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**Assessment Report**  
on the  
**Silver King Mine**  
**Property**

**Soil Geochemical Survey**  
and  
**Property Examination**

Nelson Mining District  
N.T.S. 82 F/6

Lat: 49°25'N  
Long: 117°18'W

UTM 478000E, 5575000N

for

**Silver King Mines Ltd.**

**GEOLOGICAL SURVEY BRANCH**  
**ASSESSMENT REPORT**

26,356  
by H. McMillan  
20 Oct. 2000

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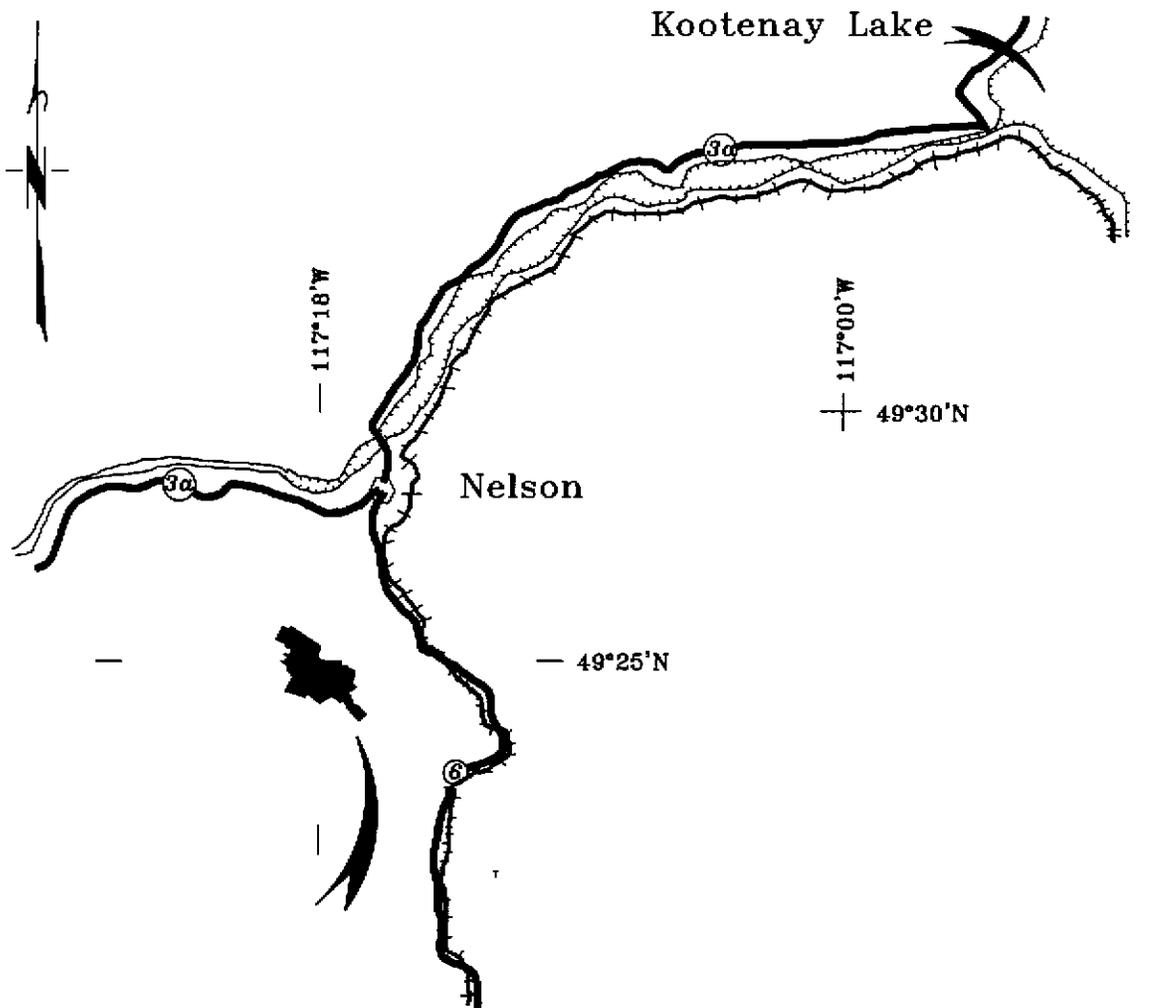
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SILVER KING MINES LTD.	
SILVER KING PROJECT	
<b>LOCATION MAP</b>	

To Accompany Report by R.E. McMillan

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N.T.S. 82 F/S

Figure 1

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ORIGINAL FROM LONGE (1997)

## **1.0 Summary**

The Silver King Mine property consists of 31 Crown Granted and Located Claims covering an area of approximately 255 ha. The property is located on the northeast side of Toad Mountain approximately 7 km. south of Nelson, B.C. and is easily accessible on old logging and mining roads. The Silver King Mine was one of the earliest producing mines in British Columbia and made a major contribution to the development of infrastructure in the southeastern portion of the Province. The mine produced high-grade copper-silver ore with an average grade of 3.36% Cu and 685 g/t Ag (20.0 oz./ton). Mining was initiated in 1889 and was maintained until about 1910, after which there was intermittent production until 1958. Production totaled 202,049 tonnes (MINFILE, 1991) of ore, which yielded 138.2 tonnes (4.4 million ounces) silver, 9.0 kg. gold and 6,790 tonnes copper.

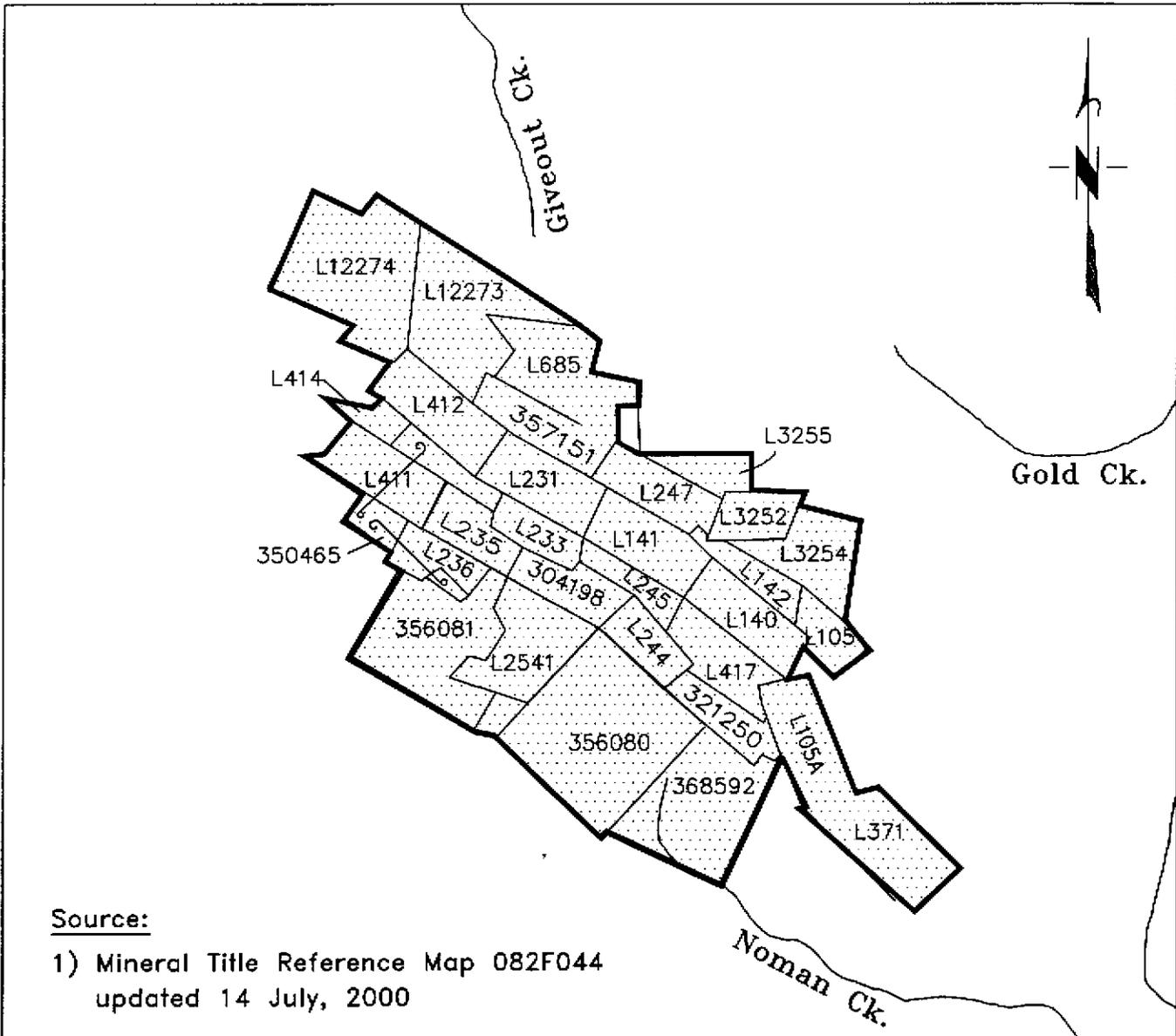
This report documents the history of mining and exploration on the property and describes the result of a recent geochemical survey by Silver King Mines Ltd., the current owners and operators of the property. Two target areas are recommended for further work.

## **2.0 Introduction**

This report has been written at the request of Mr. George Robson, the President of Silver King Mines Ltd, and beneficial owner of the Silver King Mine property, and was written in order to satisfy assessment work requirements on the Silver King Mine property and adjacent mining claims under option to Silver King Mines Ltd. The author visited the property and surrounding area on July 14 and 15 in the company of Mr. Robson and Mr. Don Graham, the principal of Arbutus Resources Ltd., one of the underlying property vendors of the Silver King mining property claims.

## **3.0 Land Status**

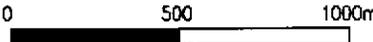
The Silver King property covers an estimated 255 ha. and consists of 31 claims comprised of 24 Crown Grants and 7 Located Claims as tabulated below in Table 1. All are owned by or are under option to Silver King Mines Ltd. Mr. George Robson is the President of Silver King Mines Ltd. Silver King Mines Ltd. is the successor company to Amulet Resources Ltd., following a recent name change. The boundaries of the Located Claims and Crown Grants shown on the claim map shown in figure 2 are drawn from B.C. Mineral Titles Reference Map M082F044 updated as of 14 July 2000. The author has obtained the information on the claims listed in Table 1 from the report by Mr. Robert Longe, P. Eng. (1997) and updated by Mr. Don Graham. The author has not investigated title to any of the Located Claims or Crown Grants, nor has he located posts on the ground - therefore he has no opinion regarding the accuracy or verity of the claims or property.



Source:

1) Mineral Title Reference Map 082F044  
updated 14 July, 2000

 Silver King Property



SILVER KING MINES LTD.	
SILVER KING PROJECT	
<b>CLAIMS AND CROWN GRANTS</b>	
N.T.S. 82 F/S	Figure 2
ORIGINAL FROM LONGE (1997)	

To Accompany Report by R.H. McMillan	REVISION <i>author/drafts/data</i>	RHM	GEJ	Oct 00
File Name: FIGURE.2.DWG	ORIGINAL <i>author/drafts/data</i>	RVL	DAW	Mar 97

**Table 1 - List of Claims**

Title or Lot No.	Claim Name	Title Number	Owner	Expiry Date
Crown Grants				
231	Dandy	XH38624	Arbutus Res. Ltd.	n.a.
3254	OVG	XJ3412	"	n.a.
12273	Victoria Fraction	XJ3414	"	n.a.
12274	Starlight Fraction	XJ3414	"	n.a.
105A	Silver Queen	XH3402	"	n.a.
140	Kootenai Bonanza	XH38621	"	n.a.
142	Silver King	XH38622	"	n.a.
141	American Flag	XH38623	"	n.a.
244	Union Jack	XH38625	"	n.a.
245	Koh-I-Noor	XH38626	"	n.a.
412	Ollie	XH38627	"	n.a.
417	Copper King	14758-1 & 18612-1	"	n.a.
105	Grizzly Bear	XJ3401	"	n.a.
233	Forest	XJ3403	"	n.a.
235	New Market	XJ3404	"	n.a.
236	Democrat	XJ3405	"	n.a.
411	Hidden Treasure	XJ3407	"	n.a.
414	Etna	XJ3408	"	n.a.
2541	Young Dominion	XJ3410	"	n.a.
3252	Money Market	XJ3411	"	n.a.
371	Hannah	XJ3406	"	n.a.
247	Lulu	Cert. No. 12894	"	n.a.
		Title No. 455921		
685	Grand View	XJ3409	"	n.a.
3255	Eureka	Cert. No. 12893	"	n.a.
		Title No. XD1373		
Located Claims				
304198	Iroquois Fraction	304198	Lloyd Addie	2001/09/12
321250	Ivanhoe #3	321250	"	2001/09/28
368592	East Extension	368592	Silver King Mines Ltd.	2001/04/24
356080	Lake	356080	"	2002/05/17
356081	Glen	356081	"	2002/05/17
357151	June 29	357151	"	2002/06/29
350456	Sept	350465	"	2002/09/13

#### **4.0 Location, Access and Physical Features**

The Silver King Mine Property is located 7 km. south of Nelson, B.C. on the northeast side of Toad Mountain at elevations between 1600 and 1925 metres. Excellent access is available on old logging and mining roads from the northeast via the Gold Creek road, leaving the Nelson-Salmo highway 6 km. south of Nelson. Minor work is required to rehabilitate a second access road via Giveout Creek to the north of the property. A network of old roads provides ready access to most areas of the property.

Bedrock exposures are moderately abundant on the property, with overburden reaching depths of 8 to 10 metres at some of the lower elevations. The property is well timbered with second-growth douglas fir, hemlock, spruce and pine.

Giveout Creek could provide a moderate water supply for drilling purposes - however previous operators have encountered complaints about alleged sediment contamination of the water by exploration activities. Silver King Lake is also a potential source of water.

Snow begins to accumulate early in October and disappears in June. July through September are the optimum periods for access and ease of movement on the property.

## **5.0 History**

The history of Silver King mining operation and the more recent exploration is well covered by Alyward (1983) and most of the information reported herein is directly derived therefrom as well as from Hoy and Dunn (in press).

The Silver King claims were first staked by the Hall brothers in 1886. Production was initiated in 1889 and was maintained until about 1910, after which there was intermittent production until 1958. Production totaled 202,049 tonnes (MINFILE, 1991) of ore, which yielded 138.2 tonnes (4.4 million ounces) silver, 9.0 kg. gold and 6,790 tonnes copper. All of the production came from the Main Silver King vein structure.

**Table 2 Production History - Silver King Mine (after - MINFILE 082FSW176, 1991)**

Year	Tonnes Mined	Recovered Silver (g.)	Recovered Gold (g.)	Recovered Copper (kg.)	Recovered Lead (kg.)	Recovered Zinc (kg.)
1958	16	6,036	31		992	716
1949	499	137,755	156	6,659	272	
1948	21	9,113			3,079	454
1947	4	1,524			690	148
1937	25	17,667			1,768	2,753
1936	59	85,268	62	2,924		
1914	12,175	3,333,837	7,278	221,006		
1913	3,302	711,637	1,369	64,569		
1910	1,522	670,830		55,140		
1909	1,617	1,406,415		84,627		
1908	652	316,038		23,240		
1907	2,151	914,553		74,488		
1906	1,803	1,623,204		77,923	8,433	
1905	728	531,053		29,609		
1904	2,276	2,083,528		100,017		
1903	4,131	3,671,523		157,041		
1902	6,122	2,849,595		222,778		

1901	18,824	7,799,388		725,494		
1900	643	294,608		16,751		
1899	27,277	14,165,270		621,651		
1898	41,101	21,521,939		886,806		
1897	43,145	29,690,457		1,566,627		
1896	28,322	24,987,870		1,172,004		
1895	1,814	6,220,600		226,795		
1894	581	2,309,087		72,574		
1893	3,139	12,433,735		381,016		
1889	100	422,068				
Total	202,049	138,214,612	8,896	6,789,739	15,234	4,071

Initial production of 100 tonnes of hand-picked ore in 1889 was brought down the mountain by pack train and shipped to Butte, Montana for smelting. Between 1889 and 1895, a wagon road was completed to the property and the Hall Mines Co. Ltd. of London, England developed the mine, built a smelter at Nelson and completed an aerial tramway with 875 buckets and a capacity of 10 tons per hour. Between 1896 and 1902, "large-scale" operations produced more than 116,000 tonnes of ore grading 3.3% Cu and 638 g/t Ag.

