

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 90.01.17

ASSESSMENT REPORT 18844

MINING DIVISION: Slocan

PROPERTY: Silver Leaf
LOCATION: LAT 50 45 57 LONG 117 25 12
UTM 11 5623650 470379
NTS 082K14W
CLAIM(S): Silver Leaf 1, Silver Leaf (L. 4699)
OPERATOR(S): Golden Range Res.
AUTHOR(S): Hlava, M.
REPORT YEAR: 1989, 28 Pages
COMMODITIES
SEARCHED FOR: Silver, Lead, Zinc
KEYWORDS: Paleozoic, Index Formation, Phyllites, Limestones, Schists
WORK
DONE: Geological, Geochemical
GEOL 0.2 ha
SOIL 155 sample(s) ;ME
RELATED
REPORTS: 17651
MINFILE: 082KNW204

LOG NO: 0616	RD.
ACTION:	
FILE NO:	

REPORT ON 1988 EXPLORATION WORK

ON

SILVER LEAF CLAIM GROUP

LOCATED IN

SLOCAN MINING DIVISION

NTS 82 K / 14

LATITUDE 50° 45' 57"

LONGITUDE 117° 27' 12"

FOR GOLDEN RANGE RESOURCES INC.

BY

MILAN HLAVA B.Bc.

APRIL 1989

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,844

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INTRODUCTION

During the period of September 21 1988 and November 30, 1988 the author and additional crew of three men completed geological and geochemical surveys for Golden Range Resources Inc. on the Silver Leaf Claim Group in the Ladeau Area of southeastern British Columbia (figure 1) as a part of the 1988 exploration program.

LOCATION AND ACCESS

The Silver Leaf Claim Group is located at the head waters of unnamed north tributary of Marsh Adams Creek, 19.5 air kilometers north-northeast of the community of Trout Lake, NTS 82 K/14, latitude 50° 45'57'' and longitude 117° 27'12''.

The most practical access to the claims is by helicopter from Nakusp (60 air km). Highland Helicopters Ltd. with the base at Nakusp provided transportation to and from the property on a daily basis.

PHYSIOGRAPHY

The Silver Leaf Group is situated at the headwaters of unnamed north tributary of Marsh Adams Creek between the elevations of 4,800 feet and 7,500 feet the slopes are very steep and rugged with minor vegetation at higher elevation and dense willow cover on lower elevation.

PROPERTY DESCRIPTION FIG 2.

The Silver Leaf Group consists of 26 claim units including 1 crown grant, optioned from Eric Denny and Jack Denny. The following is the status, pending acceptance of this report by the Mining Recorder.

SUMMARY OF CLAIMS

CLAIM NAME	EXPIRY DATE	UNITS	RECORD NO.
Silver Leaf #1	89-03-01	20	3564
Celtic	90-07-07	3	3927
Edna No.2	91-03-02	1	2423
Canadian Girl	89-01-24	1	3439
Silver Leaf	C.G.	1	----

HISTORY.

The claim group covers following old crown granted mineral claims: Canadian Girl; Maggie M; Maggie M. Fr.; Silver King; Silver King Fr.; Silvery Moon; Silvery Moon Fr.; Dona; Primrose Fr.; Grace C.; Grace C. Fr.; Silver Leaf; Silver Leaf Fr.; Edna and Edna No 2.

The region was first mentioned in 1899 in conjunction with Black Warrior group and old Gold group.

Following are excerpts from government reports.

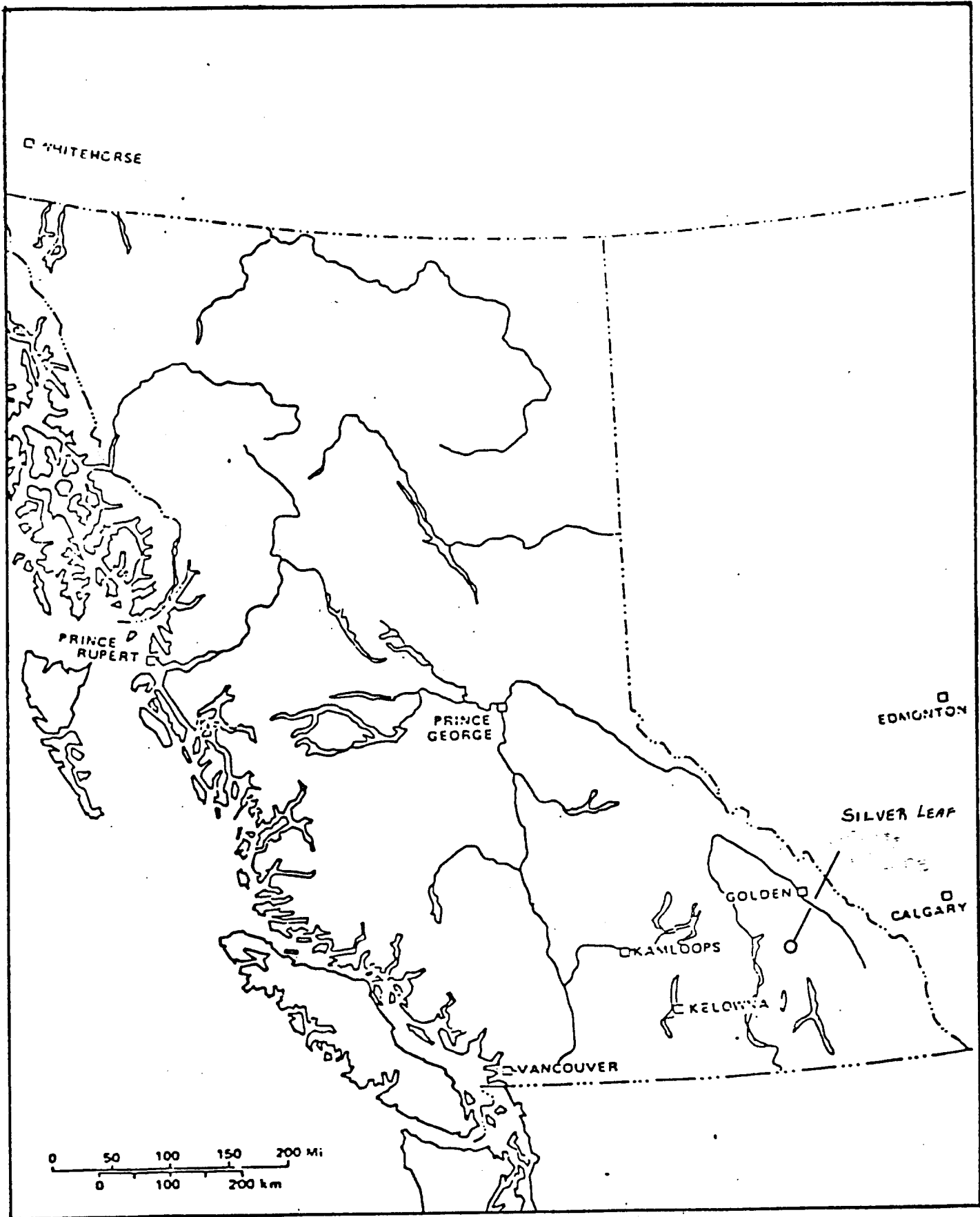
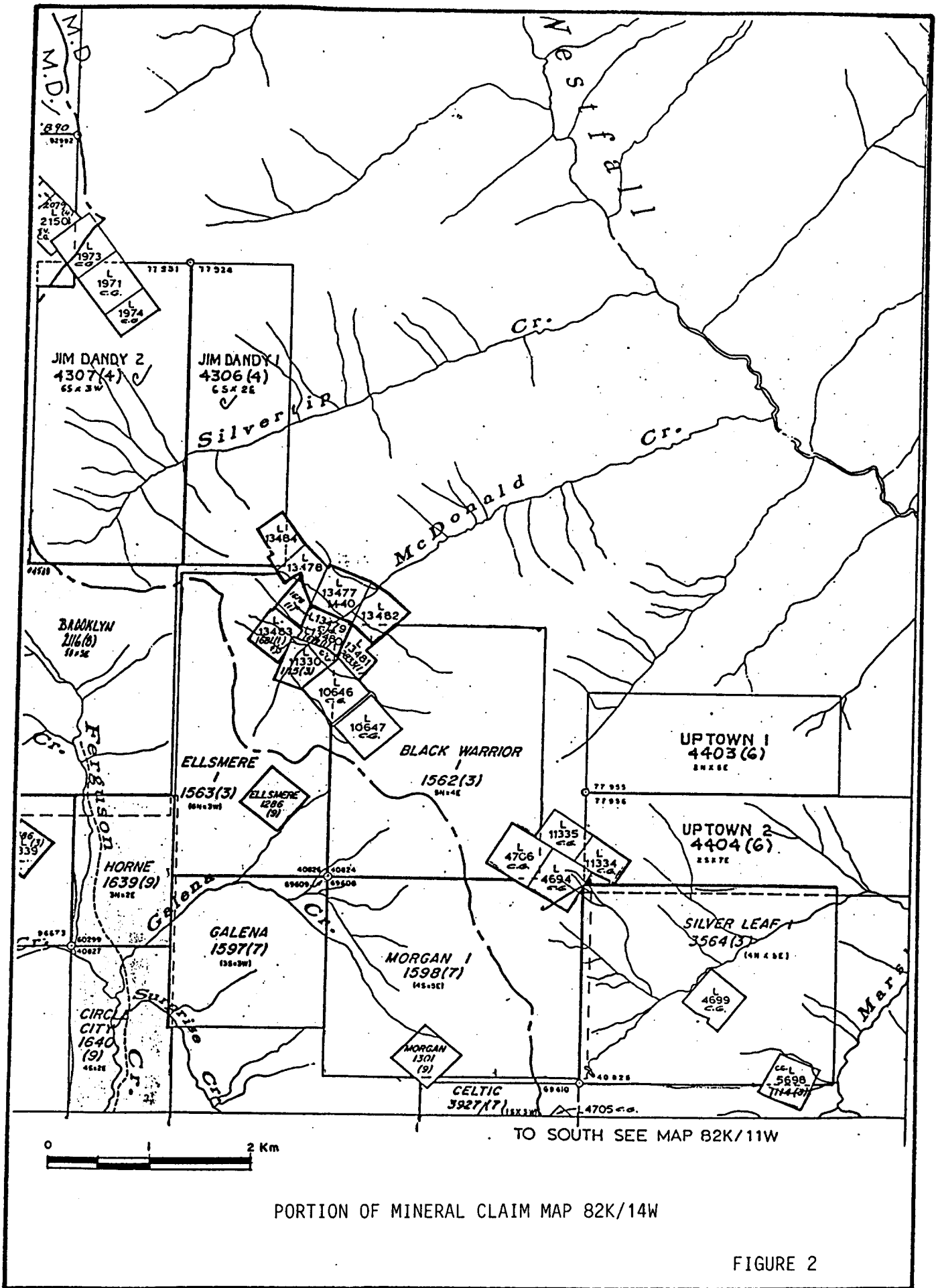


