to provide control for soil sampling and geophysical surveys. Trenches were excavated in the South Showing, Siwash North and Siwash Lake areas for a total of 2223 linear metres of bedrock exposure in 25 trenches and stripped areas. The high grade gold bearing quartz vein system in the Siwash North area was further delineated over a strike length of 750m. Twelve diamond drill holes totaling 752m tested the down dip continuity of this system.

During 1990 a total of 5168.34m of HQ diamond drilling in 58 holes was carried out in the Siwash North area on a 50m grid spacing. Quartz vein hosted gold mineralization in the Siwash North area was further exposed by seven trenches and three stripped areas totaling 544 linear metres. Diamond drilling in the Siwash Lake area consisted of 259.08m of HQ core in four drill holes (SLD90-56 to 59). Six trenches and one stripped area totaling 607 linear metres of bedrock exposure were excavated in the Siwash Lake area. Soil sampling on the northern Elk claims was concentrated in the Siwash Lake area where 250 fill-in samples were collected around anomalous coarse grid stations. One thousand two hundred and fifty-four grid samples were collected on southern Elk claims. Magnetometer and VLF-EM surveys were carried out on the Agur Option area on flagged lines 100m apart for a total of 50 line km.

Exploration on the Elk claims during the 1991 field season consisted of diamond drilling, trenching and aerial photography. Thirty seven new holes were drilled and two were deepened for a total of 6608.38m in the Siwash North area to test down dip and on strike continuity of quartz vein hosted gold mineralization discovered during previous seasons work. The drill core was logged at 1:50 and 1:100 scales, photographed and sampled. All core is stored on site. Five hundred and ninety eight samples were taken and sent to Acme Analytical Labs for gold assay and analysis.

One trench was dug in the End Zone, 200m southwest of Siwash Lake, to further expose a quartz vein discovered by trenching in 1990. The vein is continuous across the entire length of the 45m trench. Thirty two rock chip samples were collected and sent to Acme for gold assay and analysis.
An area four by eight kilometres, centered over the Siwash North area was aerially photographed in colour and black and white at 1:8,000 and 1:15,000 scales.

During 1992, a bulk sample was extracted from an open pit on the Siwash vein in the Siwash North area. It totalled 2,040 tonnes (2240 tons) grading 137.7 gm/t (4.016 oz/t) gold. A small crushing/sampling plant was installed for ore grade control.
Ore was shipped to Noranda's Horne smelter in Rouyn-Noranda, PQ for metallurgical testing and smelting.
A total of 79 reverse-circulation holes were drilled in September and October to test for further open pitable reserves. A total of 223 reverse circulation chip samples were shipped to Acme Analytical Labs for assay and analysis.

In 1993, open pit mining continued, with extraction of 3,387 tonnes (3733 tons) of bulk sample material grading 105.6 gm/t (3.080 oz/t) Au. Eleven reverse-circulation drill holes totaling 942 metres tested the vein to the south and east of the open pit.
Ore was crushed on site to minus 6 inches and then shipped to ASARCO's smelter in Helena, Montana.
A portal was collared on June 28, and 480 metres of decline was driven at -15 percent to access high-grade ore shoots. Two vein drifts were developed for test mining, the 1570 level on the steeply dipping limb of the vein, and the 1611 level immediately downdip from the central core of the open pit on the flat dipping limb. Drifting on the 1570 level produced about 140 tonnes (154 tons) of ore grading 38 gm/t (1.108oz/t), whereupon the drift was abandoned and refilled due to poor ground conditions. Three raises at 5 metre centres, totaling 36 metres in length were driven up dip off the 1611 level drift. Following development of the raises, the quartz vein was stoped from the pillars producing about 315 tonnes (347 tons) of ore grading approximately 70 gm/t (2.042 oz/t) Au.

In 1994, the Company received a mining permit, the open pit was expanded and 9,180 tonnes (10,119 tons) of ore grading 91.5 gm/t (2.669 oz/t) were extracted.
Underground, the 1611 level drift was extended to the west. Five raises were added and the existing ones lengthened to 1620m elevation. Approximately 1,200 tonnes (1323 tons) of quartz vein material grading about 78 gm/ton (2.275 oz/t) Au was extracted.
An underground diamond drilling program was carried out between April 7 and May 31, with 5,011m of core drilled in 84 holes from the existing decline to define ore reserves. A total of 448 core samples were collected.
Further underground development was undertaken on completion of the open pit, with the main decline being extended 330 metres. A second decline branched east from the main ramp, for a length of 185 metres. Test mining was carried out on two levels. A longhole stoping test on the 1584 level produced 95 tonnes (105 tons) at 16.5 gm/t (0.481oz/t) from drifting on the ore. Longhole blasting produced excessive dilution and most of the material remains in the stope. On the 1589 level, a shrinkage stope test was undertaken. Stoping proceeded about 6 metres up dip along the 30 metre length of the drift. About 105 tonnes (116 tons) at 15 gm/t (0.438 oz/t) Au were hauled to surface, however, much of the material remains in the stope.

Exploration on the Elk claims in 1995 consisted almost entirely of diamond drilling. Two hundred and seventeen underground diamond drill holes totaling 7,612 m were drilled from the decline ramp in the vein footwall, between April 13 and August 12, to test grade and continuity of the mineralized zone. A total of 918 core samples were collected from underground holes and sent to Acme Analytical Laboratories for gold assay and analysis.

Surface diamond drilling was undertaken between June 21 and September 22. In the Siwash North area, 70 holes were drilled totaling 4,645 metres. In the Lake Zone area, 7 holes totaling 477m were completed. Two holes (102m) were drilled on the Great Wall Zone, and four holes on the End Zone (187m). Six holes were drilled on Discovery Showing and nine holes on the South Showing areas, totaling 397m and 481m respectively. In all. 6289 metres were drilled in 98 surface holes. A total of 581 core samples were collected and sent to Acme Analytical Labs for assay and analysis.
A small trench measuring about 10m along strike and 4m wide was dug at the Great Wall Zone to test the grade of a quartz vein encountered during road construction. A ten centimetre vein trending 55 degrees and dipping 60 degrees to the south was exposed. Two 0.5m square panel samples were taken across the vein and returned grades of 0.51gm/t (0.015 oz/t)and 0.99 gm/t (0.029 oz/t) Au.
A total of 38 soil geochemical samples were taken to the east of the clear-cut in the Siwash North area. Prospecting in areas of anomalous samples uncovered quartz vein float which assayed 47.35 gm/t (1.381 oz/t) Au.
Two test pits were dug in the southern South Showing area.

The 1996 program consisted of 6,946.34m of NQ diamond drilling in 88 holes. Five holes were drilled in the Siwash North Deep B area for a total of 1120.14m. The mineralized structure was intersected in all holes. The proposed Phase 5.5 open pit, east of the existing pit, was detail drilled with 1997.02m of NQ core in 38 holes. This allowed the definition of an indicated resource of 503,000gm Au (16,200 oz) for the area of the proposed pit. The WD zone, located 200m north of the Siwash B zone structure, was tested with 25 holes in 2308.84m resulting in an inferred resource block of 569,000 gm Au (18,290 oz). The source of the anomalous soil geochemistry in the East Slope area was evaluated with 9 holes and 564.39m with poor results. Four holes totalling 399.08m were drilled to test the source of the anomalous soil geochemistry and VLF conductor in the Gold Creek East area. Numerous small veins with poor to moderate values were intersected. The source of the anomalous soil geochemistry in the Gold creek West area was evaluated with 7 holes totalling 556.87m of NQ core. A mineralized quartz vein was intersected with 11.8 gm/t (0.381 oz) over a true width of 0.5m.
A total of 1161 core samples were sent to Acme Analytical Laboratories for gold analysis.
The area immediately to the south and east of the drill grid was detail soil sampled at 25 X 50m spacing for a total of 367samples.

Reclamation and site cleanup was undertaken during 1997. The overburden cover was completed on the East waste dump and much of the mine equipment was transported to Savona for storage or sale. Limited prospecting, sampling and environmental monitoring was carried out between 1997 and 1999 on the Elk property.

3.4 2000 EXPLORATION PROGRAM

The 2000 exploration program on the Elk claims described in this report consisted of diamond drilling, core logging and sampling.
Twelve NQ diamond drill hloles tested the WD, B Zone and and Gold Creek vein systems for a total of 1413.96m. Four holes were drilled into the WD zone to expand the present 18,000 oz inferred resource block. The WD veins were intersected in all holes close to the projected depths with grades up to 41.03 gm/t Au over a true width of 0.50m. The area of the projected Phase 5.5 open pit located about 200m to the east of the existing pit had been drilled extensively to establish a resource estimate for pit planning purposes. Three holes were drilled on the east side of the proposed pit to increase the sample density. The projected veins were intersected and a new resource estimate will be calculated. The Gold Creek West vein located approximately 450m southwest of the existing open pit was drilled in 1996. Five holes were drilled in 2000 to test the vein continuity 50m between sections 1700E and 1890E. The vein was

intersected at the projected location with grades up to 16.55gm/t Au over a true width of 0.50m. The vein steepens from about -30^{0} on sections 1750E and 1700E to -60 on section 1840E and east.

The exploration field camp located on Camp Creek that was used from 1987 to 1996 was completely disassembled.

4.0 DIAMOND DRILLING

4.1 INTRODUCTION

Surface diamond drilling was carried out on the Siwash North Mining Lease between July 13 and August 2, 2000. A total of 1413.96m of drilling in 12 NQ holes tested the proposed Phase 5.5 Open Pit area, the WD zone and the Gold Creek West area. The holes in the proposed Phase 5.5 Open Pit area were drilled to fill-in the existing hole spacing to about 20m and the remaining holes were drilled on 50m centres.
All drilling was performed by Leclerc Diamond Drilling of Beaverdell, B.C. using a skid-mounted Longyear 38 drill.
Drill hole locations, depths, azimuths, and dips are summarized in Table 2.

ELK PROPERTY 2000 DRILL SUMMARY — Table 2

	DATE	DATE			CORE	COLLAR COORDINATES			DEPTH
HOLE NO	START	FINISH	CLAIM	SECTION	SIZE	NORTH	EAST	ELEV	metres
SND00298	13/07/2000	15/07/2000	SNLEASE	2570E	NQ	3499.83	2570.65	1646.39	190.80
SND00299	15/07/2000	18/07/2000	SNLEASE	2520E	NQ	3455.85	2520.81	1646.49	238.05
SND00300	18/07/2000	20/07/2000	SN LEASE	2540E	NQ	3439.12	2539.78	1648.23	69.19
SND00301	19/07/2000	20/07/2000	SN LEASE	2500E	NQ	3427.23	2500.21	1644.45	69.19
SND00302	20/07/2000	21/07/2000	SN LEASE	2475E	NQ	3400.67	2475.65	1638.30	69.19
SND00303	21/07/2000	24/07/2000	SN LEASE	2420E	NQ	3488.57	2419.81	1633.97	205.43
SND00304	26/07/2000	26/07/2000	SN LEASE	1700E	NQ	2998.47	1701.86	1666.44	63.40
SND00305	25/07/2000	26/07/2000	SN LEASE	1700E	NQ	2996.86	1701.87	1666.57	64.92
SND00306	26/07/2000	27/07/2000	SN LEASE	1840E	NQ	2957.12	1837.56	1656.24	53.64
SND00307	27/07/2000	28/07/2000	SN LEASE	1865E	NQ	2941.45	1863.93	1656.49	60.96
SND00308	28/07/2000	30/07/2000	SN LEASE	1890E	NQ	2923.22	1889.95	1656.19	101.50
SND00309	30/07/2000	02/08/2000	SN LEASE	2570E	NQ	3462.54	2570.42	1649.30	227.69
								TOTAL:	1413.96

4.2 DRILLING OPERATIONS

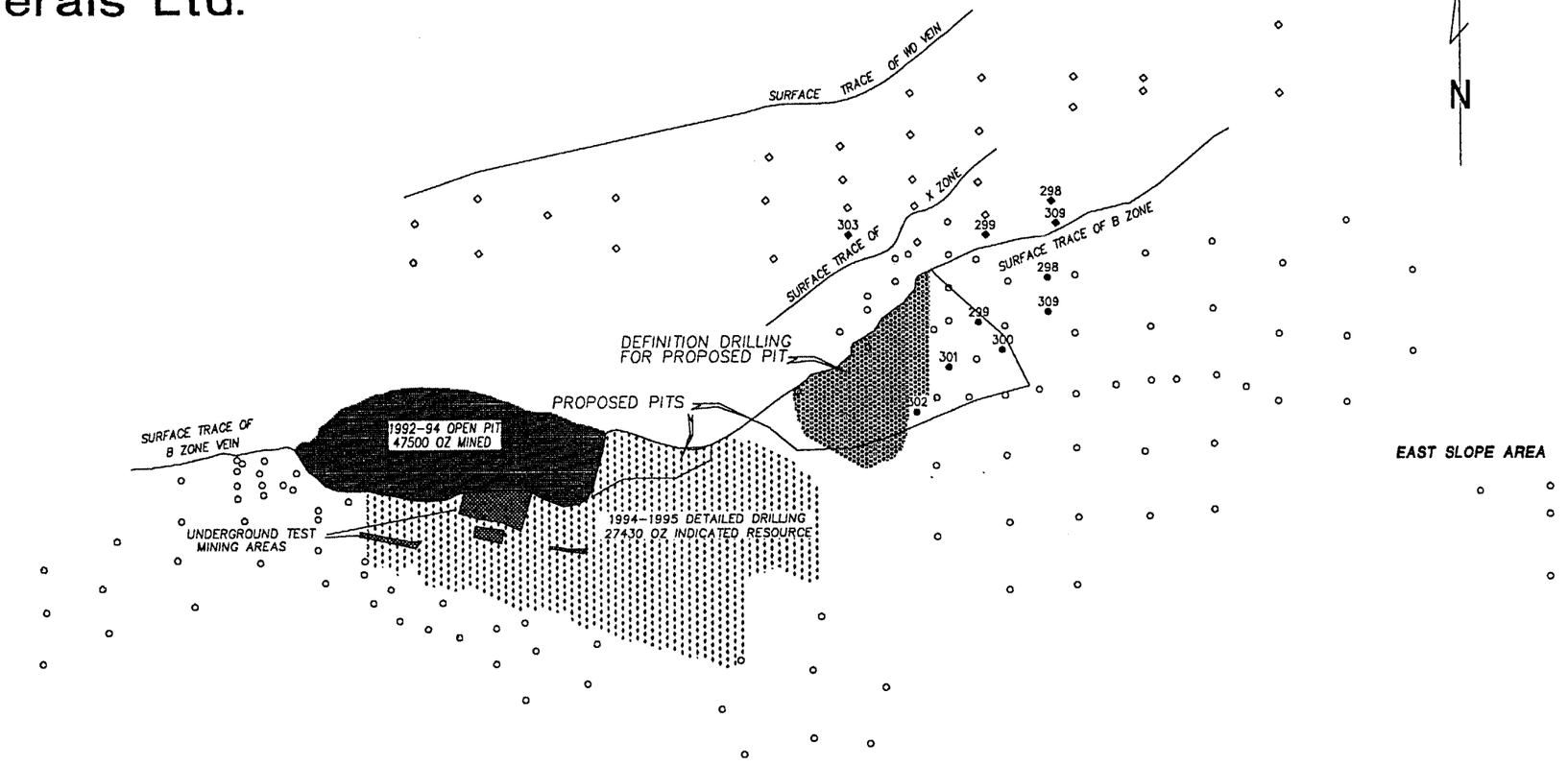
All the drill holes in the 2000 drill program were located on north-south drill fences south of the mineralized zone surface exposures or soil geochemical anomalies. All holes were drilled to completion and intersected their targets.

Access to the 1700E section of the Gold Creek West area drill sites required that 50m of road right of way be logged and cleared. The logging and road construction was performed by Elkhart Lodge Limited of Merritt B.C.

Drill sites were leveled and prepared using a Caterpillar D6 tractor supplied by Leclerc Drilling Ltd. of Beaverdell B.C. Sumps were dug to contain cuttings. The drill was moved between sites using a D6 tractor. Water was pumped to the drill from Gold Creek and the open pit.

Upon receipt, the core was washed, footage blocks converted to metres, and the recovery, RQD (rock quality determination), hardness, and degree of breakage were measured. All the core was photographed at four core boxes to the frame, and selected intervals were photographed at five frames per core box. The geology, geotechnical information, and sample intervals were logged onto hand-held HP200LX palm-top computers, and were later down-loaded onto a desktop computer. All samples were split and every twentieth sample was quartered and submitted for analysis as part of the quality control process. Samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. and assayed or analyzed for gold. Thirty element ICP analysis was also performed

Fairfield Minerals Ltd.



PLAN MAP OF SIWASH MINE AREA 2000 DIAMOND DRILL INTERCEPTS

FIGURE 3

on samples containing quartz vein. Specific gravity measurements using a scale were made on selected mineralized zones.

Drill hole orientations were measured at surface with a Brunton compass, and down-hole with a Sperry-Sun single shot camera. On completion of the hole, the casing was removed and replaced with a section of 2.5 inch diameter PVC pipe. The hole locations were surveyed relative to pre-established survey control points using a Casco transit.

4.3 DRILLING RESULTS

Twelve NQ diamond drill hloles drilled between July 13 and August 2, 2000 tested the WD, B Zone and and Gold Creek vein systems for a total of 1413.96m. Surface drill hole collar locations are shown on Plate 1 and listed below in Table 2. The relative locations of the drill hole zone intercepts are shown on Figure 3. Summary drill logs, including geology and assay information for all 2000 drill holes, are included in Appendix B. Subsurface geology, sample locations and selected assays are plotted on drill sections included in Plates 2 to 12. Averaged assay results with zone intercept coordinates are listed below in Table 3.

Four holes were drilled into the WD zone between 2420E and 2570E to expand the present 18,290 oz inferred resource block. The WD vein(s) were intersected in all holes close to the projected depths with grades up to 41.03 gm/t Au over a true width of 0.50m. The veins dip approximately 60-65^{O}, strike E to ENE and are locally subparallel separated by 3.5 to 8 metres. Both carry significant gold values though the WDa vein is richer.

The area of the projected Phase 5.5 open pit located about 200m to the east of the existing pit was drilled extensively between 1990 and 1996 to establish a resource estimate for pit planning purposes. Four holes were drilled in 2000 on the south and east sides of the proposed pit to increase the sample density to less than 25m. The holes intersected the narrow veins at about the projected depths. A new resource estimate will be calculated and released in 2001.

The Gold Creek West vein located approximately 450m southwest of the existing open pit was discovered by drilling soil geochemical anomalies in 1996. Five holes were drilled in 2000 to test the vein continuity 50m between sections 1700E and 1890E. The vein was intersected at the projected locations with grades up to 16.55gm/t Au over a true width of 0.50m. The vein steepens from about -30^{O} on sections 1750E and 1700E to -60 on section 1840E and east. An attempt was made to re-enter and deepen hole SND96294 on section 1890E in order to intersect the projected vein location but rubble at the bottom of the hole prevented coring. A new hole was collared and a gouged vein was intersected at roughly the estimated depth returning poor Au grade.

			2000 DRILL ZONE INTERSECTION SUMMARY								Table 3
Hole	Section	From	To	Zone	SG	TW	Au gm/t	Ag gm/t	East	North	Elev.
SND00298	2570E	5.55	5.85	A	2.64	0.50	6.88	0.10	2570.65	3501.88	1641.07
SND00298	2570E	13.76	14.29	B	2.70	0.50	0.86	0.00	2570.68	3504.89	1633.31
SND00298	2570E	30.52	31.10	C1	2.70	0.60	2.29	0.00	2570.79	3511.03	1617.69
SND00298	2570E	35.15	35.53	C2	2.70	0.50	0.44	0.00	2570.83	3512.70	1613.48
SND00298	2570E	53.90	54.20	D	2.70	0.50	0.76	0.00	2571.08	3519.68	1596.12
SND00298	2575E	159.95	160.17	WDa	2.76	0.50	39.30	96.22	2573.76	3560.22	1498.21
SND00298	2575E	164.95	165.30	WDb	2.67	0.50	41.03	61.57	2573.95	3562.16	1493.54
SND00299	2520E	22.42	23.05	A	2.67	0.60	0.06	1.77	2521.06	3464.40	1625.43
SND00299	2520E	32.65	33.05	B	2.70	0.50	0.33	0.00	2521.24	3468.23	1616.07
SND00299	2520E	44.70	45.37	C1	2.70	0.70	0.88	0.00	2521.51	3472.87	1604.80
SND00299	2520E	49.30	49.60	C2	2.70	0.50	0.05	0.00	2521.62	3474.55	1600.72
SND00299	2520E	51.30	51.60	C3	2.64	0.50	5.56	3.49	2521.68	3475.31	1598.88
SND00299	2520E	64.65	65.00	D	2.70	0.50	3.75	5.27	2522.08	3480.44	1586.53
SND00299	2525E	208.05	208.45	WDa	2.88	0.50	39.94	135.82	2527.06	3535.93	1454.37
SND00299	2525E	212.75	213.22	WDb	2.81	0.50	14.03	15.68	2527.22	3537.78	1450.02
SND00300	2540E	32.00	32.50	A	2.76	0.50	5.38	13.41	2538.84	3447.54	1617.11
SND00300	2540E	43.17	43.41	B	2.76	0.50	6.82	11.24	2538.55	3450.49	1606.47
SND00300	2540E	51.45	51.75	C1	2.70	0.50	0.84	0.00	2538.34	3452.72	1598.47
SND00300	2540E	59.15	59.55	C2	2.65	0.50	6.30	5.79	2538.16	3454.82	1591.02
SND00301	2500E	24.65	25.05	A	2.70	0.50	0.30	0.00	2499.99	3436.46	1621.38
SND00301	2500E	36.20	36.50	Ba	2.71	2.50	6.74	3.09	2499.96	3440.68	1610.68
SND00301	2500E	36.20	36.50	Ba	2.76	0.50	22.89	6.82	2499.96	3440.68	1610.68
SND00301	2500E	38.73	38.98	Bb	2.71	0.50	10.36	8.50	2499.95	3441.60	1608.35
SND00301	2500E	52.50	52.80	C	2.66	0.50	7.39	1.29	2499.98	3446.61	1595.50
SND00302	2475E	32.35	32.61	A	2.73	0.50	6.45	7.85	2475.68	3406.38	1606.33
SND00302	2475E	41.89	42.47	B	2.73	0.60	14.13	3.65	2475.69	3408.11	1596.78
SND00302	2475E	49.05	49.35	C	2.70	0.50	0.88	0.00	2475.71	3409.37	1589.88
SND00303	2425E	182.22	182.65	WD	2.85	0.50	29.01	52.86	2426.52	3536.28	1458.02
SND00304	1700E	49.47	49.83	GCW	2.80	0.50	16.55	49.84	1700.43	3033.41	1631.20
SND00305	1700E	56.38	56.75	GCW	2.84	0.50	3.93	14.17	1701.75	2997.47	1610.02
SND00306	1840E	42.70	43.80	GCW	2.57	1.00	0.35	2.26	1838.71	2970.36	1615.11
SND00307	1865E	51.60	51.92	GCW	2.68	0.50	2.13	9.72	1865.00	2976.99	1618.93
SND00308	1890E	55.40	55.80	GCW	2.65	0.50	0.51	3.51	1891.03	2961.29	1615.75
SND00309	2570E	13.55	13.85	A	2.70	0.50	0.57	0.00	2570.64	3468.10	1636.78
SND00309	2570E	31.00	31.30	B	2.70	0.90	1.00	0.63	2570.85	3475.20	1620.84
SND00309	2570E	42.80	43.05	C1	2.70	0.50	7.43	6.04	2570.94	3479.98	1610.08
SND00309	2570E	48.55	48.85	C2	2.70	0.50	0.05	0.00	2570.98	3482.33	1604.81
SND00309	2570E	70.20	71.10	D	2.70	1.00	0.05	0.00	2571.03	3491.26	1584.76
SND00309	2575E	202.40	203.00	WDa	2.87	0.50	17.86	59.73	2576.81	3544.22	1463.97
SND00309	2575E	214.60	215.37	WDb	2.77	0.80	12.15	3.45	2577.27	3549.09	1452.70

5.0 GEOCHEMISTRY

5.1 INTRODUCTION

A total of 234 drill core samples were collected from 12 holes on the Elk claims during the 2000 field season. Core samples were assayed or analyzed for gold depending on visual estimation of potential gold grade.