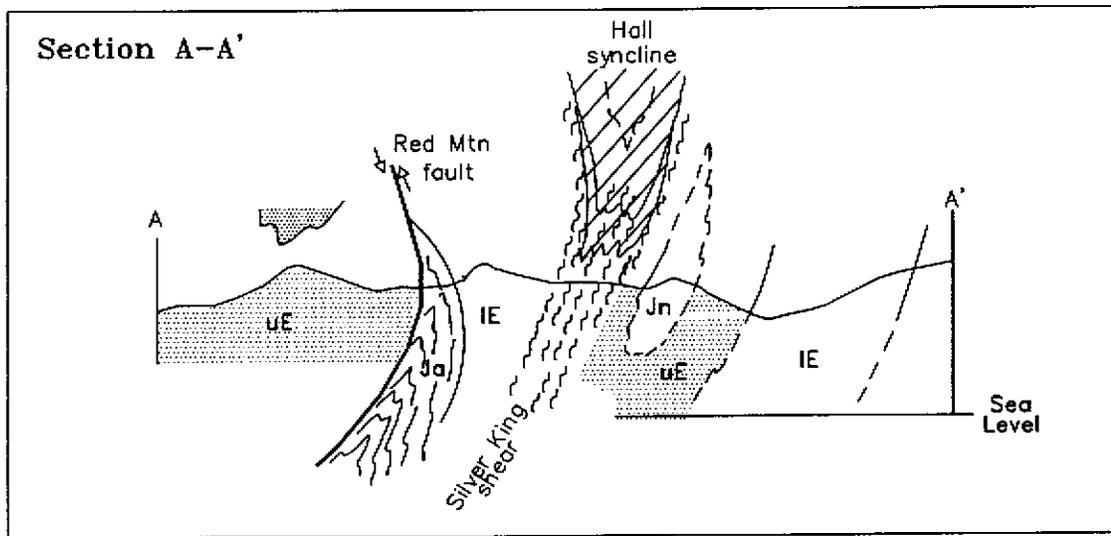
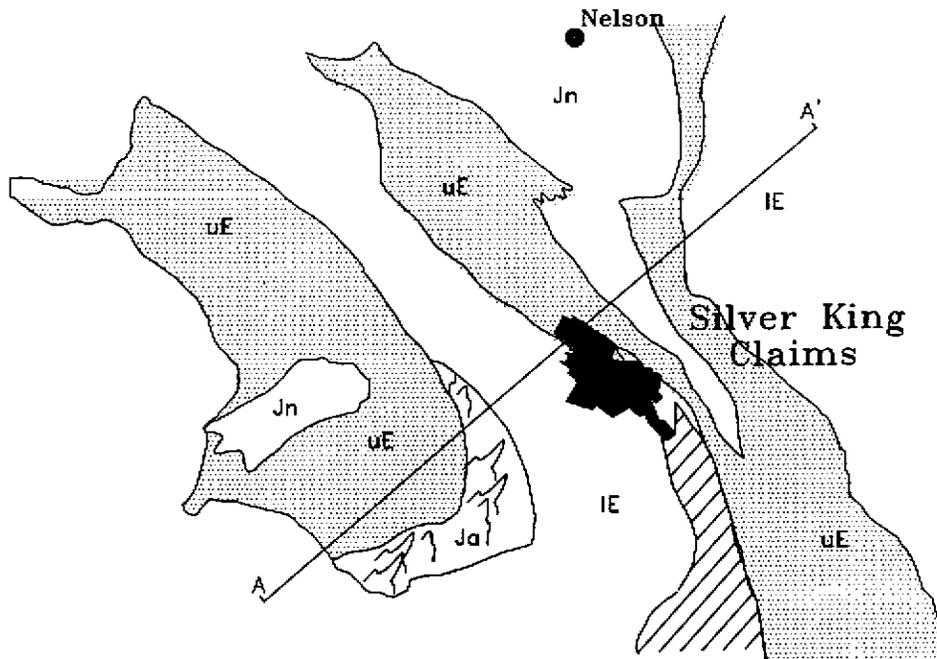
In 1903, the mine was leased by Mr. M.S. Davys and operated on a small scale. In 1904 Davys entered into a partnership with the Hall Mining and Smelting Co. Ltd. with the intention of developing ore below the 7<sup>th</sup> level - in addition to underground work, the program included some diamond drilling. The partnership was terminated in 1906, however between 1904 and 1907, a total of approximately 6,000 tonnes of ore was mined from the property. The smelter closed in 1907 due to a shortage of ore from the Silver King Mine and other sources.

In 1908, Kootenay Development Syndicate leased the property and shipped a minor quantity of ore to the Trail smelter. A power line was completed to the minesite and preparation made for development on and below the Dandy level.

In 1909 a fire destroyed part of the surface infrastructure and the mine was closed due to a lack of working capital. However, 1617 tonnes of ore was mined.

In the period 1912-14, the Consolidated Mining and Smelting Company purchased a controlling interest in the property. The Dandy tunnel was driven to connect with the shaft and the surface plant was rebuilt. a 1640 metre (5000 ft.) diamond drill program was completed and a total of 15,477 tonnes of ore grading 1.85% Cu, 261 g/t Ag and 0.6 g/t Au. In 1914, the mine was closed because of World War I. However during the war (between 1914 to 1918) a limited amount of development work and 2128 metres of diamond drilling was completed. There was some small-scale production from lessors in the period between W.W.I and 1958.

Between 1965 and 1967, New Cronin Babine Mines Ltd. undertook an extensive re-evaluation of the property. Road access along Giveout Creek was developed to the



**MIDDLE JURASSIC**

Jn Nelson Intrusions

**LOWER JURASSIC**

Rosslund Group

Hall Formation

**Elsie Formation**

uE Upper Elsie  
Intermediate to mafic lapilli,  
crystal and fine tuff

IE Lower Elsie  
Mafic flows and breccia

Ja Archibald Formation

**SILVER KING MINES LTD.**

**SILVER KING PROJECT**

**REGIONAL GEOLOGY IN  
PLAN & CROSS SECTION**

(simplified from Hoy & Andrew, 1989)

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Figure 3

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ORIGINAL FROM LONGE (1997)

property and the underground workings rehabilitated and sampled. Fifty four holes totaling 3710 metres of AX core were drilled as well as 28 short X-ray holes which were drilled to test the near-surface Main Vein structure. The work identified a new vein, The King Vein, and increased the mineral inventory to a "proven reserve" of 75,026 tonnes grading 295 g/t Ag, 2.1% Cu and 0.9% Pb for the King Vein, Main Vein Extension, Footwall X-Vein, Footwall Vein, D45 and D50 structures and the Nos. 1, 3, 4, 5 and 6 Dumps. In addition an estimated 33,000 tonnes (36,000 tons) of "probable ore" grading 439 g/t Ag and 1.8% Cu from underground as well as the Bonanza and Main pits. Metallurgical testing indicated that standard floatation techniques could extract 85% of the silver and 87% of the copper. Hill Manning and Associates completed a feasibility study and found that the "ore reserves" could be mined for a marginal profit.

Sproatt Silver Mines contracted Glen E. White Geophysical Services to complete a program of linecutting, soil geochemical sampling and induced polarization surveying (White and Cruz, 1973) in 1973. Two major anomalies were outlined: one coincident with the Iroquois Vein (300 metres south of the main Silver King Vein), and a second anomaly 200 metres further south (the South Anomaly on figures 4 and 5).

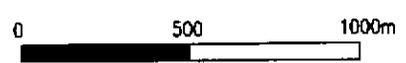
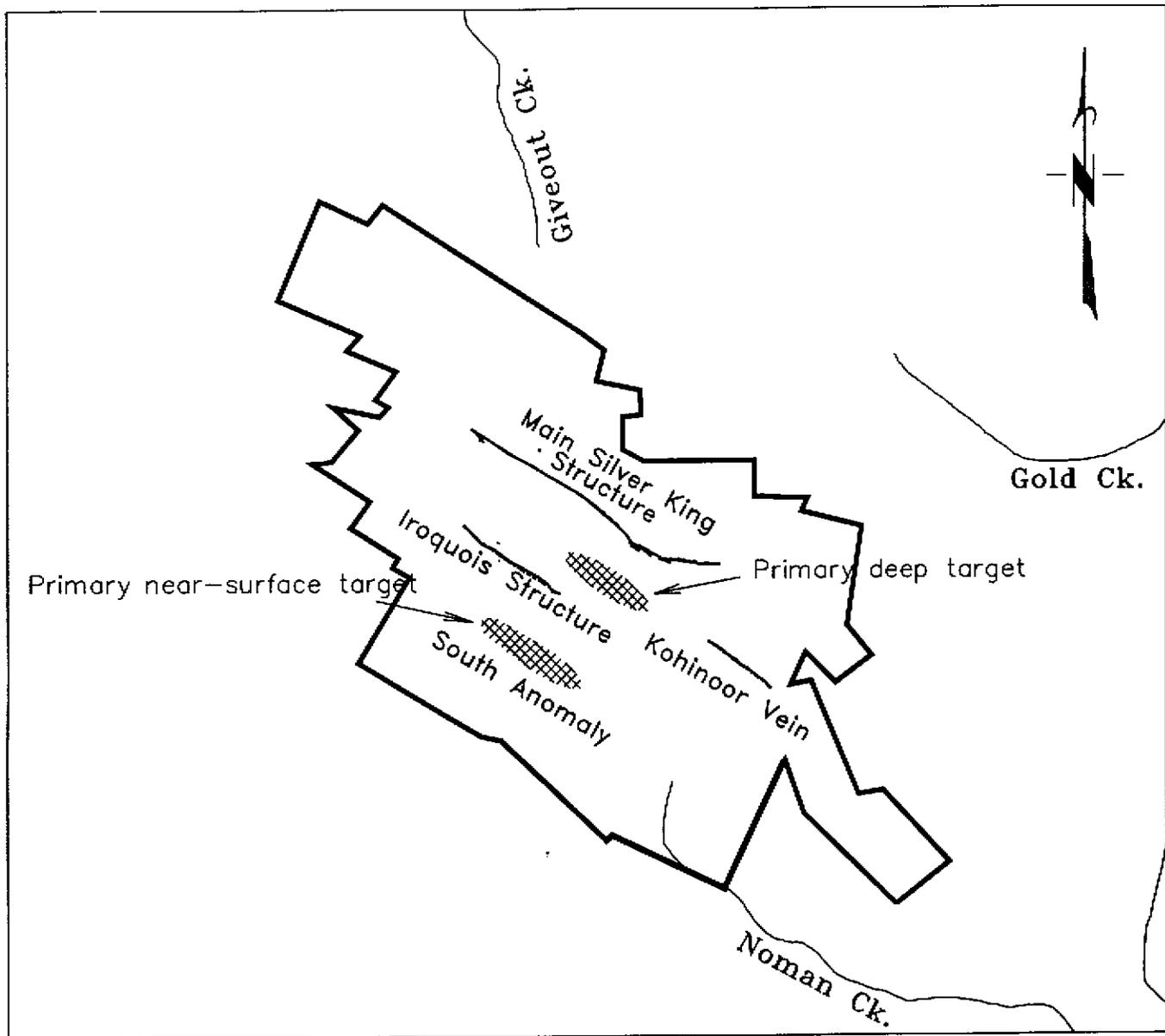
In 1981, Hecate Gold Corporation engaged Moneca Mine Development of evaluate the property and following a mapping-sampling program re-affirmed the earlier data. This work was followed-up in 1983 by Host Ventures Ltd. who engaged MinQuest Exploration Associates Ltd. to supervise a program of diamond drilling (567 metres in 10 holes), mapping, trenching and surface and underground sampling on the property. This work is reported in Aylward (1983), who reported a "proven ore reserve" of 68,144 tonnes (75,115 tons) of ore grading 252 g/t Ag, 1.7% Cu and 0.9% Pb.

More recently in 1998, Amulet Resources Ltd. (recently renamed Silver King Mines Ltd.) acquired the property and completed a program of linecutting, soil geochemical sampling and induced polarization surveying by Lloyd and Associates. Mr. Bruce Doyle completed the linecutting and collected soil geochemical samples at 25 metre intervals on the cut grid. Two hundred and sixty three (263) samples were analyzed for 28 elements by Inductively Coupled Plasma-Mass Spectrometry (ICP) at Echo-Tech Laboratories in Kamloops in 1998. More recently in the summer of 2000, an additional 49 samples were analyzed at Echo-Tech Laboratories by ICP-Mass Spectroscopy. The author visited the property during the summer of 2000 to evaluate the property and the geochemical data, and these topics are the subject of this report.

## **6.0 Geology**

### **6.1 Regional Geology**

Hoy and Andrews (1989b) and Hoy and Dunne (in press) have undertaken the most recent regional geological mapping in the area and most of the information in this



SILVER KING MINES LTD.	
SILVER KING PROJECT	
MINERALIZED VEINS & EXPLORATION TARGETS	
N.T.S. 82 F/S	Figure 4
ORIGINAL FROM LONGE (1997)	

To Accompany Report by R.H. McMillan	REVISION <i>author/drafter/date</i>	RHM	GEJ	Oct 00
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section is derived from these publications. The Silver King Mine is hosted by basic to intermediate rocks of the upper Elise Formation (Hoy and Andrews, 1989b) the central volcanic package of the Lower Jurassic Rosslund Group (figure 3). The Elise Formation is underlain by fine clastic metasedimentary strata of the Archibald Formation, and overlain by relatively coarser clastic rocks of the Hall Formation. The layered rocks are intruded by the middle to late Jurassic Nelson Batholith and many small coeval stocks, by mid-Eocene Coryell syenites and by Tertiary rhyolite and lamprophyre dykes.

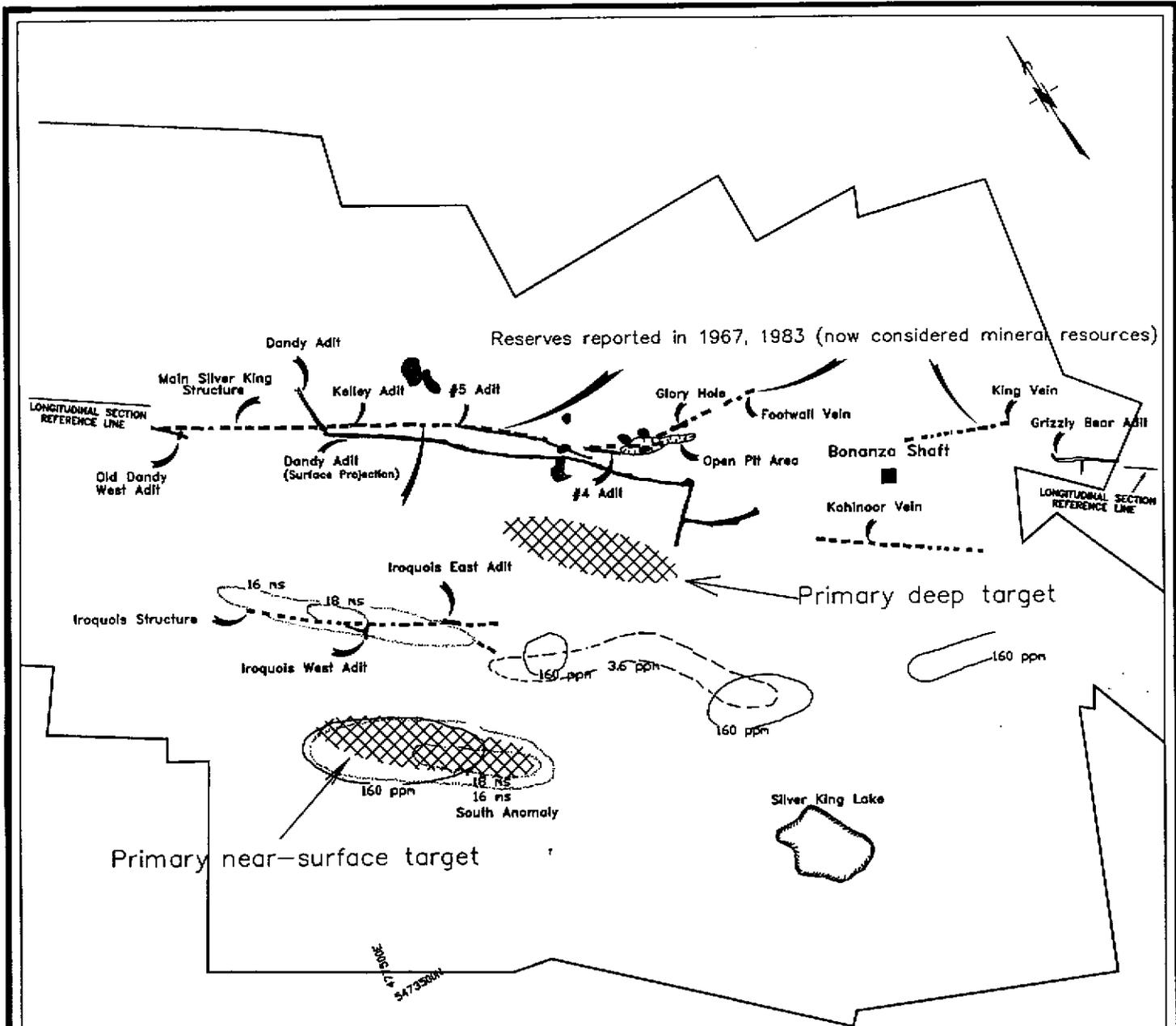
The Elise Formation consists of interfingering lenses of massive to brecciated flows, tuffs, subvolcanic porphyries with minor epiclastic intercalations. The Elise Formation has been divided into a lower and upper subdivision by Hoy and Andrew (1989a and 1989b) in the Nelson area. The lower Elise is comprised mainly of mafic flow breccias and flows and is approximately 1,000 metres thick. The upper Elise is composed predominantly of basic to intermediate volcanic and volcanoclastic rocks, reaching an aggregate thickness estimated to be 2,500 metres.

The structure of the Toad Mountain area and the Silver King property is dominated by northwest-trending tight folds and associated shear zones. The Hall Creek syncline is the most prominent fold in the area and consists of a south-plunging, west-dipping overturned fold. A pronounced cleavage is developed in clastic rocks and a penetrative deformation is developed in volcanic and some intrusive rocks parallel to the axial plane of the syncline. On the Silver King Mine property and to the northwest, the core of the syncline forms a zone of intense shearing which has been called the Silver King Shear - this zone reaches 1000 metres in width and is commonly the focus of sericite, chlorite and carbonate alteration.

## 6.2 Property Geology and Mineralization

The Elise Formation (Hoy and Dunne, in press) is the main ore host rock and is mainly composed of augite phyric volcanic rocks and chlorite schist. Volcanoclastic rocks are either coarse mafic pyroclastic breccias or flow breccias. Lenses and "pods" of concordant felsic material composed of siliceous and/or rhyolitic material has been interpreted to be of metasedimentary or metavolcanic origin, but might also be of intrusive origin. Silver King Porphyry, a plagioclase porphyry of quartz dioritic composition, outcrops to the northeast of the Silver King Mine area (Mulligan, 1952 and Hoy and Andrew, 1989a), but is not a major host to ore. The Silver King Shear trends northwest from the Hall Creek syncline through the Elise Formation into the Eagle Creek Plutonic Complex.