FIGURE 1



MMR 1899 - Silver Leaf Group - 3 claims on the Little West Fork of Duncan River is operated by the Guinea Gold Mines of B.C. with offices in Rossland . The Company began development during midsummer of this season and the present indications are very favorable. Three small crosscuts have been made near the surface cutting the ledge, which carries several small veins of Galena and 36 inches of concentrating ore. A crosscut into the ledge at 150 feet depth. A small trial shipment, taken from surface cross-cuttings, gave returns of \$80.00 per ton.

MMR 1907 - Considerable development was done on the Wagner, Old Gold and the Guinea Gold properties. The figures for the work done have not been supplied and because of lack of transportation facilities no ore has been shipped.

MMR 1908 - Some development was done on the Wagner Group, Old Gold and Guinea Gold properties, but data has not been supplied. The ore taken out has been stored on the dump until an economical method of transportation can be obtained.

MMR 1898 - Edna and Grace C. - The Primrose Gold Mining Company of Rossland are the owners of some promising claims in this locality, particularly the Edna and Grace C.

MMR 1899 - The Grace C. and Edna mineral claims are also on the West Fork of Duncan River, and are owned by the Primrose Gold Mining Company, the offices of which are in Rossland. This property has over 300 feet of underground work done. No 1 crosscut, driven to tap the lead at 300 feet depth, is now being pushed ahead as quickly as possible. The other work consists of a drive on the lead, the face being now in white quartz, impregnated with Galena and with 6 inch vein of gray copper on the hanging wall. The winter operations are proceeding under contract.

In the recent time work on the property consisted of prospecting by Eric and Jack Denny.

In 1987 Golden Range Resources completed airborne magnetometer and VLF EM surveys and unsuccessful attempt was made to locate the original Silver Leaf workings. Massive Galena float located on the south bank of the stream assayed 79.95% Pb; 90.3 oz Ag and 0.038 oz jAu/ton. Chip sample taken across 200 cm 50m E of Primrose adit assayed 20.32% Zn; 1.15 oz Ag and 0.092 oz Au/ton. This sample was taken from quartz stockwork zone in graphitic schist zone. Figure 3 summarizes the results.

EXPLORATION WORK 1988.

During the period of September 21, 1988 and November 30th 1988 a crew consisting of senior geologist, geologist prospector and helper spend a total of 40 man days working on the claim group. The work consisted of establishment a total of 3.85 km of flagged lines along which a total of 154 soil samples were taken at 25m interval. Also attempt was made to map rugged area south east of line 0+50 for the purpose of locating Silver Leaf workings.

REGIONAL GEOLOGY.

GOLDEN RANGE RESOURCES LTD.