5.2 ROCK GEOCHEMISTRY

Drill core samples were shipped to Acme Analytical Laboratories in Vancouver for gold analysis. Sample preparation and analysis methods varied based on material sampled. All samples were split and every twentieth sample was quartered for quality control purposes.

Samples that were expected to have significant gold content were split and half the core was submitted to the lab; in contrast to previous years when the entire core was assayed. Typically, this material consisted of quartz vein with or without wall rock, at least 10 to 15cm thick with a minimum of 10% sulfide (or traces of visible gold). These samples were crushed in their entirety to -3/16" and coarse pulverized to -1/16". Two kg of the -1/16" material was split out and pulverized to 99% finer than -150 mesh and sieved on a -150 mesh screen. One Assay Ton (1 AT) of the -150 mesh was assayed for gold and silver, and was combined with the weighted result of gold and silver fire assays of the entire coarse fraction, to give total gold and silver values. ICP analysis for 30 elements was also carried out on a 0.50gm sample of -100 mesh material. This technique was referred to as the Sieve and Assay method. Selected high grade intercepts were checked by resampling from the reject and assaying for gold by the same method.

Samples which were expected to be of lower grade were comprised of half the core split along its length. This material usually consisted of quartz vein material less than 10cm thick and less than 10% sulfide, and/or wall rock. At the lab the entire sample was crushed to -3/16", then 2kg were split out and coarse pulverized to -1/16". A 250gm split was taken and pulverized to -100 mesh. A one-assay ton (1 AT) sample was fire assayed for gold and silver. Thirty element ICP analysis was usually carried out. Higher grade intercepts were reassayed using the Sieve and Assay method described above.

Samples that were not expected to carry high gold values, typically stringers with varying sulfide in alteration, or material of scientific interest, were split in half prior to shipping. After shipment to the lab the entire sample was crushed to -3/16", 250 gm of sample split out and pulverized to -100 mesh. A 20 gm sample of the -100 mesh material was analyzed for Au by ICP-MS using acid extraction. High grade intercepts were reassayed using the Sieve and Assay method described above.

Samples that returned higher than expected values were asayed using the next higher confidence sampling procedure. The upgraded assays generally returned values lower than the originals. This may be due to larger sample size reducing the nugget effect. The results of the upgraded assays are listed in Table 4.

RE-ASSAYED SAMPLES					Table 4
Sample No.	Au Wet Geochem ppb	Au Fire Assay gm/t	Au Metallics gm/t		Variability%
SND00300-19	18516.2	7.95			-57.1
SND00301-9		44.36	38.23		-13.8
SND00301-18	4263.0	3.41			-20.0
SND00301-19	12101.0	13.74			13.5
SND00302-2	9420.0	3.79			-59.8
SND00303-22		56.00	44.06		-21.3
SND00309-7	62838.1	16.35			-74.0
SND00309-33	13814.7	13.36			-3.3
				Average:	-29.5

Raw assay data is presented in Appendix A.

5.3 METHODS OF AVERAGE GRADE CALCULATION

True widths of the sampled intervals were determined from core angles and from zone orientations determined by contouring the zone intercepts. Specific gravities were assumed to be 2.75 for sulfide ore, 2.5 for oxide ore, or were calculated from the Fe, Pb, Cu, Zn contents of the samples when these element analyses were available. The specific gravities of a number of mineralized samples were also measured at the exploration site with a scale using weights in air and water.

Average grades were weighted for true width and specific gravity over an interval of 0.50m or the vein thickness if greater than 0.50m. Averaged intervals, their zone designations, and true widths are included in the Table 3.

5.4 QUALITY CONTROL MEASURES

All drill core samples were split in order to leave part of the sample for future check sampling or inspection. Every twentieth sample was duplicated by taking a quarter split and assigning it the next sequntial sample number. Table 5 shows the results of the duplicate analysis. Excluding a low grade sample which showed a large increase in the duplicate, a low decreasing trend resulted from the second analysis. The variability of the values ranges from 87% to -66% suggesting a significant nugget effect.

DUPLICATE SAMPLES							Table 5
Sample No.		Au Wet Geochem ppb		Au Fire Assay gm/t		Average	Variability
Original	Duplicate	Original	Duplicate	Original	Duplicate	Au gm/t	%
SND00298-19	SND00298-20	3.0	27.3			0.02	810.0
SND00298-39	SND00298-40	36.5	67.2			0.05	84.1
SND00299-18	SND00299-19	90.9	30.9			0.06	-66.0
SND00299-38	SND00299-39	722.7	543.9			0.63	-24.7
SND00300-5	SND00300-6			0.86	0.72	0.79	-16.3
SND00301-6	SND00301-7	68.7	39.3			0.05	-42.8
SND00302-4	SND00302-5			12.67	23.68	18.18	86.9
SND00303-9	SND00303-10	47.0	43.5			0.05	-7.4
SND00304-4	SND00304-5	206.8	189.3			0.20	-8.5
SND00308-3	SND00308-4			0.70	0.60	0.65	-14.3
SND00309-16	SND00309-17	13.1	5.4			0.01	-58.8
						Average:	-6.8

Blank samples were submitted to the lab at the same frequency as the duplicates. The blanks were taken from unaltered granodiorite core that contained no quartz veining. The purpose of including blanks in the sample stream was to confirm that no contamination occurred in the sampling or analysis processes. Except for a minor spike of 36.6 ppb, the blanks indicated that contamination is not an issue. The results are shown in Table 6

BLANK SAMPLES	Table 6
Sample No.	Au ppb
SND00298-21	0.8
SND00298-41	4.4
SND00299-20	0.9
SND00299-40	2.9
SND00300-7	3.7
SND00301-8	8.9
SND00302-6	36.6
SND00303-11	0.5
SND00304-6	9.8
SND00308-5	0.4
SND00309-18	0.3

Acme Analytical Labs provides resamples as part of their analytical procedure. The results are listed below in Table 7. The original analyses/assays are listed with no suffix appended to the sample number. Re-analyses/assays with sample cuts taken from the pulp are listed with an "RE" suffix and those with cuts taken from the reject are listed with an "RRE" suffix. The variability was calculated by taking the difference between the minimum and maximum values and dividing it by the mean of the sample results. The difference between results is due to the nugget effect.

Table 7

LAB RE-ANALYSIS SAMPLES			Average	% Variability
Sample No.	Au Wet Geochem ppb	Au Fire Assay gm/t	Au gm/t	From Mean
SND00298-10	2743.3			
SND00298-10RE	4672.1			
SND00298-10RRE	3220.3		3.5	54.4
SND00298-23	10.7			
SND00298-23RE	5.8			
SND00298-23RRE	4.4		0.0	90.4
SND00299-8		0.06		
SND00299-8RE		0.08		
SND00299-8RRE		0.06	0.1	30.0
SND00299-10	32.7			
SND00299-10RE	34.4			
SND00299-10RRE	44.8		0.0	32.4
SND00299-24	5120.6			
SND00299-24RE	5439.7			
SND00299-24RRE	6642.2		5.7	26.5
SND00299-41	362.9			
SND00299-41RE	294.4			
SND00299-41RRE	273.7		0.3	28.7
SND00299-24		6.50		
SND00299-24RE		6.05	6.3	7.2
SND00300-2	38.6			
SND00300-2RE	33.2			
SND00300-2RRE	86.3		0.1	100.8
SND00300-19	18516.2			
SND00300-19RE	13624.4			
SND00300-19RRE	8215.5		13.5	76.6
SND00301-18	712			
SND00301-18RE	1048.7			
SND00301-18RRE	11030.3		4.3	242.0
SND00302-2		3.79		
SND00302-2RE		5.02	4.4	27.9
SND00302-5		23.68		
SND00302-5RE		25.90		
SND00302-5RRE		24.58	24.7	9.0
SND00302-9	27.3			
SND00302-9RE	51.9			
SND00302-9RRE	26.3		0.0	0.0
SND00303-16	1.5			
SND00303-16RE	1.5			
SND00303-16RRE	1.4		0.0	6.8
SND00305-5	12.8			
SND00305-5RE	7.7			
SND00305-5RRE	8.3		0.0	53.1
SND00308-7	0.2			
SND00308-7RE	0.2			
SND00308-7RRE	3.2		0.0	250.0
SND00309-18	0.3			
SND00309-18RE	0.3			
SND00309-18RRE	0.6		0.0	75.0
SND00309-30	101.3			
SND00309-30RE	98.6			
SND00309-30RRE	76.0		0.1	27.5

Note: Samples without suffix (eg SND00309-30) are the original analyses. Samples with RE suffix (eg SND00309-30RE) are re-analyses from the original pulp. Samples with RRE suffix (eg SND00309-30RRE) are re-analyses from another cut from the sample reject.

6.0 LIST OF PERSONNEL & CONTRATORS

PERSONNEL:	Position	Field Dates Worked
R. Harwood	Field Assistant	July 10 - August 11, 2000
W. Jakubowski	Geologist	July 10 - August 11, 2000

CONTRACTORS	Position	Dates Worked
Leclerc Drilling Ltd Beaverdell, B.C.	Diamond Drilling	4 men: July 13 - Aug. 2, 2000
Elkhart Lodge Limited Merritt, B.C.	Logging, Road Construction Reclamation	1 man: June 12-13; Sept 3-5, 2000

7.0 STATEMENT OF QUALIFICATIONS

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

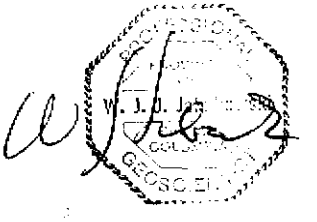
1. I am a professional geoscientist residing at #303 639 West 14th Avenue and employed by Fairfield Minerals Ltd. of 1420 - 700 West Georgia Street, Vancouver, B.C.

2. I received a B.Sc. degree in Geological Sciences from McGill University, Montreal, Quebec in 1979.

3. I have practiced my profession for 22 years in Quebec, Northwest Territories, Yukon Territory and British Columbia.

4. I am an author of this report and the supervisor of the field work conducted on the Elk claim group by Fairfield Minerals Ltd. during the period July 10 to August 11, 2000.

FAIRFIELD MINERALS LTD.



Wojtek Jakubowski, B.Sc., P. Geo
Geologist

8.0 STATEMENT OF COSTS

SALARIES (Field)			
R. Harwood	Field Assistant	32 days	
W. Jakubowski	Geologist	32 days	
Salaries / Benefits	.....		$8,806
TRANSPORTATION			
Truck Rental	.....		$775
CAMP SUPPORT			
Food & Accomodation	.....		$3,894
Fuel	.....		$464
Telephone	.....		$203
Hardware, field gear	.....		$580
DIAMOND DRILLING			
Leclerc Diamond Drilling	1414m	.....	$80,112
Sperry Sun Downhole Survey Equip Rental	.....		$3,219
Drill Site Prep Caterpillar 320 excavator and operator			
6 hrs @ 115/hr	.....		$690
GEOCHEMICAL ANALYSIS			
37 Drill Rock Samples	Fire Assay Au, Ag		
9 Drill Rock Samples	Metallics Au Ag		
203 Drill Rock Samples	Wet Geochem Au		
45 Drill Rock Samples	30 el ICP		$4,747
		TOTAL EXPENDITURES	**$103,490**

Appendix "A"

Analytical Results from Core Samples

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002435

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-298-24	2.9	21	420	189	.5	2	2	1120	1.18	10	5	<2	8	6	2.0	1.2	<.5	2	.05	.016	15	8	.02	254	<.001	2	.20	.015	.21	4	<1	.6	1	.12	<1	.4	.09
SND00-298-25	3.4	5	70	92	<.1	1	1	234	.52	1	11	<2	10	18	.3	<.5	<.5	1	.07	.017	24	11	.02	37	<.001	<1	.19	.050	.13	3	<1	.5	<1	.03	1	.5	<.01
SND00-298-27	4.3	62	116	31	.6	2	1	87	.53	9	5	<2	12	6	.3	<.5	<.5	1	.06	.020	16	9	.01	32	<.001	<1	.20	.022	.20	3	<1	.3	<1	.29	1	.6	.08
SND00-298-28	4.0	23	251	163	.5	2	1	160	.63	15	11	<2	10	9	2.4	<.5	<.5	<1	.06	.015	18	13	.02	43	<.001	<1	.24	.031	.21	4	<1	.4	<1	.28	1	1.1	.05
SND00-298-31	3.9	322	582	76	2.5	2	1	34	.85	40	10	<2	9	21	1.9	.9	1.1	<1	.06	.013	17	9	.02	31	<.001	1	.25	.012	.22	3	<1	.3	<1	.69	2	2.6	1.05
SND00-299-3	3.5	21	246	59	10.6	3	8	116	2.97	6167	39	13	8	13	1.8	6.6	2.7	3	.05	.018	16	16	.04	62	.007	<1	.27	.022	.19	4	<1	.6	<1	2.48	5	11.1	5.43
SND00-299-8	1.6	266	181	137	2.0	4	3	604	3.01	115	18	<2	8	3	1.7	.7	<.5	1	.04	.017	5	9	.01	19	<.001	<1	.15	.004	.15	3	<1	.3	<1	2.49	3	2.0	.06
RE SND00-299-8	1.9	269	188	147	2.3	4	3	655	3.10	111	19	<2	7	3	1.7	<.5	<.5	1	.05	.018	5	9	.01	20	<.001	<1	.16	.005	.16	3	<1	.4	<1	2.56	3	2.9	.08
RRE SND00-299-8	1.9	278	192	138	2.2	4	3	640	3.18	107	19	<2	9	3	1.6	<.5	<.5	2	.05	.017	5	8	.01	20	<.001	<1	.16	.005	.16	3	<1	.3	<1	2.65	3	2.7	.06
SND00-299-21	4.2	168	202	89	5.3	2	4	572	1.75	40	8	9	9	8	2.3	14.9	5.7	2	.06	.022	13	14	.02	60	<.001	<1	.25	.018	.21	5	<1	.6	<1	1.12	2	6.1	9.75
SND00-299-43	13.7	196	116	96	6.6	3	1	47	1.29	54	16	<2	6	7	2.9	76.0	1.2	1	.03	.015	14	12	.01	93	<.001	<1	.23	.004	.24	5	<1	.2	<1	1.07	2	6.6	.71
STANDARD C3	26.3	61	35	162	5.6	35	11	757	3.18	61	23	3	20	28	25.3	16.7	22.0	78	.55	.091	17	165	.58	155	.085	20	1.79	.037	.17	15	1	4.4	<1	.03	9	-	-
STANDARD G-2	1.5	<1	2	45	<.1	7	3	499	1.94	1	2	<2	3	67	<.2	.5	<.5	39	.60	.100	7	74	.56	229	.123	<1	.89	.069	.46	2	<1	2.4	<1	<.01	7	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 19 2000 **DATE REPORT MAILED:** Aug 1/00 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002436

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
SND00-298-26	3.2	206	1972	147	222.4	5	30	64	12.31	321	7	86	4	6	3.8	.5	134.9	1	.02	.004	4	218	.01	14	<.001	<1	.22	.008	.24	<1	<1	.1	<1	12.16	<1
SND00-298-32	5.8	4672	1327	254	93.4	7	5	40	4.42	421	6	69	3	16	15.7	3.8	37.4	<1	.03	.003	5	239	.02	15	<.001	3	.19	.006	.19	<1	<1	.2	<1	4.56	5
SND00-299-44	15.9	5237	5406	8413	180.8	8	12	370	9.02	476	5	51	1	5	201.3	827.1	52.6	4	.02	.003	1	280	.03	8	<.001	1	.11	.002	.10	<1	1	.6	<1	8.84	<1
SND00-299-48	4.6	3745	99	124	19.1	7	11	36	6.52	172	2	18	2	6	4.1	14.4	2.3	4	.02	.008	2	250	.01	9	.001	<1	.23	.004	.26	<1	<1	.5	<1	6.41	2
RE SND00-299-48	5.1	3906	99	136	21.7	7	11	38	6.61	173	2	16	2	7	4.2	13.6	2.1	3	.02	.008	2	258	.01	9	.001	<1	.24	.004	.27	<1	<1	.5	<1	6.55	3
STANDARD C3	26.3	61	35	162	5.6	35	11	757	3.18	61	23	3	20	28	25.3	16.2	22.0	78	.55	.091	17	165	.58	155	.085	20	1.79	.037	.17	15	1	4.4	<1	.03	9

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 19 2000 **DATE REPORT MAILED:** July 31/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002436

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	DupAg gm/mt	TotAg gm/mt
SND00-298-26	615	8.3	373.0	-	386.6
SND00-298-32	760	<.3	97.5	-	97.5
SND00-299-44	1290	<.3	197.1	-	197.1
SND00-299-48	1135	1.1	22.2	23.7	23.2

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUL 19 2000 **DATE REPORT MAILED:** July 31/00 **SIGNED BY** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002436

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	DupAu gm/mt	TotAu gm/mt
SND00-298-26	615	5.21	82.61	-	91.08
SND00-298-32	760	1.78	60.26	-	62.60
SND00-299-44	1290	.66	53.07	-	53.58
SND00-299-48	1135	1.15	16.00	16.52	17.01

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUL 19 2000 **DATE REPORT MAILED:** July 31/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002437 Page 1

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Au* ppb
SND00-298-1	10600.0
SND00-298-2	75.5
SND00-298-3	926.1
SND00-298-4	122.3
SND00-298-5	62.9
SND00-298-6	744.7
SND00-298-7	2617.1
SND00-298-8	633.9
SND00-298-9	70.1
SND00-298-10	2743.3
RE SND00-298-10	4672.1
RRE SND00-298-10	3220.3
SND00-298-11	4514.5
SND00-298-12	1393.0
SND00-298-13	562.5
SND00-298-14	40.2
SND00-298-15	40.1
SND00-298-16	372.7
SND00-298-17	12.9
SND00-298-18	3.0
SND00-298-19	33.5
SND00-298-21	.8
SND00-298-22	250.1
SND00-298-23	10.7
RE SND00-298-23	5.8
RRE SND00-298-23	4.4
SND00-298-29	29.9
SND00-298-30	11.1
SND00-298-33	35.6
SND00-298-34	14.4
SND00-298-35	64.0
SND00-298-36	6.8
SND00-298-37	31.7
STANDARD DS2	216.0

AU* BY ACID LEACHED, ANALYZE BY ICP-MS (20 gm).
- SAMPLE TYPE: CORE
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 19 2000 **DATE REPORT MAILED:** July 28/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

SAMPLE#	Au* ppb
SND00-298-38	36.5
SND00-298-39	84.4
SND00-298-41	4.4
SND00-299-1	6844.7
SND00-299-2	58.7
SND00-299-4	20.0
SND00-299-5	873.0
SND00-299-6	9.0
SND00-299-7	18.5
SND00-299-9	6.7
SND00-299-10	32.7
RE SND00-299-10	34.4
RRE SND00-299-10	44.8
SND00-299-11	4986.9
SND00-299-12	459.4
SND00-299-13	1230.2
SND00-299-14	234.3
SND00-299-15	13.8
SND00-299-16	1015.0
SND00-299-17	46.1
SND00-299-18	90.9
SND00-299-20	.9
SND00-299-22	24.2
SND00-299-23	108.9
SND00-299-24	5120.6
RE SND00-299-24	5439.7
RRE SND00-299-24	6642.2
SND00-299-25	31.8
SND00-299-26	26.6
SND00-299-27	21.2
SND00-299-28	67.3
SND00-299-29	259.7
SND00-299-30	20.2
SND00-299-31	141.7
STANDARD DS2	220.0

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA ___

SAMPLE#	Au* ppb
SND00-299-32	632.2
SND00-299-33	3099.6
SND00-299-34	424.4
SND00-299-35	11.9
SND00-299-36	824.1
SND00-299-37	15.4
SND00-299-38	722.7
SND00-299-40	2.9
SND00-299-41	362.9
RE SND00-299-41	294.4
RRE SND00-299-41	273.7
SND00-299-42	27.8
SND00-299-45	331.5
SND00-299-46	138.0
SND00-299-47	353.6
SND00-299-49	37.9
STANDARD DS2	217.0