The significant veins and mineralized zones of the Silver King Mining camp are shown in figures 4 and 5. The veins include the Main Silver King Vein, the King Vein, the Iroquois Vein and the Kohinoor Vein. The veins are steeply south-dipping, and strike northwest, subparallel to the Silver King Shear. Mineralogically, the veins are mainly quartz with calcite and iron carbonate with minor hematite and sulphide minerals including pyrite, chalcopyrite, galena, minor sphalerite and trace tetrahedrite and bornite. As



**LEGEND**

Dump

Vein

Adits

**Soil Geochemistry**

160 ppm ppm Cu

3.6 ppm ppm Ag

**Geophysics (IP)**

16 ns chargeability in milliseconds

18 ns

**SILVER KING RESOURCES LTD.**

**SILVER KING PROJECT**

**PLAN SHOWING MAIN FEATURES**

N.T.S. 82 F/S      Figure 5

ORIGINAL FROM LONGE (1997)

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mentioned above, regional alteration associated with the Silver King Shear includes development of calcite and replacement of mafic minerals by chlorite, iron carbonate, sericite - locally K-feldspar alteration is found close to the mineralized veins.

The Main Silver King Vein has a strike length of more than 700 metres and widths of up to 15 metres. In addition to the more common minerals listed in the above paragraph, the Main Silver King Vein structure is characterized by minor amounts of the uncommon mineral stromeyerite (a copper-silver sulphide mineral) which is an important silver mineral. Lead and zinc contents are reported to increase in the eastern portions of the Main Silver King Vein structure. The mineralized zone consists of irregular stringers and massive quartz containing sulphide minerals. Sulphide minerals are commonly concentrated in cross fractures. In the open-pit area at the east end of the Main Vein structure, an east-west cross structure appears to intersect the Main Vein and in that area was the source of much past production as well as the current mineral resource.

The King Vein is located 300 metres east of the open-pit area at the east end of the Main Vein. Although drilling in the 1965-67 program outlined a small resource, it was not mapped on surface until a drilling-trenching program in 1983. At surface, a 0.5 metre mineralized zone is hosted in augite phyric altered Elise volcanic rocks, and contains pyrite, chalcopyrite and galena.

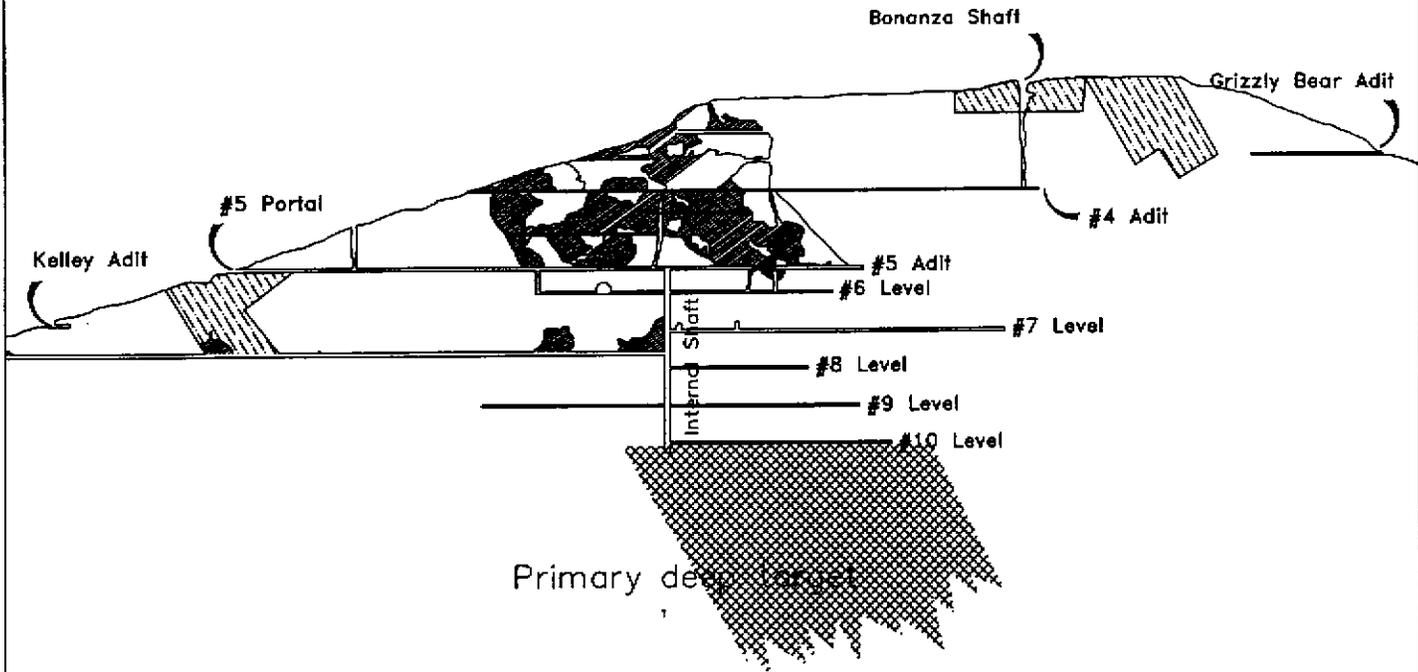
The Kohinoor Vein is located about 150 metres south of the King Vein and was discovered in the 1965-67 drill program.

The Iroquois structure is located 300 metres south of the Main Vein structure and has been traced for a length of approximately 300 metres. It is comprised of irregular stringers and massive quartz with disseminated pyrite, lesser amounts of chalcopyrite, galena, sphalerite and minor bornite. Sulphides are commonly concentrated in east-west cross fractures within the 'shear'. The immediate hangingwall and footwall are bleached probably due to sericitization and silicification.

### **6.3 Mineral Resources**

Estimates of the mineral inventory were made by Lorimer in 1967 after the New Cronin Babine Mines program and are reported in Aylward (1983). As stated above, Lorimer calculated a "proven reserve" of 75,026 tonnes grading 295 g/t Ag, 2.1% Cu and 0.9% Pb for the King Vein, Main Vein Extension, Footwall X-Vein, Footwall Vein, D45 and D50 structures and the Nos. 1, 3, 4, 5 and 6 Dumps, with an additional 33,000 tonnes (36,000 tons) of "probable ore" grading 439 g/t Ag and 1.8% Cu from underground as well as the Bonanza and Main pits. Aylward (1983), after the Hecate Gold Corporation and Host Ventures Ltd. work made a new estimate in 1983. Aylward (1983), utilized a density factor of 12 ft.<sup>3</sup>/ton for bedrock and 17 ft.<sup>3</sup>/ton for dump material. Aylward (1983) termed his calculation a "proven ore reserve" which totaled 68,144 tonnes (75,115 tons)

# Section facing north-east



0 100 200m

 Reserves reported in 1967, 1983  
(now considered mineral resources)

 Stoped out

SILVER KING MINES LTD.  
SILVER KING PROJECT  
LONGITUDINAL SECTION  
ALONG MAIN SILVER KING  
STRUCTURE

To Accompany Report by E.H. McMillan	REVISION <small>author/drafts/dats</small>	RHM	GEJ	Oct 00
File Name: FIGURES.DWG	ORIGINAL <small>author/drafts/dats</small>	RVL	DAW	Mar 97

N.T.S. 82 F/S      Figure 6  
ORIGINAL FROM LONGE (1997)

of "ore" grading 252 g/t Ag, 1.7% Cu and 0.9% Pb. The "ore reserve" is distributed in several areas - Aylward's (1983) calculation is reproduced in Table I below:

**Table 3 - "Proven Ore Reserve" by Aylward (1983)**

Block	Tons (tonnes)	Ag oz./ton (g/tonne)	Cu %	Pb %	Zn %	Au oz./ton (g/tonne)	Remarks
King Vein	32,800	7.54	2.09	0.54	-	-	Bonanza area
*Main Vein Extension	6,100	8.4	1.6	0.1	-	-	East of Open Pit and stopes
*F.W. Vein	13,200	9.5	1.8	1.0	-	-	F.W. of Open Pit and east of same
*Open Pit	6,777	2.9	1.2	0.3	-	-	
D50	8,400	8.8	1.1	3.6	-	-	
D45	1,018	6.6	0.6	4.3	-	-	
Dump 1A	1,070	4.07	1.35	0.14	0.15	tr	
Dump 1B	3,350	4.43	1.02	0.10	0.20	tr	
Dump 3	130	9.34	1.84	0.01	0.05	tr	
Dump 4	330	3.44	0.97	0.05	0.13	tr	
Dump 5	1,030	4.31	1.39	0.03	0.08	tr	
Dump 6	350	2.45	0.99	0.05	0.15	tr	
Dump 6B	300	2.40	1.29	0.06	0.25	tr	
Dump 6C	260	2.28	1.19	0.04	0.15	tr	
<b>Total</b>	75,115	7.35	1.70	0.92	-	-	
	(68,144)	252.0	1.7	0.9	-	-	

\* tonnage and grade estimates calculated by Lorimer (1967) and included in Aylward's estimate.

Aylward's (1983) estimate of "proven ore" is similar to the earlier estimate by Lorimer the main difference being Lorimer's "probable ore" which Aylward does not dispute.

While this author has no reason to suggest that the calculation by Aylward (1983) is not a valid representation of the mineral resource at the Silver King Mine, it would not qualify as a "proven ore reserve" under current definitions which require a demonstration of economic viability. Further, no attempt has been made in the current work to verify any of the data utilized by Aylward (1983). The report by Lorimer (1967) is unavailable. Aylward's (1983) estimate is included here to provide an order-of-magnitude impression.

## 7.0 Geophysics

As part of the 1965-67 work program, White and Cruz (1973) report that 17.0 km of linecutting and grid preparation and a time-domain Induced Polarization (IP) survey were completed. Lines were spaced at 400 ft. (131 m). The IP survey utilized a 3 electrode array, with a=200 ft. (66 m) and n=1, with detail at a=100 ft. (33 m), n=1 and a=200 ft.(66 m), n=2 and 3. The survey detected a chargeability anomaly of 16 milliseconds which is traceable for 400 metres over the Iroquois Vein (fig. 5) and a second

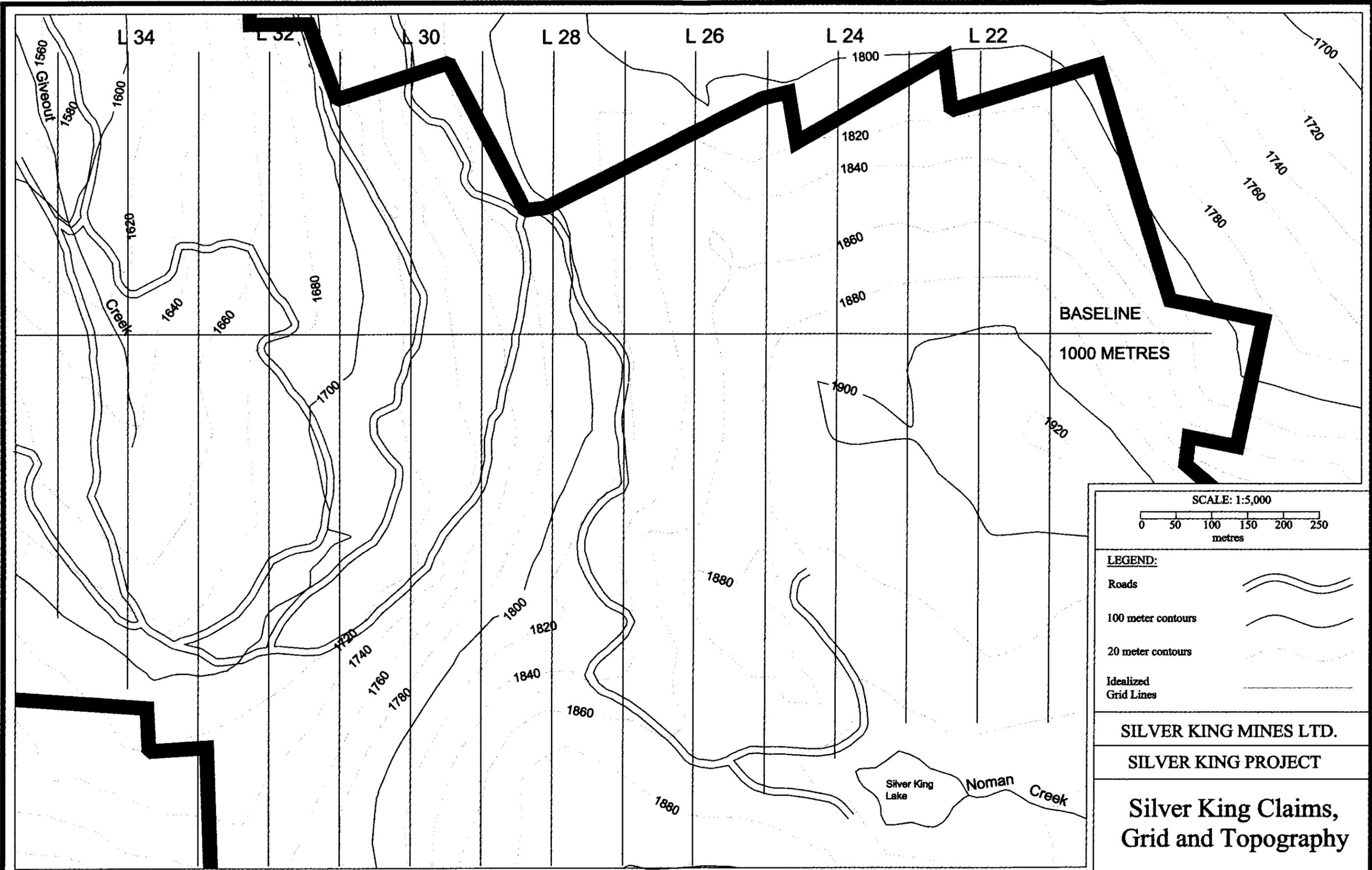
anomaly of similar magnitude 200 metres south of the Iroquois Vein which has been called the South Anomaly. The South Anomaly is 375 metres in length and also strikes northwest, parallel to the Silver King and other major vein structures on the property. Both the Iroquois and the South Anomalies reach peak values of >18 milliseconds.

Lloyd and Associates completed an IP survey over the grid cut by Amulet Resources in 1988. Unfortunately no report is available on this work, however a summary map of this work was made available to the author and shows anomalies of similar magnitude, shape and orientation and in the same general area as those reported in the earlier work by White and Cruz (1973).

## 8.0 Geochemistry

During the 1965-67 program (White and Cruz, 1973) 200 soil samples were collected and analyzed for Ag, Cu and Pb. Samples were collected at intervals of 200 ft. (66 m) on lines spaced at 400 ft. (131 m). Strong multi-element anomalies were detected in the vicinity of the Silver King Vein and associated dumps - however these anomalies are not of interest as exploration guides. The work shows a one-sample silver (3.0 ppm) and lead (165 ppm) anomaly over the Iroquois Vein, with copper slightly anomalous at 147 ppm. Eastward, along strike from the Iroquois Vein (fig. 5), samples anomalous in copper (>160 ppm) and silver (> 3.6 ppm) continue for 500 metres - no anomalous chargeability was detected in the IP survey in this area. The geochemical survey outlined a moderately strong copper anomaly overlying the South IP Anomaly (fig. 5) - values reach 290 ppm Cu and extend over a strike length of 130 metres.

The work program under the current owners and management began in 1998, with a linecutting program, an IP survey and collection of soil geochemical samples at 25 metre intervals on the survey lines. A total of 312 samples have been analyzed by 28 element Inductively Coupled Plasma-Mass Spectroscopy (ICP) - 263 in 1998 and an additional 49 in 2000. The data are presented in Appendix III. The results for Cu, Ag, Zn and Pb have been plotted and presented in figures 8, 9, 10 and 11. As in the previous surveys, there are two anomalous areas of potential interest. The strongest anomaly is associated with the Iroquois Vein structure. While copper values are generally below the threshold considered anomalous, the sample from line 29, 7+25 N returned a value of 631 ppm Cu associated with strong silver (> 30 ppm), zinc (2134 ppm) and lead (2422 ppm). Although the copper anomaly is limited to one line (100 metres), lead, zinc and/or silver are anomalous over a strike length of approximately 1 km. The second anomalous area is located 200 metres south of the Iroquois Vein and confirms the South Anomaly detected in the White and Cruz (1973) surveys. The present work has shown the South Anomaly to be more extensive and stronger than indicated by the White and Cruz (1973) work, with Cu values reaching 349 ppm Cu and extending over a strike length of 350 metres.