DENNY CLAIMS

LARDEAU AREA, BRITISH COLUMBIA

Generalized Geology and Assay Results

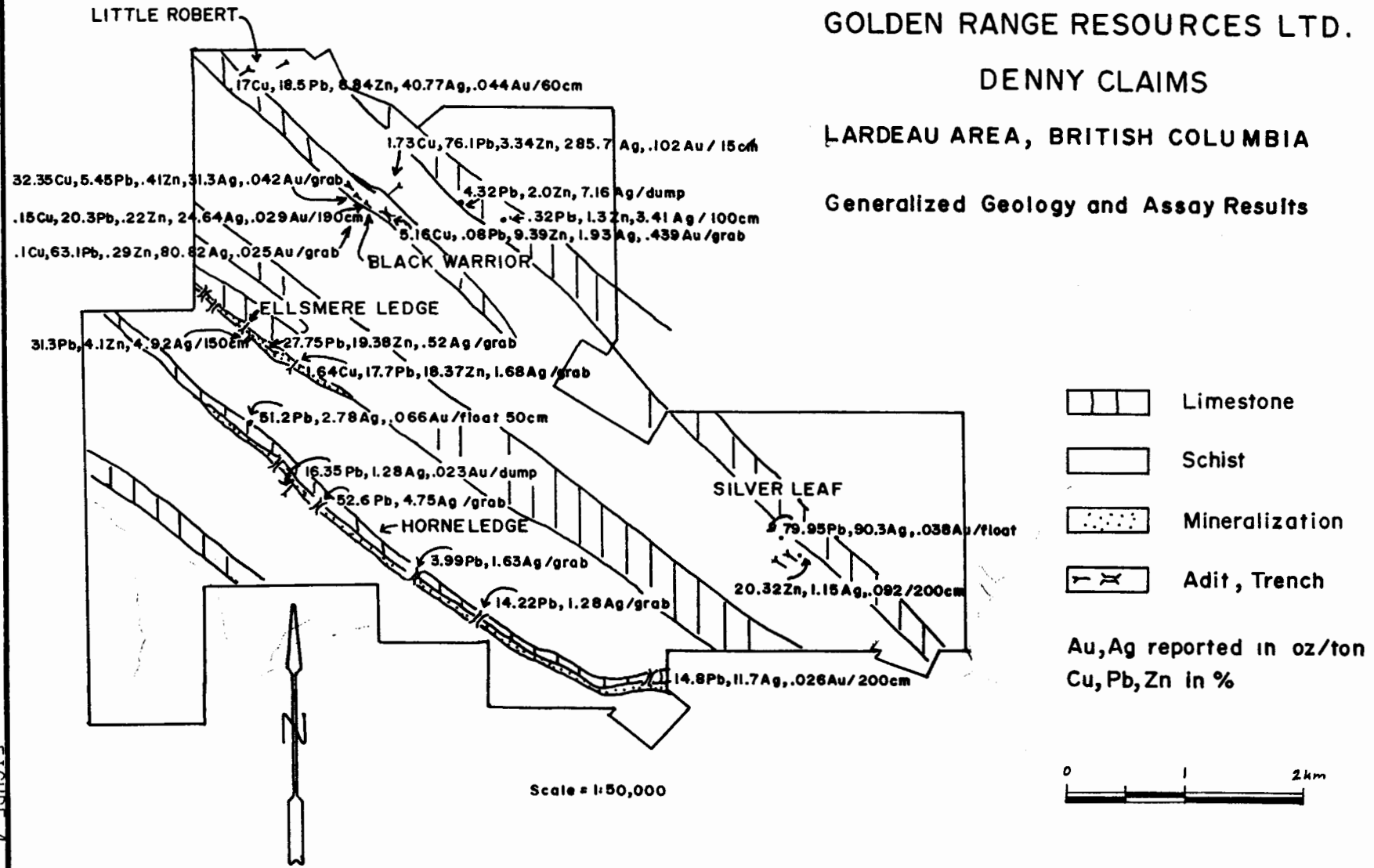


FIGURE 4

The unfossiliferous members of the Lardeau and Hamill Groups indemnified by Read (1977) are presumed to be of Paleozoic and Proterozoic Ages respectively. Both groups form a broad belt of northwesterly trending formations between Kuskanax and Battle Range Batholiths. All the formations are part of a transgressive geosyncline sedimentary series of Kootenay Arc. The sedimentary sequence is completely isoclinally folded with a generally steep dip to the northwest. Regional faulting so far identified consists of northwest-southeast trending thrust faulting with strike slip offset. Table 1 lists Age relations of the sedimentary series within the region.

PROPERTY GEOLOGY.

During the mapping following units of Index formation were encountered: Gray phillite, Gray limestone, Graphitic schist, Chlorite schist and Sericite-pyrite schist.

Due to the size of the property and lack of suitable topographic base map, a detail interpretation of stratigraphy was not undertaken. Most of the geological mapping was completed near known mineralized areas and is presented in Appendix A.

The chlorite schist & gray phillite are predominant rock types within the property.

The limestone occurs within the sequence in bands from 1 m to 150 m in thickness. Commonly the limestone is thinly laminated.

The graphitic schist is black, thinly laminated and commonly contains 1% - 3% of disseminated pyrite.

The field observations suggest that the folding and faulting within the property is complex and it will require detail mapping to define the stratigraphy and structure of the property.

GEOCHEMICAL SURVEY:

The geochemical survey consisted of collection of 154 soil samples. The samples were collected with aid of mattock from the "B" horizon wherever possible from a depth of between three and 30cm. All sample locations were flagged in the field.

The samples were sent to Acme Analytical Laboratories Ltd. in Vancouver where 30 element ICP analyses was performed. The ICP analysis involved the digestion of 0.500 grams of the sample with 3 ml of 3-2-1 HCL-HNO3-H2O acid at 95 degrees C for one hour. The sample is then deluted to 10 ml with water.

The mean and standard deviation values were calculated for the Cu, Zn, Pb, Ag. The threshold value was determined as mean + standard deviation. Values equal to or greater than threshold are considered to be anomalous. Following table summarizes the results:

ELEMENT	MEAN	STANDARD DEVIATION	THRESHOLD
Cu	66 ppm	59 ppm	125 ppm
Zn	343 ppm	471 ppm	814 ppm
Pb	95 ppm	165 ppm	260 ppm
Ag	0.58ppm	0.95ppm	1.53ppm

The results presented in appendix "B". Two multielement anomalies are located on line 0+50 S. The first is located at 2+25 E and corresponds to Primrose Zone. This anomaly is narrow consisting of 1 anomalous sample. The

TABLE 1
TABLE OF FORMATIONS

EON	ERA	PERIOD	GROUP	FORMATION	LITHOLOGY	
PHANEROZOIC	PALEOZOIC	DEVONIAN	LARDEAU	BROADVIEW	- gray and green phyllitic grit - phyllite	
				SHARON	- dark gray to black siliceous phyllite	
				AJAX	- massive grey quartzite	
				INDEX	- phyllite - arenaceous limestone - minor gray phyllite - gray and light green phyllite - limestone and quartz grit - minor phyllitic limestone	
	CONFORMABLE CONTACT					
	PRECAMBRIAN	PROTEROZOIC	CAMBRIAN LOWER CAMBRIAN		BADSHOT (LADE PEAK)	- gray & white limestone
				HAMILL	MOHICAN	- green phyllite - minor gray phyllite - limestone
					MARSH-ADAMS	- white, gray, green quartzite - phyllitic quartzite - minor gray and black phyllite

AFTER READ, 1976

second anomaly is located on line 0+50 S between 4+50 E and 6+50 E. This zone 200 m wide and the source is believed to be the Silver Leaf occurrence.

GEOLOGICAL MAPPING:

The geological mapping was conducted South-East of line 0+50 S. An attempt was made to complete controlled systematic traverses with compass inclinometer and hip chain. However the ruggedness and steepness of topography did not allow meaningful completion of the survey. It was necessary to choose traverses as topography permitted. This proved to be extremely slow process. Results are presented in appendix "A".

Several barren quartz veins were located on the property. Majority of quartz veins are parallel to bedding and/or schistosity.

CONCLUSIONS AND RECOMMENDATIONS:

Only the original Primrose addit was located. This zone is reflected in soil geochemical survey by only 1 sample on line 0+50 S.