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-1 File # A002437R

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-298-1	7.5	29	10	22	4.1	9	<1	167	1.66	20	3	32	11	14	<.2	1.0	5.6	8	.07	.023	31	20	.10	70	.022	1	.43	.052	.24	1	<1	1.4	<1	.32	2	<.3	12.41
SND00-298-10	3.0	161	96	56	7.8	8	2	103	2.02	117	6	3	10	7	1.1	1.8	2.4	3	.07	.024	14	24	.03	96	.001	7	.70	.062	.53	9	<1	.6	<1	1.56	1	5.7	4.61
SND00-298-11	6.5	238	146	70	5.6	9	1	790	1.89	55	5	4	12	8	.5	2.2	.8	4	.08	.023	21	21	.04	69	.002	7	.30	.033	.23	1	<1	.8	<1	.79	1	5.8	3.73
SND00-299-1	1.6	119	24	45	4.7	5	1	1359	2.12	26	6	4	11	5	.7	.6	.6	4	.10	.026	24	15	.05	46	.001	7	.33	.029	.26	6	<1	.7	<1	.61	<1	4.9	5.21
SND00-299-11	6.2	171	191	43	5.4	9	2	675	2.49	113	8	3	13	12	1.1	3.4	<.5	3	.06	.022	12	18	.03	84	<.001	6	.33	.020	.25	1	<1	.7	<1	1.58	<1	4.2	4.40
SND00-299-24	1.3	49	18	30	14.1	5	15	628	4.11	14	4	9	11	6	<.2	<.5	9.3	3	.10	.026	14	16	.06	48	.003	6	.33	.034	.26	6	<1	.9	<1	3.15	<1	9.2	6.50
RE SND00-299-24	1.1	44	18	29	11.8	5	15	618	4.06	13	4	6	9	6	<.2	<.5	9.6	3	.10	.025	13	16	.06	46	.003	4	.32	.033	.25	6	<1	.9	<1	3.12	<1	11.4	6.05
STANDARD C3/R-1/AU-1	27.8	69	37	167	6.1	38	11	834	3.54	63	27	2	22	30	24.4	18.5	20.6	83	.62	.094	18	185	.64	161	.085	27	1.88	.040	.18	17	1	4.7	<1	.03	6	98.7	3.60

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE REJ. AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 2/00 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ✓

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002635

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-300-5	3.7	222	302	57	2.7	4	4	252	3.66	642	59	<2	8	8	2.0	5.3	<.5	1	.05	.019	7	11	.01	29	<.001	1	.24	.003	.22	4	<1	.3	<1	3.48	<1	1.6	.86
SND00-300-6	5.2	327	424	78	3.5	3	5	255	5.08	542	49	<2	8	7	3.2	7.1	<.5	1	.04	.015	6	15	.02	29	<.001	2	.27	.003	.24	5	<1	.2	<1	4.94	<1	3.1	.72
SND00-300-11	3.4	469	346	199	21.3	3	13	729	6.26	805	13	6	9	2	4.7	18.6	12.1	2	.04	.015	4	14	.02	25	<.001	2	.20	<.001	.20	5	<1	.3	<1	5.46	<1	22.9	13.66
SND00-301-9	4.8	251	95	48	11.3	2	5	452	5.89	87	8	21	9	3	1.0	1.7	31.3	2	.06	.019	9	19	.04	26	.001	1	.29	.006	.28	6	<1	.3	<1	5.01	<1	11.4	44.36
SND00-301-11	3.2	690	160	69	17.0	3	2	542	4.26	152	7	22	7	3	1.6	55.0	15.6	1	.06	.020	5	13	.04	23	<.001	<1	.23	.002	.25	5	<1	.3	<1	3.46	<1	17.2	20.91
SND00-302-4	8.0	1004	210	40	14.7	3	5	52	4.83	72	4	16	7	2	2.3	<.5	14.1	1	.02	.005	4	17	.01	22	<.001	<1	.27	.001	.28	6	<1	.1	<1	4.88	1	15.5	12.67
SND00-302-5	4.5	1063	257	44	20.3	2	4	49	5.52	79	4	19	6	2	2.7	<.5	20.3	1	.02	.004	3	17	.01	16	<.001	2	.18	<.001	.21	4	<1	.1	<1	5.49	<1	20.0	23.68
RE SND00-302-5	5.3	1234	294	50	19.5	3	4	55	6.09	90	5	22	7	1	2.9	.8	23.4	1	.02	.005	3	11	.01	17	<.001	1	.20	<.001	.23	5	<1	.1	<1	6.12	<1	22.0	25.90
RRE SND00-302-5	5.1	1183	290	49	23.4	3	4	54	6.11	90	4	24	6	1	3.0	.7	24.7	<1	.02	.005	3	12	.01	17	<.001	1	.20	<.001	.23	5	<1	.1	<1	6.10	<1	21.6	24.58
SND00-302-10	4.1	441	188	97	5.3	2	1	706	4.54	98	4	6	9	2	.9	.5	25.2	2	.07	.021	4	15	.06	23	<.001	<1	.29	.001	.26	5	<1	.3	<1	3.20	<1	3.9	15.11
SND00-302-12	2.5	1043	306	126	6.1	3	2	579	3.09	73	4	3	9	4	3.2	1.6	3.3	3	.06	.020	8	12	.03	27	<.001	1	.22	.006	.21	4	<1	.5	<1	2.23	1	5.6	6.52
SND00-303-22	10.6	4431	1734	1605	79.1	3	10	38	8.60	636	8	49	2	7	63.8	3.5	29.0	2	.04	.008	2	21	.02	13	<.001	<1	.17	.001	.13	7	<1	.5	<1	8.05	<1	84.1	56.00
STANDARD C3/R-1/AU-1	28.7	65	37	170	5.6	35	11	801	3.29	60	25	2	22	28	25.7	19.3	24.7	80	.56	.093	17	168	.60	158	.090	21	1.80	.035	.16	17	1	4.3	1	.03	7	100.3	3.73

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 28 2000 **DATE REPORT MAILED:** Aug 9/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002635R

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	TotAu gm/mt
SND00-301-9	380	5.56	23.60	38.23
SND00-303-22	710	4.50	37.72	44.06

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 15/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA

ACME ANALYTICAL LABORATORIES LTD. (ISO 02 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002635R

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	TotAg gm/mt
SND00-301-9	380	3.5	9.5	18.7
SND00-303-22	710	4.9	65.2	72.2

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE REJ.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 15/00 **SIGNED BY** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002636

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
SND00-300-8	4.1	67	116	67	13.6	6	6	379	5.04	531	19	4	9	7	.7	3.7	<.5	1	.06	.024	5	153	.02	28	<.001	2	.24	.001	.24	1	<1	.2	<1	4.86	<1
RE SND00-300-8	3.9	64	117	73	20.4	5	5	376	5.03	529	19	10	8	7	.7	3.2	<.5	1	.06	.024	5	151	.02	28	<.001	<1	.24	<.001	.24	1	<1	.2	<1	4.81	<1

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 28 2000 **DATE REPORT MAILED:** Aug 9/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002636

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	DupAg gm/mt	TotAg gm/mt
SND00-300-8	1157	1.02	16.3	13.5	17.2

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUL 28 2000 **DATE REPORT MAILED:** Aug 9/00 **SIGNED BY**.....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002636

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	DupAu gm/mt	TotAu gm/mt
SND00-300-8	1157	.58	4.96	4.28	5.46

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUL 28 2000 **DATE REPORT MAILED:** Aug 9/00 **SIGNED BY.** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 02 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002637 Page 1

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Au* ppb
SND00-298-20	27.3
SND00-298-40	67.2
SND00-299-19	30.9
SND00-299-39	543.9
SND00-299-50	231.7
SND00-299-51	2226.0
SND00-299-52	2881.4
SND00-299-53	75.0
SND00-300-1	114.0
SND00-300-2	38.6
RE SND00-300-2	33.2
RRE SND00-300-2	86.3
SND00-300-3	285.6
SND00-300-4	312.8
SND00-300-7	3.7
SND00-300-9	27.7
SND00-300-10	235.7
SND00-300-12	3.9
SND00-300-13	59.7
SND00-300-14	256.8
SND00-300-15	1464.4
SND00-300-16	38.0
SND00-300-17	994.9
SND00-300-18	564.8
SND00-300-19	18516.2
RE SND00-300-19	13624.4
RRE SND00-300-19	8215.5
SND00-301-1	64.6
SND00-301-2	37.3
SND00-301-3	373.4
SND00-301-4	198.8
SND00-301-5	327.9
SND00-301-6	68.7
STANDARD DS2	225.9

AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (20 gm)
- SAMPLE TYPE: CORE
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 28 2000 **DATE REPORT MAILED:** Aug 8/00 **SIGNED BY.** C. Trong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay recommended for gold >1000 ppb

Data ___ FA ___

SAMPLE#	Au* ppb
SND00-301-7	39.3
SND00-301-8	8.9
SND00-301-10	53.5
SND00-301-12	4.4
SND00-301-13	1.8
SND00-301-14	86.1
SND00-301-15	200.0
SND00-301-16	271.3
SND00-301-17	1003.3
SND00-301-18	712.0
RE SND00-301-18	1048.7
RRE SND00-301-18	11030.3
SND00-301-19	12101.5
SND00-301-20	12.2
SND00-301-21	332.6
SND00-301-22	17.8
SND00-301-23	12.7
SND00-302-1	201.8
SND00-302-2	9420.8
SND00-302-3	5.6
SND00-302-6	36.6
SND00-302-7	46.1
SND00-302-8	134.1
SND00-302-9	27.3
RE SND00-302-9	51.9
RRE SND00-302-9	26.3
SND00-302-11	53.8
SND00-302-13	21.7
SND00-302-14	1497.2
SND00-303-1	721.2
SND00-303-2	117.8
SND00-303-3	53.4
SND00-303-4	484.5
SND00-303-5	50.7
STANDARD DS2	215.8

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA ___

SAMPLE#	Au* ppb
SND00-303-6	8.0
SND00-303-7	599.3
SND00-303-8	23.7
SND00-303-9	47.0
SND00-303-10	43.5
SND00-303-11	.5
SND00-303-12	158.7
SND00-303-13	5.2
SND00-303-14	2.1
SND00-303-15	7.8
SND00-303-16	1.5
RE SND00-303-16	1.5
RRE SND00-303-16	1.4
SND00-303-17	5.6
SND00-303-18	18.7
SND00-303-19	2042.4
SND00-303-20	1719.9
SND00-303-21	54.5
SND00-303-23	3926.8
SND00-303-24	12.3
SND00-303-25	13.2
STANDARD DS2	218.0

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-2 File # A002637R

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-300-19	2.2	275	204	112	7.4	5	2	1039	2.45	49	11	3	10	12	1.2	2.3	4.5	4	.09	.027	17	14	.05	69	.002	7	.35	.027	.27	5	<1	.8	<1	1.24	<1	7.3	7.95
SND00-301-18	6.0	175	162	56	4.9	9	1	525	2.24	24	7	3	11	10	.8	2.3	.5	4	.08	.026	27	19	.05	71	.005	5	.34	.040	.24	1	<1	.9	<1	1.22	1	2.9	3.41
SND00-301-19	2.1	278	111	76	2.0	4	<1	770	2.32	31	4	4	10	6	.8	2.2	1.9	4	.08	.023	17	13	.05	43	.002	5	.31	.021	.25	6	<1	.7	<1	1.22	1	2.4	13.74
SND00-302-2	4.8	1412	96	88	4.8	7	<1	640	4.49	45	4	<2	8	2	1.6	<.5	3.9	2	.08	.024	5	16	.07	23	<.001	6	.37	.006	.32	1	<1	.4	<1	3.84	<1	4.3	3.79
RE SND00-302-2	5.0	1407	94	86	4.5	7	<1	634	4.28	43	4	2	7	2	1.6	.7	3.6	1	.08	.024	5	15	.07	23	<.001	3	.36	.005	.32	1	<1	.2	<1	3.76	<1	5.5	5.02

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE REJ. AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 2/00 **SIGNED BY** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002821
1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-305-3	20.6	13	115	51	18.5	3	7	86	7.94	12898	2	6	1	2	<.2	32.2	2.4	1	.02	.007	3	33	.01	13	.002	<1	.09	.004	.06	11	<1	<.1	1	5.74	<1	19.1	5.26
SND00-306-3	2.1	9	58	44	1.9	3	<1	48	.54	20	7	<2	<1	<1	.4	<.5	.6	<1	.01	.001	1	19	<.01	44	.001	<1	.04	.002	.03	7	<1	.1	1	.25	<1	2.7	.37
SND00-307-2	5.6	41	61	65	13.1	2	4	420	3.18	165	33	4	5	5	.8	4.5	1.6	2	.06	.016	8	22	.02	23	.001	<1	.29	.004	.22	8	<1	.2	1	2.76	<1	15.5	3.21
SND00-308-3	16.8	67	71	55	4.0	2	3	436	2.29	91	61	<2	7	8	1.1	3.2	.8	<1	.13	.017	11	10	.05	38	.001	<1	.30	.005	.21	3	<1	.3	<1	1.83	<1	4.7	.70
SND00-308-4	16.9	61	55	51	2.6	1	2	500	1.89	67	38	<2	8	10	1.0	2.5	.5	1	.15	.018	13	15	.06	42	.001	1	.37	.005	.23	4	<1	.3	<1	1.24	<1	3.0	.26
RE SND00-308-4	19.3	60	54	48	2.6	2	3	493	1.86	64	37	<2	7	10	1.0	3.0	.7	1	.14	.018	13	15	.05	41	<.001	1	.36	.005	.22	4	<1	.5	<1	1.23	<1	4.2	.26

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE R150 60C AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2000 **DATE REPORT MAILED:** Aug 16/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002822

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
SND00-304-3	219.2	2179	97	72	82.4	13	11	401	7.36	197	15	31	3	4	1.2	.9	7.5	3	.09	.021	3	244	.08	15	<.001	4	.24	.006	.17	1	<1	.7	<1	6.82	<1
SND00-309-27	5.6	2628	1212	236	64.6	9	11	41	7.39	357	5	23	3	8	4.5	63.5	30.4	2	.02	.002	3	336	.01	15	<.001	3	.14	.003	.11	<1	<1	.1	1	7.81	1
RE SND00-309-27	6.1	2626	1184	230	61.1	9	11	43	7.29	361	5	18	2	8	4.6	64.2	31.4	1	.02	.002	3	333	.01	14	<.001	4	.14	.003	.11	1	<1	.1	1	7.90	<1

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

ASSAY CE. .FICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002822

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAg mg	-Ag gm/mt	DupAg gm/mt	TotAg gm/mt
SND00-304-3	971	1.6	78.0	-	79.7
SND00-309-27	1350	4.1	58.8	59.7	61.9

-AG : -150 AG BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAG: AG DUPLICATED FROM -150 MESH. NAG - NATIVE SILVER, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE R150 60C

DATE RECEIVED: AUG 8 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY.** C. L .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 02 Accredited Co.)

ASSAY CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002822

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	S.Wt gm	NAu mg	-Au gm/mt	DupAu gm/mt	TotAu gm/mt
SND00-304-3	971	2.31	24.85	-	27.23
SND00-309-27	1350	2.35	17.57	17.16	19.31

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.
- SAMPLE TYPE: CORE R150 60C

DATE RECEIVED: AUG 8 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISC 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002823 Page 1

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Au* ppb
SND00-304-1	984.6
SND00-304-2	180.2
SND00-304-4	206.8
SND00-304-5	189.3
SND00-304-6	9.8
SND00-304-7	7.2
SND00-305-1	943.0
SND00-305-2	21.3
SND00-305-4	159.8
SND00-305-5	12.8
RE SND00-305-5	7.7
RRE SND00-305-5	8.3
SND00-306-1	26.0
SND00-306-2	129.7
SND00-306-4	212.4
SND00-306-5	11.0
SND00-307-1	42.5
SND00-307-3	292.5
SND00-307-4	4.5
SND00-308-1	5.7
SND00-308-2	5.3
SND00-308-5	.4
SND00-308-6	5.6
SND00-308-7	<.2
RE SND00-308-7	<.2
RRE SND00-308-7	3.2
SND00-309-1	1005.8
SND00-309-2	17.4
SND00-309-3	5626.5
SND00-309-4	85.2
SND00-309-5	113.5
SND00-309-6	702.9
SND00-309-7	62838.1
STANDARD DS2	194.3

AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (20 gm)
- SAMPLE TYPE: CORE R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 2000 **DATE REPORT MAILED:** Aug 16/00 **SIGNED BY.** C. Toye D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ___

SAMPLE#	Au* ppb
SND00-309-8	143.3
SND00-309-9	95.3
SND00-309-10	41.9
SND00-309-11	5.4
SND00-309-12	2252.5
SND00-309-13	33.7
SND00-309-14	511.3
SND00-309-15	30.2
SND00-309-16	13.1
SND00-309-17	5.4
SND00-309-18	.3
RE SND00-309-18	.3
RRE SND00-309-18	.6
SND00-309-19	6.3
SND00-309-20	57.8
SND00-309-21	25.4
SND00-309-22	13.3
SND00-309-23	<.2
SND00-309-24	18.7
SND00-309-25	134.9
SND00-309-26	16.4
SND00-309-28	185.8
SND00-309-29	14.9
SND00-309-30	101.3
RE SND00-309-30	98.6
RRE SND00-309-30	76.0
SND00-309-31	343.5
SND00-309-32	154.3
SND00-309-33	13814.7
SND00-309-34	42.1
SND00-309-35	681.2
STANDARD DS2	189.2

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Fairfield Minerals Ltd. PROJECT ELK/00-3 File # A002823R

1420 - 700 W. Georgia St., Vancouver BC V7Y 1B6 Submitted by: W. Jakubowski

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Ag** gm/mt	Au** gm/mt
SND00-309-3	5.6	114	170	69	2.8	8	2	1008	2.12	38	11	<2	11	6	.7	1.1	<.5	4	.09	.026	19	17	.05	37	.002	3	.29	.029	.22	2	<1	.8	<1	1.04	<1	2.0	3.20
SND00-309-7	3.5	553	462	62	21.5	5	1	233	3.30	290	10	40	7	3	6.4	19.2	12.9	2	.05	.018	4	15	.02	25	<.001	3	.29	.007	.29	6	<1	.3	<1	3.13	<1	13.3	16.35
SND00-309-33	6.1	594	37	130	5.0	7	5	1623	5.32	44	13	13	7	29	.7	1.1	11.8	6	.26	.074	12	15	.20	39	.001	7	.54	.011	.42	1	<1	2.1	<1	2.67	1	3.8	13.36
RE SND00-309-33	5.7	606	37	133	5.7	7	5	1624	5.27	44	12	15	7	29	.8	.6	11.7	6	.27	.073	12	14	.20	39	.001	6	.55	.010	.42	1	<1	2.1	<1	2.67	2	5.3	11.00

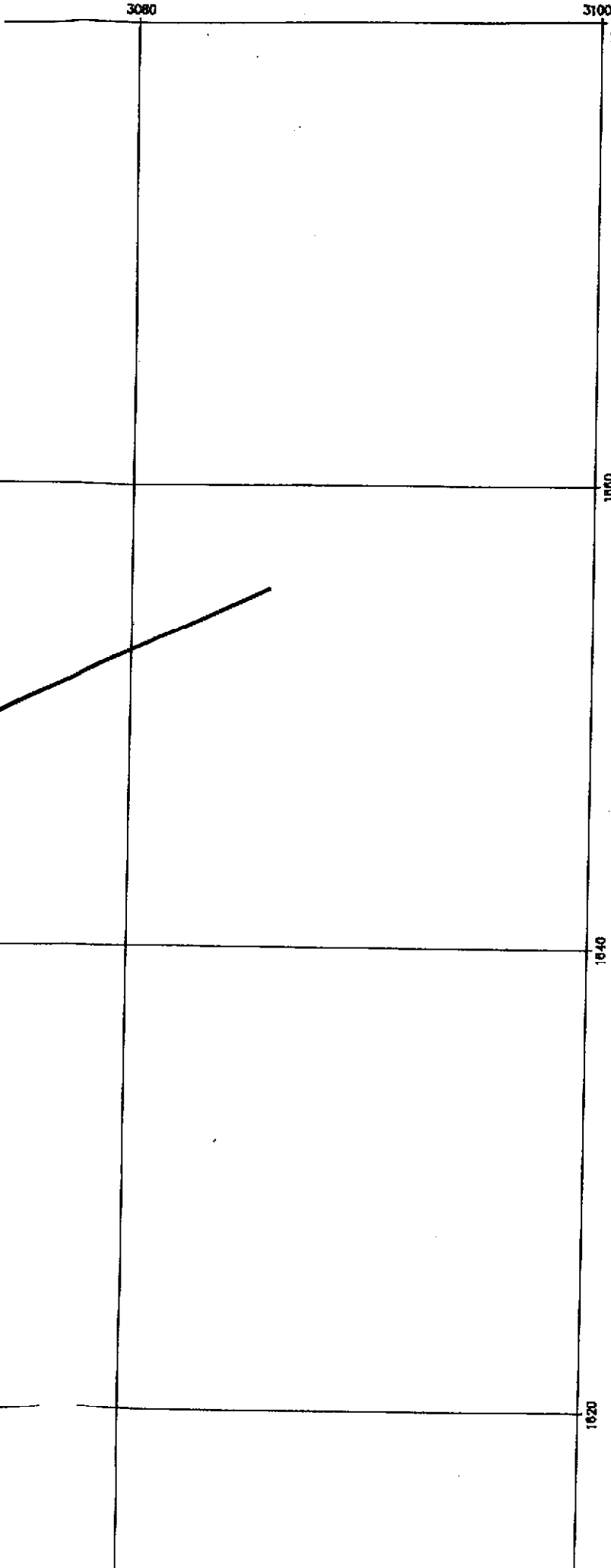
GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE REJ. AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 2/00 **SIGNED BY**.....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA

Appendix "B"