SCALE: 1:5,000

0 50 100 150 200 250  
metres

**LEGEND:**

Roads

100 meter contours

20 meter contours

Idealized Grid Lines

---

**SILVER KING MINES LTD.**

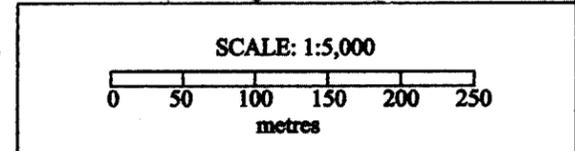
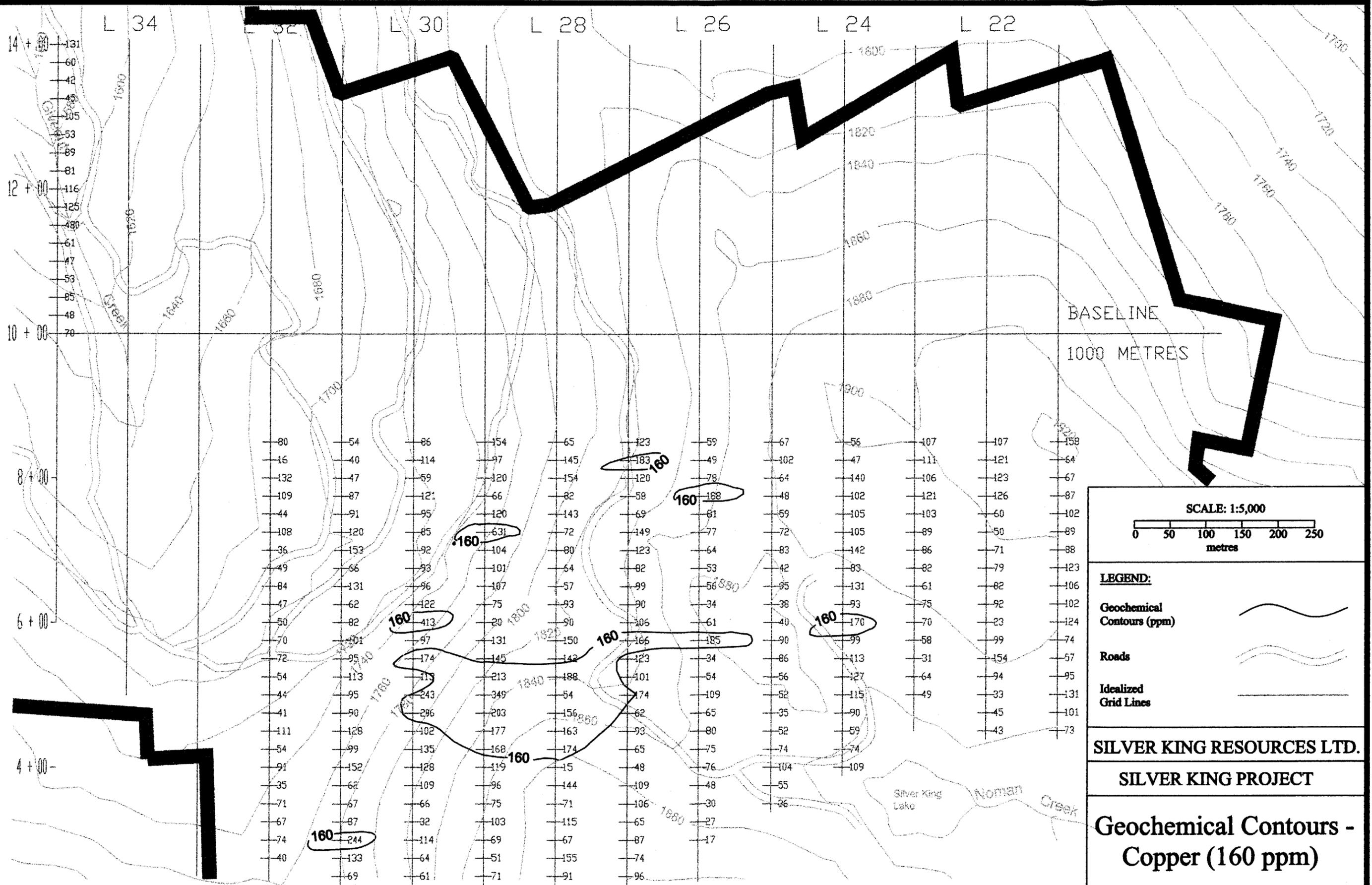
**SILVER KING PROJECT**

**Silver King Claims,  
Grid and Topography**

To Accompany Report by R.H. McMillan	REVISION author/drafter/date			
File Name: FIGURE7.DWG	ORIGINAL author/drafter/date	RHM	GEJ	October 2000

N.T.S 82 F/S Figure 7

Drawn by: TerraSat Geomatics Inc.



**LEGEND:**

Geochemical Contours (ppm)	
Roads	
Idealized Grid Lines	

SILVER KING RESOURCES LTD.

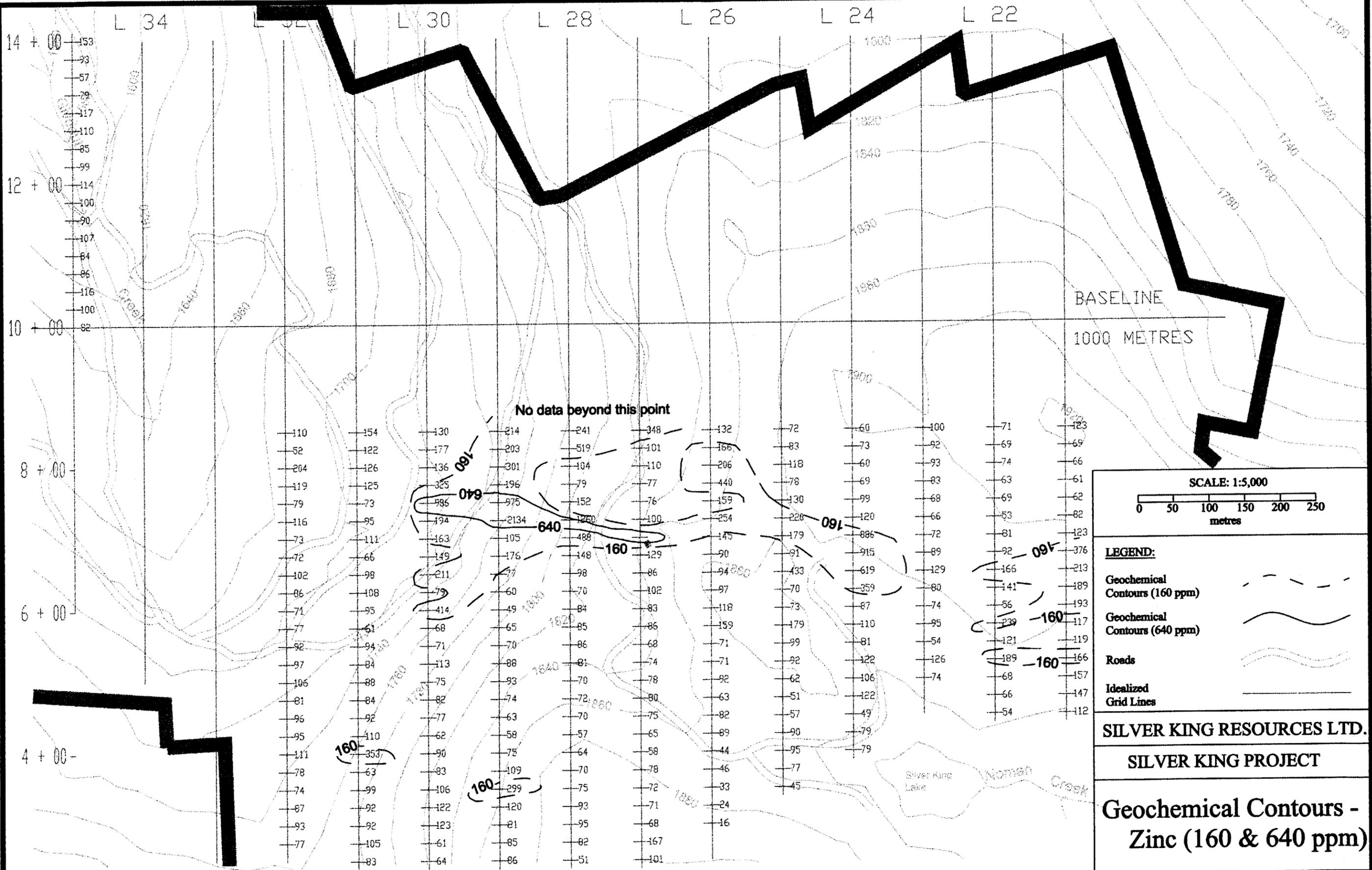
SILVER KING PROJECT

Geochemical Contours -  
Copper (160 ppm)

To Accompany Report by R.H. McMillan	REVISION			
	author/drafter/date			
File Name: COPPER.DWG	ORIGINAL	RHM	GEJ	October 2000
	author/drafter/date			

N.T.S 82 F/S      Figure 8





No data beyond this point

BASELINE  
1000 METRES

**SCALE: 1:5,000**

0 50 100 150 200 250  
metres

**LEGEND:**

Geochemical Contours (160 ppm)

Geochemical Contours (640 ppm)

Roads

Idealized Grid Lines

---

**SILVER KING RESOURCES LTD.**

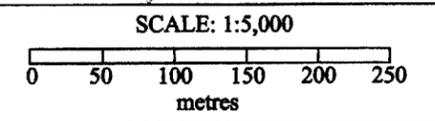
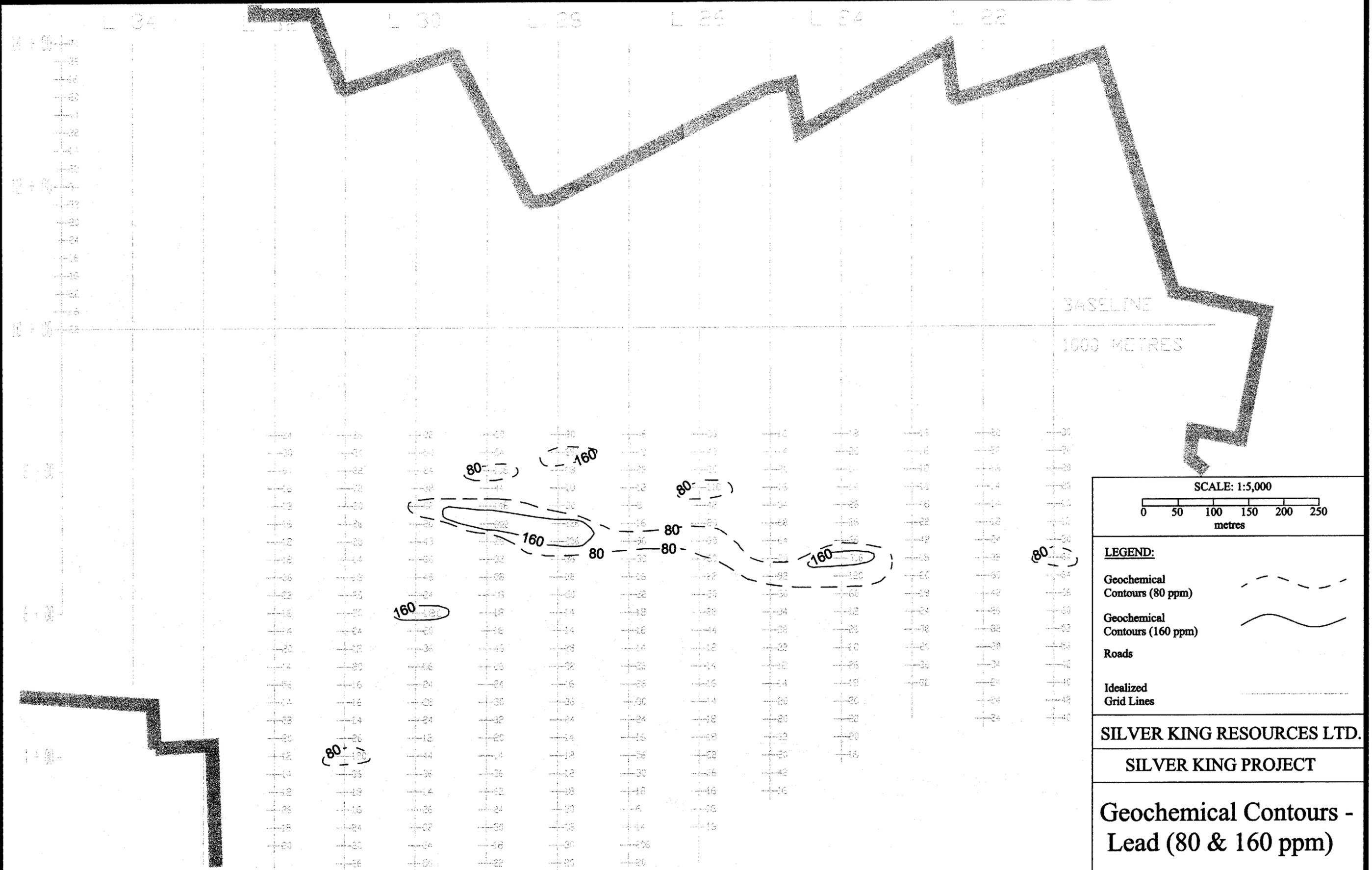
**SILVER KING PROJECT**

**Geochemical Contours -  
Zinc (160 & 640 ppm)**

---

N.T.S 82 F/S Figure 10

To Accompany Report by R.H. McMillan	REVISION			
	author/drawn/date			
File Name: ZINC.DWG	ORIGINAL	RHM	GEJ	October 2000
	author/drawn/date			



**LEGEND:**

Geochemical Contours (80 ppm)	
Geochemical Contours (160 ppm)	
Roads	
Idealized Grid Lines	

**SILVER KING RESOURCES LTD.**

**SILVER KING PROJECT**

**Geochemical Contours -  
Lead (80 & 160 ppm)**

N.T.S 82 F/S

Figure 11

To Accompany Report by R.H. McMillan	REVISION author/drafter/date			
File Name: LEAD.DWG	ORIGINAL author/drafter/date	RHM	GEJ	October 2000

## **9.0 Discussion of the Exploration Potential and Recommendations**

Both the present work by Arbutus Resources and Silver King Mines and the earlier White and Cruz (1973) surveys detected IP and soil geochemical anomalies in the same general locations. The anomalies detected in both cases are of surprisingly similar magnitude, given the slightly different grid location lines and technologies. Ground checking showed that the high-priority anomalies (in the area of line 29, 7+25 north) are associated with the Iroquois Vein - several drill holes, trenches and an adit have tested the Iroquois structure and it is difficult to recommend additional drilling in this area.

The author concurs with the recommendations made by Longe (1997) that two target areas should be drill-tested at some point. The first target is the South Anomaly (fig. 5) which is overburden-covered and remains unexplained at the moment. However, prior to any drilling some detailed prospecting and/or trenching should be undertaken west of the bush road near line 27. The second target, the Silver King Vein Structure below the existing mine workings (300 metres) also remains a valid target - however prior to any drilling a deeply-penetrating electromagnetic or induced polarization survey should be undertaken to attempt to optimize the target.

Respectfully Submitted,



R.H. McMillan

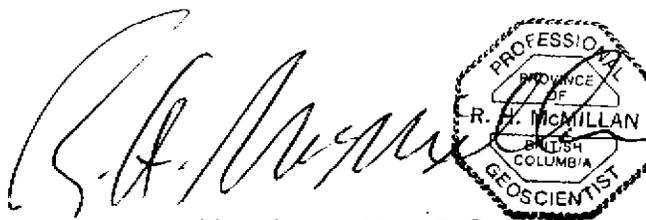
## **Appendix I      Bibliography**

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## Appendix II            Certificate

I, RONALD HUGH McMILLAN, of 6606 Mark Lane, Victoria,  
British Columbia (V9E 2A1), do hereby certify that:

1. I am a Consulting Geologist, registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1992, and with the Association of Professional Engineers of Ontario since 1981.
2. I am a graduate of the University of British Columbia with B.Sc. (Hons. Geology, 1962), and the University of Western Ontario with M.Sc. and Ph.D. (1969 and 1972) in Mineral Deposits Geology.
3. I have practised my profession throughout Canada, as well as in other areas of the world continuously since 1962.
4. The foregoing report on the Silver King Property is based on a review of the reports listed in the bibliography in Appendix I and a visit to the Property and surrounding area on July 14 and 15 in the company of the owners, Mr. George Robson and Mr. Don Graham.
5. I have no interest in the Silver King Mineral Property claims, nor in Silver King Mines Ltd. or any associated company.

The image shows a handwritten signature in cursive script, which appears to read 'R. H. McMillan'. To the right of the signature is a circular professional seal. The seal has a double-line border. The outer ring contains the text 'PROFESSIONAL' at the top and 'GEOSCIENTIST' at the bottom. The inner ring contains 'PROVINCE OF' at the top and 'BRITISH COLUMBIA' at the bottom. In the center of the seal, the name 'R. H. McMILLAN' is printed.