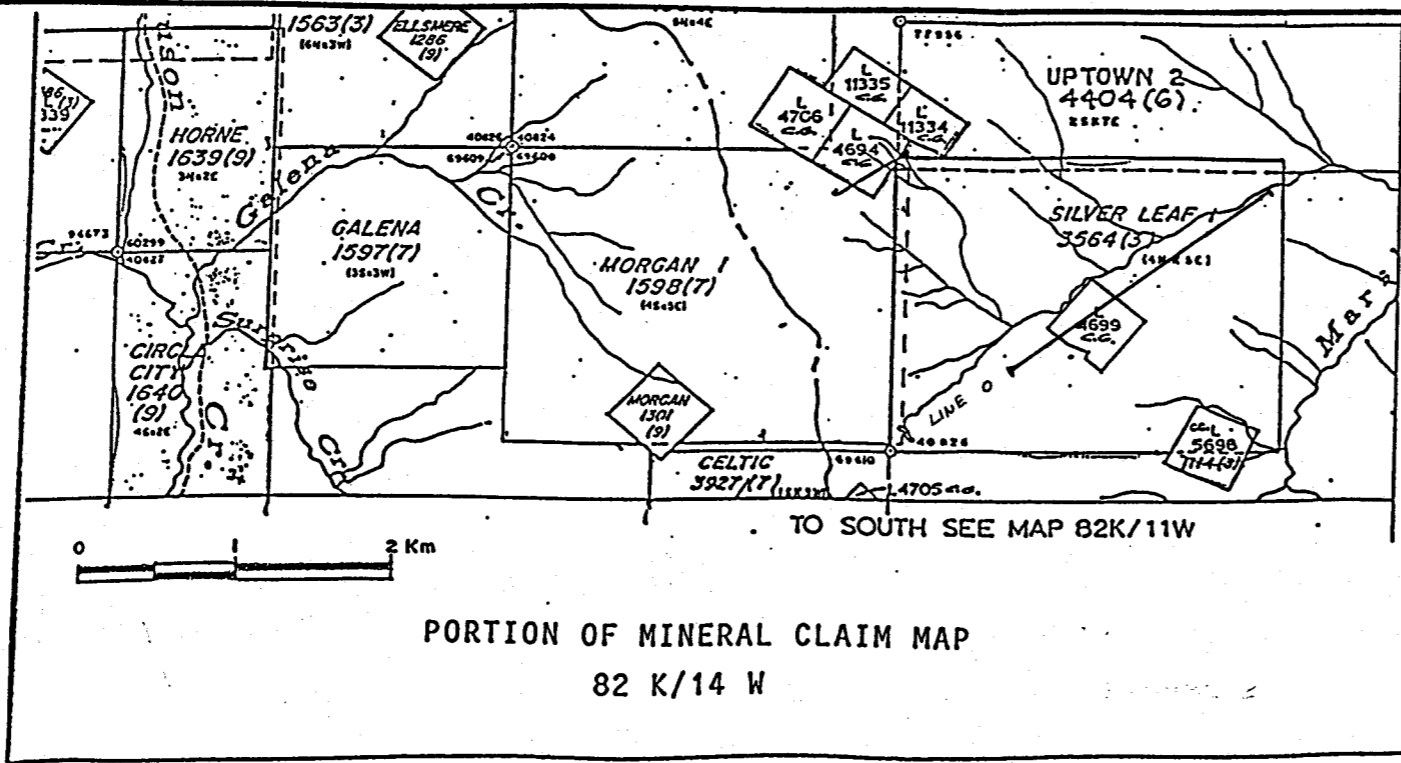
The approximately 200 m wide defined anomalous zone on line 0+50 S between 4+50 E and 6+50 E is believed to be reflection of The Silver Leaf Zone. Because of the substantial width, this area deserves further investigation with an aid of mountain-climbing equipment.