Diamond Drill Hole Summary Logs



LEGEND

LITHOLOGY

CS	CASING	
MI	MISSING CORE	
OB	OVERBURDEN	

TERTIARY

AD	ANDESITE DYKE	dark greyish-green to olive green, fine-grained to weakly porphyritic
BR	BRECCIA	fragmented rock in a clay or clay-chlorite rich matrix; commonly grades into gouge
GG	GOUGE	clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV	QUARTZ VEIN	white to grey quartz with some ankerite; commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP	APLITE	pink to light grey, fine grained, sucrosic, may grade into pegmatite
FP	FELDSPAR PORPHYRY	pink to red, medium fine-grained, K-spar rich
GC	GRANODIORITE CHILL MARGIN	very dark grey, fine grained; up to 25% biotite or hornblende
GD	GRANODIORITE	medium to dark grey, fine to medium grained, with 10% to 20
GR	GRANITE	pink to pinkish grey, quartz - K-spar rich with some hornblende
PG	PEGMATITE	pink to light grey, very coarse grained to megacrystic; quartz - K-spar - muscovite rich
QM	QUARTZ MONZONITE	light to medium pinkish grey,medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV	ANDESITIC VOLCANICS	dark grey-green to near black, very fine-grained to aphanitic
(PV)	PORPHYRITIC VOLCANIC	as above; phenocrysts of plagioclase or hornblende to about 20%
(VB)	VOLCANIC BRECCIA	as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

ALTERATION CODES

A(n)	ARGILLIC	P(n)	PROPYLITIC
PH(n)	PHYLLIC	S(n)	SERICITIC
PK	K-spar STABLE PHYLLIC	SK	SKARN
K(n)	POTASSIC	X(n)	SILICIFICATION
B(n)	ALBITIC		

(n = 1 TO 5, WEAK TO INTENSE)

SULFIDE CONTENT CODES (quartz veins)

vg	visible gold
Y	less than 1% sulfide
Y1	1% to 5
Y2	5 - 10% sulfide
Y3	10 - 20% sulfide
Y4	20 - 30% sulfide
Y5	greater than 30% sulfide

SYMBOLS

——— LITHOLOGIC CONTACT

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00298 | PAGE: 1 OF: 6

AREA: WD Zone | DIP: -69.0 | AZIMUTH (t): 000.0 | DEPTH: 190.80 m

CLAIM: SNLEASE | NORTHING: 3499.83 | DATE STARTED: 13-Jul-2000

SECTION: 2570E | EASTING: 2570.65 | DATE FINISHED: 15-Jul-2000

CORE SIZE: NQ | ELEVATION: 1646.38 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 92.89% RQD: 54.00% CORE STORED AT: Elk Rack 3 Bay 24 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the eastern continuity of the WD vein . Two 8cm quartz veins were intersected at the projected depth

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							metallics		PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-69.0	000.0	.0	2.13	2.13		CS									
33.83	-67.6	000.0	2.13	5.72	3.59		P1QM									
97.93	-67.3	000.0	5.72	5.75	0.03		QV									
159.10	-67.5	000.0	5.72	11.18	5.46		P1QM									
			11.18	12.10	0.92		P3QM									
			11.18	13.69	2.51		P2QM									
			13.69	13.76	0.07		P3QM									
			13.76	13.79	0.03		QV									
			13.79	13.90	0.11		F4QM									
			13.90	13.92	0.02		QV									
			13.92	14.10	0.18		K2QM									
			14.10	14.27	0.17		F4QM									
			14.27	14.30	0.03		QV									
			14.30	14.69	0.39		K2QM									
			14.69	14.96	0.27		P4QM									
			14.96	16.10	1.14		K2QM									
			16.10	16.46	0.36		P3QM									
			16.46	16.85	0.39		S3QM									
			16.85	17.12	0.27		P3AD									
			17.12	17.75	0.63		S3QM									
			17.75	17.78	0.03		GG									
			17.78	19.20	1.42		K4QM									
			19.20	19.60	0.40		P3QM									
			19.60	19.75	0.15		F4QM									
			19.75	21.05	1.30		P4QM									
			21.05	22.57	1.52		K4QM									
			22.57	26.00	3.43		P3QM									
			26.00	27.60	1.60		K2QM									
			27.60	27.90	0.30		K1QM									
			27.90	30.52	2.62		S1QM									
			30.52	30.84	0.32		F3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00298 PAGE 2 OF 6

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			30.84	30.85	0.01		QV									
			30.85	31.00	0.15		F3QM									
			31.00	31.02	0.02		QV									
			31.02	31.10	0.08		F3QM									
			31.10	32.61	1.51		S1QM									
			32.61	35.30	2.69		S3QM									
			35.30	35.35	0.05		F2QM									
			35.35	35.36	0.01		QV									
			35.36	35.45	0.09		F3QM									
			35.45	35.46	0.01		QV									
			35.46	35.53	0.07		F3QM									
			35.53	36.00	0.47		S3QM									
			36.00	36.50	0.50		S3QM									
			36.50	48.10	11.60		QM									
			48.10	48.90	0.80		S3QM									
			48.90	48.95	0.05		F3QM									
			48.95	48.97	0.02		QV									
			48.97	49.10	0.13		F3QM									
			49.10	49.12	0.02		GG									
			49.12	49.20	0.08		F3QM									
			49.20	50.65	1.45		S3QM									
			50.65	50.66	0.01		QV									
			50.66	50.75	0.09		S3QM									
			50.75	52.20	1.45		P1QM									
			52.20	53.90	1.70		QM									
			53.90	54.12	0.22		P2QM									
			54.12	54.14	0.02		QV									
			54.14	54.20	0.06		P2QM									
			54.20	55.10	0.90		QM									
			55.10	55.20	0.10		P2QM									
			55.20	55.22	0.02		QV									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00298 PAGE 3 OF 6

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			55.22	55.30	0.08		F2QM									
			55.30	56.50	1.20		QM									
			56.50	56.51	0.01		QV									
			56.51	56.60	0.09		F2QM									
			56.60	56.90	0.30		P1QM									
			56.90	57.05	0.15		F2QM									
			57.05	57.90	0.85		S2QM									
			57.45	60.18	2.73		P1QM									
			60.18	60.60	0.42		F3QM									
			60.60	61.65	1.05		P1QM									
			61.65	61.75	0.10		F3QM									
			61.75	63.50	1.75		P1QM									
			63.50	81.41	17.91		QM									
			81.41	82.80	1.39		S2QM									
			82.80	87.65	4.85		QM									
			87.65	88.35	0.70		S1QM									
			88.35	88.50	0.15		F3QM									
			88.50	90.25	1.75		P1QM									
			90.25	93.15	2.90		S1QM									
			93.15	93.86	0.71		F3QM									
			93.86	95.45	1.59		P2QM									
			95.45	95.88	0.43		S3QM									
			95.88	96.05	0.17		K2QM									
			96.05	102.20	6.15		P2QM									
			97.93	98.03	0.10		K2QM									
			98.80	98.95	0.15		K1QM									
			102.20	102.95	0.75		K1QM									
			102.95	103.95	1.00		K3QM									
			103.95	120.34	16.39		P2QM									
			120.34	120.90	0.56		K1QM									
			120.90	121.55	0.65		F3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00298 PAGE 4 OF 6

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA		MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			121.55	122.72	1.17		K2QM										
			122.72	135.60	12.88		P1QM										
			135.60	137.20	1.60		K2QM										
			137.20	137.65	0.45		K1QM										
			137.65	139.70	2.05		P2QM										
			139.70	140.30	0.60		K1QM										
			140.30	140.55	0.25		F3QM										
			140.55	141.55	1.00		K2QM										
			141.55	158.35	16.80		P1QM										
			158.35	158.80	0.45		K2QM										
			158.80	160.05	1.25		K3QM										
			160.05	160.17	0.12		Y3QV										
			160.17	162.00	1.83		K3QM										
			162.00	163.50	1.50		K2QM										
			163.50	164.65	1.15		S4QM										
			164.65	164.95	0.30		F4QM										
			164.95	165.10	0.15		Y2QV										
			165.10	165.20	0.10		GG										
			165.20	165.30	0.10		Y1QV										
			165.30	166.20	0.90		A4QM										
			166.20	166.40	0.20		GG										
			166.40	168.25	1.85		K2QM										
			168.25	168.70	0.45		K3QM										
			168.70	169.30	0.60		KFQM										
			169.30	170.30	1.00		S2QM										
			170.30	170.50	0.20		F4QM										
			170.50	173.10	2.60		KFQM										
			173.10	173.43	0.33		AP										
			173.43	173.53	0.10		KFQM										
			173.53	173.90	0.37		F5QM										
			173.90	180.00	6.10		KFQM										
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00298 PAGE 5 OF 6

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD									Metallics	FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			180.00	180.14	0.14		GG									
			180.14	180.58	0.44		F5QM									
			180.58	181.82	1.24		K3DI									
			181.82	185.20	3.38		K1DI									
			185.20	186.80	1.60		GD									
			186.80	186.90	0.10		F4GD									
			186.90	190.80	3.90		GD									
			5.55	5.85	0.30	00.28		298-1					0.362	10600	0.005	04.10
			13.26	13.76	0.50	00.43		298-2						00076		
			13.76	14.29	0.53	00.46		298-3						00926		
			14.29	14.80	0.51	00.44		298-4						00122		
			14.80	16.46	1.66	01.44		298-5						00063		
			19.20	19.75	0.55	00.48		298-6						00745		
			30.52	31.10	0.58	00.53		298-7						02617		
			35.15	35.53	0.38	00.33		298-8						00634		
			35.53	36.00	0.47	00.41		298-9						00070		
			48.90	49.20	0.30	00.28		298-10					0.134	02743	0.166	07.80
			50.45	50.75	0.30	00.30		298-11					0.109	04515	0.169	05.60
			53.90	54.20	0.30	00.27		298-12						01393		
			55.10	55.30	0.20	00.18		298-13						00563		
			56.30	56.60	0.30	00.28		298-14						00040		
			60.15	60.65	0.50	00.45		298-15						00040		
			61.55	61.85	0.30	00.27		298-16						00373		
			93.15	93.86	0.71	00.68		298-17						00013		
			95.80	96.10	0.30	00.29		298-18						00003		
			102.95	103.95	1.00	00.95		298-19						00001		
			120.90	121.55	0.65	00.61		298-22						00250		
			125.95	126.20	0.25	00.24		298-23						00011		
			140.30	140.55	0.25	00.24		298-24					0.003		0.012	00.50
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00298 PAGE 6 OF 6

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			158.95	159.95	1.00	00.87		298-25							0.015	00.50
			159.95	160.17	0.22	00.19		298-26			2.656					
			160.17	160.63	0.46	00.40		298-27					0.002		0.017	00.60
			160.63	161.35	0.72	00.62		298-28					0.001		0.032	00.50
			161.35	163.50	2.15	01.95		298-29						00030		
			163.50	164.65	1.15	01.04		298-30						00011		
			164.65	164.95	0.30	00.27		298-31					0.031		0.076	02.50
			164.95	165.30	0.35	00.32		298-32			1.826					93.40
			165.30	166.40	1.10	01.00		298-33						00036		
			166.40	168.25	1.85	01.68		298-34						00014		
			168.25	169.10	0.85	00.77		298-35						00064		
			169.10	170.10	1.00	00.91		298-36						00007		
			173.53	173.90	0.37	00.34		298-37						00032		
			180.14	180.50	0.36	00.36		298-38						00037		
			186.80	187.18	0.38	00.37		298-39						00004		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00299 | PAGE: 1 OF: 7

AREA: WD Zone
CLAIM: SNLEASE
SECTION: 2520E
CORE SIZE: NQ
CORE RECOVERY: 95.07% RQD: 56.29%

DIP: -68.0 AZIMUTH (t): 001.0
NORTHING: 3455.85
EASTING: 2520.81
ELEVATION: 1646.49
CORE STORED AT: Elk Rack 3 Bay 24

DEPTH: 238.05 m
DATE STARTED: 15-Jul-2000
DATE FINISHED: 18-Jul-2000
CONTRACTOR: Leclerc Drilling
LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the downdip continuity of the WD zone . 40cm and 57cm veins were intersected 10m shallower than ancipated..

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD									Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-68.0	001.0	.0	3.93	3.93		CS									
33.80	-67.3	001.0	3.93	11.10	7.17		P1QM									
98.12	-67.2	001.0	11.10	12.12	1.02		P2QM									
159.11	-67.0	001.0	12.12	12.55	0.43		XFQM									
213.97	-66.5	001.0	12.55	14.45	1.90		P2QM									
			14.45	14.90	0.45		F5QM									
			14.90	15.05	0.15		Y1QV									
			15.05	15.10	0.05		F2QM									
			15.10	16.85	1.75		P2QM									
			16.85	16.95	0.10		F4QM									
			16.95	17.60	0.65		P2QM									
			17.60	17.90	0.30		F2QM									
			17.90	20.65	2.75		P2QM									
			20.65	21.00	0.35		X1QM									
			21.00	21.90	0.90		P2QM									
			21.90	22.42	0.52		S2QM									
			22.42	22.75	0.33		F5QM									
			22.75	22.87	0.12		QV									
			22.87	23.20	0.33		F5QM									
			23.20	24.05	0.85		S5QM									
			24.05	24.55	0.50		F4QM									
			24.55	24.95	0.40		S4QM									
			24.95	25.60	0.65		F5QM									
			25.60	25.70	0.10		GG									
			25.70	29.78	4.08		S4QM									
			29.78	29.79	0.01		Y1QV									
			29.79	30.25	0.46		S4QM									
			30.25	30.45	0.20		F5QM									
			30.45	32.55	2.10		S4QM									
			32.55	32.65	0.10		P3QM									
			32.65	32.75	0.10		F5QM									
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 2 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			32.75	32.95	0.20		S5QM									
			32.95	33.05	0.10		F5QM									
			33.05	36.43	3.38		P3QM									
			36.43	36.52	0.09		F3QM									
			36.52	36.55	0.03		Y2QV									
			36.55	36.80	0.25		P3QM									
			36.80	37.80	1.00		S4QM									
			37.80	39.45	1.65		P3QM									
			39.45	42.35	2.90		S2QM									
			42.35	43.50	1.15		S4QM									
			43.50	43.55	0.05		GG									
			43.55	44.75	1.20		S4QM									
			44.75	45.37	0.62		F4QM									
			45.37	47.83	2.46		S4QM									
			47.83	47.98	0.15		F4QM									
			47.98	49.90	1.92		S3QM									
			49.90	51.35	1.45		P2QM									
			51.35	51.38	0.03		Y1QV									
			51.38	59.59	8.21		P2QM									
			58.70	58.71	0.01		QV									
			58.71	60.20	1.49		F4QM									
			60.20	61.20	1.00		AD									
			61.20	62.90	1.70		S2QM									
			62.90	63.30	0.40		P3QM									
			63.30	64.30	1.00		S2QM									
			64.30	64.80	0.50		F3QM									
			64.80	64.82	0.02		Y5QV									
			64.82	65.30	0.48		F2QM									
			65.30	71.15	5.85		P2QM									
			71.15	74.80	3.65		P1QM									
			74.80	78.60	3.80		QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 3 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK				
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			78.60	80.95	2.35		P1QM									
			80.95	83.30	2.35		QM									
			83.30	89.10	5.80		P1QM									
			89.10	92.20	3.10		QM									
			92.20	92.95	0.75		FKQM									
			92.95	94.30	1.35		S2QM									
			94.30	99.00	4.70		FKQM									
			99.00	101.60	2.60		P3QM									
			101.60	103.75	2.15		F3QM									
			103.75	104.30	0.55		FKQM									
			104.30	104.75	0.45		F3QM									
			104.75	106.11	1.36		P3QM									
			106.11	106.13	0.02		Y4QV									
			106.13	108.60	2.47		P3QM									
			108.60	108.62	0.02		Y4QV									
			108.62	108.80	0.18		P3QM									
			108.80	108.81	0.01		Y4QV									
			108.81	109.90	1.09		P3QM									
			109.90	111.95	2.05		FKQM									
			111.95	120.55	8.60		P2QM									
			120.55	120.75	0.20		S2QM									
			120.75	120.88	0.13		F4QM									
			120.88	121.67	0.79		S3QM									
			121.67	121.85	0.18		F4QM									
			121.85	125.90	4.05		S1QM									
			125.90	139.32	13.42		QM									
			139.32	139.34	0.02		GGQV									
			139.34	139.50	0.16		S3QM									
			139.50	187.70	48.20		QM									
			187.70	188.98	1.28		K3QM									
			188.98	195.15	6.17		QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 4 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			195.15	197.90	2.75		K2QM									
			197.90	198.15	0.25		PKQM									
			198.15	198.40	0.25		P4QM									
			198.40	198.50	0.10		GGQV									
			198.50	199.00	0.50		NR									
			199.00	199.20	0.20		AAQM									
			199.20	199.32	0.12		P4QM									
			199.32	201.90	2.58		K3QM									
			201.90	202.20	0.30		P4QM									
			202.20	204.00	1.80		K3QM									
			204.00	207.40	3.40		PKQM									
			207.40	207.76	0.36		AAQM									
			207.76	208.05	0.29		P5GD									
			208.05	208.45	0.40		VGQV									
			208.45	209.00	0.55		A5GD									
			209.00	209.01	0.01		GG									
			209.01	209.50	0.49		P4GD									
			209.50	209.52	0.02		GG									
			209.52	210.50	0.98		P5GD									
			210.50	210.52	0.02		GG									
			210.52	211.34	0.82		A4GD									
			211.34	211.55	0.21		GG									
			211.55	211.90	0.35		A4GD									
			211.90	212.15	0.25		P5GD									
			212.15	212.70	0.55		A4GD									
			212.70	212.71	0.01		Y2GG									
			212.71	212.75	0.04		P5GD									
			212.75	212.85	0.10		QV									
			212.85	213.02	0.17		P5GD									
			213.02	213.22	0.20		Y2QV									
			213.22	213.50	0.28		A3GD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 5 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			213.50	215.62	2.12		P2GD									
			214.10	214.65	0.55		S2GD									
			214.80	215.62	0.82		P1GD									
			215.62	215.95	0.33		K1GD									
			215.62	216.20	0.58		K1GD									
			216.10	216.20	0.10		K1GD									
			216.10	218.37	2.27		GD									
			216.20	216.74	0.54		P1GD									
			216.74	218.60	1.86		K2GD									
			218.37	218.47	0.10		S4GD									
			218.47	218.60	0.13		P3GD									
			218.60	218.75	0.15		P4GD									
			218.75	219.20	0.45		S4GD									
			219.20	222.83	3.63		GD									
			219.20	227.95	8.75		GD									
			222.83	223.03	0.20		PKGD									
			223.03	214.10	-8.93		S4GD									
			227.95	228.00	0.05		P4GD									
			228.00	231.60	3.60		S2GD									
			231.60	233.10	1.50		S1GD									
			233.10	234.10	1.00		P2GD									
			234.10	235.80	1.70		S3GD									
			235.80	236.35	0.55		PKGD									
			236.35	236.50	0.15		AP									
			236.50	237.05	0.55		S4GD									
			237.05	238.05	1.00		GD									
			. 0	. 0	0.00	00.00		299-20						00001		
			12.12	12.42	0.30	00.28		299-1					0.152	06845	0.143	04.70
			13.90	14.90	1.00	00.95		299-2						00059		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 6 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			14.90	15.15	0.25	00.24		299-3					0.158		0.324	10.60
			15.15	16.85	1.70	01.62		299-4						00020		
			16.85	17.15	0.30	00.28		299-5						00873		
			17.15	17.90	0.75	00.71		299-6						00009		
			21.40	22.42	1.02	00.88		299-7						00019		
			22.42	23.05	0.63	00.53		299-8					0.002		0.058	02.00
			23.05	24.05	1.00	00.87		299-9						00007		
			24.05	24.55	0.50	00.49		299-10						00033		
			30.20	30.50	0.30	00.28		299-11					0.128	04987	0.122	05.40
			32.65	33.05	0.40	00.36		299-12						00459		
			36.43	36.80	0.37	00.34		299-13						01230		
			43.20	43.50	0.30	00.10		299-14						00234		14.10
			44.00	44.30	0.30	00.26		299-15						00014		
			44.70	45.37	0.67	00.61		299-16						01015		
			47.75	48.05	0.30	00.28		299-17						00046		
			49.30	49.60	0.30	00.28		299-18						00091		
			51.30	51.60	0.30	00.29		299-21					0.284		0.178	05.30
			59.60	59.90	0.30	00.28		299-22						00024		
			62.90	63.30	0.40	00.36		299-23						00109		
			64.65	65.00	0.35	00.29		299-24					0.190	05121	0.268	
			65.00	65.30	0.30	00.25		299-25						00032		
			97.15	97.45	0.30	00.30		299-26						00027		
			98.00	98.60	0.60	00.21		299-27						00021		
			98.60	99.00	0.40	00.39		299-28						00067		
			99.00	99.40	0.40	00.35		299-29						00260		
			102.10	102.50	0.40	00.17		299-30						00020		
			102.50	102.80	0.30	00.26		299-31						00142		
			104.30	104.75	0.45	00.39		299-32						00632		
			106.00	106.30	0.30	00.28		299-33						03100		
			108.45	108.90	0.45	00.42		299-34						00424		
			109.95	110.05	0.10	00.09		299-35						00012		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00299 PAGE 7 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			121.55	121.85	0.30	00.28		299-36						00824		
			139.20	139.50	0.30	00.25		299-37						00015		
			156.35	156.65	0.30	00.25		299-38						00003		
			198.30	198.60	0.30	00.30		299-41						00363		
			206.76	207.76	1.00	00.77		299-42						00028		
			207.76	208.05	0.29	00.24		299-43					0.021		0.192	06.60
			208.05	208.45	0.40	00.36		299-44			1.563					
			208.45	209.50	1.05	00.94		299-45						00332		
			209.50	211.90	2.40	02.14		299-46						00138		
			211.90	212.75	0.85	00.74		299-47						00354		
			212.75	213.22	0.47	00.41		299-48			0.496					19.10
			213.22	214.22	1.00	00.87		299-49						00038		
			214.22	214.52	0.30	00.29		299-50						00232		
			215.90	216.20	0.30	00.29		299-51						02226		
			217.95	218.75	0.80	00.79		299-52						02881		
			218.75	219.60	0.85	00.84		299-53						00075		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00300 | PAGE: 1 OF: 7