R. H. McMillan Ph.D., P.Eng., P.Geo.

Victoria, B. C.  
20 Oct. 2000

## **Appendix III**

**ICP Certificate of Analysis AK 2000-135 and AK 98-628P  
(ECO-TECH Labs. Ltd.) - 9 pages**

13-Jul-00

ECO-TECH LABORATORIES LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-135

SILVER KING MINES LTD.  
9130 NORUM ROAD  
NORTH DELTA, BC  
V4C 3J1

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: GEORGE ROBSON

No. of samples received: 49  
Sample type: Pulp  
Project #: None Given  
Shipment #: None Given  
Samples submitted by: G. Robson

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L21E 4+50N	<0.2	2.91	15	170	15	0.44	<1	25	77	73	4.64	<10	1.36	1853	<1	0.07	36	940	40	<5	<20	39	0.17	<10	96	<10	5	112
2	L21E 4+75N	0.2	3.31	15	285	5	0.65	<1	28	122	101	4.97	<10	1.69	1552	<1	0.01	62	840	42	<5	<20	53	0.11	<10	102	<10	4	147
3	L21E 5+00N	<0.2	3.26	20	235	5	0.46	<1	37	188	131	5.58	<10	2.25	1314	<1	0.01	91	810	40	<5	<20	38	0.14	<10	127	<10	5	157
4	L21E 5+25N	<0.2	3.19	15	290	<5	0.59	<1	38	230	95	5.86	<10	2.85	1636	<1	0.01	95	1150	42	<5	<20	36	0.17	<10	157	<10	<1	166
5	L21E 5+50N	<0.2	2.23	5	140	5	0.26	<1	22	55	57	4.52	<10	0.92	2014	<1	0.01	25	930	58	<5	<20	29	0.08	<10	71	<10	<1	119
6	L21E 5+75N	<0.2	2.51	5	160	10	0.27	<1	24	67	74	5.38	<10	1.23	1301	<1	0.01	29	890	52	<5	<20	25	0.14	<10	93	<10	<1	117
7	L21E 6+00N	0.8	1.96	50	255	<5	0.18	1	40	86	124	6.47	<10	0.58	1882	3	0.01	60	1280	60	<5	<20	14	0.05	<10	68	<10	<1	193
8	L21E 6+25N	0.6	1.80	85	180	<5	0.11	<1	40	100	102	6.88	<10	0.65	2525	2	0.01	75	1730	66	<5	<20	9	0.07	<10	72	<10	<1	189
9	L21E 6+50N	<0.2	3.93	20	175	10	0.25	<1	45	264	106	6.16	<10	3.41	1919	<1	0.01	121	920	64	<5	<20	15	0.26	<10	189	<10	<1	213
10	L21E 6+75N	<0.2	3.58	25	175	<5	0.23	2	46	213	123	6.63	<10	2.50	1754	<1	0.01	130	1090	84	<5	<20	13	0.22	<10	115	<10	<1	376
11	L21E 7+00N	<0.2	3.28	10	130	10	0.31	<1	34	159	88	4.71	<10	2.33	1226	<1	0.01	99	980	30	<5	<20	19	0.15	<10	108	<10	2	123
12	L21E 7+25N	<0.2	3.03	10	145	10	0.50	<1	42	212	89	4.66	<10	3.55	1429	<1	0.01	117	1150	12	5	<20	28	0.17	<10	150	<10	<1	82
13	L21E 7+50N	<0.2	3.16	10	125	10	0.53	<1	42	228	102	4.37	<10	4.16	808	<1	<0.01	118	1070	10	5	<20	29	0.21	<10	170	<10	<1	62
14	L21E 7+75N	<0.2	2.59	10	80	10	0.14	<1	26	155	87	4.60	<10	1.82	537	<1	0.01	67	950	20	<5	<20	18	0.18	<10	113	<10	<1	61
15	L21E 8+00N	<0.2	2.63	10	65	5	0.12	<1	24	127	67	4.24	<10	1.71	695	<1	0.01	66	950	20	<5	<20	12	0.15	<10	94	<10	<1	66
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17	L21E 8+50N	<0.2	4.45	<5	270	10	0.37	<1	48	465	158	7.42	<10	4.65	1071	<1	<0.01	141	1200	30	<5	<20	18	0.33	<10	254	<10	<1	123
18	L22E 4+50N	<0.2	3.33	10	70	10	0.08	<1	15	46	43	4.45	<10	0.68	266	<1	0.01	19	540	24	<5	<20	9	0.18	<10	83	<10	<1	54
19	L22E 4+75N	<0.2	3.30	10	75	10	0.09	<1	16	51	45	4.49	<10	0.87	277	<1	0.01	22	730	24	<5	<20	12	0.19	<10	83	<10	<1	66
20	L22E 5+00N	<0.2	2.67	5	75	15	0.06	<1	15	71	33	4.47	<10	0.87	350	<1	0.02	29	1540	24	<5	<20	7	0.15	<10	78	<10	<1	68

ECO-TECH LABORATORIES LTD.

ICP CERTIFICATE OF ANALYSIS AK 2000-135

SILVER KING MINES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	L22E 5+25N	0.6	1.62	30	255	10	0.17	<1	42	63	94	7.07	<10	0.27	2529	5	0.01	55	1410	34	<5	<20	18	0.03	<10	68	<10	1	189
22	L22E 5+50N	<0.2	3.12	40	30	125	0.25	<1	40	95	154	6.13	<10	1.68	677	<1	<0.01	37	1400	80	<5	20	<1	0.19	<10	117	<10	11	121
23	L22E 5+75N	0.4	2.32	40	155	5	0.23	<1	27	62	99	5.04	<10	0.92	1085	<1	0.01	44	980	82	<5	<20	13	0.10	<10	75	<10	<1	239
24	L22E 6+00N	<0.2	1.37	<5	65	10	0.09	<1	8	19	23	3.46	<10	0.32	351	1	0.01	10	950	26	<5	<20	7	0.06	<10	48	<10	<1	56
25	L22E 6+25N	<0.2	2.70	20	130	5	0.13	<1	29	129	92	5.44	<10	1.37	868	<1	0.01	61	1100	42	<5	<20	11	0.13	<10	104	<10	<1	141
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29	L22E 7+25N	<0.2	2.81	15	55	10	0.12	<1	23	128	50	4.00	<10	1.64	378	<1	0.02	60	1510	18	<5	<20	11	0.18	<10	104	<10	<1	53
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31	L22E 7+75N	<0.2	3.13	<5	135	<5	0.43	<1	28	204	126	4.41	<10	2.49	409	<1	0.01	80	640	14	<5	<20	34	0.15	<10	118	<10	<1	63
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34	L22E 8+50N	<0.2	3.77	5	300	10	1.05	<1	41	310	107	6.46	<10	4.32	1557	<1	0.01	127	990	22	<5	<20	71	0.23	<10	189	<10	<1	71
35	L23E 5+00N	<0.2	2.51	10	95	10	0.10	<1	19	69	49	4.92	<10	0.93	346	<1	0.01	36	580	32	<5	<20	14	0.16	<10	94	<10	<1	74
36	L23E 5+25N	<0.2	3.27	15	235	<5	0.20	<1	24	50	64	4.52	<10	0.72	1823	<1	0.02	34	1330	36	<5	<20	25	0.12	<10	70	<10	3	126
37	L23E 5+50N	<0.2	2.16	<5	90	5	0.06	<1	14	80	31	4.82	<10	0.60	234	<1	0.01	32	550	20	<5	<20	8	0.12	<10	111	<10	<1	54
38	L23E 5+75N	<0.2	2.75	20	85	<5	0.09	<1	19	67	58	4.57	<10	0.80	480	<1	0.01	31	1540	38	<5	<20	10	0.15	<10	85	<10	<1	95
39	L23E 6+00N	<0.2	3.07	10	70	10	0.16	<1	19	59	70	5.35	<10	1.07	376	<1	0.01	22	960	24	<5	<20	19	0.19	<10	105	<10	<1	74
40	L23E 6+25N	<0.2	3.84	15	70	10	0.12	<1	37	196	75	5.19	<10	3.06	1738	<1	0.02	86	700	18	<5	<20	11	0.22	<10	149	<10	<1	80
41	L23E 6+50N	<0.2	2.80	25	65	<5	0.10	<1	29	141	61	4.43	<10	2.31	880	<1	0.01	68	750	26	<5	<20	9	0.19	<10	126	<10	<1	129
42	L23E 6+75N	<0.2	2.73	25	60	<5	0.19	<1	33	201	82	4.85	<10	2.43	709	<1	0.01	93	1290	18	<5	<20	18	0.21	<10	150	<10	<1	89
43	L23E 7+00N	0.4	2.81	5	140	10	0.45	<1	23	155	86	3.92	<10	2.04	429	<1	0.02	65	790	42	<5	<20	38	0.11	<10	110	<10	<1	72
44	L23E 7+25N	<0.2	2.93	10	130	<5	0.29	<1	28	171	89	4.67	<10	2.23	632	<1	0.02	71	580	22	<5	<20	28	0.16	<10	121	<10	<1	66
45	L23E 7+50N	<0.2	2.94	10	115	<5	0.24	<1	32	226	103	4.98	<10	2.48	1003	<1	0.01	85	900	18	<5	<20	24	0.16	<10	136	<10	<1	88
46	L23E 7+75N	<0.2	3.18	<5	230	<5	0.41	<1	37	213	121	5.36	<10	2.41	1499	<1	0.02	100	840	18	<5	<20	33	0.17	<10	136	<10	<1	83
47	L23E 8+00N	<0.2	2.74	<5	225	5	0.23	<1	40	178	106	5.51	<10	1.88	1262	<1	0.01	115	1380	12	<5	<20	19	0.18	<10	112	<10	<1	93
48	L23E 8+25N	<0.2	2.54	<5	150	5	0.14	<1	41	185	111	6.38	<10	1.41	1475	<1	0.01	121	1180	16	<5	<20	9	0.17	<10	107	<10	<1	92
49	L23E 8+50N	<0.2	3.82	10	255	<5	0.49	<1	43	251	107	5.88	<10	2.76	1474	<1	0.02	132	1040	16	<5	<20	45	0.20	<10	144	<10	<1	100

ECO-TECH LABORATORIES LTD.

ICP CERTIFICATE OF ANALYSIS AK 2000-135

SILVER KING MINES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
-------	-------	----	------	----	----	----	------	----	----	----	----	------	----	------	----	----	------	----	---	----	----	----	----	------	---	---	---	---	----

## QC DATA:

## Repeat:

1	L21E 4+50N	<0.2	2.94	10	155	10	0.44	<1	25	78	74	4.66	<10	1.41	1961	<1	0.01	37	810	36	<5	<20	40	0.12	<10	95	<10	3	113
10	L21E 8+75N	<0.2	3.62	25	195	15	0.25	2	48	220	126	6.46	<10	2.65	1854	<1	0.01	139	1120	96	<5	<20	13	0.25	<10	121	<10	<1	390
23	L22E 5+75N	0.4	2.53	40	160	<5	0.25	<1	27	73	101	5.20	<10	1.07	1056	<1	0.02	48	970	78	<5	<20	18	0.11	<10	83	<10	<1	238
32	L22E 8+00N	0.2	3.58	10	275	<5	0.70	<1	30	178	166	4.62	<10	2.87	590	<1	0.02	94	850	28	<5	<20	53	0.14	<10	136	<10	2	97

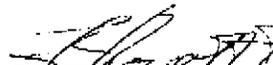
## Standard:

GEO'00		1.2	1.91	65	165	<5	1.84	<1	19	59	82	4.14	<10	0.98	682	<1	0.03	25	630	18	<5	<20	67	0.13	<10	82	<10	5	65
GEO'00		1.2	1.93	85	180	<5	1.79	<1	19	65	82	4.15	<10	1.01	781	<1	0.02	22	650	20	<5	<20	66	0.13	<10	84	<10	6	66

dl/2000

XLS/00

Fax: 604-589-5865 SilverKing

  
 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

28-Oct-98

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 98-628P

REQUESTED SAMPLES

KOKANEE MINERALS LTD.  
1419-133 A. STREET  
SURREY, BC  
V4A 6A2

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: LAURIE STEPHENSON

No. of samples received: 639  
Sample type: Soil  
PROJECT #: SILVER KING  
SHIPMENT #: None Given  
Samples submitted by: K. Murray

Values in ppm unless otherwise reported

Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
116	L24E 4+00N			<0.2	4.02	10	70	<5	0.14	<1	23	94	109	5.30	<10	1.58	384	<1	0.01	43	620	16	<5	<20	24	0.18	<10	107	<10	<1	79
117	L24E 4+25N			<0.2	3.39	10	105	5	0.19	<1	19	64	74	4.75	<10	1.12	368	<1	0.02	30	980	20	<5	<20	25	0.20	<10	95	<10	<1	79
118	L24E 4+50N			<0.2	3.48	10	75	10	0.10	<1	13	52	59	3.91	<10	0.70	183	<1	0.02	22	490	22	<5	<20	14	0.15	<10	75	<10	<1	49
119	L24E 4+75N			<0.2	3.50	10	335	10	0.60	<1	30	122	90	5.02	<10	1.82	829	<1	0.02	73	970	26	<5	<20	61	0.19	<10	106	<10	2	122
120	L24E 5+00N			<0.2	3.03	10	190	<5	0.18	<1	38	189	115	5.26	<10	1.82	1652	<1	0.01	97	1150	18	<5	<20	17	0.12	<10	108	<10	<1	106
121	L24E 5+25N			<0.2	2.20	20	155	<5	0.19	<1	35	144	127	6.53	<10	1.18	699	<1	0.01	103	1200	26	<5	<20	13	0.16	<10	87	<10	<1	122
122	L24E 5+50N			<0.2	3.19	<5	180	<5	0.54	<1	41	291	113	5.54	<10	3.63	864	<1	0.01	115	1380	10	<5	<20	34	0.22	<10	179	<10	<1	81
123	L24E 5+75N			<0.2	2.73	5	235	<5	0.30	<1	36	137	99	5.48	<10	1.74	862	<1	0.01	79	750	26	<5	<20	37	0.15	<10	116	<10	<1	110
124	L24E 6+00N			<0.2	2.93	5	220	<5	0.46	<1	48	268	170	5.59	<10	3.18	1555	<1	0.01	149	1760	12	<5	<20	32	0.14	<10	139	<10	<1	87
125	L24E 6+25N			0.6	3.04	30	240	<5	0.63	2	27	100	93	4.57	<10	1.62	1408	<1	0.02	61	1160	60	<5	<20	51	0.09	<10	96	<10	2	359
126	L24E 6+50N	-48		0.4	2.19	105	245	10	0.41	3	84	182	131	7.08	<10	1.48	2655	<1	0.01	146	1660	120	<5	<20	28	0.12	<10	89	<10	<1	619
127	L24E 6+75N			3.2	1.60	250	145	<5	0.19	4	34	64	83	8.16	<10	0.25	2843	7	0.01	65	1640	558	<5	<20	14	0.05	<10	83	<10	<1	916
128	L24E 7+00N			2.2	3.94	25	165	<5	0.39	3	33	177	142	5.48	<10	2.69	1004	<1	0.02	100	950	66	<5	<20	36	0.17	<10	132	<10	4	886
129	L24E 7+25N			<0.2	3.86	10	140	10	0.28	<1	40	280	105	5.66	<10	3.68	948	<1	0.01	106	980	28	<5	<20	18	0.24	<10	184	<10	<1	120
130	L24E 7+50N			<0.2	3.36	10	195	<5	0.67	<1	34	185	105	4.94	<10	3.07	1391	<1	0.02	95	900	28	<5	<20	55	0.15	<10	143	<10	<1	99
131	L24E 7+75N			<0.2	3.89	10	225	<5	1.12	<1	37	281	102	4.84	<10	4.47	734	<1	0.02	127	930	14	10	<20	91	0.16	<10	173	<10	2	69
132	L24E 8+00N	-48		<0.2	3.89	15	190	<5	0.77	<1	42	282	140	4.88	<10	4.64	1249	<1	0.02	130	630	14	10	<20	57	0.19	<10	171	<10	<1	60
133	L24E 8+25N			<0.2	3.26	5	165	15	0.51	<1	40	246	47	5.14	<10	3.75	1842	<1	0.01	114	700	26	<5	<20	43	0.21	<10	179	<10	<1	73
134	L24E 8+50N			<0.2	2.98	5	115	5	0.17	<1	24	139	58	4.18	<10	1.83	307	<1	0.02	64	800	18	<5	<20	15	0.20	<10	100	<10	<1	60
157	L25E 3+50N			<0.2	2.06	10	90	<5	0.07	<1	9	14	36	4.58	<10	0.16	328	2	0.01	6	1150	16	<5	<20	12	0.07	<10	45	<10	<1	45