Respectfully submitted

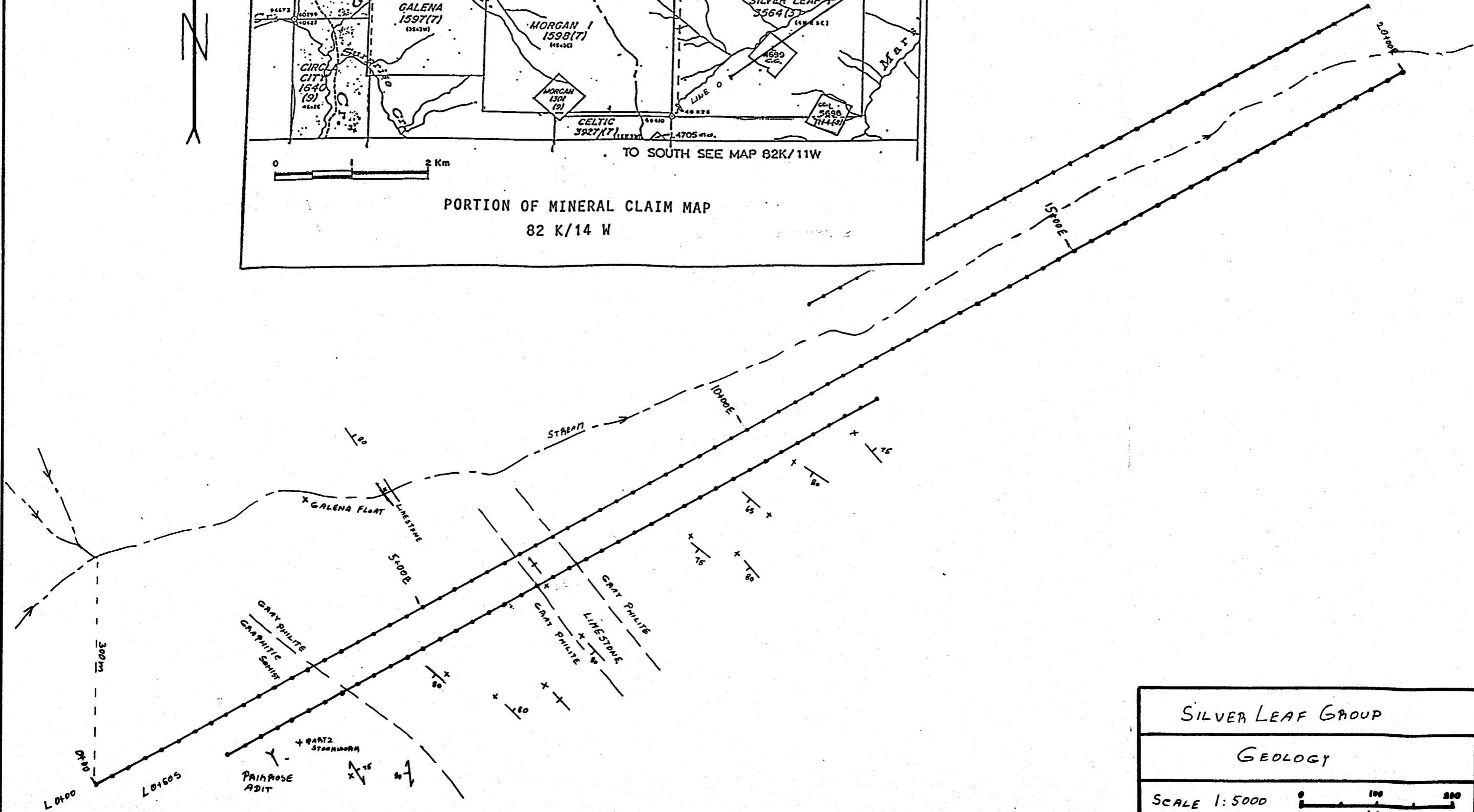


Milan Hlava

APPENDIX A
GEOLOGICAL MAPPING

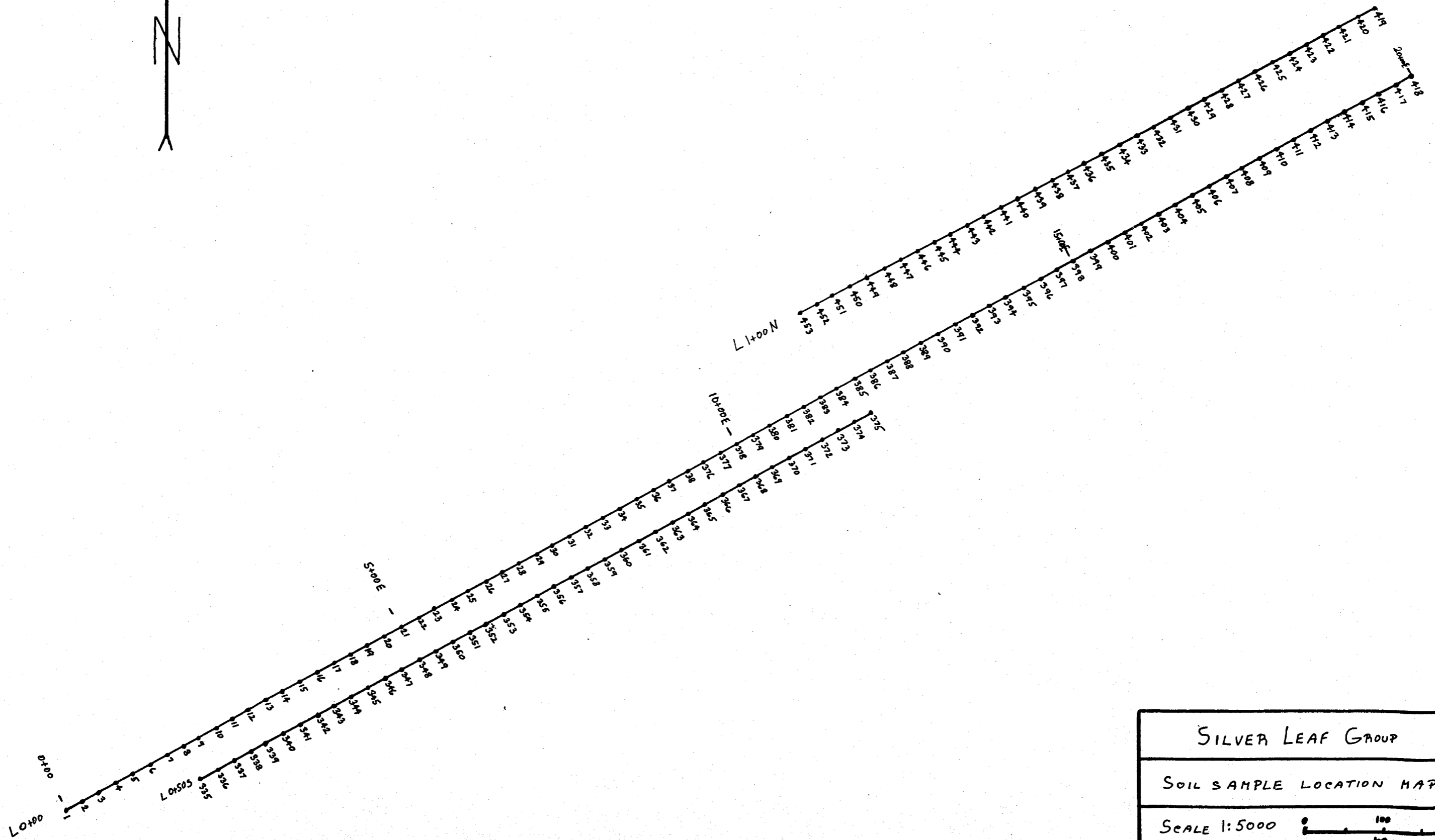


PORTION OF MINERAL CLAIM MAP
82 K/14 W



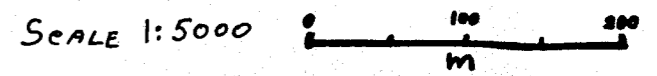
SILVER LEAF GROUP	
GEOLOGY	
SCALE 1:5000	