AREA: Siwash North | DIP: -75.0 | AZIMUTH (t): 353.0 | DEPTH: 69.19 m

CLAIM: SNLEASE | NORTHING: 3439.12 | DATE STARTED: 18-Jul-2000

SECTION: 2540E | EASTING: 2539.77 | DATE FINISHED: 20-Jul-2000

CORE SIZE: NQ | ELEVATION: 1648.22 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 93.19% RQD: 54.82% | CORE STORED AT: Elk Rack 3 Bay 24 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to fill-in the drill hole density in the Ph 5.5 pit area. Numerous narrow veins were intersected.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-75.0	353.0	0	3.05	3.05		CS									
34.60	-74.0	353.0	3.05	12.30	9.25		QM									
			12.30	12.95	0.65		P1QM									
			12.95	12.96	0.01		Y2QV									
			12.96	16.65	3.69		P1QM									
			16.65	18.75	2.10		FKQM									
			18.75	22.12	3.37		P2QM									
			22.12	23.40	1.28		S3QM									
			23.40	23.55	0.15		GG									
			23.55	23.78	0.23		S3QM									
			23.78	27.65	3.87		P3QM									
			27.65	28.13	0.48		S3QM									
			28.13	28.50	0.37		F3QM									
			28.50	30.85	2.35		P3QM									
			30.85	31.52	0.67		S4QM									
			31.52	31.67	0.15		F4QM									
			31.67	31.70	0.03		GG									
			31.70	31.73	0.03		Y4QV									
			31.73	32.34	0.61		F4QM									
			32.34	32.37	0.03		GG									
			32.37	32.42	0.05		Y4QV									
			32.42	32.50	0.08		F4QM									
			32.50	34.00	1.50		S4QM									
			34.00	37.40	3.40		P3QM									
			37.40	39.10	1.70		FKQM									
			39.10	39.25	0.15		GG									
			39.25	42.30	3.05		S4QM									
			42.30	42.55	0.25		FKQM									
			42.55	42.74	0.19		P4QM									
			42.74	42.76	0.02		Y1QV									
			42.76	42.86	0.10		P4QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00300 PAGE 2 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			42.86	43.17	0.31		S4QM									
			43.17	43.28	0.11		F5QM									
			43.28	43.36	0.08		Y2QV									
			43.35	43.41	0.06		F5QM									
			43.41	43.76	0.35		S3QM									
			43.76	45.00	1.24		P3QM									
			45.00	46.65	1.65		S4QM									
			46.65	49.10	2.45		P3QM									
			49.10	49.30	0.20		F4QM									
			49.30	51.45	2.15		P3QM									
			51.45	52.06	0.61		F3QM									
			52.06	52.50	0.44		S3QM									
			52.50	52.60	0.10		FKQM									
			52.60	54.40	1.80		P2QM									
			54.40	55.30	0.90		S3QM									
			55.30	55.70	0.40		FKQM									
			55.70	56.35	0.65		P1QM									
			56.35	56.80	0.45		S3QM									
			56.80	57.00	0.20		F4QM									
			57.00	58.50	1.50		S2QM									
			58.50	59.15	0.65		P1QM									
			59.15	59.55	0.40		F4QM									
			59.55	63.40	3.85		P1QM									
			63.40	64.10	0.70		S4QM									
			64.10	64.20	0.10		GG									
			64.20	65.10	0.90		S4QM									
			65.10	69.19	4.09		P1QM									
			12.80	13.10	0.30	00.29		300-1						00114		
			18.25	18.75	0.50	00.45		300-2						00039		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00300 PAGE 3 OF 7

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			26.65	27.30	0.65	00.59		300-3						00286		
			27.80	28.40	0.60	00.54		300-4						00004		
			31.52	32.00	0.48	00.47		300-5					0.025		0.047	02.70
			32.00	32.50	0.50	00.49		300-8			0.159					13.60
			41.30	42.30	1.00	00.77		300-9						00028		
			42.30	43.17	0.87	00.67		300-10						00236		
			43.17	43.41	0.24	00.24		300-11					0.398		0.668	21.30
			43.41	44.41	1.00	01.00		300-12						00004		
			45.15	46.20	1.05	00.74		300-13						00060		
			49.05	49.35	0.30	00.29		300-14						00257		
			51.45	51.75	0.30	00.28		300-15						01464		
			51.75	52.60	0.85	00.80		300-16						00038		
			54.95	55.70	0.75	00.71		300-17						00995		
			56.35	57.00	0.65	00.63		300-18						00565		
			59.15	59.55	0.40	00.40		300-19					0.232	18516	0.213	07.40

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00301 PAGE 1 OF 3

AREA: Siwash North Zone
CLAIM: SNLease
SECTION: 2500E
CORE SIZE: NQ
CORE RECOVERY: 89.85% RQD: 52.90% CORE STORED AT: Elk Rack 3 Bay 24
COMMENTS: Hole was drilled to fill-in the drill density in the Ph5.5 pit area. Numerous narrow veins were intersected.

DIP: -68.0 AZIMUTH (t): 358.0
NORTHING: 3427.23
EASTING: 2500.21
ELEVATION: 1644.45
LCTM

DEPTH: 69.19 m
DATE STARTED: 19-Jul-2000
DATE FINISHED: 20-Jul-2000
CONTRACTOR: Leclerc Drilling
LOGGED BY: W. Jakubowski

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-68.0	358.0	.0	4.88	4.88		CS									
33.68	-69.0	358.0	4.88	14.18	9.30		QM									
			14.18	14.45	0.27		S2QM									
			14.45	14.62	0.17		F3QM									
			14.62	15.54	0.92		S4QM									
			15.54	18.30	2.76		P3QM									
			18.30	18.55	0.25		S3QM									
			18.55	23.65	5.10		S1QM									
			23.65	24.65	1.00		S4QM									
			24.65	25.05	0.40		F4QM									
			25.05	28.93	3.88		P1QM									
			28.93	30.00	1.07		S3QM									
			30.00	30.48	0.48		FKQM									
			30.48	30.60	0.12		GG									
			30.60	30.75	0.15		A4QM									
			30.75	31.15	0.40		F4QM									
			31.15	31.67	0.52		FKQM									
			31.67	32.56	0.89		F3QM									
			32.56	34.50	1.94		S3QM									
			34.50	34.52	0.02		Y3QV									
			34.52	36.35	1.83		S3QM									
			36.35	36.40	0.05		F4QM									
			36.40	36.43	0.03		Y3QV									
			36.43	36.44	0.01		GG									
			36.44	37.00	0.56		S3QM									
			37.00	37.80	0.80		P3QM									
			37.80	38.73	0.93		S3QM									
			38.73	38.85	0.12		F4QM									
			38.85	38.90	0.05		Y2QV									
			38.90	38.98	0.08		F4QM									
			38.98	40.35	1.37		S4QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00301 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			40.35	41.40	1.05		P3QM									
			41.40	42.00	0.60		S4QM									
			42.00	42.25	0.25		F4QM									
			42.25	42.95	0.70		FKQM									
			42.95	44.85	1.90		S4QM									
			44.85	47.02	2.17		FKQM									
			47.02	50.10	3.08		P3QM									
			50.10	50.13	0.03		Y2QV									
			50.13	52.50	2.37		P2QM									
			52.50	52.70	0.20		F4QM									
			52.70	53.15	0.45		S2QM									
			53.15	55.45	2.30		S3QM									
			55.45	58.80	3.35		P1QM									
			58.80	60.11	1.31		S3QM									
			60.11	60.35	0.24		P3QM									
			60.35	63.00	2.65		S4QM									
			63.00	69.19	6.19		P2QM									
			14.32	14.62	0.30	00.28		301-1						00065		
			23.65	24.65	1.00	00.97		301-2						00037		
			24.65	25.05	0.40	00.39		301-3						00373		
			30.48	31.70	1.22	01.20		301-4						00199		
			31.70	32.50	0.80	00.79		301-5						00328		
			34.50	35.20	0.70	00.69		301-6						00069		
			36.20	36.50	0.30	00.30		301-9			1.115		1.294		0.332	11.30
			37.80	38.73	0.93	00.66		301-10						00054		
			38.73	38.98	0.25	00.25		301-11					0.610		0.502	17.00
			38.98	39.97	0.99	00.98		301-12						00004		
			39.97	40.35	0.38	00.19		301-13						00002		
			41.95	42.25	0.30	00.23		301-14						00086		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00301 PAGE 3 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			44.00	44.55	0.55	00.32		301-15						00200			
			46.75	47.05	0.30	00.28		301-16						00271			
			47.90	48.20	0.30	00.30		301-17						01003			
			49.95	50.25	0.30	00.30		301-18					0.099	00712	0.085	04.90	
			52.50	52.80	0.30	00.27		301-19					0.401	12102	0.070	02.00	
			52.80	53.30	0.50	00.50		301-20						00012			
			53.80	54.28	0.48	00.47		301-21						00333			
			55.25	55.55	0.30	00.29		301-22						00018			
			60.80	61.70	0.90	00.45		301-23						00013			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00302 | PAGE: 1 OF 3

AREA: Siwash North Zone | DIP: -80.0 | AZIMUTH (t): 000.0 | DEPTH: 69.19 m

CLAIM: SNLEASE | NORTHING: 3400.67 | DATE STARTED: 20-Jul-2000

SECTION: 2475E | EASTING: 2475.65 | DATE FINISHED: 21-Jul-2000

CORE SIZE: NQ | ELEVATION: 1638.3 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 85.95% RQD: 44.23% | CORE STORED AT: Elk Rack 3 Bay 24 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to fill-in the drill density in the Ph5.5 pit area. Numerous veins were intersected.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-80.0	000.0	.0	5.49	5.49		CS									
32.31	-79.5	000.0	5.49	8.45	2.96		S2QM									
			8.45	8.46	0.01		GG									
			8.46	11.00	2.54		P1QM									
			11.00	11.25	0.25		S3QM									
			11.25	11.27	0.02		Y1QV									
			11.27	11.35	0.08		S3QM									
			11.35	29.57	18.22		P1QM									
			29.57	30.45	0.88		S3QM									
			30.45	30.83	0.38		F4QM									
			30.83	32.35	1.52		S3QM									
			32.35	32.61	0.26		QVGG									
			32.61	32.75	0.14		A4QM									
			32.75	32.80	0.05		GG									
			32.80	39.61	6.81		S4QM									
			39.61	40.00	0.39		GG									
			40.00	41.15	1.15		S3QM									
			41.15	41.35	0.20		F4QM									
			41.35	41.89	0.54		S4QM									
			41.89	42.05	0.16		F4QM									
			42.05	42.07	0.02		QV									
			42.07	42.30	0.23		F4QM									
			42.30	42.37	0.07		Y2QV									
			42.37	42.70	0.33		F4QM									
			42.47	43.90	1.43		S3QM									
			43.90	43.94	0.04		Y1QV									
			43.94	47.54	3.60		S2QM									
			47.54	49.18	1.64		P1QM									
			49.18	49.22	0.04		Y2QV									
			49.22	52.37	3.15		S2QM									
			52.37	52.47	0.10		GG									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00302 PAGE 2 OF 3

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD													
											metallics		FA		MIBK	
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			52.47	52.75	0.28		S4QM									
			52.75	52.80	0.05		GG									
			52.80	54.80	2.00		S3QM									
			54.80	54.90	0.10		GG									
			54.90	55.65	0.75		S3QM									
			55.65	59.60	3.95		QM									
			59.60	60.00	0.40		S1QM									
			60.00	69.19	9.19		QM									
			11.00	11.30	0.30	00.26		302-1						00202		
			30.45	30.83	0.38	00.38		302-2					0.111	09421	0.125	04.80
			31.35	32.35	1.00	00.99		302-3						00037		
			32.35	32.61	0.26	00.25		302-4					0.370		0.452	14.70
			32.61	33.60	0.99	00.96		302-7						00046		
			40.30	41.35	1.05	00.80		302-8						00134		
			41.35	41.89	0.54	00.52		302-9						00027		
			41.89	42.47	0.58	00.56		302-10					0.441		0.114	05.30
			42.47	43.65	1.18	01.14		302-11						00054		
			43.65	44.05	0.40	00.39		302-12					0.190		0.163	06.10
			44.05	45.15	1.10	01.08		302-13						00022		
			49.05	49.35	0.30	00.30		302-14						01497		

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00303 | PAGE: 1 OF 5

AREA: Siwash North Zone | DIP: -75.5 | AZIMUTH (t): 006.0 | DEPTH: 205.43 m
CLAIM: SNLEASE | NORTHING: 3488.57 | DATE STARTED: 21-Jul-2000
SECTION: 2420E | EASTING: 2419.81 | DATE FINISHED: 24-Jul-2000
CORE SIZE: NQ | ELEVATION: 1633.96 | CONTRACTOR: Leclerc Drilling
CORE RECOVERY: 94.81% RQD: 36.97% CORE STORED AT: Elk Rack 3 Bay 24 | LOGGED BY: W. Jakubowski
COMMENTS: Hole was drilled to test the depth continuity of the WD Zone. A 20cm vein was intersected slightly shallower than the projected depth.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics	FA	MIBK				
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-75.5	006.0	.0	3.05	3.05		CS									
33.83	-74.5	009.0	3.05	9.20	6.15		S3QM									
98.15	-74.5	008.0	9.20	9.55	0.35		FKQM									
163.68	-74.5	008.0	9.55	10.80	1.25		P3QM									
			10.80	13.20	2.40		FKQM									
			13.20	31.65	18.45		S4QM									
			31.65	33.05	1.40		S5QM									
			33.05	33.85	0.80		P4QM									
			33.85	34.33	0.48		FKQM									
			34.33	34.65	0.32		P4QM									
			34.65	35.80	1.15		FKQM									
			35.80	36.63	0.83		P4QM									
			36.63	37.20	0.57		FKQM									
			37.20	40.60	3.40		S4QM									
			40.60	41.05	0.45		FKQM									
			41.05	44.55	3.50		S4QM									
			44.55	44.95	0.40		FKQM									
			44.95	45.20	0.25		S5QM									
			45.20	46.45	1.25		P5QM									
			46.45	46.55	0.10		FKQM									
			46.55	49.50	2.95		S4QM									
			49.50	50.10	0.60		P4QM									
			50.10	50.35	0.25		S4QM									
			50.35	50.55	0.20		GG									
			50.55	51.15	0.60		FKQM									
			51.15	51.60	0.45		P3QM									
			51.60	51.90	0.30		FKQM									
			51.90	52.17	0.27		S3QM									
			52.17	53.85	1.68		P3QM									
			53.85	54.10	0.25		FKQM									
			54.10	57.90	3.80		S4QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00303 PAGE 2 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics		PA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			57.90	58.10	0.20		F5QM									
			58.10	62.63	4.53		FKQM									
			62.63	67.33	4.70		S4QM									
			67.33	67.36	0.03		Y4QV									
			67.36	72.15	4.79		S3QM									
			72.15	74.45	2.30		QM									
			74.45	74.87	0.42		S2QM									
			74.87	76.20	1.33		P1QM									
			76.20	76.37	0.17		FKQM									
			76.37	76.92	0.55		S2QM									
			76.92	79.78	2.86		FKQM									
			79.78	87.00	7.22		P4QM									
			87.00	88.50	1.50		P3QM									
			88.50	91.54	3.04		P2QM									
			91.54	92.13	0.59		S4QM									
			92.13	92.55	0.42		F4QM									
			92.55	95.80	3.25		FKQM									
			95.80	96.45	0.65		F5QM									
			96.45	96.68	0.23		AAQM									
			96.68	97.00	0.32		F5QM									
			97.00	97.60	0.60		FKQM									
			97.60	97.85	0.25		F5QM									
			97.85	99.10	1.25		S3QM									
			99.10	100.45	1.35		FKQM									
			100.45	101.15	0.70		P2QM									
			101.15	101.80	0.65		FKQM									
			101.80	102.40	0.60		P2QM									
			102.40	102.70	0.30		FKQM									
			102.70	104.20	1.50		P3QM									
			104.20	108.95	4.75		P1QM									
			107.70	107.85	0.15		FKQM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00303 PAGE 3 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			108.95	109.33	0.38		FKQM									
			109.33	111.42	2.09		P1QM									
			111.42	112.13	0.71		K1QM									
			112.13	115.00	2.87		QM									
			115.00	120.45	5.45		GD									
			120.45	121.42	0.97		K2GD									
			121.42	122.20	0.78		K1GD									
			122.20	122.50	0.30		K3GD									
			122.50	122.80	0.30		GD									
			122.80	123.50	0.70		K3GD									
			123.50	125.50	2.00		GD									
			125.50	126.25	0.75		K3GD									
			126.25	129.65	3.40		K1GD									
			129.65	130.30	0.65		K1GD									
			130.30	132.15	1.85		GD									
			132.15	132.74	0.59		K1GD									
			132.74	134.65	1.91		GD									
			134.45	135.50	1.05		GG									
			134.65	135.45	0.80		K1GD									
			135.50	142.40	6.90		PKGD									
			142.40	144.70	2.30		GD									
			144.70	145.00	0.30		PKGD									
			145.00	145.95	0.95		K1GD									
			145.95	146.35	0.40		PKGD									
			146.35	147.45	1.10		GD									
			147.45	147.70	0.25		PKGD									
			147.70	148.00	0.30		GD									
			148.00	153.70	5.70		P5GD									
			153.70	155.80	2.10		PKGD									
			155.80	157.35	1.55		P5GD									
			157.35	158.10	0.75		P4AD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00303 PAGE 4 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			158.10	159.80	1.70		P5GD									
			159.80	162.10	2.30		K3GD									
			162.10	162.40	0.30		K4GD									
			162.40	163.22	0.82		K5GD									
			163.22	163.70	0.48		P5GD									
			163.70	169.45	5.75		K3GD									
			169.45	170.15	0.70		A4GD									
			170.15	172.80	2.65		K3GD									
			172.80	175.70	2.90		A4GD									
			175.70	178.90	3.20		K2GD									
			178.90	179.35	0.45		FKGD									
			179.35	179.50	0.15		P4GD									
			179.50	181.60	2.10		A3GD									
			181.60	182.35	0.75		AAGD									
			182.65	182.95	0.30		P5GD									
			182.95	183.35	0.40		S3GD									
			183.35	183.65	0.30		Y2QV									
			183.65	184.10	0.45		A4GD									
			184.10	184.85	0.75		S3GD									
			184.85	185.40	0.55		FKQM									
			185.40	185.90	0.50		S3GD									
			185.90	186.45	0.55		FKGD									
			186.45	187.05	0.60		S3GD									
			187.05	187.60	0.55		S4GD									
			187.60	187.85	0.25		A4GD									
			187.85	189.95	2.10		K1GD									
			189.95	190.50	0.55		K2GD									
			190.50	192.96	2.46		K1GD									
			192.96	194.00	1.04		P1GD									
			194.00	194.80	0.80		A2GD									
			194.80	196.10	1.30		A4GD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00303 PAGE 5 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			196.10	198.00	1.90		K2GD									
			198.00	198.55	0.55		GD									
			198.55	198.90	0.35		K3GD									
			198.90	199.20	0.30		AP									
			199.20	199.85	0.65		K4GD									
			199.85	201.20	1.35		AP									
			201.20	202.00	0.80		K2GD									
			205.15	205.44	0.29		K1GD									
			40.55	40.85	0.30	00.29		303-1						00721		
			44.82	45.20	0.38	00.38		303-2						00118		
			45.20	45.60	0.40	00.28		303-3						00053		
			57.80	58.10	0.30	00.29		303-4						00485		
			60.30	60.70	0.40	00.20		303-5						00051		
			61.60	61.90	0.30	00.29		303-6						00008		
			67.20	67.50	0.30	00.30		303-7						00599		
			95.80	97.00	1.20	01.04		303-8						00024		
			108.95	109.33	0.38	00.33		303-9						00047		
			137.30	139.47	2.17	01.25		303-12						00159		
			139.47	141.55	2.08	01.19		303-13						00005		
			148.00	149.50	1.50	00.86		303-14						00002		
			149.50	151.00	1.50	00.86		303-15						00008		
			151.00	153.20	2.20	01.26		303-16						00002		
			162.10	163.75	1.65	01.17		303-17						00006		
			169.45	170.20	0.75	00.53		303-18						00019		
			177.70	178.00	0.30	00.25		303-19						02042		
			180.60	181.60	1.00	00.71		303-20						01720		
			181.60	182.22	0.62	00.44		303-21						00055		
			182.22	182.65	0.43	00.30		303-22			1.285		1.633		2.453	79.10
			182.65	182.90	0.25	00.18		303-23						03927		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00303 PAGE 6 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			182.90	183.90	1.00	00.71		303-24						00012		
			195.45	195.75	0.30	00.05		303-25						00013		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00304 | PAGE: 1 | OF: 5

AREA: Gold Creek West | DIP: -45.0 | AZIMUTH (t): 357.0 | DEPTH: 63.40 m

CLAIM: SNLEASE | NORTHING: 2998.47 | DATE STARTED: 26-Jul-2000

SECTION: 1700E | EASTING: 1701.85 | DATE FINISHED: 26-Jul-2000

CORE SIZE: NQ | ELEVATION: 1666.44 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 84.68% RQD: 27.10% CORE STORED AT: Elk Rack 3 Bay 25 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the continuity of the GCW vein system to the west. A 35cm pyritic vein was intersected at the projected depth.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-45.0	357.0	.0	6.10	6.10		CS									
28.35	-45.5	357.0	6.10	14.72	8.62		A1QM									
			14.72	15.75	1.03		K3QM									
			15.75	20.55	4.80		AP									
			20.55	21.00	0.45		K4QM									
			21.00	22.00	1.00		AP									
			22.00	22.30	0.30		K3QM									
			22.30	22.50	0.20		AP									
			22.50	25.60	3.10		K4QM									
			25.60	26.20	0.60		GG									
			26.20	28.40	2.20		AP?									
			28.40	29.10	0.70		AP									
			29.10	30.00	0.90		A1GD									
			30.00	32.15	2.15		AP?									
			32.15	39.75	7.60		A1GD									
			39.75	39.90	0.15		P4GD									
			39.90	42.75	2.85		A1GD									
			42.75	43.35	0.60		AP									
			43.35	46.83	3.48		GD									
			46.83	47.75	0.92		AP									
			47.75	47.95	0.20		S4GD									
			47.95	48.00	0.05		AP									
			48.00	49.08	1.08		S4GD									
			49.08	49.10	0.02		GG									
			49.10	49.47	0.37		P4GD									
			49.47	49.83	0.36		Y3QV									
			49.83	50.22	0.39		P4GD									
			50.22	50.25	0.03		Y1QV									
			50.25	50.55	0.30		S5GD									
			50.55	57.35	6.80		GD									
			57.35	57.65	0.30		K1GD									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00304 PAGE 2 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Geochics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			57.65	63.04	5.39		GD									
			39.70	39.90	0.20	00.18		304-1						00985		
			48.50	49.47	0.97	00.80		304-2						00180		
			49.47	49.83	0.36	00.30		304-3			0.794					82.40
			49.83	50.32	0.49	00.46		304-4						00207		
			50.32	51.32	1.00	00.94		304-7						00007		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00305 | PAGE: 1 OF 2