10/13/00

KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 98-628P

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
158	L25E 3+75N	-48		0.4	1.31	30	270	<5	0.22	<1	19	11	55	3.88	<10	0.16	2540	3	0.01	10	1100	42	5	<20	40	0.05	<10	38	<10	<1	77
159	L25E 4+00N			<0.2	2.33	15	285	<5	0.35	<1	23	37	104	4.34	<10	0.53	1863	2	0.01	23	890	20	5	<20	78	0.09	<10	55	<10	3	95
160	L25E 4+25N			<0.2	2.74	25	235	<5	0.24	<1	24	100	74	5.13	<10	0.95	1714	<1	0.02	48	1030	32	5	<20	29	0.12	<10	86	<10	<1	90
161	L25E 4+50N			<0.2	2.40	15	75	<5	0.07	<1	13	50	52	4.89	<10	0.55	397	<1	0.01	22	1080	20	5	<20	11	0.10	<10	74	<10	<1	57
162	L25E 4+75N			<0.2	3.05	10	70	<5	0.07	<1	12	78	35	5.11	<10	0.45	197	<1	0.01	27	910	20	5	<20	8	0.13	<10	82	<10	<1	51
163	L25E 5+00N			<0.2	2.78	<5	55	<5	0.07	<1	32	227	52	6.08	<10	2.43	696	<1	0.01	86	760	14	5	<20	8	0.16	<10	153	<10	<1	62
164	L25E 5+25N			<0.2	2.72	<5	210	15	0.51	<1	48	273	56	6.66	<10	2.89	2385	<1	0.01	130	1410	12	5	<20	28	0.17	<10	152	<10	<1	92
165	L25E 5+50N			<0.2	3.34	10	160	<5	0.24	<1	33	165	86	5.35	<10	2.42	1482	<1	0.02	74	840	22	5	<20	19	0.16	<10	139	<10	<1	99
166	L25E 5+75N			0.6	2.76	10	185	<5	0.18	<1	41	123	90	6.71	<10	1.35	1702	<1	0.01	87	1250	38	5	<20	17	0.14	<10	98	<10	<1	179
167	L25E 6+00N			<0.2	2.05	5	100	<5	0.14	<1	17	48	40	4.81	<10	0.63	714	<1	0.01	22	1180	34	5	<20	16	0.14	<10	79	<10	<1	73
168	L25E 6+25N			<0.2	2.80	10	80	5	0.10	<1	15	51	38	5.82	<10	0.75	381	<1	0.01	20	1910	30	5	<20	14	0.17	<10	98	<10	<1	70
169	L25E 6+50N			0.2	2.54	70	145	5	0.09	<1	42	81	95	8.69	<10	0.80	1176	5	0.01	69	1140	92	5	<20	7	0.09	<10	75	<10	<1	433
170	L25E 6+75N			<0.2	3.03	10	205	10	0.44	<1	46	250	42	6.26	<10	3.25	2069	<1	0.01	133	1140	20	5	<20	21	0.20	<10	150	<10	<1	91
171	L25E 7+00N			1.0	2.08	20	100	<5	0.08	<1	19	50	83	5.60	<10	0.54	564	2	0.01	36	1270	64	5	<20	11	0.08	<10	71	<10	<1	179
172	L25E 7+25N			1.6	2.68	15	120	5	0.11	<1	35	109	72	6.08	<10	1.18	2579	1	0.01	73	1750	68	5	<20	10	0.09	<10	90	<10	<1	220
173	L25E 7+50N			0.4	3.08	5	95	<5	0.24	<1	26	142	59	4.93	<10	2.05	628	<1	0.02	69	1040	34	5	<20	23	0.10	<10	107	<10	<1	130
174	L25E 7+75N			<0.2	3.19	10	85	10	0.13	<1	31	128	48	5.58	<10	2.45	405	<1	0.01	59	1020	16	5	<20	10	0.19	<10	112	<10	<1	78
175	L25E 8+00N			<0.2	3.88	10	80	5	0.14	<1	36	151	64	6.58	<10	2.91	630	<1	0.01	58	1480	20	5	<20	10	0.25	<10	141	<10	<1	116
176	L25E 8+25N			<0.2	2.86	16	70	<5	0.22	<1	34	125	102	5.49	<10	2.77	1632	<1	0.01	56	940	14	5	<20	24	0.17	<10	131	<10	<1	83
177	L25E 8+50N			<0.2	3.02	10	70	5	0.18	<1	29	107	67	5.56	<10	2.44	604	<1	0.01	49	1160	16	5	<20	17	0.21	<10	134	<10	<1	72
200	L26E 3+00N			<0.2	1.10	5	50	<5	0.02	<1	4	7	17	1.87	<10	0.11	65	1	0.01	2	350	16	5	<20	4	0.04	<10	40	<10	<1	16
201	L26E 3+25N			<0.2	1.44	10	60	<5	0.03	<1	5	5	27	2.58	<10	0.10	153	2	0.01	2	820	18	5	<20	8	0.03	<10	33	<10	<1	24
202	L26E 3+50N			<0.2	1.78	10	80	5	0.03	<1	8	9	30	6.01	<10	0.11	174	3	0.01	5	1370	18	5	<20	8	0.06	<10	61	<10	<1	33
203	L26E 3+75N			<0.2	1.96	15	135	<5	0.12	<1	12	11	48	3.66	<10	0.21	344	2	0.01	8	1020	26	5	<20	20	0.05	<10	41	<10	<1	46
204	L26E 4+00N	-48		0.4	1.02	15	205	<5	0.15	<1	20	14	76	3.89	<10	0.13	1714	3	0.01	13	1060	28	5	<20	24	0.05	<10	38	<10	<1	44
205	L26E 4+25N			<0.2	3.03	15	240	<5	0.25	<1	19	46	75	4.07	<10	0.71	1409	<1	0.02	28	1250	18	5	<20	25	0.14	<10	62	<10	<1	89
206	L26E 4+50N			<0.2	3.27	5	185	<5	0.29	<1	24	100	80	5.00	<10	1.36	876	<1	0.02	45	860	18	5	<20	32	0.16	<10	95	<10	<1	82
207	L26E 4+75N			<0.2	2.15	<5	115	<5	0.08	<1	22	77	65	4.80	<10	0.76	267	<1	0.01	57	930	14	5	<20	9	0.12	<10	76	<10	<1	63
208	L26E 5+00N			<0.2	2.23	20	225	<5	0.16	<1	36	112	109	6.41	<10	1.04	1925	<1	0.01	66	1670	16	5	<20	13	0.11	<10	104	<10	<1	92
209	L26E 5+25N			<0.2	2.32	5	105	<5	0.10	<1	27	122	54	5.36	<10	1.62	1028	<1	0.01	64	1110	14	5	<20	9	0.12	<10	102	<10	<1	71
210	L26E 5+50N			<0.2	3.41	20	55	10	0.09	<1	38	233	34	6.04	<10	3.83	512	<1	0.01	99	970	12	5	<20	5	0.19	<10	196	<10	<1	71
211	L26E 5+75N			0.6	3.05	25	115	<5	0.23	<1	30	60	185	5.28	<10	0.93	1118	<1	0.02	34	1280	44	5	<20	19	0.13	<10	82	<10	<1	159
212	L26E 6+00N			0.2	2.61	10	135	<5	0.21	<1	26	61	61	5.24	<10	0.89	1636	<1	0.01	36	980	28	5	<20	25	0.13	<10	75	<10	<1	118
213	L26E 6+25N			0.2	1.80	5	135	5	0.12	<1	19	54	34	4.90	<10	0.64	2180	<1	0.01	24	860	20	5	<20	17	0.10	<10	71	<10	<1	97
214	L26E 6+50N			<0.2	2.23	<5	195	5	0.15	<1	28	150	56	6.03	<10	1.28	853	2	<0.01	72	1560	22	5	<20	15	0.07	<10	102	<10	<1	94

KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 98-028P

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
215	L26E 6+75N			<0.2	2.36	10	225	10	0.32	<1	45	142	53	5.91	<10	1.72	1367	<1	0.01	124	1140	30	<5	<20	22	0.16	<10	110	<10	<1	80
216	L26E 7+00N			0.4	2.23	25	120	<5	0.11	<1	30	60	64	5.83	<10	0.58	956	<1	0.01	35	1080	90	<5	<20	12	0.13	<10	76	<10	<1	145
217	L26E 7+25N			2.6	2.08	15	190	5	0.10	<1	36	132	77	7.47	<10	0.65	2364	4	<0.01	87	1580	80	<5	<20	8	0.07	<10	82	<10	<1	254
218	L26E 7+50N			0.6	2.56	10	85	5	0.10	<1	26	97	81	6.08	<10	1.07	838	1	0.01	53	1230	42	<5	<20	13	0.11	<10	94	<10	<1	159
219	L26E 7+75N			0.6	2.65	70	85	<5	0.16	<1	32	66	188	6.19	<10	1.09	2128	2	0.01	49	1060	110	<5	<20	16	0.10	<10	91	<10	<1	440
220	L26E 8+00N			0.6	2.70	10	80	<5	0.11	<1	30	95	78	5.75	<10	1.72	642	<1	0.01	53	1270	50	<5	<20	8	0.18	<10	94	<10	<1	206
221	L26E 8+25N			<0.2	2.82	10	105	<5	0.12	<1	22	63	49	5.12	<10	1.12	839	<1	0.01	30	1090	40	<5	<20	14	0.14	<10	87	<10	<1	166
222	L26E 8+50N			0.2	2.62	10	145	5	0.15	<1	23	61	59	4.82	<10	1.13	1824	<1	0.01	30	1080	36	<5	<20	13	0.12	<10	81	<10	<1	132
245	L27E 2+50N			<0.2	2.96	5	140	<5	0.34	<1	26	36	96	4.70	<10	0.73	1427	<1	0.01	20	930	20	<5	<20	36	0.11	<10	66	<10	<1	101
246	L27E 2+75N			<0.2	2.22	15	115	<5	0.19	<1	15	43	74	5.36	<10	0.49	277	3	0.01	25	1930	206	<5	<20	12	0.06	<10	59	<10	<1	167
247	L27E 3+00N			<0.2	3.87	5	110	5	0.47	<1	42	291	87	6.33	<10	3.72	829	<1	0.02	121	660	14	<5	<20	48	0.20	<10	172	<10	<1	68
248	L27E 3+25N			<0.2	3.62	<5	130	10	0.43	<1	43	284	65	6.30	<10	4.24	903	<1	0.01	117	1220	6	<5	<20	27	0.25	<10	197	<10	<1	71
249	L27E 3+50N			<0.2	2.96	<5	250	<5	0.74	<1	32	184	106	4.92	<10	2.33	1135	<1	0.01	87	830	18	<5	<20	93	0.10	<10	113	<10	<1	72
250	L27E 3+75N			<0.2	3.10	5	245	<5	0.57	<1	32	160	109	5.47	<10	2.08	1033	<1	0.01	79	780	30	<5	<20	67	0.12	<10	109	<10	<1	76
251	L27E 4+00N	-48		<0.2	2.02	10	170	<5	0.21	<1	24	98	48	5.13	<10	0.94	860	<1	0.01	53	800	56	<5	<20	22	0.09	<10	81	<10	<1	58
252	L27E 4+25N			<0.2	2.26	<5	125	<5	0.14	<1	23	57	85	5.00	<10	0.70	497	<1	0.01	34	690	16	<5	<20	16	0.16	<10	79	<10	<1	65
253	L27E 4+50N	-48		<0.2	2.29	<5	195	<5	0.18	<1	34	86	93	5.11	<10	0.73	1819	1	0.01	56	1120	24	<5	<20	23	0.07	<10	77	<10	<1	75
254	L27E 4+75N	-48		<0.2	2.70	5	180	10	0.45	<1	41	263	62	5.77	<10	2.78	2225	<1	0.01	100	1140	30	<5	<20	28	0.14	<10	139	<10	<1	80
255	L27E 5+00N			<0.2	2.87	10	155	<5	0.57	<1	35	230	174	5.27	<10	2.89	1251	<1	0.01	95	1030	28	<5	<20	41	0.12	<10	131	<10	<1	78
256	L27E 5+25N			<0.2	2.84	5	160	<5	0.51	<1	35	194	101	6.20	<10	2.88	1589	<1	0.01	82	770	28	<5	<20	43	0.12	<10	137	<10	<1	74
257	L27E 5+50N	-48		<0.2	2.91	5	135	<5	0.42	<1	41	199	123	5.98	<10	2.63	1406	<1	0.01	102	860	14	<5	<20	35	0.16	<10	130	<10	<1	68
258	L27E 5+75N			<0.2	3.10	10	155	<5	0.46	<1	47	165	166	6.35	<10	2.40	1918	<1	0.01	114	1130	18	<5	<20	38	0.15	<10	121	<10	<1	86
259	L27E 6+00N			<0.2	3.31	5	155	<5	0.35	<1	36	165	108	5.74	<10	2.67	1120	<1	0.01	85	820	18	<5	<20	35	0.17	<10	140	<10	<1	83
260	L27E 6+25N			<0.2	3.42	10	120	<5	0.42	<1	42	220	90	6.32	<10	3.18	1361	<1	0.01	107	1090	22	<5	<20	25	0.19	<10	149	<10	<1	102
261	L27E 6+50N			0.6	2.92	10	165	<5	0.51	<1	30	142	99	4.99	<10	2.08	1048	<1	0.01	66	760	16	<5	<20	69	0.11	<10	109	<10	<1	86
262	L27E 6+75N			0.4	3.00	15	140	<5	0.44	<1	34	148	82	5.50	<10	2.01	1518	<1	0.01	69	790	30	<5	<20	71	0.12	<10	115	<10	<1	129
263	L27E 7+00N			3.6	3.65	25	180	<5	0.82	3	43	178	123	6.19	<10	2.93	2368	<1	0.01	110	990	96	<5	<20	61	0.17	<10	126	<10	1	690
264	L27E 7+25N			<0.2	3.78	5	265	<5	0.93	<1	40	280	149	5.87	<10	4.31	1471	<1	0.01	109	800	16	<5	<20	81	0.19	<10	179	<10	<1	100
265	L27E 7+50N			<0.2	4.52	10	155	10	0.87	<1	46	328	69	7.16	<10	5.37	634	<1	0.01	129	1060	8	<5	<20	72	0.26	<10	239	<10	<1	76
266	L27E 7+75N			<0.2	4.00	10	175	10	0.53	<1	43	230	58	6.89	<10	4.55	963	<1	0.01	116	920	12	<5	<20	33	0.24	<10	182	<10	<1	77
267	L27E 8+00N			<0.2	3.71	10	165	<5	0.57	<1	40	208	120	6.85	<10	3.52	1582	<1	0.01	102	660	28	<5	<20	57	0.17	<10	154	<10	<1	110
268	L27E 8+25N			<0.2	4.23	5	180	<5	0.61	<1	43	201	183	7.03	<10	3.60	1452	<1	0.01	88	840	12	<5	<20	56	0.25	<10	150	<10	<1	101
269	L27E 8+50N			0.8	3.13	10	245	<5	0.38	2	33	106	123	5.70	<10	1.54	2734	<1	0.01	66	1020	48	<5	<20	80	0.12	<10	97	<10	<1	348
292	L28E 2+50N			<0.2	2.08	5	90	<5	0.31	1	15	31	91	3.49	<10	0.94	454	<1	0.02	17	860	20	<5	<20	31	0.07	<10	79	<10	<1	51
293	L28E 2+75N			0.4	3.08	6	205	<5	1.10	1	18	32	155	3.52	<10	0.83	3354	<1	0.02	25	1140	30	<5	<20	67	0.08	<10	58	<10	7	82

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Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
294	L28E 3+00N			<0.2	2.81	5	175	10	0.17	<1	25	129	67	4.97	<10	1.75	737	<1	0.02	54	1140	18	<5	<20	23	0.16	<10	106	<10	<1	95
295	L28E 3+25N	-48		<0.2	2.84	<5	305	<5	0.73	1	38	215	115	5.53	<10	2.24	2132	<1	0.01	98	780	30	<5	<20	78	0.15	<10	114	<10	<1	93
296	L28E 3+50N			<0.2	2.62	5	245	10	0.28	<1	47	229	71	6.10	<10	2.44	1256	<1	0.01	123	910	18	<5	<20	30	0.15	<10	132	<10	<1	75
297	L28E 3+75N			<0.2	3.40	10	275	<5	0.75	<1	36	207	144	5.10	<10	3.24	1524	<1	0.02	95	870	12	<5	<20	92	0.14	<10	144	<10	2	70
298	L28E 4+00N			<0.2	2.05	10	100	10	0.40	<1	27	145	15	4.37	<10	2.95	344	<1	0.01	71	280	18	<5	<20	35	0.18	<10	139	<10	<1	64
299	L28E 4+25N	-48		<0.2	2.57	5	250	<5	0.72	<1	32	172	174	4.79	<10	2.46	1004	<1	0.01	73	660	14	<5	<20	97	0.10	<10	122	<10	1	57
300	L28E 4+50N	-48		<0.2	1.91	10	195	<5	0.25	<1	37	176	163	5.71	<10	1.24	644	<1	<0.01	95	1140	24	<5	<20	31	0.08	<10	97	<10	<1	70
401	L28E 4+75N			<0.2	2.75	10	260	<5	0.77	1	36	204	156	4.53	<10	3.06	1584	<1	0.01	95	1010	36	5	<20	102	0.12	<10	141	<10	<1	72
402	L28E 5+00N			<0.2	2.85	<5	150	10	0.56	1	36	256	54	4.73	<10	3.41	2121	<1	0.02	90	590	16	<5	<20	43	0.21	<10	177	<10	<1	70
403	L28E 5+25N			<0.2	2.95	10	150	<5	0.43	<1	35	183	188	4.87	<10	2.49	1321	<1	0.01	82	740	32	<5	<20	38	0.13	<10	133	<10	<1	81
404	L28E 5+50N			<0.2	2.83	5	225	<5	0.82	<1	38	203	142	4.98	<10	2.81	1604	<1	0.01	92	890	28	<5	<20	63	0.14	<10	144	<10	<1	86
405	L28E 5+75N			<0.2	3.07	5	135	<5	0.40	<1	43	231	150	5.28	<10	2.93	1398	<1	0.01	112	1130	14	<5	<20	33	0.16	<10	146	<10	<1	85
406	L28E 6+00N			<0.2	2.91	<5	125	<5	0.74	<1	42	253	90	5.07	<10	3.23	1794	<1	0.01	124	1180	14	5	<20	54	0.13	<10	156	<10	<1	84
407	L28E 6+25N	-32		<0.2	3.13	10	90	<5	0.45	<1	41	193	93	4.87	<10	3.81	1484	<1	0.01	113	730	50	5	<20	32	0.17	<10	151	<10	<1	70
408	L28E 6+50N			<0.2	2.62	<5	180	<5	0.46	<1	33	157	57	4.75	<10	2.06	2041	<1	0.01	87	1050	38	<5	<20	41	0.10	<10	106	<10	<1	98
409	L28E 6+75N			0.6	3.06	10	145	<5	0.71	1	34	176	64	4.62	<10	2.34	1749	<1	0.01	95	830	36	<5	<20	108	0.10	<10	118	<10	3	148
410	L28E 7+00N			1.8	2.13	20	190	<5	0.63	3	41	178	80	5.38	<10	1.42	4130	<1	0.01	117	1280	258	<5	<20	47	0.10	<10	99	<10	<1	488
411	L28E 7+25N			0.8	2.91	20	100	10	0.21	3	37	159	72	5.51	<10	2.08	1189	<1	0.01	116	790	226	<5	<20	17	0.18	<10	112	<10	<1	1260
412	L28E 7+50N			<0.2	3.38	15	100	<5	0.48	<1	35	178	143	4.75	<10	2.81	1172	<1	0.01	83	510	30	5	<20	42	0.13	<10	138	<10	<1	152
413	L28E 7+75N			<0.2	3.32	<5	185	10	0.60	<1	35	169	82	5.89	<10	3.25	612	<1	0.01	65	1250	10	<5	<20	31	0.29	<10	148	<10	<1	79
414	L28E 8+00N			<0.2	3.17	10	135	<5	0.57	<1	35	130	154	5.37	<10	2.99	1302	<1	0.01	63	1640	18	10	<20	38	0.15	<10	116	<10	<1	104
415	L28E 8+25N	-48		1.6	1.53	35	230	<5	0.81	5	36	52	145	5.19	<10	0.90	3736	1	0.01	44	1630	398	<5	<20	87	0.06	<10	62	<10	2	519
416	L28E 8+50N	-32		0.8	0.77	25	205	<5	0.65	2	25	11	65	3.58	<10	0.32	2645	1	<0.01	17	1650	90	<5	<20	57	0.02	<10	35	<10	<1	241
439	L29E 2+50N			<0.2	2.49	<5	120	10	0.20	<1	24	55	71	4.95	<10	1.02	1185	<1	0.01	24	810	22	<5	<20	18	0.12	<10	86	<10	<1	86
440	L29E 2+75N			<0.2	2.47	10	165	5	0.36	<1	17	50	51	4.81	<10	0.92	378	<1	0.01	23	1420	18	<5	<20	29	0.14	<10	86	<10	<1	85
441	L29E 3+00N	-32		<0.2	2.24	5	160	<5	0.30	<1	25	64	69	5.06	<10	1.11	1021	<1	0.01	27	770	30	<5	<20	29	0.14	<10	95	<10	<1	81
442	L29E 3+25N			<0.2	2.29	10	190	<5	0.19	<1	26	60	103	4.64	<10	0.91	1322	<1	0.01	27	870	24	<5	<20	24	0.12	<10	81	<10	<1	120
443	L29E 3+50N			0.2	1.92	5	180	5	0.18	1	26	63	75	4.99	<10	0.77	1784	1	<0.01	27	1060	62	<5	<20	23	0.09	<10	83	<10	<1	299
444	L29E 3+75N	-48		<0.2	2.34	5	210	<5	0.58	<1	36	151	96	5.13	<10	1.80	1717	<1	0.01	79	950	36	<5	<20	66	0.13	<10	99	<10	<1	109
445	L29E 4+00N			<0.2	2.93	5	265	<5	0.77	<1	34	189	119	4.92	<10	2.54	1365	<1	0.01	84	670	14	<5	<20	111	0.13	<10	133	<10	<1	75
446	L29E 4+25N	-48		<0.2	2.80	<5	275	<5	0.92	<1	34	218	168	4.51	<10	3.15	1257	<1	0.01	89	610	20	<5	<20	107	0.12	<10	141	<10	<1	58
447	L29E 4+50N	-48		<0.2	2.64	5	290	<5	1.02	<1	32	194	177	4.07	<10	2.98	1230	<1	0.01	85	660	32	5	<20	119	0.12	<10	134	<10	<1	63
448	L29E 4+75N	-48		<0.2	2.68	15	255	<5	0.80	<1	37	178	203	4.81	<10	2.31	1303	<1	0.01	93	830	30	<5	<20	104	0.12	<10	121	<10	2	74
449	L29E 5+00N			<0.2	2.66	10	215	<5	0.62	<1	50	252	349	6.08	<10	2.50	1506	<1	0.01	131	870	24	<5	<20	74	0.17	<10	130	<10	<1	93
450	L29E 5+25N			<0.2	2.59	10	245	<5	0.68	<1	37	203	213	5.24	<10	2.38	1374	<1	0.01	91	650	26	<5	<20	76	0.13	<10	126	<10	<1	88