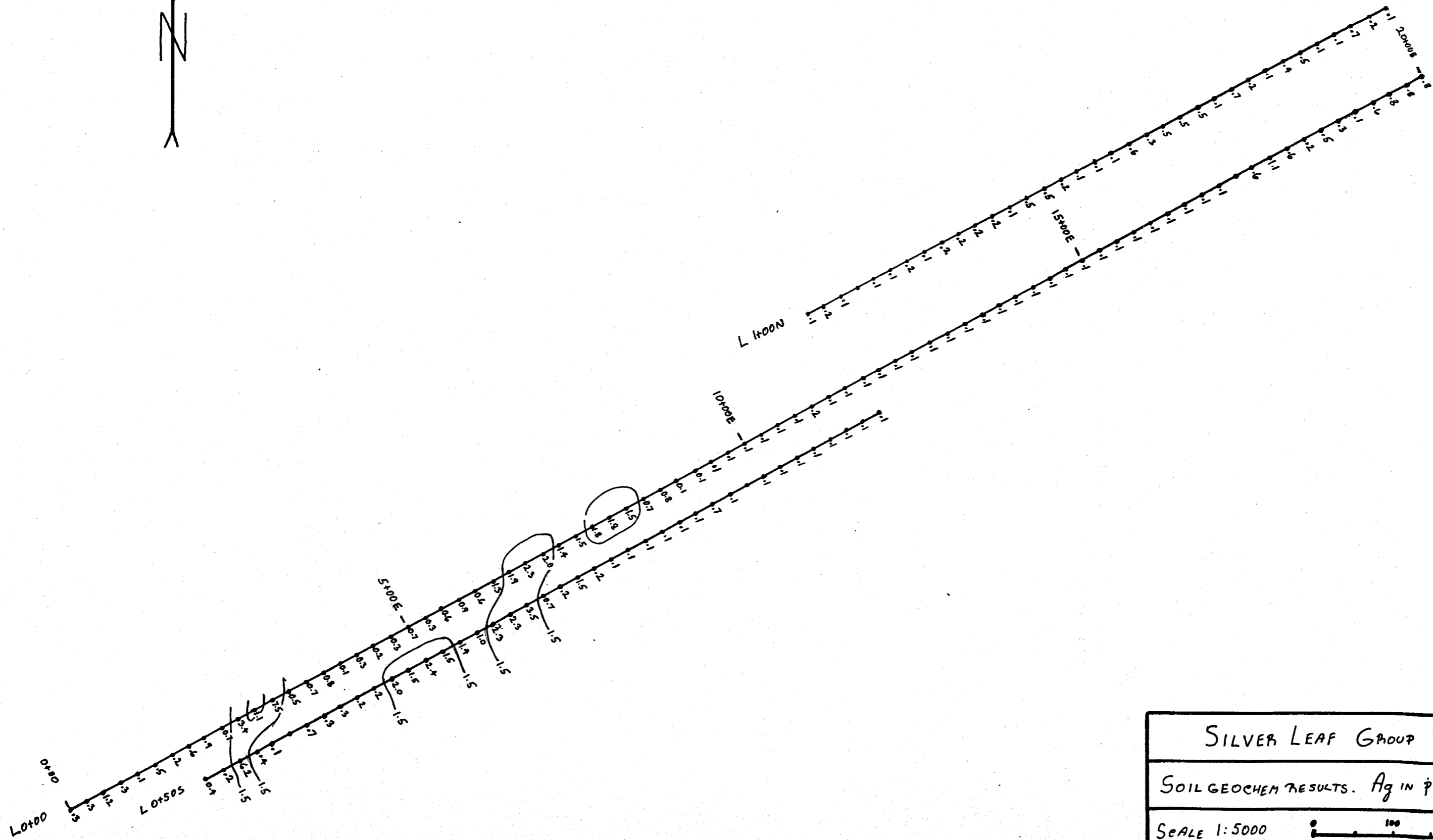
APPENDIX B
GEOCHEMICAL SURVEY RESULTS



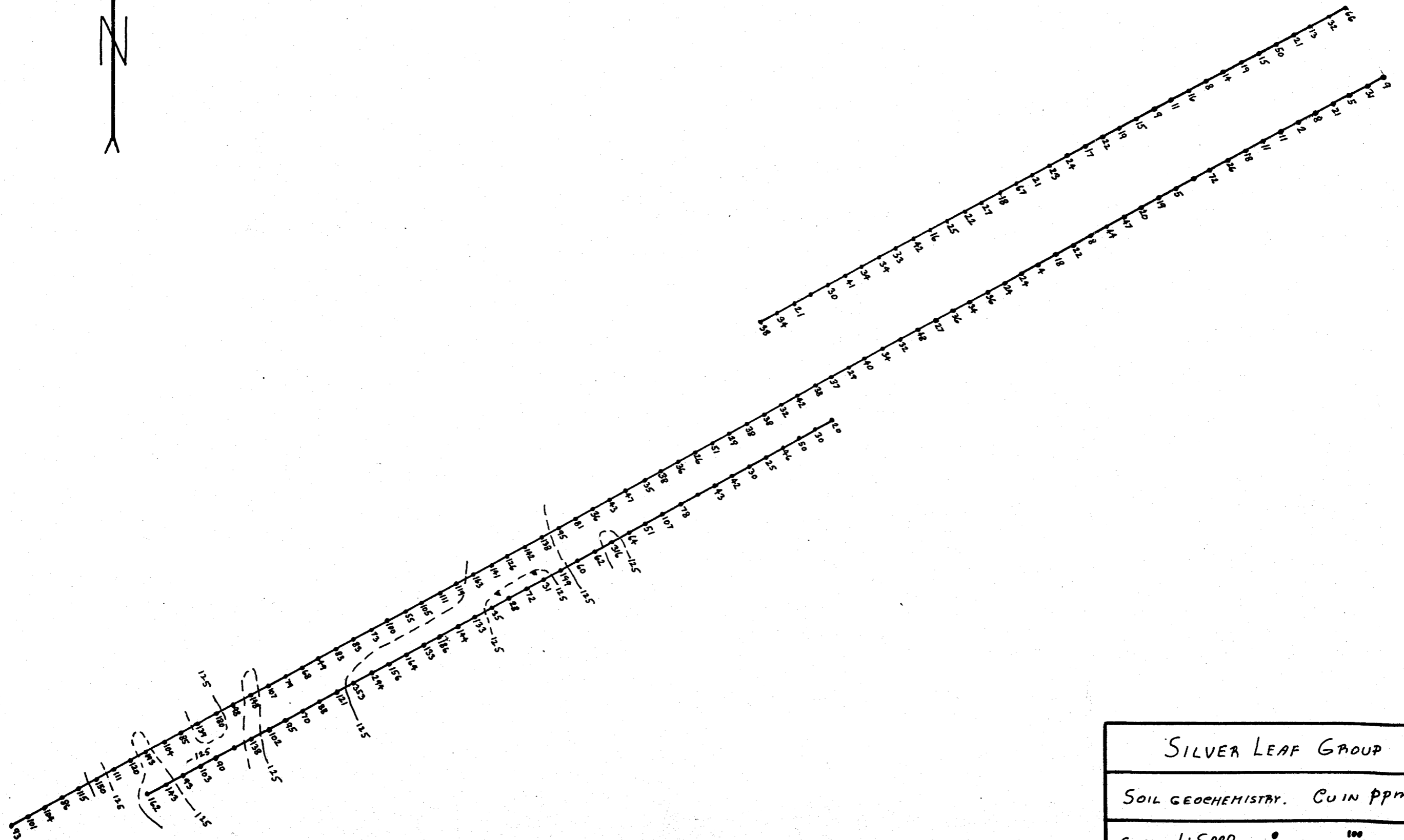
SILVER LEAF GROUP

SOIL SAMPLE LOCATION MAP

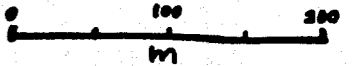


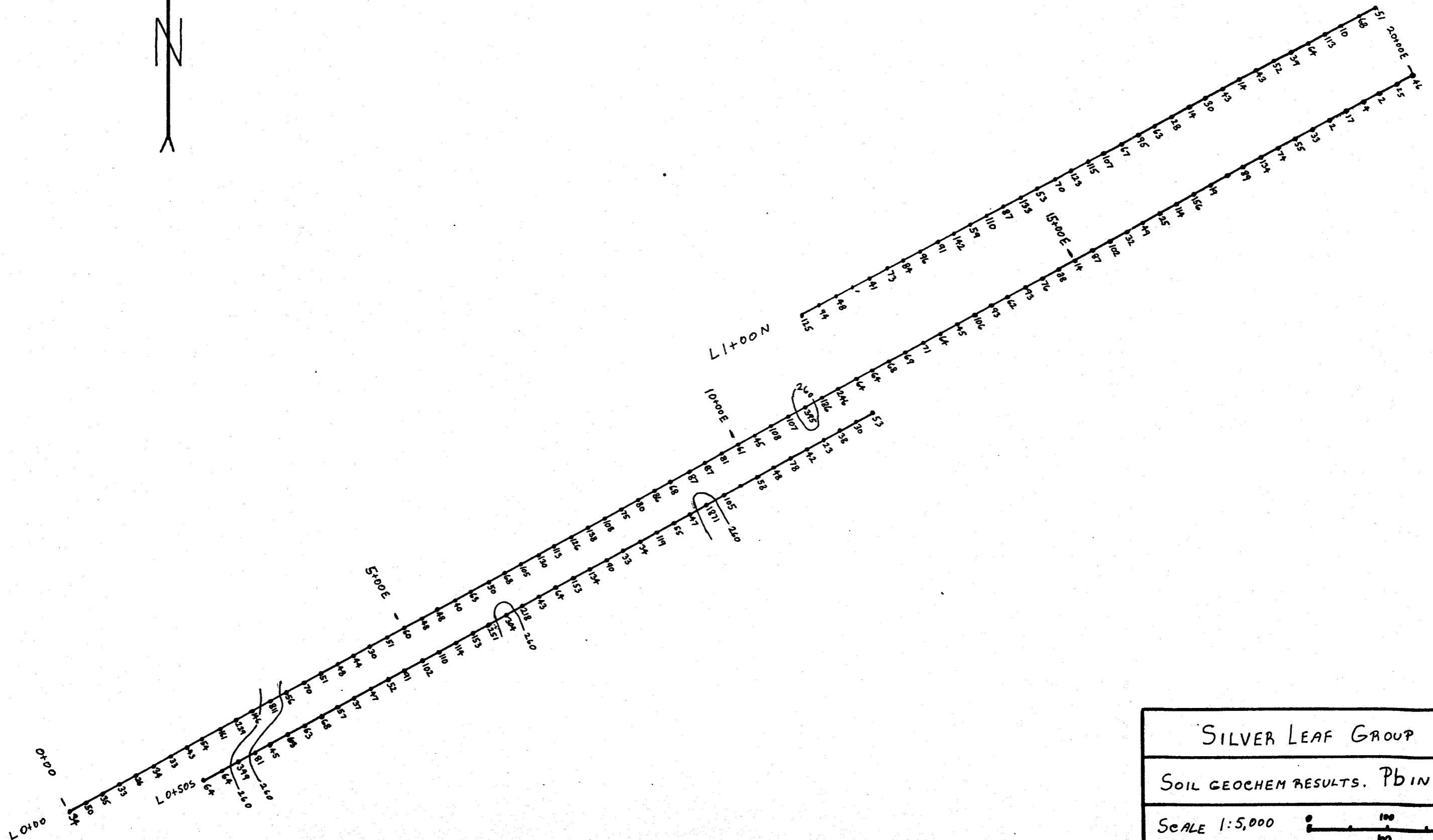


SILVER LEAF GROUP
SOIL GEOCHEM RESULTS. Ag in ppm
SCALE 1:5000
0 100 200
m

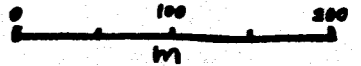