AREA: Gold Creek West | DIP: -90.0 | AZIMUTH (t): 000.0 | DEPTH: 64.92 m

CLAIM: SNLEASE | NORTHING: 2996.86 | DATE STARTED: 25-Jul-2000

SECTION: 1700E | EASTING: 1701.87 | DATE FINISHED: 26-Jul-2000

CORE SIZE: NQ | ELEVATION: 1666.57 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 88.94% RQD: 46.30% | CORE STORED AT: Elk Rack 3 Bay 25 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the depth continuity of the GCW vein system below hole 304. A 47cm pyritic vein was intersected at the projected depth.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD														
											metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
.00	-90.0	000.0	.0	3.66	3.66		CS										
33.83	-88.5	000.0	3.66	15.10	11.44		QM										
			15.20	15.35	0.15		AP										
			15.35	18.10	2.75		QM										
			18.10	18.40	0.30		AP										
			18.40	19.30	0.90		QM										
			19.30	19.60	0.30		AP										
			19.60	40.84	21.24		QM										
			40.84	42.25	1.41		K3GD										
			42.25	45.70	3.45		K2GD										
			45.70	45.95	0.25		XENO										
			45.95	53.80	7.85		GD										
			53.80	54.50	0.70		K1GD										
			54.50	55.97	1.47		P2GD										
			55.97	56.24	0.27		S3GD										
			56.24	56.38	0.14		P5GD										
			56.38	56.69	0.31		QV										
			56.69	56.75	0.06		Y5QV										
			56.75	56.78	0.03		GG										
			56.78	57.25	0.47		P4GD										
			57.25	58.08	0.83		S4GD										
			58.08	58.15	0.07		GG										
			58.15	58.80	0.65		S4GD										
			58.80	59.50	0.70		K2GD										
			59.50	59.59	0.09		GG										
			59.59	60.00	0.41		K3GD										
			60.00	62.25	2.25		P4GD										
			62.25	62.45	0.20		K3GD										
			62.45	62.95	0.50		K2GD										
			62.95	63.10	0.15		P5GD										
			63.10	63.45	0.35		K2GD										
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00305 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics		FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			63.45	64.92	1.47		GD										
			43.50	43.83	0.33	00.32		305-1						00943			
			55.38	56.38	1.00	00.99		305-2						00021			
			56.38	56.75	0.37	00.36		305-3					0.153		0.557	18.50	
			56.75	57.25	0.50	00.49		305-4						00160			
			57.25	58.25	1.00	00.99		305-5						00013			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND00306 PAGE: 1 OF: 2

AREA: Gold Creek West
CLAIM: SNLEASE
SECTION: 1840E
CORE SIZE: NQ
CORE RECOVERY: 87.04% RQD: 31.39% CORE STORED AT: Elk Rack 3 Bay 25
COMMENTS: Hole was drilled to test the attitude of the vein below hole 297. A 110cm vein was intersected indicating a dip of -65 degrees.

DIP: -72.0 AZIMUTH (t): 000.0
NORTHING: 2957.11
EASTING: 1837.56
ELEVATION: 1656.24
LCTM

DEPTH: 53.64 m
DATE STARTED: 26-Jul-2000
DATE FINISHED: 27-Jul-2000
CONTRACTOR: Leclerc Drilling
LOGGED BY: W. Jakubowski

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-72.0	000.0	.0	3.66	3.66		CS									
26.06	-72.0	000.0	3.66	11.70	8.04		QM									
			11.70	11.75	0.05		GG									
			11.75	14.12	2.37		QM									
			14.12	23.20	9.08		S1QM									
			23.20	23.95	0.75		P1QM									
			23.95	26.70	2.75		S1QM									
			26.70	27.00	0.30		S3QM									
			27.00	27.10	0.10		GG									
			27.10	27.73	0.63		S3QM									
			27.73	27.90	0.17		X4QM									
			27.90	27.95	0.05		GG									
			27.95	28.25	0.30		A4QM									
			28.25	28.35	0.10		GG									
			28.35	28.75	0.40		S5QM									
			28.75	28.77	0.02		QV									
			28.77	29.45	0.68		S5QM									
			29.45	30.53	1.08		S4QM									
			30.53	33.67	3.14		P3QM									
			33.67	34.40	0.73		K3QM									
			34.40	34.90	0.50		P3QM									
			34.90	35.10	0.20		FKQM									
			35.10	36.05	0.95		P3QM									
			36.05	36.35	0.30		FKQM									
			36.35	37.00	0.65		F4QM									
			37.00	37.45	0.45		FKQM									
			37.45	37.63	0.18		P4QM									
			37.63	38.13	0.50		FKQM									
			38.13	38.86	0.73		F4QM									
			38.86	40.00	1.14		A4QM									
			40.00	41.50	1.50		P5QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00306 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD									metallics	FA	MIBK		
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			41.50	42.45	0.95		A4QM									
			42.45	42.70	0.25		P5QM									
			42.70	43.80	1.10		QV									
			43.80	44.40	0.60		P5QM									
			44.40	44.75	0.35		A3QM									
			44.75	49.80	5.05		S4QM									
			49.80	52.00	2.20		P2QM									
			52.00	53.64	1.64		QM									
			41.45	42.45	1.00	00.77		306-1						00026		
			42.45	42.70	0.25	00.19		306-2						00130		
			42.70	43.80	1.10	00.84		306-3					0.011		0.079	01.90
			43.80	44.40	0.60	00.46		306-4						00212		
			44.40	45.40	1.00	00.77		306-5						00011		

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK | D.D.H.: SND00307 | PAGE: 1 OF 2

AREA: Gold Creek West | DIP: -45.0 | AZIMUTH (t): 00.0 | DEPTH: 60.96 m

CLAIM: SNLEASE | NORTHING: 2941.44 | DATE STARTED: 27-Jul-2000

SECTION: 1865E | EASTING: 1863.93 | DATE FINISHED: 28-Jul-2000

CORE SIZE: NQ | ELEVATION: 1656.49 | CONTRACTOR: Leclerc Drilling

CORE RECOVERY: 86.47% RQD: 41.78% | CORE STORED AT: Elk Rack 3 Bay 25 | LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the continuity of the GCW vein system to the east. A 6cm vein was intersected at 51.8m suggesting an E-W strike.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-45.0	00.0	.0	3.66	3.66		CS									
29.11	-48.5	00.0	3.66	4.88	1.22		OB									
			4.88	6.70	1.82		S1QM									
			6.70	7.70	1.00		QM									
			7.70	12.75	5.05		S2QM									
			12.75	15.95	3.20		S1QM									
			15.95	17.80	1.85		QM									
			17.80	22.10	4.30		S2QM									
			22.10	23.65	1.55		S1QM									
			23.65	27.65	4.00		QM									
			27.65	28.20	0.55		K3QM									
			28.20	28.35	0.15		FKQM									
			28.35	29.10	0.75		A4QM									
			29.10	32.50	3.40		S3QM									
			32.50	33.75	1.25		K2QM									
			33.75	34.15	0.40		FKQM									
			34.15	36.60	2.45		P1QM									
			36.60	37.20	0.60		S3QM									
			37.20	43.30	6.10		P1QM									
			43.30	44.50	1.20		S3QM									
			44.50	44.65	0.15		P3QM									
			44.65	44.95	0.30		S2QM									
			44.95	45.50	0.55		P3QM									
			45.50	45.85	0.35		S3QM									
			45.85	46.90	1.05		P2QM									
			46.90	49.15	2.25		S3QM									
			49.15	50.85	1.70		S4QM									
			50.85	51.65	0.80		A3QM									
			51.65	51.85	0.20		F5QM									
			51.85	51.92	0.07		QV									
			51.92	52.15	0.23		F5QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00307 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD									Geochemics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			52.15	52.50	0.35		S4QM										
			52.50	53.15	0.65		S3QM										
			53.15	55.10	1.95		P2QM										
			55.10	60.96	5.86		QM										
			50.60	51.60	1.00	00.99		307-1						00043			
			51.60	51.92	0.32	00.32		307-2					0.094		0.452	13.10	
			51.92	52.15	0.23	00.23		307-3						00293			
			52.15	53.15	1.00	00.99		307-4						00005			

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY: ELK D.D.H.: SND00308 PAGE: 1 OF: 2

AREA: Gold Creek West
CLAIM: SNLEASE
SECTION: 1890E
CORE SIZE: NQ
CORE RECOVERY: 87.73% RQD: 35.73% CORE STORED AT: Elk Rack 3 Bay 25

DIP: -45.0 AZIMUTH (t): 00.0
NORTHING: 2923.22
EASTING: 1889.94
ELEVATION: 1656.19

DEPTH: 101.50 m
DATE STARTED: 28-Jul-2000
DATE FINISHED: 30-Jul-2000
CONTRACTOR: Leclerc Drilling
LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the strike continuity of the GCW syst system to the west, An attempt to re-enter hole 96-295 failed.
A gouged vein was intersected slightly shallower than expected.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-45.0	00.0	.0	6.71	6.71		CS									
32.77	-49.0	04.0	6.71	6.80	0.09		OB									
83.22	-49.3	05.5	6.80	22.65	15.85		A1QM									
			22.65	22.85	0.20		GG									
			22.65	24.85	2.20		A5QM									
			24.85	26.00	1.15		S3QM									
			26.00	27.70	1.70		S2QM									
			27.70	28.05	0.35		GG									
			28.05	30.20	2.15		S3QM									
			30.20	36.95	6.75		QM									
			36.95	38.45	1.50		S3QM									
			38.22	38.25	0.03		QV									
			38.45	52.85	14.40		P1QM									
			52.85	55.00	2.15		S3QM									
			55.00	55.02	0.02		GG									
			55.02	55.40	0.38		S5QM									
			55.40	55.47	0.07		F4QM									
			55.47	55.65	0.18		GGQV									
			55.65	56.42	0.77		S4QM									
			56.42	59.35	2.93		S3QM									
			59.35	60.10	0.75		P3QM									
			60.10	63.35	3.25		S3QM									
			63.35	76.80	13.45		P2QM									
			76.80	78.30	1.50		A2QM									
			78.30	79.60	1.30		A1QM									
			79.60	81.10	1.50		A2QM									
			81.10	81.80	0.70		A3QM									
			81.80	81.83	0.03		QV									
			81.83	82.70	0.87		A3QM									
			82.70	84.25	1.55		A2QM									
			84.25	85.95	1.70		P2QM									
								(CONTD)								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00308 PAGE 2 OF 2

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			85.95	86.40	0.45		A1QM									
			86.40	88.25	1.85		P2QM									
			88.25	89.92	1.67		A2QM									
			89.92	95.60	5.68		P2QM									
			95.60	96.05	0.45		S1QM									
			96.05	99.60	3.55		P1QM									
			99.60	101.50	1.90		QM									
			38.10	38.40	0.30	00.27		308-1						00006		
			54.40	55.40	1.00	00.94		308-2								
			55.40	55.80	0.40	00.38		308-3					0.020		0.137	04.00
			55.80	56.80	1.00	00.94		308-6						00006		
			81.65	81.95	0.30	00.13		308-7								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY: ELK — D.D.H.: SND00309 — PAGE: 1 OF 5

AREA: WD Zone
CLAIM: SNLEASE
SECTION: 2570E
CORE SIZE: NQ
CORE RECOVERY: 96.25% RQD: 63.14% CORE STORED AT: Elk Rack 3 Bay 25

DIP: -66.0 AZIMUTH (t): 02.5
NORTHING: 3462.53
EASTING: 2570.42
ELEVATION: 1649.29

DEPTH: 227.69 m
DATE STARTED: 30-Jul-2000
DATE FINISHED: 2-Aug-2000
CONTRACTOR: Leclerc Drilling
LOGGED BY: W. Jakubowski

COMMENTS: Hole was drilled to test the down dip continuity of the GCW system. A 40cm pyritic vein was intersected slightly shallower than expected.

LCTM

SURVEY DATA			GEOLOGY AND ASSAY RECORD								metallics	PA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
.00	-66.0	02.5	.0	2.13	2.13		OB									
33.83	-66.0	00.0	2.13	3.05	0.92		CS									
98.15	-66.0	08.0	3.05	9.70	6.65		QM									
159.11	-66.5	08.0	9.70	12.56	2.86		P1QM									
207.88	-66.5	03.0	12.56	13.55	0.99		QM									
			13.55	13.70	0.15		S2QM									
			13.70	13.76	0.06		P3QM									
			13.76	13.78	0.02		Y2QV									
			13.78	13.85	0.07		P3QM									
			13.85	21.40	7.55		S1QM									
			21.40	24.20	2.80		S2QM									
			24.20	31.05	6.85		S1QM									
			31.05	31.20	0.15		P4QM									
			31.20	35.45	4.25		S2QM									
			35.45	36.00	0.55		P3QM									
			36.00	36.30	0.30		S3QM									
			36.30	37.10	0.80		P3QM									
			37.10	37.85	0.75		S2QM									
			37.85	38.20	0.35		P3QM									
			38.20	39.10	0.90		S3QM									
			39.10	39.25	0.15		P3QM									
			39.25	40.65	1.40		S2QM									
			40.65	41.45	0.80		S3QM									
			41.45	41.55	0.10		P3QM									
			41.55	42.80	1.25		S3QM									
			42.80	43.05	0.25		P3QM									
			43.05	45.85	2.80		S2QM									
			45.85	46.05	0.20		S3QM									
			46.05	46.30	0.25		P3QM									
			46.30	47.20	0.90		S4QM									
			47.20	49.00	1.80		S3QM									
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00309 PAGE 2 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD							Metallics		FA		MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm	
			49.00	51.30	2.30		S2QM										
			51.30	52.87	1.57		S1QM										
			52.87	57.30	4.43		QM										
			57.30	57.40	0.10		S3QM										
			57.40	57.95	0.55		S5GG										
			57.95	58.15	0.20		QVGG										
			58.15	59.05	0.90		S4QM										
			59.05	59.85	0.80		S3QM										
			59.85	60.35	0.50		AD										
			60.35	61.50	1.15		S4QM										
			61.50	65.80	4.30		P2QM										
			65.80	66.15	0.35		F2QM										
			66.15	69.20	3.05		QM										
			69.20	70.40	1.20		S2QM										
			70.40	70.67	0.27		S4QM										
			70.67	70.70	0.03		Y1QV										
			70.70	71.10	0.40		S4QM										
			71.10	71.11	0.01		QV										
			71.11	71.33	0.22		S4QM										
			71.33	71.62	0.29		F4QM										
			71.62	71.78	0.16		S4QM										
			71.78	71.90	0.12		F3QM										
			71.90	72.12	0.22		S4QM										
			72.12	72.25	0.13		F3QM										
			72.25	72.82	0.57		S2QM										
			72.82	72.95	0.13		F2QM										
			72.95	77.10	4.15		S1QM										
			77.10	81.10	4.00		QM										
			81.10	83.50	2.40		S2QM										
			83.50	101.63	18.13		QM										
			101.63	102.93	1.30		S1QM										
								CONTD									

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00309 PAGE 3 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			102.93	104.20	1.27		S2QM									
			104.20	106.95	2.75		S3QM									
			106.95	108.00	1.05		S4QM									
			108.00	109.53	1.53		S3QM									
			109.53	111.00	1.47		S4QM									
			111.00	114.60	3.60		S2QM									
			114.60	119.78	5.18		S1QM									
			119.78	133.30	13.52		QM									
			133.30	133.83	0.53		S2QM									
			133.50	133.60	0.10		F4QM									
			133.83	135.35	1.52		P1QM									
			135.35	152.60	17.25		QM									
			152.60	153.41	0.81		S2QM									
			153.41	167.42	14.01		QM									
			167.42	168.00	0.58		S4QM									
			168.00	168.07	0.07		GG									
			168.07	168.33	0.26		S4QM									
			168.33	169.82	1.49		S1QM									
			169.82	196.35	26.53		QM									
			196.35	197.00	0.65		S3QM									
			197.00	200.70	3.70		QM									
			200.70	201.70	1.00		FKQM									
			201.70	202.00	0.30		S2QM									
			202.00	202.40	0.40		S3QM									
			202.40	202.51	0.11		F5GG									
			202.51	203.00	0.49		Y3QV									
			203.00	203.35	0.35		F5QM									
			203.35	203.75	0.40		S4QM									
			203.75	203.85	0.10		F4QM									
			203.85	205.90	2.05		S5QM									
			205.90	206.05	0.15		F4QM									
								CONTD								

CORDILLERAN ENGINEERING — DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00309 PAGE 4 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:
CLAIM: NORTHING: DATE STARTED:
SECTION: EASTING: DATE FINISHED:
CORE SIZE: ELEVATION: CONTRACTOR:
CORE RECOVERY: CORE STORED AT: LOGGED BY:
COMMENTS:

SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			206.05	207.20	1.15		S4QM									
			207.20	207.45	0.25		F5QM									
			207.45	210.90	3.45		S5QM									
			210.90	212.70	1.80		S4QM									
			212.70	212.80	0.10		F5QM									
			212.80	212.82	0.02		GG									
			212.82	213.05	0.23		S5GD									
			213.05	213.10	0.05		F5GD									
			213.10	214.60	1.50		S5GD									
			214.60	215.37	0.77		F5GD									
			215.37	216.25	0.88		S2GD									
			216.25	218.74	2.49		GD									
			218.74	219.20	0.46		Y2GD									
			219.20	227.69	8.49		GD									
			13.55	13.85	0.30	00.28		309-1						01006		
			21.50	21.95	0.45	00.42		309-2						00017		
			31.00	31.30	0.30	00.28		309-3					0.093	05627	0.058	
			35.50	37.10	1.60	01.50		309-4						00085		
			37.90	39.25	1.35	01.27		309-5						00114		
			41.35	41.70	0.35	00.33		309-6						00703		
			42.80	43.05	0.25	00.23		309-7					0.477	62838	0.388	
			46.05	47.20	1.15	01.04		309-8						00143		
			48.55	48.85	0.30	00.27		309-9						00095		
			49.90	50.95	1.05	00.91		309-10						00042		
			56.75	57.76	1.01	00.95		309-11						00005		
			57.76	58.15	0.39	00.37		309-12						02253		
			58.15	59.85	1.70	01.60		309-13						00034		
			60.35	61.20	0.85	00.80		309-14						00511		
			66.60	66.90	0.30	00.27		309-15						00030		
								CONTD								

CORDILLERAN ENGINEERING

DIAMOND DRILL RECORD

PROPERTY ELK D.D.H. SND00309 PAGE 5 OF 5

AREA: DIP: AZIMUTH (t): DEPTH:

CLAIM: NORTHING: DATE STARTED:

SECTION: EASTING: DATE FINISHED:

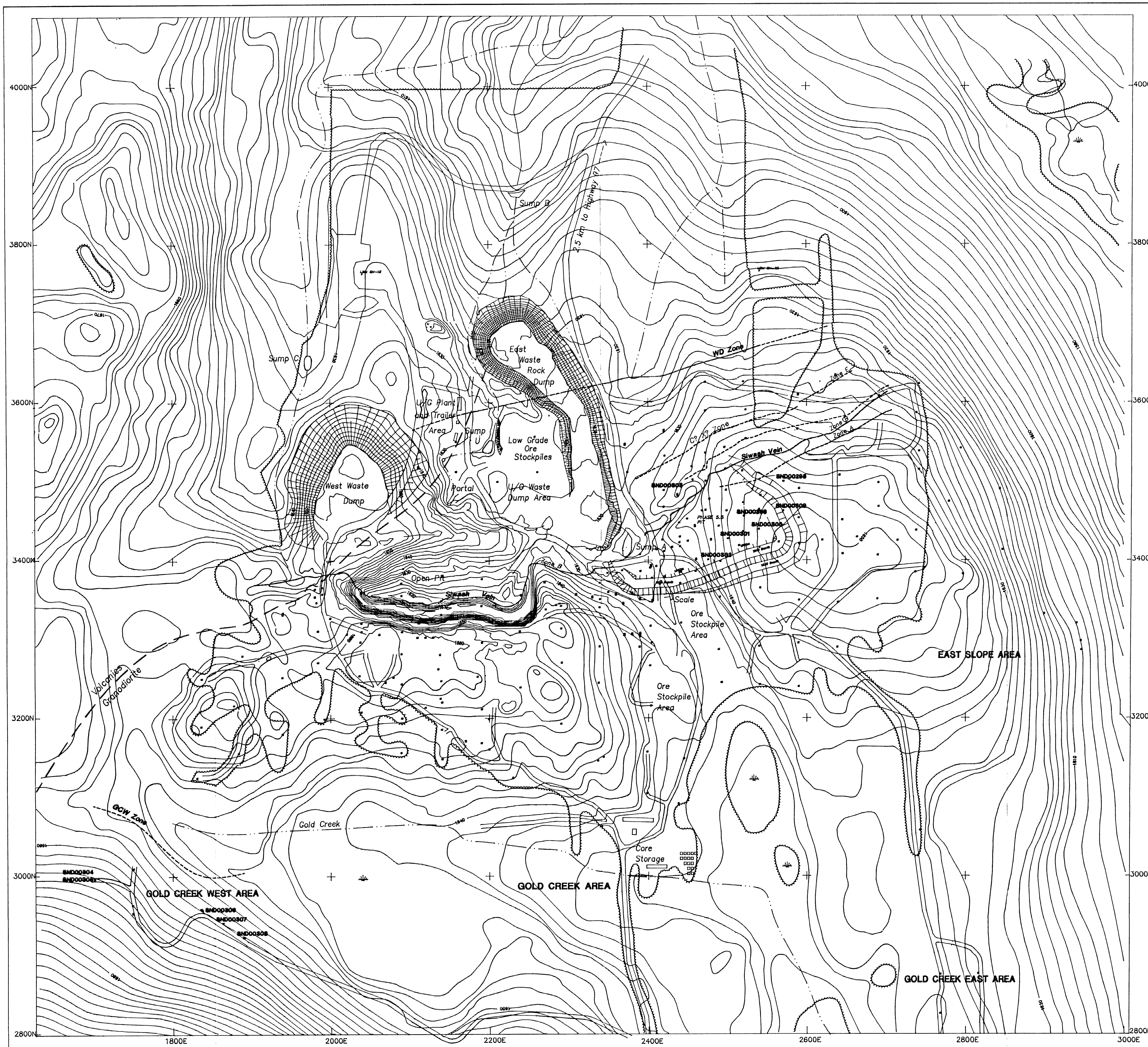
CORE SIZE: ELEVATION: CONTRACTOR:

CORE RECOVERY: CORE STORED AT: LOGGED BY:

COMMENTS:

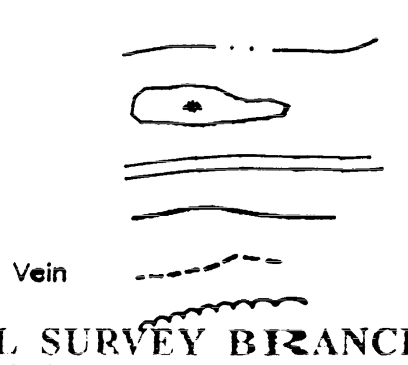
SURVEY DATA			GEOLOGY AND ASSAY RECORD								Metallics	FA	MIBK			
Depth	Dip	Az (t)	From	To	Int.	T.W.	Geology	Sample No.	Rec. %	S.G.	Au oz/t	Au oz/t	Au oz/t	Au ppb	Ag oz/t	Ag ppm
			67.70	68.72	1.02	00.92		309-16						00013		
			70.20	71.10	0.90	00.85		309-19						00006		
			71.62	72.95	1.33	01.15		309-21						00025		
			102.65	103.80	1.15	01.08		309-22						00013		
			105.16	106.35	1.19	01.15		309-23								
			133.30	133.83	0.53	00.50		309-24						00019		
			167.42	168.20	0.78	00.73		309-25						00135		
			201.40	202.40	1.00	00.77		309-26						00016		
			202.40	203.00	0.60	00.46		309-27			0.563					64.60
			203.00	203.85	0.85	00.65		309-28						00186		
			203.85	205.44	1.59	01.44		309-29						00015		
			205.44	207.10	1.66	01.50		309-30						00101		
			207.10	207.40	0.30	00.27		309-31						00344		
			212.70	214.60	1.90	01.79		309-32						00154		
			214.60	215.37	0.77	00.72		309-33					0.390	13815	0.111	05.00
			215.37	216.37	1.00	00.94		309-34						00042		
			223.50	223.80	0.30	00.30		309-35						00681		

Fairfield Minerals Ltd.



4000N
3800N
3600N
3400N
3200N
3000N
2800N
1800E
2000E
2200E
2400E
2600E
2800E
3000E
Sump B
2.5 Km to Highway 97
Sump C
East Waste Rock Dump
WD Zone
U/G Plant and Trailer Area
Sump U
Low Grade Ore Stockpiles
West Waste Dump
Portal
U/G Waste Dump Area
Siwash Vein
SND00296
SND00303
SND00298
SND00300
SND00301
SND00302
Sump A
Open Pit
Zone B
Scale
Ore Stockpile Area
EAST SLOPE AREA
Volcanics
Granodiorite
Ore Stockpile Area
GCW Zone
Gold Creek
Core Storage
SND00304
SND00305
GOLD CREEK WEST AREA
SND00306
SND00307
SND00308
GOLD CREEK AREA
GOLD CREEK EAST AREA

LEGEND



GEOLOGICAL SURVEY BRANCH

26,416

0 20 40 80 120 160
METRES

SIWASH GOLD MINE

Similkameen Mining Division
NTS 92H/16W, B.C.

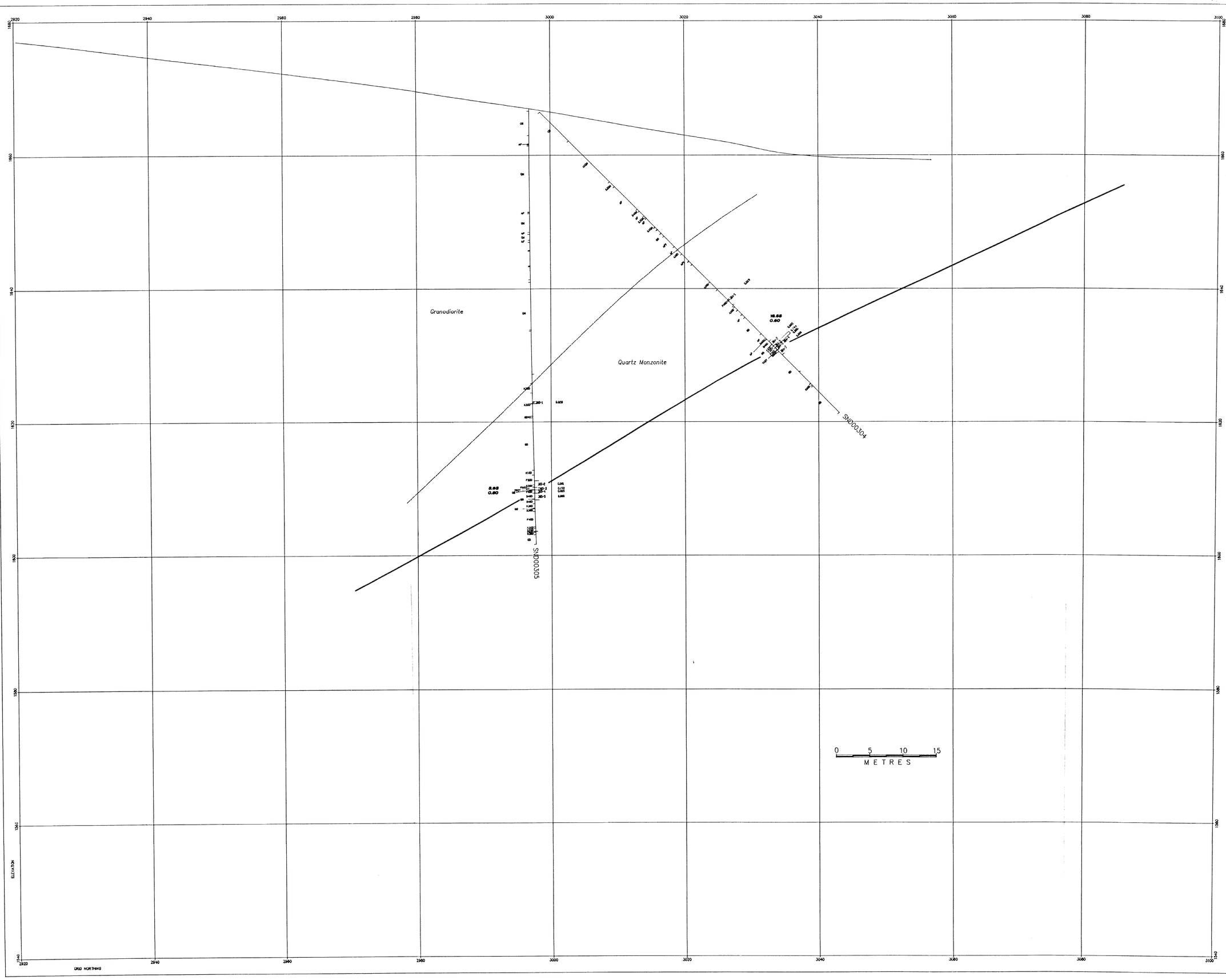
SIWASH NORTH COMPILATION MAP

SCALE 1 : 2500

Drawn by WJ, EM
Nov., 2000

Plate 1

FAIRFIELD MINERALS LTD.
1420 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6



LEGEND

LITHOLOGY

CS CASING
ME MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark grey/ish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix; commonly grades into gouge
GO GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some adularia; commonly 10% to 20% pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, equigranular, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
GC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende
GD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20%
GR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic; quartz – K-spar – muscovite rich
QM QUARTZ MONZONITE light to medium pinkish grey/medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey/green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; rarely exclusive up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(n) ARGILLIC
P(n) PHYLLIC
(P) K-spar STABLE PHYLLIC
K(n) POTASSIC
H(n) ALBITIC
Pr(n) PROPYLITIC
S(n) SERICITIC
SK SKARN
Si(n) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

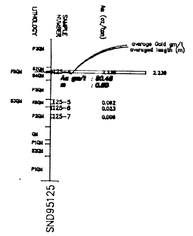
SULFIDE CONTENT CODES (quartz veins)

VG visible gold
T1 less than 1% sulfide
T2 1 to 5
T3 5 to 10% sulfide
T4 10 – 20% sulfide
T5 20 – 30% sulfide
T6 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



FAIRFIELD MINERALS LTD.
1480 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

GOLD CREEK WEST AREA
DIAMOND DRILL SECTION
1700E
SCALE 1 : 250
LOOKING WEST

Drawn by WJ
November, 1996

Plate 2

Quartz Monzonite

Quartz Monzonite

Quartz Monzonite

SND96297

SND00306

SND96293

0 5 10 15
METRES

GRID NORTHING

ELEVATION

LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark greyish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some calcite commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, sucrosic, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
QC GRANODIORITE CHILL MARGIN — very dark grey, fine grained up to 25% biotite or hornblende
GD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20
GR GRANITE — pink to pinkish grey, quartz - K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic quartz - K-spar - muscovite rich
QM QUARTZ MONZONITE light to medium pinkish grey,medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey-green to pear black, very fine-grained to aphanitic
(PV)PORPHYRITIC VOLCANIC — as above, phenocrysts of plagioclase or hornblende to about 20%
(VB)VOLCANIC BRECCIA — as above, brecciated (primary) with andesitic matrix matrix rarely contains up to 20% pyrite - pyrrhotite - chalcopyrite

ALTERATION CODES

A(a) ARGILLIC — P(a) PROPYLITIC
Ph(a) PHYLLIC — S(a) SERICITIC
K K-spar STABLE PHYLLIC — SK SKARN
K(a) POTASSIC — Si(a) SILICIFICATION
Ab(a) ALBITIC

(a = 1 TO 3, WEAK TO INTENSE)

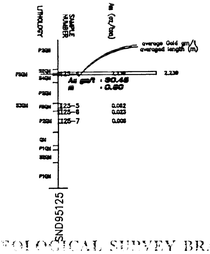
SULFIDE CONTENT CODES (quartz veins)

vg visible gold
T trace less than 1% sulfide
S1 1% to 5
S2 5 - 10% sulfide
S3 10 - 20% sulfide
Y4 20 - 30% sulfide
Y5 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



FAIRFIELD MINERALS LTD.
1650 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

GOLD CREEK WEST AREA
DIAMOND DRILL SECTION
1840E
SCALE 1 : 1000
LOOKING WEST

Drawn by WJ
November, 2000

Plate 3

Quartz Monzonite

2.15
0.60

SN000307

0 5 10 15
METRES

ELEVATION

GRID NORTHING

2880 2900 2920 2940 2960 2980 3000 3020 3040

1880 1860 1840 1820 1800 1780 1760

LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark greyish-green to olive green, fine-grained to weakly porphyritic

BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge

GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident

QV QUARTZ VEIN — white to grey quartz with some enclaves; commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, equigranular, may grade into pegmatite

FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich

QC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende

QD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20

QR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende

PQ PEGMATITE — pink to light grey, very coarse grained to megacrystic; quartz – K-spar – muscovite rich

QM QUARTZ MONZONITE light to medium pinkish grey,medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic

(PV) PORPHYRITIC VOLCANICS as above; phenocrysts of plagioclase or hornblende to about 20%

(VB) VOLCANIC BRECCIA as above; brecciated (primary) with andesite matrix; matrix rarely contains up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(n) ARGILLIC
P(n) PHYLLIC
PK K-spar STABLE PHYLLIC
K(n) POTASSIC
B(n) ALBITIC
P(n) PROPYLITIC
S(n) SERICITIC
SK SKARN
Si(n) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

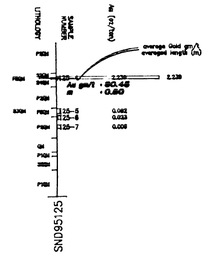
SULFIDE CONTENT CODES (quartz veins)

vg visible gold
T less than 1% sulfide
1 1% to 5
2 5 – 10% sulfide
3 10 – 20% sulfide
4 20 – 30% sulfide
5 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



FAIRFIELD MINERALS LTD.
1650 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

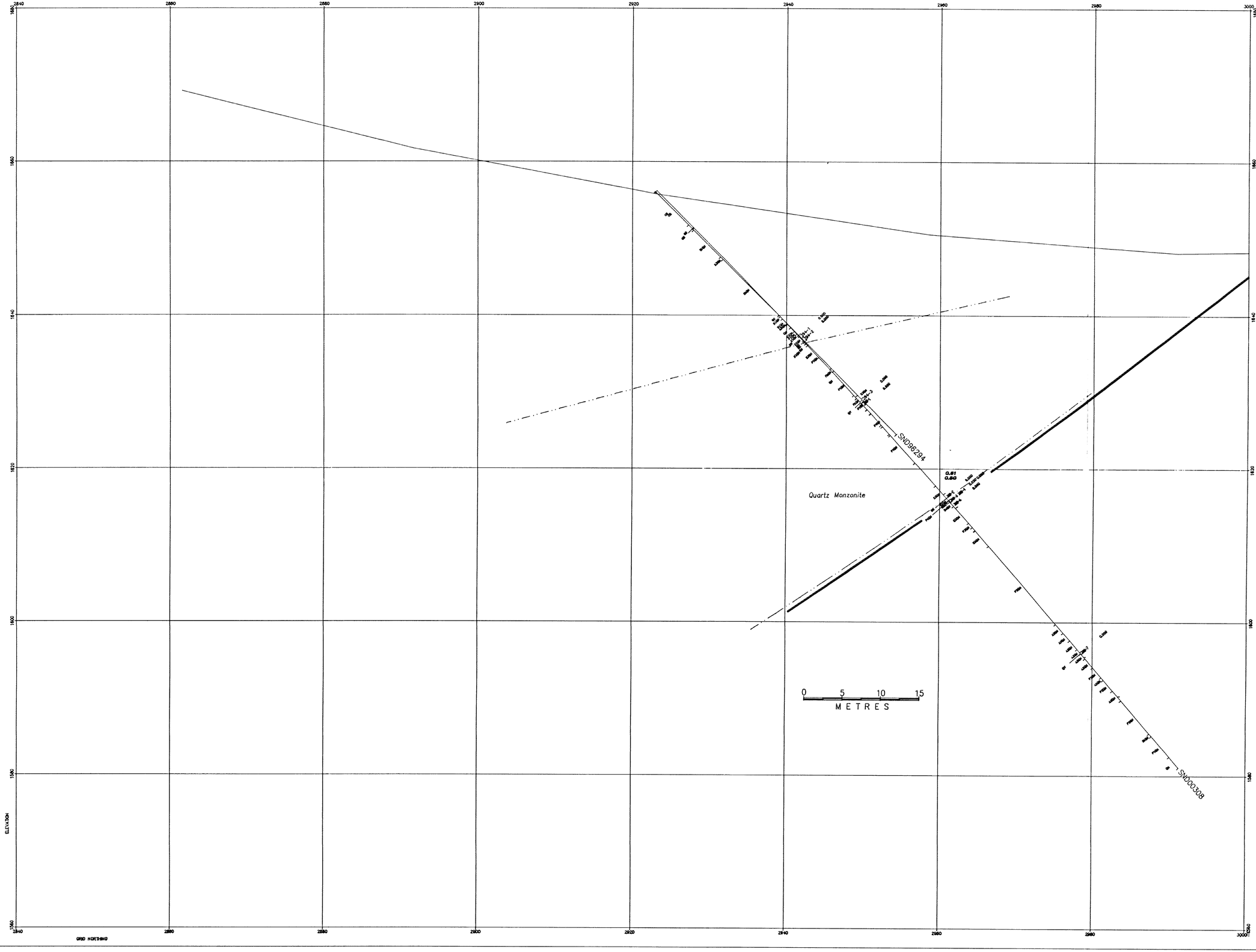
SIWASH GOLD MINE

GOLD CREEK WEST AREA
DIAMOND DRILL SECTION
1865E

SCALE 1 : 1000
LOOKING WEST

Drawn by WJ
November, 2000

Plate 4



LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark greyish-green to olive green, fine-grained to weakly porphyritic

BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge

GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident

QV QUARTZ VEIN — white to grey quartz with some chloritic commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, sucrosic, may grade into pegmatite

FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich

QC GRANODIORITE CHILL MARGIN — very dark grey, fine grained, up to 25% biotite or hornblende

QD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20

QR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende

PG PEGMATITE — pink to light grey, very coarse grained to megacrystic quartz – K-spar – muscovite rich

QM QUARTZ MONZONITE light to medium pinkish grey,medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS — dark grey-green to near black, very fine-grained to aphanitic

(PV) PORPHYRITIC VOLCANIC — as above; phenocrysts of plagioclase or hornblende to about 20%

(VB) VOLCANIC BRECCIA — as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(n)	ARGILLIC	P(n)	PROPYLITIC
Z(n)	PHYLLIC	S(n)	SERICITIC
K	K-spar STABLE PHYLLIC	SK	SKARN
K(n)	POTASSIC	X(n)	SILICIFICATION
B(n)	ALBITIC		

(n = 1 TO 3, WEAK TO INTENSE)

SULFIDE CONTENT CODES (quartz veins)

VB	visible gold
V1	less than 1% sulfide
V2	1% to 5
V3	5 – 10% sulfide
V4	10 – 20% sulfide
V5	20 – 30% sulfide
	greater than 30% sulfide

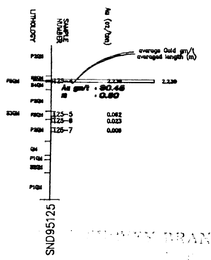
SYMBOLS

LITHOLOGIC CONTACT

TRACE OF MINERALIZED STRUCTURE

FAULT OR SHEAR

PLOT OF DRILL HOLE



26,416

FAIRFIELD MINERALS LTD.
M&B - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

GOLD CREEK WEST AREA DIAMOND DRILL SECTION

1890E

SCALE 1 : 250
LOOKING WEST

Drawn by WJ
November, 2000

Plate 5

Quartz Monzonite

Granodiorite

Zone WD

Zone WDa

Zone WDb

Andesite Dyke

SND96236

SND96237

SND96238

SND00303

SND96125

3480 3500 3520 3540 3560 3580 3600 3620 3640 3660

1640 1620 1600 1580 1560 1540 1520 1500 1480 1460 1440

ELEVATION

LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark grey/ish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix; commonly grades into gouge
GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some ankerite; commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, sucrosic, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
QC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende
QD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20
QR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic quartz – K-spar – muscovite rich
QM QUARTZ MONZONITE — light to medium pinkish grey; medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS — dark grey-green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANIC — as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA — as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(n) ARGILLIC
P(n) PHYLLIC
P'(n) K-spar STABLE PHYLLIC
K(n) POTASSIC
B(n) ALBITIC
Pr(n) PROPYLITIC
S(n) SERICITIC
K(n) SKARN
Xr(n) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

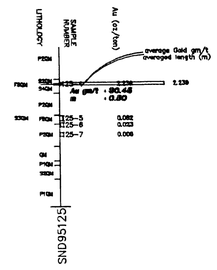
SULFIDE CONTENT CODES (quartz veins)

vg visible gold
1 less than 1% sulfide
1% 1 to 5
2 5 – 10% sulfide
3 10 – 20% sulfide
4 20 – 30% sulfide
vs greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



FAIRFIELD MINERALS LTD.
1620- 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