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Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
451	L29E 5+50N			<0.2	2.79	10	200	<5	0.82	<1	40	199	145	4.50	<10	3.09	1717	<1	0.01	106	790	46	<5	<20	70	0.15	<10	140	<10	<1	70
452	L29E 5+75N			<0.2	3.08	5	205	<5	0.93	<1	39	179	131	4.73	<10	3.28	1465	<1	0.01	102	730	18	<5	<20	97	0.14	<10	146	<10	2	65
453	L29E 6+00N			<0.2	1.81	10	55	5	0.43	<1	28	148	20	4.08	<10	2.40	528	<1	<0.01	78	380	18	<5	<20	27	0.15	<10	122	<10	<1	49
454	L29E 6+25N			<0.2	2.86	10	120	10	0.43	<1	40	255	75	5.09	<10	3.74	1561	<1	0.01	108	780	18	<5	<20	32	0.19	<10	167	<10	<1	60
455	L29E 6+50N	-48		<0.2	2.39	10	175	<5	0.90	1	34	189	107	4.41	<10	2.65	1655	<1	0.01	85	770	38	5	<20	77	0.12	<10	115	<10	<1	77
456	L29E 6+75N	-32		1.8	1.20	10	365	<5	2.29	3	13	32	101	2.26	<10	0.49	4175	2	0.05	27	1530	92	<5	<20	204	0.03	<10	30	<10	7	176
457	L29E 7+00N			<0.2	2.69	10	160	10	0.44	<1	38	177	104	4.94	<10	2.45	1649	<1	0.01	90	790	26	<5	<20	40	0.14	<10	123	<10	<1	105
458	L29E 7+25N			>30	1.41	380	260	<5	1.09	20	145	91	631	7.31	<10	1.03	10000	7	0.04	378	1210	2422	55	<20	132	0.07	<10	65	<10	<1	2134
459	L29E 7+50N			1.0	3.10	20	145	<5	0.33	3	41	180	120	5.44	<10	2.54	1446	<1	0.01	102	590	146	<5	<20	30	0.16	<10	119	<10	<1	975
460	L29E 7+75N	-48		<0.2	1.94	20	190	10	0.56	<1	28	90	66	5.05	<10	1.49	988	<1	0.01	53	1780	44	<5	<20	27	0.19	<10	79	<10	<1	196
461	L29E 8+00N			0.6	2.39	15	130	<5	0.54	1	26	98	120	4.53	<10	1.71	1258	<1	0.01	47	1370	108	<5	<20	47	0.10	<10	89	<10	<1	301
462	L29E 8+25N			0.2	2.88	10	190	5	0.70	1	37	141	97	4.95	<10	2.39	1351	<1	0.01	86	870	54	<5	<20	79	0.12	<10	105	<10	1	203
463	L29E 8+50N	-48		3.2	2.50	10	140	<5	0.77	1	23	71	154	3.99	<10	1.16	2290	2	0.01	33	1300	60	5	<20	102	0.05	<10	72	<10	18	214
466	L30E 2+50N			<0.2	1.94	<5	160	<5	0.30	<1	17	46	61	4.14	<10	0.84	1066	<1	0.01	20	640	50	<5	<20	30	0.11	<10	89	<10	<1	64
467	L30E 2+75N			<0.2	1.96	<5	165	<5	0.27	<1	17	48	64	4.24	<10	0.84	900	<1	0.01	20	640	34	<5	<20	28	0.12	<10	92	<10	<1	61
488	L30E 3+00N			<0.2	2.60	10	190	<5	0.18	<1	26	60	114	4.62	<10	1.04	977	<1	0.01	29	730	32	<5	<20	21	0.14	<10	82	<10	<1	123
489	L30E 3+25N			<0.2	1.59	<5	150	10	0.14	<1	21	46	32	4.06	<10	0.59	668	<1	<0.01	17	710	26	<5	<20	18	0.10	<10	81	<10	<1	122
490	L30E 3+50N			<0.2	2.73	<5	150	<5	0.14	<1	29	127	66	5.49	<10	1.72	420	<1	<0.01	51	910	14	<5	<20	20	0.19	<10	128	<10	<1	106
491	L30E 3+75N			<0.2	2.92	5	215	<5	0.65	1	38	218	109	6.17	<10	2.66	1580	<1	0.01	92	890	36	<5	<20	93	0.16	<10	141	<10	<1	83
492	L30E 4+00N	-32		<0.2	2.00	5	335	<5	1.36	1	23	134	128	3.17	<10	1.94	1451	<1	0.04	61	1010	44	<5	<20	172	0.08	<10	89	<10	<1	90
493	L30E 4+25N	-48		<0.2	3.28	5	310	<5	1.12	<1	36	239	135	5.19	<10	3.59	1047	<1	0.01	90	680	12	<5	<20	146	0.18	<10	168	<10	<1	62
494	L30E 4+50N			<0.2	3.11	10	250	<5	0.84	<1	46	262	102	5.91	<10	3.21	1157	<1	0.01	121	860	24	<5	<20	116	0.20	<10	157	<10	<1	77
495	L30E 4+75N	-48		<0.2	2.44	10	365	<5	1.20	<1	34	172	206	4.29	<10	2.11	1553	<1	0.01	89	1010	28	<5	<20	163	0.09	<10	110	<10	<1	82
496	L30E 5+00N			<0.2	2.85	10	240	<5	0.98	<1	43	277	243	5.73	<10	3.22	1394	<1	0.01	118	1290	24	<5	<20	125	0.15	<10	150	<10	2	75
497	L30E 5+25N	-32		<0.2	1.44	5	455	<5	1.56	2	20	117	113	2.61	<10	1.56	1502	<1	0.04	66	830	66	5	<20	152	0.08	<10	74	<10	<1	113
498	L30E 5+50N			<0.2	1.52	<5	255	<5	1.57	<1	24	99	174	2.43	<10	1.68	1184	<1	0.04	74	990	36	10	<20	162	0.07	<10	70	<10	2	71
499	L30E 5+75N			<0.2	2.43	15	95	5	0.19	<1	38	175	97	5.62	<10	2.59	918	<1	0.01	91	1200	20	<5	<20	17	0.15	<10	136	<10	<1	68
500	L30E 6+00N			9.2	2.32	30	195	<5	0.95	3	38	107	413	6.95	<10	1.93	3340	1	0.01	59	1700	180	10	<20	103	0.13	<10	106	<10	<1	414
501	L30E 6+25N			<0.2	2.70	10	140	<5	0.23	<1	43	189	122	6.86	<10	2.70	1773	<1	0.01	96	1170	24	<5	<20	19	0.15	<10	138	<10	<1	79
502	L30E 6+50N	-32		0.6	2.18	20	145	<5	0.42	<1	29	139	96	4.49	<10	1.93	1471	<1	0.04	66	1350	48	<5	<20	46	0.12	<10	84	<10	<1	211
503	L30E 6+75N			<0.2	2.48	10	110	<5	0.19	<1	27	121	93	4.66	<10	1.86	927	<1	0.01	56	740	36	<5	<20	22	0.14	<10	105	<10	2	149
504	L30E 7+00N			0.6	2.64	15	200	<5	0.86	<1	29	112	92	4.68	<10	1.85	2342	1	0.01	55	1210	48	<5	<20	80	0.10	<10	101	<10	2	163
505	L30E 7+25N			<0.2	2.68	5	130	5	0.46	1	29	106	85	5.12	<10	1.85	767	<1	0.01	50	670	26	<5	<20	49	0.16	<10	112	<10	<1	194
506	L30E 7+50N	-48		2.4	1.87	15	175	<5	1.60	7	19	53	95	3.39	<10	0.78	1620	1	0.03	32	1430	88	<5	<20	190	0.04	<10	52	<10	3	986
507	L30E 7+75N			<0.2	2.91	15	140	<5	0.26	1	30	95	121	5.24	<10	1.74	1592	<1	0.01	48	1050	38	<5	<20	36	0.18	<10	97	<10	<1	325

KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 86-628P

ECO-TECH LABORATORIES LTD.

Et#	Tag #	Mesh Size																												
			Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
508	L30E 8+00N		<0.2	2.85	20	115	5	0.56	<1	31	105	59	4.87	<10	2.43	1456	<1	0.01	67	790	24	<5	<20	68	0.14	<10	104	<10	<1	136
509	L30E 8+25N		0.4	2.63	10	190	<5	0.72	1	35	162	114	5.46	<10	2.48	1342	<1	0.01	77	960	50	<5	<20	80	0.15	<10	116	<10	<1	177
510	L30E 8+50N		0.4	3.22	10	140	5	0.40	<1	39	107	86	6.56	<10	2.58	1345	<1	0.01	60	790	32	<5	<20	43	0.20	<10	134	<10	<1	130
533	L31E 2+50N	-48	<0.2	2.86	10	105	5	0.25	<1	23	57	69	4.64	<10	1.09	1084	<1	0.01	24	890	26	<5	<20	29	0.14	<10	90	<10	<1	83
534	L31E 2+75N	-48	0.2	3.08	15	145	<5	1.08	<1	24	78	133	4.55	<10	1.32	1521	<1	0.02	29	1280	20	<5	<20	88	0.12	<10	99	<10	5	105
535	L31E 3+00N		0.6	2.57	5	215	<5	1.05	<1	26	73	244	4.61	<10	1.10	1726	<1	0.02	34	1250	24	<5	<20	96	0.11	<10	83	<10	12	92
536	L31E 3+25N		<0.2	3.00	10	170	<5	0.21	<1	25	74	87	5.39	<10	1.16	772	<1	0.01	33	670	16	<5	<20	28	0.16	<10	97	<10	<1	92
537	L31E 3+50N		<0.2	2.66	10	160	10	0.31	<1	23	88	67	5.12	<10	1.15	514	<1	0.02	28	670	18	<5	<20	41	0.21	<10	100	<10	<1	99
538	L31E 3+75N	-32	0.2	1.07	<5	145	5	0.22	1	23	39	62	4.28	<10	0.45	1929	<1	0.01	13	940	36	<5	<20	28	0.10	<10	77	<10	<1	63
539	L31E 4+00N	-48	0.6	2.21	15	175	<5	0.39	2	28	60	152	5.33	<10	1.00	2230	2	0.01	29	1080	120	<5	<20	54	0.10	<10	85	<10	<1	353
540	L31E 4+25N	-48	<0.2	2.90	10	160	<5	0.58	<1	32	110	99	5.43	<10	1.67	1275	<1	0.01	47	900	26	<5	<20	68	0.14	<10	108	<10	1	110
541	L31E 4+50N	-48	0.4	2.58	5	250	<5	1.10	<1	27	125	128	4.47	<10	1.65	1708	1	0.01	54	1270	14	<5	<20	146	0.08	<10	93	<10	7	92
542	L31E 4+75N		<0.2	2.95	10	210	5	0.65	<1	32	127	90	5.44	<10	1.66	1110	<1	0.02	56	620	16	<5	<20	90	0.18	<10	119	<10	<1	84
543	L31E 5+00N	-48	<0.2	2.69	10	265	<5	0.92	<1	26	94	95	4.56	<10	1.43	1538	<1	0.02	44	920	16	<5	<20	157	0.11	<10	95	<10	3	88
544	L31E 5+25N		<0.2	2.99	10	280	<5	0.76	<1	34	188	113	5.54	<10	2.45	1241	<1	0.01	71	630	20	<5	<20	110	0.19	<10	141	<10	<1	84
545	L31E 5+50N		<0.2	3.11	10	165	<5	0.56	<1	33	168	95	5.76	<10	2.53	596	<1	0.01	70	500	12	<5	<20	89	0.23	<10	148	<10	<1	94
546	L31E 5+75N		<0.2	1.76	<5	150	<5	0.92	<1	28	93	101	5.22	<10	1.56	1091	<1	0.01	33	1750	24	<5	<20	102	0.17	<10	106	<10	<1	61
547	L31E 6+00N		<0.2	2.32	5	210	<5	0.95	1	26	87	82	4.62	<10	1.61	2067	<1	0.02	36	810	20	<5	<20	133	0.20	<10	110	<10	<1	95
548	L31E 6+25N		<0.2	2.04	<5	200	<5	0.75	<1	24	86	62	4.33	<10	1.35	866	<1	0.02	35	700	20	<5	<20	106	0.17	<10	99	<10	<1	108
549	L31E 6+50N		0.4	2.67	10	235	<5	1.05	<1	34	160	131	4.90	<10	2.28	1318	<1	0.01	78	910	18	<5	<20	143	0.13	<10	120	<10	3	96
550	L31E 6+75N		0.2	2.52	5	215	5	0.79	<1	22	68	66	4.41	<10	1.15	788	<1	0.02	29	740	14	<5	<20	116	0.15	<10	94	<10	<1	66
551	L31E 7+00N		<0.2	2.92	10	190	<5	0.59	<1	36	165	153	5.30	<10	2.28	1283	<1	0.01	80	760	28	<5	<20	85	0.15	<10	128	<10	<1	111
552	L31E 7+25N		<0.2	2.88	10	235	<5	0.62	1	31	131	120	4.92	<10	1.85	1007	<1	0.02	63	680	26	<5	<20	93	0.16	<10	115	<10	<1	95
553	L31E 7+50N		0.2	2.61	10	150	<5	0.44	1	27	76	91	4.99	<10	1.28	651	<1	0.01	31	770	20	<5	<20	65	0.16	<10	99	<10	<1	73
554	L31E 7+75N	-48	3.0	2.61	15	150	<5	0.62	2	18	60	87	3.30	10	0.93	1485	2	0.01	29	1910	72	<5	<20	70	0.05	<10	69	<10	23	125
555	L31E 8+00N		<0.2	3.88	10	110	15	0.19	<1	29	99	47	5.45	<10	1.94	727	<1	0.01	42	940	22	<5	<20	21	0.21	<10	116	<10	<1	126
556	L31E 8+25N		<0.2	3.17	5	140	10	0.18	<1	21	66	40	5.52	<10	1.10	533	<1	0.01	28	910	24	<5	<20	24	0.17	<10	98	<10	<1	122
557	L31E 8+50N		<0.2	3.17	10	150	15	0.13	<1	31	92	54	6.83	<10	2.08	1424	<1	0.01	41	1150	26	<5	<20	12	0.19	<10	121	<10	<1	154
301	L32E 2+75N		<0.2	1.70	5	100	10	0.19	<1	19	53	40	4.59	<10	1.01	625	<1	0.01	23	510	20	<5	<20	26	0.16	<10	98	<10	<1	77
302	L32E 3+00N		<0.2	2.43	<5	110	10	0.45	<1	23	82	74	4.68	<10	1.20	988	<1	0.02	31	590	18	<5	<20	40	0.16	<10	94	<10	<1	93
303	L32E 3+25N		<0.2	2.04	<5	95	<5	0.86	<1	20	69	67	3.61	<10	1.32	626	<1	0.01	26	910	26	<5	<20	77	0.13	<10	84	<10	1	87
304	L32E 3+50N		<0.2	1.55	<5	115	<5	0.47	<1	18	44	71	3.82	<10	0.86	263	<1	0.01	19	410	12	<5	<20	50	0.14	<10	79	<10	<1	74
305	L32E 3+75N		<0.2	1.80	<5	195	15	0.69	<1	16	52	35	4.38	<10	1.01	316	<1	0.02	19	280	14	<5	<20	79	0.19	<10	97	<10	<1	78
306	L32E 4+00N		<0.2	1.94	<5	200	<5	1.11	<1	25	44	91	4.62	<10	0.97	876	<1	0.01	27	1090	12	<5	<20	134	0.09	<10	77	<10	<1	111
307	L32E 4+25N		<0.2	2.48	5	140	<5	0.32	<1	20	46	54	4.22	<10	1.05	550	<1	0.02	20	630	20	<5	<20	40	0.16	<10	84	<10	<1	95

10/13/00 08:30 002003/8889/ ECU-ALCO LAB.

KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 98-628P

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Mesh		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
		Size																													
308	L32E 4+50N			<0.2	2.40	<5	150	<5	0.45	2	25	55	111	6.24	<10	1.30	1634	<1	0.01	25	740	28	Δ	<20	53	0.15	<10	97	<10	<1	96
308	L32E 4+75N			<0.2	1.94	<5	120	5	0.24	<1	19	51	41	4.60	<10	1.12	394	<1	0.01	21	390	14	Δ	<20	31	0.18	<10	99	<10	<1	81
310	L32E 5+00N			<0.2	1.94	10	130	5	0.27	<1	21	52	44	4.52	<10	0.99	1596	<1	0.01	21	1170	56	Δ	<20	32	0.14	<10	89	<10	<1	106
311	L32E 5+25N			<0.2	1.94	5	145	5	0.42	<1	21	60	54	4.49	<10	1.21	1264	<1	0.01	23	900	14	Δ	<20	54	0.17	<10	96	<10	<1	97
312	L32E 5+50N			<0.2	2.28	<5	115	<5	0.38	<1	23	64	72	4.61	<10	1.18	1291	<1	0.01	25	760	20	Δ	<20	54	0.16	<10	92	<10	<1	92
313	L32E 5+75N			<0.2	2.98	10	150	10	0.47	<1	27	98	70	5.28	<10	1.62	576	<1	0.01	39	490	14	Δ	<20	70	0.23	<10	113	<10	<1	77
314	L32E 6+00N			<0.2	2.45	<5	150	5	0.46	<1	20	55	50	4.08	<10	1.11	855	<1	0.02	24	620	16	Δ	<20	74	0.18	<10	90	<10	<1	71
315	L32E 6+25N			<0.2	2.06	5	190	10	0.57	<1	23	69	47	4.32	<10	1.34	792	<1	0.01	27	610	22	Δ	<20	84	0.16	<10	94	<10	<1	86
316	L32E 6+50N			0.6	2.29	10	175	<5	0.75	<1	20	47	84	3.85	<10	1.19	1181	<1	0.01	23	780	36	Δ	<20	94	0.11	<10	81	<10	<1	102
317	L32E 6+75N	-48		<0.2	2.20	<5	95	5	0.20	<1	22	44	49	4.23	<10	1.04	921	<1	<0.01	20	580	18	Δ	<20	23	0.15	<10	87	<10	<1	72
318	L32E 7+00N	-48		<0.2	1.61	<5	75	5	0.12	<1	16	35	38	3.52	<10	0.86	612	<1	0.01	15	530	12	Δ	<20	12	0.11	<10	73	<10	<1	73
319	L32E 7+25N			0.2	2.69	10	125	<5	0.29	<1	24	70	108	4.61	<10	1.53	1080	<1	<0.01	31	1880	16	Δ	<20	23	0.15	<10	97	<10	<1	116
320	L32E 7+50N			<0.2	2.02	<5	80	5	0.12	<1	17	43	44	3.75	<10	1.04	646	<1	<0.01	18	860	12	Δ	<20	14	0.13	<10	76	<10	<1	79
321	L32E 7+75N			<0.2	2.72	10	85	<5	0.15	<1	26	98	109	4.11	<10	1.64	412	<1	<0.01	53	850	16	Δ	<20	17	0.14	<10	94	<10	1	119
322	L32E 8+00N	-32		1.0	1.60	5	115	<5	0.64	2	25	87	132	3.59	<10	1.46	1304	<1	<0.01	42	1190	94	Δ	<20	60	0.09	<10	70	<10	<1	204
323	L32E 8+25N	-48		<0.2	0.93	<5	65	5	0.05	<1	8	18	16	2.55	<10	0.35	309	<1	<0.01	9	410	30	Δ	<20	5	0.05	<10	54	<10	<1	52
324	L32E 8+50N			<0.2	2.53	5	105	5	0.24	<1	22	44	80	4.43	<10	1.06	1058	<1	<0.01	22	970	24	Δ	<20	23	0.10	<10	78	<10	<1	110
623	L35E 10+00N			0.2	2.52	5	155	10	0.51	<1	21	64	70	4.47	<10	1.30	757	<1	0.01	25	840	22	Δ	<20	45	0.17	<10	98	<10	<1	82
624	L35E 10+25N			<0.2	2.13	<5	145	5	0.20	<1	18	56	48	4.00	<10	1.05	793	<1	0.01	20	1520	16	Δ	<20	27	0.16	<10	83	<10	<1	100
625	L35E 10+50N			0.6	2.33	<5	170	10	0.46	<1	19	52	85	4.07	<10	1.06	1713	<1	0.02	22	1170	22	Δ	<20	42	0.12	<10	83	<10	4	118
626	L35E 10+75N			<0.2	2.22	<5	155	10	0.35	<1	19	56	53	4.99	<10	1.18	474	<1	0.01	22	1200	16	Δ	<20	33	0.20	<10	100	<10	<1	86
627	L35E 11+00N			<0.2	1.94	<5	135	10	0.37	<1	19	56	47	4.58	<10	1.21	490	<1	0.01	24	840	16	Δ	<20	42	0.20	<10	99	<10	<1	84
628	L35E 11+25N	-48		<0.2	1.79	5	225	5	0.32	<1	27	28	61	5.47	<10	1.02	1319	<1	0.01	14	1490	24	Δ	<20	37	0.14	<10	109	<10	<1	107
629	L35E 11+50N			1.4	3.17	10	160	<5	0.91	<1	26	56	480	4.46	<10	1.08	1461	<1	0.02	29	1220	20	Δ	<20	96	0.13	<10	81	<10	19	90
630	L35E 11+75N			<0.2	2.47	<5	175	<5	1.13	1	22	61	125	4.10	<10	1.37	1343	<1	0.01	27	1300	32	Δ	<20	104	0.11	<10	86	<10	4	100
631	L35E 12+00N			0.6	2.68	5	155	Δ	1.01	2	25	67	116	4.87	<10	1.43	1559	<1	0.02	28	1190	34	Δ	<20	87	0.10	<10	89	<10	6	114
632	L35E 12+26N			0.4	2.61	10	140	Δ	0.46	<1	20	64	81	4.33	<10	1.07	724	<1	0.01	22	670	22	Δ	<20	47	0.16	<10	86	<10	2	99
633	L35E 12+50N			0.4	2.35	Δ	150	Δ	0.94	<1	24	65	89	4.78	<10	1.32	1106	<1	0.01	25	1050	14	Δ	<20	73	0.14	<10	94	<10	1	85
634	L35E 12+75N			<0.2	2.04	Δ	180	5	0.71	<1	20	53	53	4.32	<10	1.14	693	<1	0.01	20	920	22	Δ	<20	62	0.13	<10	91	<10	<1	110
635	L35E 13+00N			0.8	2.44	10	170	Δ	0.96	1	24	70	105	4.56	<10	1.22	1447	<1	0.01	25	1290	44	Δ	<20	90	0.13	<10	91	<10	2	117
636	L35E 13+25N			<0.2	1.81	Δ	120	10	0.63	<1	17	43	45	4.38	<10	0.69	529	<1	0.01	14	500	20	Δ	<20	63	0.16	<10	83	<10	<1	79
637	L35E 13+50N			0.4	1.81	Δ	125	Δ	0.46	<1	19	35	42	3.67	<10	0.64	994	<1	0.01	14	560	16	Δ	<20	64	0.12	<10	75	<10	<1	57
638	L35E 13+75N			<0.2	2.40	Δ	115	10	0.20	<1	28	89	60	5.78	<10	1.41	951	<1	0.01	31	550	26	Δ	<20	27	0.16	<10	119	<10	<1	93
639	L35E 14+00N			0.4	2.01	10	140	Δ	0.62	1	29	101	131	5.45	<10	1.57	1311	<1	0.01	39	920	74	Δ	<20	73	0.15	<10	105	<10	<1	153

09/12

ECO-TECH LAB.

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10/10/00

KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 98-628P

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Mesh Size	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
<b>QC DATA:</b>																														
<b>Repeat:</b>																														
124	L24E 6+00N		<0.2	2.90	<5	220	<5	0.48	<1	47	265	173	5.44	<10	3.18	1564	<1	0.01	144	1780	12	<5	<20	34	0.14	<10	137	<10	<1	87
133	L24E 8+25N		<0.2	3.31	<5	168	10	0.52	<1	41	240	47	5.07	<10	3.77	1896	<1	0.02	115	706	28	<5	<20	43	0.21	<10	181	<10	<1	74
159	L25E 4+00N		0.2	2.35	20	290	<5	0.35	<1	22	37	103	4.46	<10	0.51	1856	1	0.01	23	890	22	<5	<20	76	0.09	<10	55	<10	3	98
168	L25E 6+25N		<0.2	2.78	10	75	10	0.11	<1	15	52	37	5.74	<10	0.78	331	<1	0.01	20	1860	28	<5	<20	12	0.18	<10	99	<10	<1	70
176	L25E 8+25N		<0.2	2.72	15	65	<5	0.20	<1	32	117	112	5.26	<10	2.61	1713	<1	0.01	52	900	20	<5	<20	21	0.16	<10	125	<10	<1	83
203	L26E 3+75N		<0.2	2.00	15	135	<5	0.12	<1	12	14	48	3.74	<10	0.22	335	2	0.01	8	1030	26	<5	<20	20	0.05	<10	44	<10	<1	47
211	L26E 5+75N		0.8	3.02	20	120	<5	0.20	<1	30	60	183	5.28	<10	0.92	1140	<1	0.01	35	1250	46	<5	<20	21	0.13	<10	81	<10	<1	163
220	L26E 8+00N		0.8	2.59	15	75	<5	0.11	<1	30	94	84	5.62	<10	1.68	674	<1	<0.01	54	1190	48	<5	<20	8	0.16	<10	91	<10	<1	216
246	L27E 2+75N		<0.2	2.25	5	120	<5	0.16	<1	15	48	74	5.48	<10	0.52	283	3	0.01	27	1940	208	<5	<20	15	0.06	<10	62	<10	<1	170
255	L27E 5+00N		<0.2	2.86	10	155	<5	0.57	<1	35	228	173	5.18	<10	2.90	1282	<1	0.01	96	1000	26	<5	<20	43	0.12	<10	130	<10	<1	88
264	L27E 7+25N		<0.2	3.67	15	265	<5	0.93	<1	39	266	151	5.40	<10	4.11	1493	<1	0.01	104	800	18	<5	<20	82	0.18	<10	173	<10	<1	104
299	L28E 4+25N	-48	<0.2	2.63	<5	265	<5	0.76	<1	33	171	182	4.71	<10	2.48	1045	<1	0.01	73	670	12	<5	<20	103	0.10	<10	123	<10	2	58
404	L28E 5+50N		<0.2	2.76	10	220	<5	0.61	<1	34	186	140	4.80	<10	2.70	1633	<1	<0.01	79	800	28	5	<20	58	0.11	<10	137	<10	<1	84
413	L28E 7+75N		<0.2	3.41	<5	190	10	0.52	<1	36	167	88	6.01	<10	3.30	642	<1	0.01	64	1330	12	<5	<20	31	0.29	<10	153	<10	<1	80
439	L29E 2+50N		<0.2	2.40	10	120	5	0.21	<1	23	57	72	4.82	<10	1.02	1128	<1	<0.01	26	750	22	<5	<20	21	0.11	<10	85	<10	<1	83
448	L29E 4+75N	-48	<0.2	2.69	15	245	<5	0.79	<1	37	179	199	4.52	<10	2.26	1315	<1	<0.01	93	800	28	<5	<20	103	0.11	<10	120	<10	1	72
458	L29E 6+75N	-32	1.4	1.18	15	385	<5	2.15	3	13	27	100	2.14	<10	0.45	4333	1	0.05	28	1480	82	<5	<20	188	0.02	<10	28	<10	8	183
491	L30E 3+75N		<0.2	2.83	5	210	<5	0.60	<1	35	213	108	5.04	<10	2.62	1547	<1	0.01	90	680	38	<5	<20	89	0.16	<10	137	<10	<1	82
500	L30E 6+00N		9.8	2.34	30	195	<5	0.95	3	37	101	416	5.78	<10	1.94	3342	<1	0.01	58	1720	182	<5	<20	102	0.13	<10	103	<10	<1	424
509	L30E 8+25N		<0.2	2.71	10	195	<5	0.72	1	36	160	109	5.46	<10	2.54	1368	<1	0.01	80	940	48	<5	<20	80	0.15	<10	118	<10	<1	178
535	L31E 3+00N		0.8	2.59	<5	220	<5	1.04	<1	27	79	239	4.84	<10	1.15	1689	<1	0.02	35	1220	22	<5	<20	103	0.12	<10	88	<10	11	92
544	L31E 5+25N		<0.2	3.06	10	285	10	0.76	<1	35	175	113	5.60	<10	2.54	1246	<1	0.02	73	610	20	<5	<20	111	0.20	<10	144	<10	<1	85
563	L31E 7+50N		0.2	2.84	10	150	<5	0.43	<1	28	71	89	4.88	<10	1.24	689	<1	0.01	32	790	18	<5	<20	62	0.15	<10	96	<10	<1	80
308	L32E 4+50N		<0.2	2.45	5	150	<5	0.46	1	25	49	116	5.21	<10	1.29	1798	<1	0.01	26	760	26	<5	<20	52	0.15	<10	97	<10	<1	99
316	L32E 6+50N		0.4	2.16	<5	155	<5	0.70	<1	18	40	76	3.76	<10	1.10	1129	<1	<0.01	22	730	32	5	<20	90	0.08	<10	74	<10	<1	93
823	L35E 10+00N		0.2	2.60	<5	165	5	0.53	1	21	65	72	4.58	<10	1.33	774	<1	0.02	25	850	22	<5	<20	51	0.18	<10	100	<10	<1	82
631	L35E 12+00N		0.6	2.59	<5	145	5	0.95	2	24	66	109	4.52	<10	1.39	1509	<1	0.02	27	1180	32	<5	<20	85	0.10	<10	96	<10	5	106

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KOKANEE MINERALS LTD.

ICP CERTIFICATE OF ANALYSIS AK 98-628P

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Mesh Size	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
<i>Standard:</i>																														
GEO'98		1.0	1.92	55	175	<5	1.74	<1	19	65	85	4.05	<10	1.05	717	<1	0.03	24	640	18	<5	<20	69	0.13	<10	85	<10	2	63	
GEO'98		1.2	1.96	60	155	<5	1.84	<1	19	62	82	4.38	<10	0.98	669	<1	0.03	24	660	16	<5	<20	65	0.12	<10	80	<10	4	64	
GEO'98		1.2	1.96	65	155	<5	1.86	<1	19	63	84	4.39	<10	1.00	684	<1	0.03	25	640	19	<5	<20	65	0.12	<10	81	<10	5	64	
GEO'98		1.0	1.98	65	165	<5	1.80	<1	20	64	84	4.24	<10	1.00	715	<1	0.03	26	660	22	<5	<20	62	0.12	<10	85	<10	5	67	
GEO'98		1.0	1.84	65	165	<5	1.81	<1	20	65	88	4.19	<10	1.01	715	<1	0.02	22	700	20	<5	<20	65	0.12	<10	81	<10	5	67	
GEO'98		1.0	1.75	60	165	5	1.73	<1	19	59	84	4.16	<10	0.96	703	<1	0.02	24	710	18	<5	<20	59	0.10	<10	78	<10	5	67	
GEO'98		1.4	1.93	50	170	<5	1.81	<1	20	64	85	4.16	<10	1.00	708	<1	0.03	26	650	18	<5	<20	74	0.14	<10	85	<10	3	67	
GEO'98		1.4	1.88	55	165	<5	1.78	<1	19	63	87	4.06	<10	0.98	687	<1	0.03	26	660	18	<5	<20	70	0.14	<10	83	<10	4	70	

NOTE: Mesh size -80 unless indicated otherwise.

dlf/628/628A/628B/628C/628D  
XLS/98

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

ECO-TECH KAM.

22505734557

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10/13/00

## Expenses - Silver King Project

	Cost	GST	Total
TerraSat Geomatics Inc.	\$ 1,648.89	115.42	1764.31
Eco-Tech Laboratories Ltd.	343.00	24.01	267.01
Eco-Tech Laboratories Ltd.	113.44	7.94	121.38
Eco-Tech Laboratories Ltd.	1,498.81	104.92	1,603.72
Eco-Tech Laboratories Ltd.	127.80	8.95	136.75
Canadian Airlines			357.00
Baker Street Inn			559.75
R.H. McMillan Consulting Geologis, - Invoice 2000-1	2,750.00	192.50	2,994.00
R.H. McMillan Consulting Geologist - Invoice 2000-2	146.24	0.92	149.88
<i>REPORT COVERS</i>			
<b>Total</b>			<b>7818.90</b>