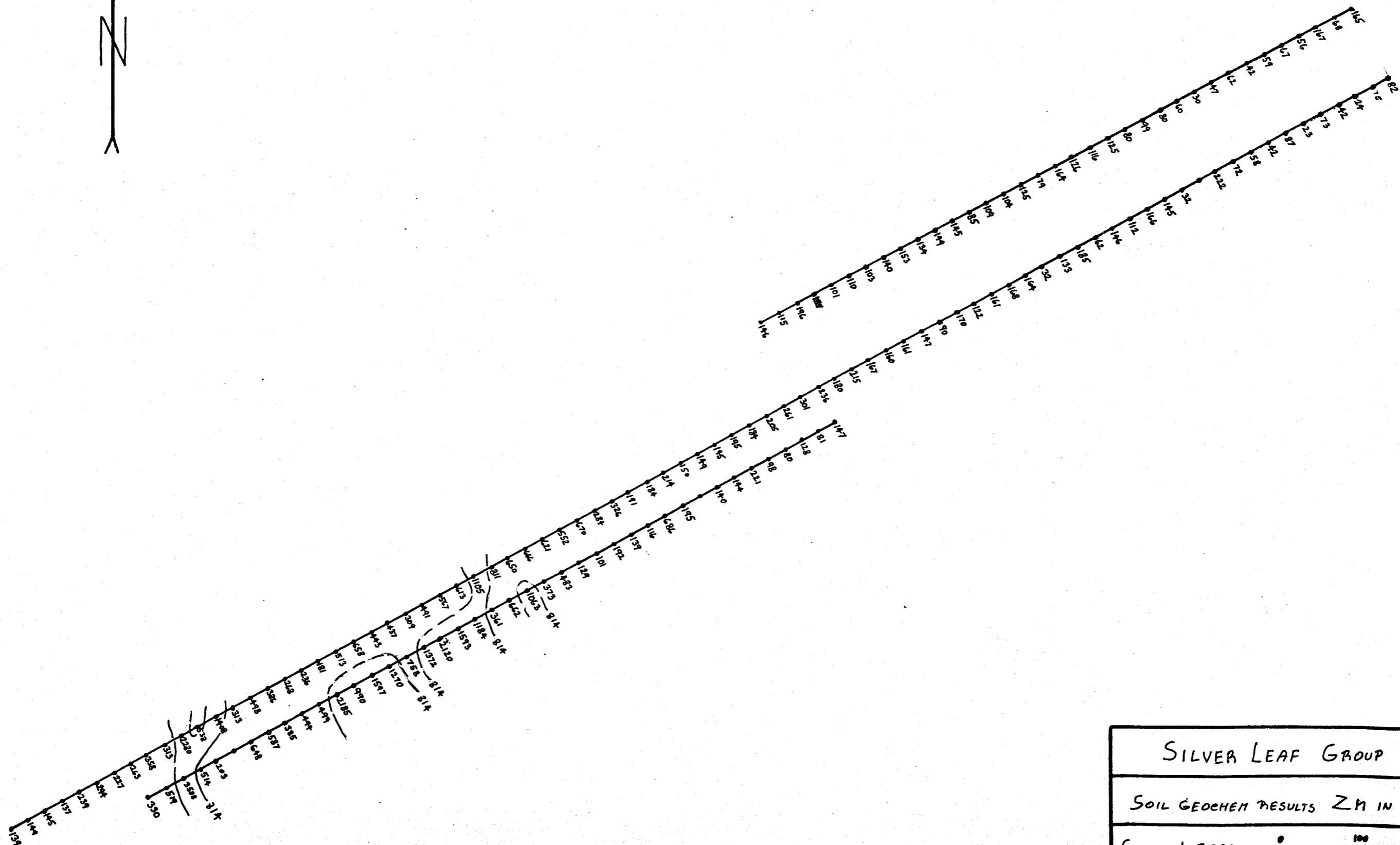
SILVER LEAF GROUP
SOIL GEOCHEMISTRY. Cu IN ppm
SCALE 1:5,000





SILVER LEAF GROUP
SOIL GEOCHEM RESULTS. Pb IN PPM
SCALE 1:5,000

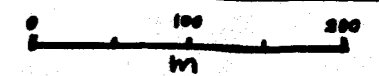




SILVER LEAF GROUP

SOIL GEOCHEM RESULTS Zn IN ppm

SCALE 1:5000



GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN PB SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL