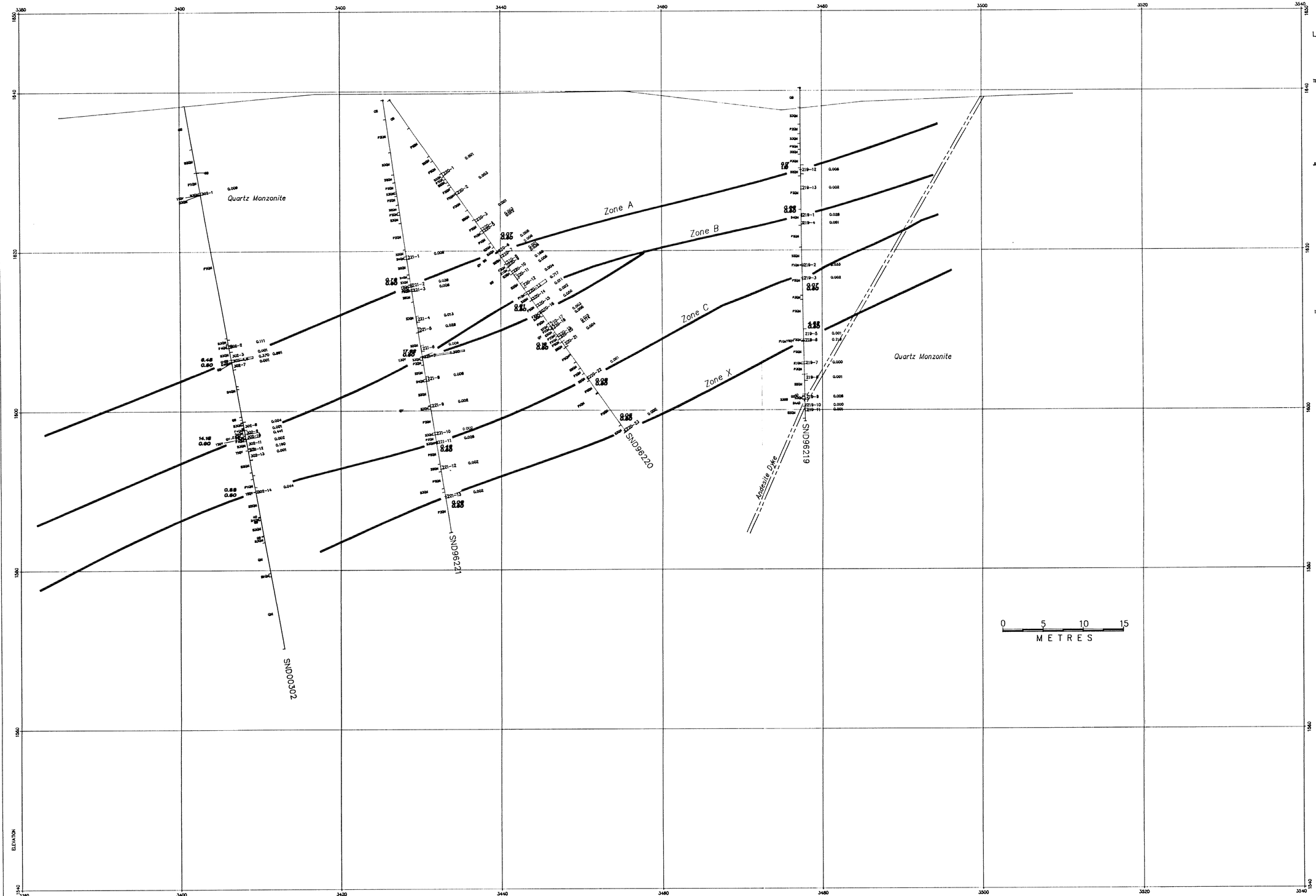
SIWASH GOLD MINE

SIWASH NORTH AREA
DIAMOND DRILL SECTION
2420E North Half

SCALE 1 : 250
LOOKING WEST

Drawn by WJ
November, 2000

Plate 6



LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark greyish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some calcite commonly 10% to 20% pyrite, pyrrhotite, sphalerite, galena, tetrahedrite, rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, equigranular, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
GC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende
GD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20
GR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystalic; quartz – K-spar – muscovite rich
QM QUARTZ MONZONITE light to medium pinkish grey,medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite – pyrrhotite – sphalerite

ALTERATION CODES

A(a) ARGILLIC
P(a) PHYLLIC
K(a) K-spar STABLE PHYLLIC
K(s) POTASSIC
B(A) ALBITIC
P(n) PROPYLITIC
S(n) SERICITIC
SK SKARN
K(n) SILICIFICATION

(n = 1 TO 3, WEAK TO INTENSE)

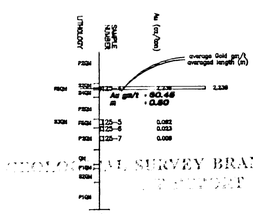
SULFIDE CONTENT CODES (quartz veins)

vg visible gold
S1 less than 1% sulfide
S2 1% to 3
S3 3 – 10% sulfide
S4 10 – 20% sulfide
S5 20 – 30% sulfide
S6 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



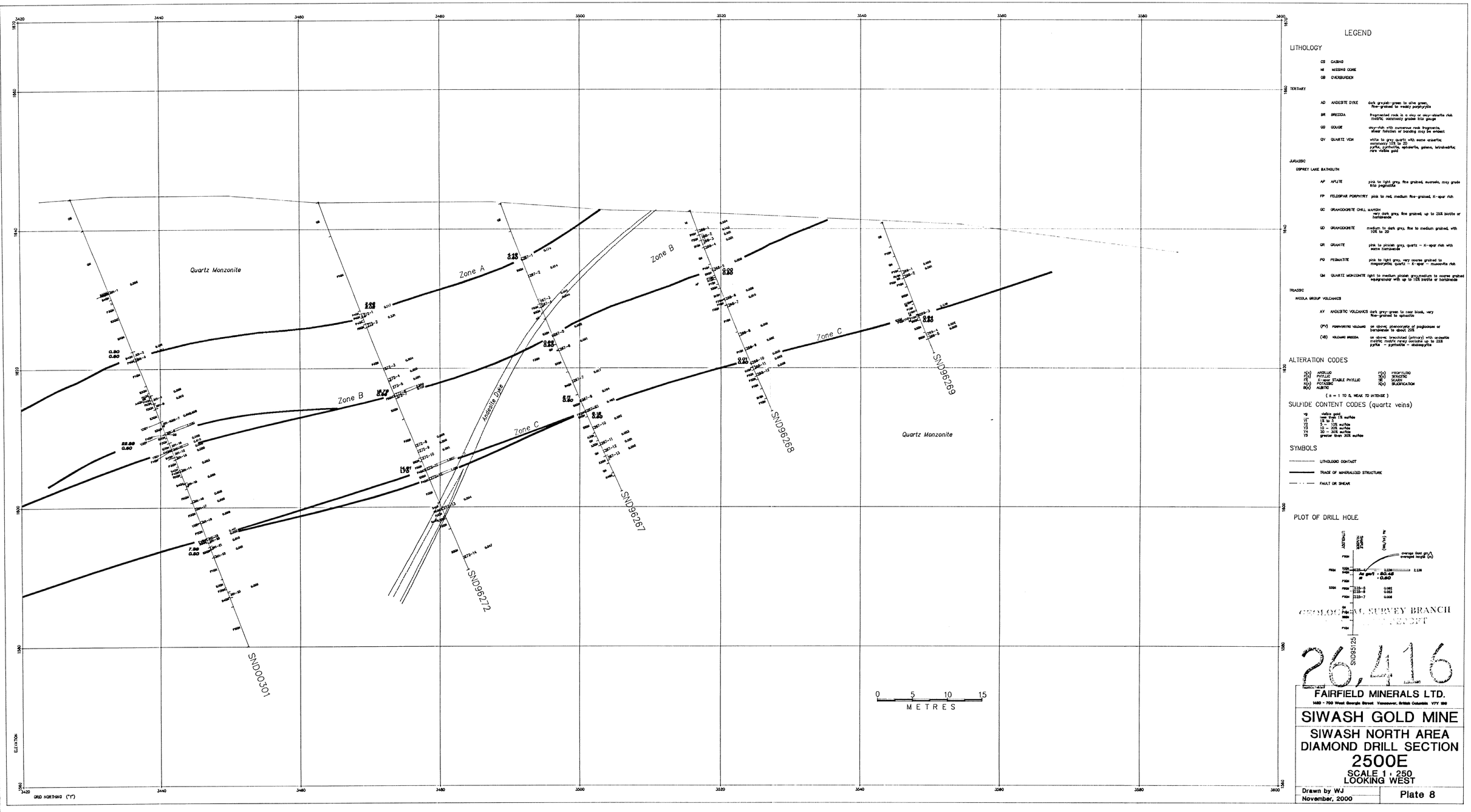
FAIRFIELD MINERALS LTD.
1680 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

SIWASH NORTH AREA
DIAMOND DRILL SECTION
2480E
SCALE 1 : 250
LOOKING WEST

Drawn by WJ
November, 2000

Plate 7



LEGEND

LITHOLOGY

CS CASING
MI MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark grey-black--green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a silicy or silicy-sericite rich matrix; commonly grades into gouge
GO GOUGE — silicy-rich with numerous rock fragments, linear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some sericitic; commonly 10% to 20% pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

ISPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, equigranular, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
GC GRANODIORITE CHILL MARGIN — very dark grey, fine grained, up to 25% biotite or hornblende
GD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20%
GR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic; quartz – K-spar – muscovite rich
QM QUARTZ MONZONITE light to medium pinkish grey, medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA as above, brecciated (primary) with andesitic mafic matrix rarely exclusive up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(A) ARGILLIC
A(P) PHYLLIC
A(PS) INTERMEDIATE STABLE PHYLLIC
A(K) POTASSIC
B(A) ALBITIC
A(C) PROPYLITIC
A(K) SERICITIC
A(Si) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

SULFIDE CONTENT CODES (quartz veins)

*G visible gold
T1 less than 1% sulfide
T2 1 to 5
T3 5 – 10% sulfide
T4 10 – 20% sulfide
T5 20 – 30% sulfide
T6 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE

26,416

SND95125

FAIRFIELD MINERALS LTD.
1650 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

SIWASH NORTH AREA
DIAMOND DRILL SECTION
2500E
SCALE 1 : 250
LOOKING WEST

Drawn by WJ
November, 2000

Plate 8

LEGEND
LITHOLOGY
ALTERATION CODES
SULFIDE CONTENT CODES (quartz veins)
SYMBOLS
PLOT OF DRILL HOLE
Zone A
Zone B
Zone C1
Zone C2
Zone D
Andesite Dyke
Hole SND95134 Projected from Section 2510E
SND95134
SND96271
SND00299
SND96257
SND96270
SND96246
SND96232
Hole SND00299 Continued on Section 2520E North Half
Hole SND96257 Continued on Section 2520E North Half
Hole SND96246 Continued on Section 2520E North Half
Hole SND96232 Continued on Section 2520E North Half
0 5 10 15
METRES
ELEVATION
GRID NORTHING (Y)
26,416
FAIRFIELD MINERALS LTD.
SIWASH GOLD MINE
SIWASH NORTH AREA
DIAMOND DRILL SECTION
2520E South Half
SCALE 1 : 250
LOOKING WEST
Drawn by WJ
November, 2000
Plate 9

Hole SND96257 Continued on Section 2520E South Half

Andesite Dyke

Zone D

Quartz Monzonite

Zone WDa

Zone WDb

Granodiorite

SND96231

SND96232

SND96245

SND96257

SND00299

SND95125

0 5 10 15
METRES

LEGEND

LITHOLOGY

CS CASING
NR MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITIC DYKE — dark grey/ish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix; cementing grades into gouge
GB GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some chloritic; commonly 10% to 30% pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, sucrosic, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
GC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende
GD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 30%
GR GRANITE — pink to pinkish grey, quartz - K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic; quartz - K-spar - muscovite rich
QM QUARTZ MONZONITE — light to medium pinkish grey, medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS — dark grey-green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANIC — as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA — as above; brecciated (primary) with andesitic matrix; rarely cemented; up to 25% pyrite - pyrrhotite - chalcopyrite

ALTERATION CODES

A(n) ARGILLIC
P(n) PHYLLIC
K(n) K-SPAR STABLE PHYLLIC
P(s) POTASSIC
B(n) ALBITIC
P(n) PROPYLITIC
S(n) SERICITIC
SK(n) SILICIFICATION
X(n) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

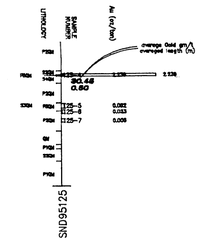
SULFIDE CONTENT CODES (quartz veins)

tr	visible gold
1	less than 1% sulfide
2	1% to 5
3	5 - 10% sulfide
4	10 - 20% sulfide
5	20 - 30% sulfide
6	greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,416

FAIRFIELD MINERALS LTD.
1680 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6

SIWASH GOLD MINE

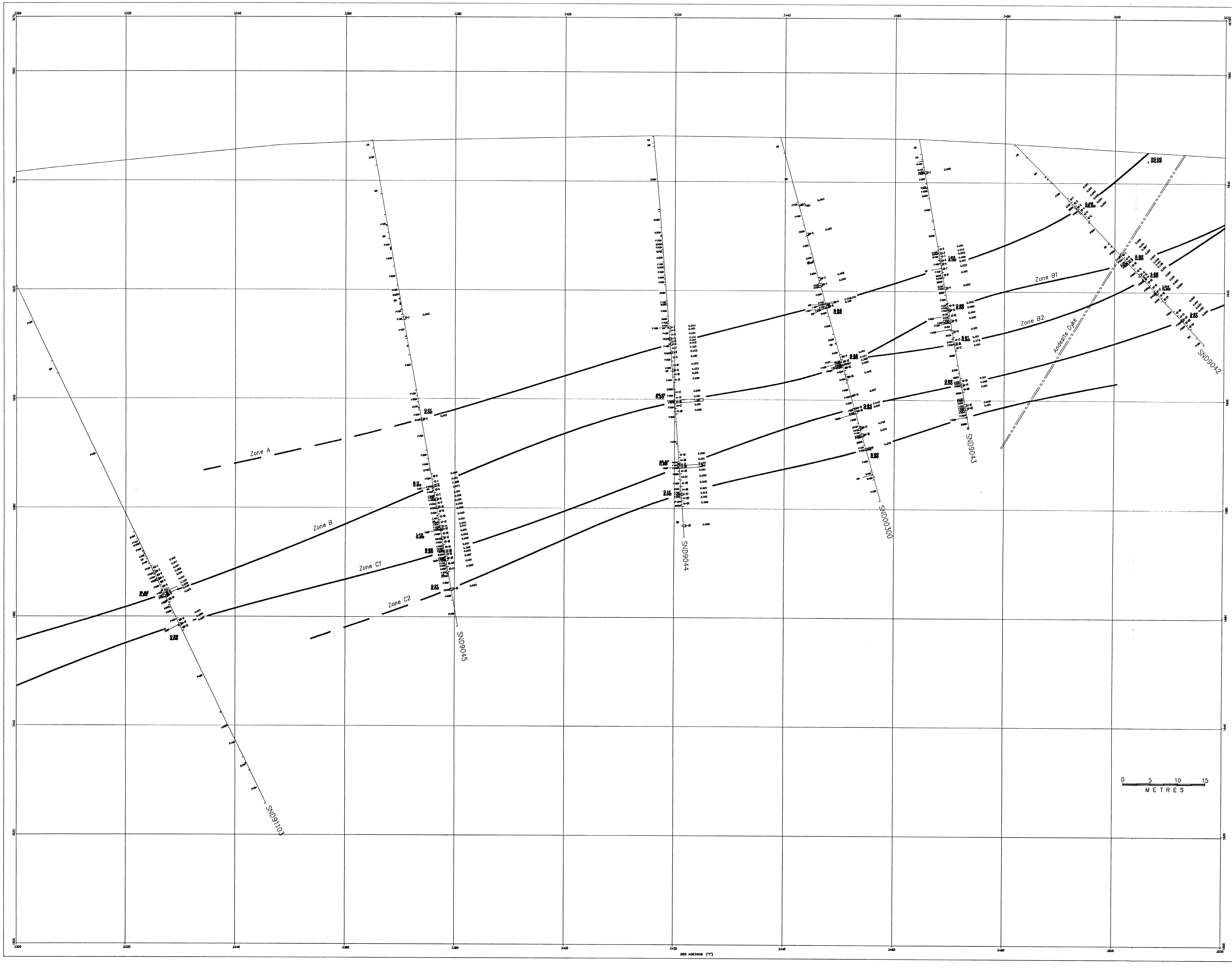
SIWASH NORTH AREA
DIAMOND DRILL SECTION
2520E North Half

SCALE 1 : 250
LOOKING WEST

Drawn by WJ	Plate 10
November, 2000	

ELEVATION

GRID NORTHING



LEGEND

LITHOLOGY

TERTIARY

JURASSIC

OSPREY LAKE BATHOLITH

TRIASSIC

NICOLA GROUP VOLCANICS

ALTERATION CODES

SULFIDE CONTENT CODES (quartz veins)

SYMBOLS

PLOT OF DRILL HOLE

SND95125

FAIRFIELD MINERALS LTD.

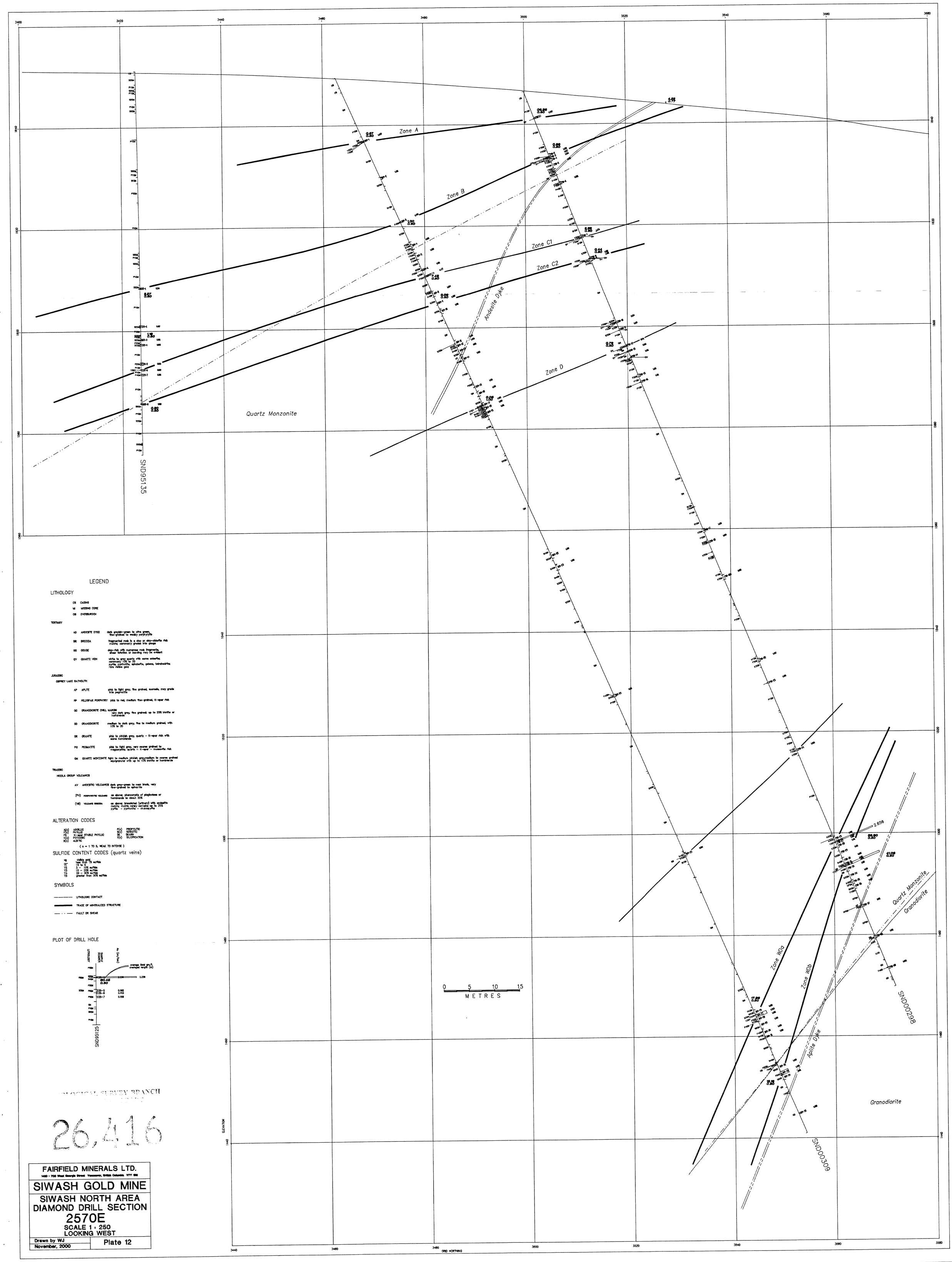
SIWASH GOLD MINE

SIWASH NORTH AREA DIAMOND DRILL SECTION

2540E North

SCALE 1 : 250
LOOKING WEST

Drawn by WJ	Plate 11
November, 2000	



LEGEND

LITHOLOGY

CS CASING
MS MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE — dark greyish-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA — fragmented rock in a clay or clay-chlorite rich matrix; commonly grades into gouge
GG GOUGE — clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEIN — white to grey quartz with some ankerite; commonly 10% to 20 pyrite, pyrrhotite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE — pink to light grey, fine grained, sucrosic, may grade into pegmatite
FP FELDSPAR PORPHYRY — pink to red, medium fine-grained, K-spar rich
QC GRANODIORITE CHILL MARGIN — very dark grey, fine grained; up to 25% biotite or hornblende
QD GRANODIORITE — medium to dark grey, fine to medium grained, with 10% to 20
QR GRANITE — pink to pinkish grey, quartz – K-spar rich with some hornblende
PG PEGMATITE — pink to light grey, very coarse grained to megacrystic; quartz – K-spar – muscovite rich
QM QUARTZ MONZONITE light to medium pinkish grey; medium to coarse grained equigranular with up to 10% biotite or hornblende

TRIASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS — dark grey-green to near black, very fine-grained to aphanitic
(PV) PORPHYRITIC VOLCANICS — as above; phenocrysts of plagioclase or hornblende to about 20%
(VB) VOLCANIC BRECCIA — as above; brecciated (primary) with andesitic mafic matrix rarely contains up to 25% pyrite – pyrrhotite – chalcopyrite

ALTERATION CODES

A(n) ARGILLIC
P(n) PHYLLIC
PK K-spar STABLE PHYLLIC
K(n) POTASSIC
B(n) ALBITIC
P(n) PROPYLITIC
S(n) SERICITIC
SK SKARN
X(n) SILICIFICATION

(n = 1 TO 5, WEAK TO INTENSE)

SULFIDE CONTENT CODES (quartz veins)

VG visible gold
T trace, less than 1% sulfide
1 1% to 5
2 5 – 10% sulfide
3 10 – 20% sulfide
4 20 – 30% sulfide
5 greater than 30% sulfide

SYMBOLS

LITHOLOGIC CONTACT
TRACE OF MINERALIZED STRUCTURE
FAULT OR SHEAR

PLOT OF DRILL HOLE

FAIRFIELD MINERALS LTD.	
1480 - 700 West Georgia Street Vancouver, British Columbia V7Y 1B6	
SIWASH GOLD MINE	
SIWASH NORTH AREA DIAMOND DRILL SECTION 2570E SCALE 1 : 250 LOOKING WEST	
Drawn by WJ November, 2000	Plate 12