DATE RECEIVED: OCT 18 1988

DATE REPORT MAILED: Oct 21/88

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

SAMPLE#	GOLDEN RANGE RESOURCES																												File # 88-5278	Page 1
	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA		
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	%	PPM
S-1	4	93	34	139	.3	62	24	1265	5.55	36	5	ND	7	49	1	2	5	9	.67	.114	18	17	.67	29	.01	9	1.09	.01	.03	1
S-2	4	101	50	149	.3	67	26	1188	6.07	45	5	ND	8	58	1	2	2	9	.76	.127	17	15	.58	26	.01	3	1.00	.01	.03	1
S-3	5	104	33	145	1.2	64	26	1003	5.89	55	5	2	14	59	2	2	2	8	.77	.108	15	12	.54	28	.01	9	.81	.01	.05	3
S-4	4	86	33	137	.3	61	23	1151	5.34	36	5	ND	7	50	1	2	3	9	.67	.127	18	16	.60	28	.01	12	1.02	.01	.03	1
S-5	9	115	26	239	.1	50	23	971	5.56	40	5	ND	4	27	1	2	2	6	.26	.168	10	7	.18	33	.01	2	.39	.01	.03	1
S-6	10	150	34	294	.5	77	28	681	5.96	47	5	ND	8	44	2	2	2	5	.57	.118	8	5	.25	45	.01	9	.34	.01	.03	1
S-7	10	111	33	227	.2	55	21	745	5.37	40	5	ND	3	16	1	2	3	6	.19	.175	9	6	.13	32	.01	7	.30	.01	.03	1
S-8	9	120	43	263	.6	66	23	907	5.42	37	5	ND	5	28	2	2	2	5	.32	.119	10	6	.19	41	.01	11	.39	.01	.03	1
S-9	13	193	54	358	.9	90	36	1278	7.67	64	5	ND	5	52	2	2	2	9	.68	.172	5	6	.19	54	.01	10	.38	.01	.05	1
S-10	13	104	161	313	.7	56	22	968	6.09	49	5	ND	1	20	1	2	2	9	.36	.184	5	6	.07	36	.01	8	.32	.01	.04	1
S-11	43	85	229	2280	3.4	223	33	514	7.16	354	5	ND	10	85	18	2	2	24	2.95	.283	2	9	.16	46	.01	2	.33	.01	.07	1
S-12	12	139	146	538	1.1	88	30	1221	6.49	63	5	ND	7	34	4	2	2	6	.85	.215	3	7	.14	49	.01	3	.38	.01	.06	1
S-13	15	180	811	1408	7.5	107	29	916	6.56	89	5	ND	7	31	12	2	2	10	.77	.183	3	8	.14	48	.01	10	.42	.01	.04	1
S-14	7	98	56	313	.5	73	35	1114	6.57	112	5	ND	9	9	1	2	2	7	.32	.134	2	11	.13	41	.01	7	.48	.01	.03	1
S-15	11	148	70	498	.7	103	31	813	6.07	64	5	ND	9	15	2	2	2	6	.33	.173	2	8	.08	31	.01	4	.39	.01	.03	1
S-16	9	107	51	386	.8	108	28	777	5.70	65	5	ND	7	15	1	2	2	7	.49	.105	2	9	.10	53	.01	5	.55	.01	.02	1
S-17	10	79	48	268	.1	70	28	1016	6.54	85	5	ND	9	7	1	2	2	14	.10	.199	2	18	.18	15	.01	2	.82	.01	.03	1
S-18	8	68	44	236	.3	51	15	295	4.53	59	5	ND	5	5	1	2	2	12	.11	.116	2	11	.06	16	.01	6	.36	.01	.03	1
S-19	8	49	30	181	.2	45	12	190	4.85	67	5	ND	4	4	1	2	3	15	.04	.169	2	15	.11	13	.01	4	.53	.01	.03	1
S-20	12	83	51	513	.3	96	39	836	6.86	77	5	ND	12	6	4	2	2	14	.24	.094	4	16	.21	31	.01	2	.79	.01	.02	1
S-21	13	83	60	656	.7	92	41	649	7.35	71	5	ND	13	6	6	2	2	13	.39	.087	4	14	.19	29	.01	3	.71	.01	.03	1
S-22	11	73	48	443	.3	76	34	791	6.60	58	5	ND	14	4	3	2	3	16	.17	.080	5	20	.29	21	.01	2	1.04	.01	.02	1
S-23	11	100	48	437	.6	83	37	672	6.71	78	5	ND	12	16	3	2	2	14	.67	.102	4	18	.31	26	.01	6	.96	.01	.03	1
S-24	8	55	40	309	.9	43	15	732	3.27	44	5	ND	3	44	2	2	2	9	.99	.129	4	8	.14	78	.01	5	.37	.01	.06	1
S-25	16	105	63	491	.6	60	10	348	4.52	46	5	ND	4	21	2	2	2	13	.47	.190	5	10	.09	33	.01	2	.31	.01	.03	1
S-26	26	111	50	567	1.3	91	16	314	6.80	80	6	ND	3	11	1	2	2	22	.05	.237	8	10	.08	22	.01	3	.43	.01	.04	1
S-27	25	119	68	613	1.9	98	17	394	5.84	61	5	ND	5	15	3	2	2	18	.14	.173	6	9	.07	29	.01	6	.51	.01	.04	1
S-28	29	163	105	1105	2.3	158	37	859	7.58	60	6	ND	9	45	10	2	2	13	.74	.148	6	7	.14	60	.01	10	.58	.01	.05	1
S-29	34	141	130	811	2.0	100	32	1112	7.53	52	5	ND	6	27	5	2	2	14	.31	.170	7	6	.06	37	.01	2	.35	.01	.05	1
S-30	19	126	113	650	1.4	70	20	703	4.75	34	5	ND	4	73	5	2	2	8	2.07	.164	5	4	.15	44	.01	8	.22	.01	.05	1
S-31	19	142	126	666	1.5	67	22	855	5.53	46	5	ND	4	45	6	2	2	10	1.38	.251	7	3	.08	53	.01	15	.21	.01	.05	1
S-32	13	138	138	621	1.8	71	35	802	11.03	18	5	ND	4	59	5	2	2	8	2.12	.167	5	2	.52	47	.01	11	.10	.01	.04	1
S-33	22	95	108	552	1.8	74	39	1248	7.45	40	5	ND	4	31	4	2	2	20	.89	.232	6	5	.24	97	.01	5	.27	.01	.09	1
S-34	46	81	75	670	1.5	100	10	238	4.20	30	5	ND	1	17	1	3	2	30	.06	.124	10	6	.07	30	.01	6	.26	.01	.08	1
S-35	12	36	80	284	.7	39	16	1578	4.01	20	5	ND	4	15	1	2	2	18	.55	.251	11	14	.32	69	.01	7	.74	.01	.07	1
S-36	9	43	86	326	.8	45	22	1096	4.71	20	5	ND	4	21	3	2	2	23	1.08	.367	14	14	.41	56	.01	3	.98	.01	.08	1
STD C	19	57	38	132	7.0	64	28	1066	3.89	38	16	8	39	49	17	17	21	55	.46	.084	36	59	.86	176	.06	36	1.89	.06	.13	12

GOLDEN RANGE RESOURCES FILE # 88-5278

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	MA	K	W
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM
S-37	3	47	68	191	.1	69	30	922	5.34	14	5	ND	10	12	1	2	4	9	.66	.137	32	29	.78	22	.01	4	1.86	.01	.02	1
S-38	2	35	87	184	.1	40	20	867	4.19	17	6	ND	6	42	1	2	3	7	2.27	.298	18	14	.53	28	.01	8	1.01	.01	.05	1
S-39	2	36	142	214	.1	40	20	1218	4.54	20	5	ND	6	27	1	2	2	8	1.62	.324	23	15	.48	33	.01	13	1.14	.01	.05	1
S-40	2	52	50	150	.1	68	29	702	5.99	11	5	ND	13	12	1	2	2	6	.86	.084	30	26	.73	17	.01	2	1.65	.01	.03	1
S-41	3	52	51	150	.1	65	27	951	6.30	14	5	ND	12	11	1	2	2	7	.51	.102	32	23	.63	22	.01	2	1.56	.01	.03	1
SS-1	3	108	20	114	.1	57	21	688	5.23	49	5	ND	6	175	1	2	3	12	3.11	.115	6	23	1.18	18	.01	3	1.09	.01	.02	2
SS-2	10	102	187	641	1.8	70	21	703	4.78	61	5	ND	7	38	6	6	3	9	1.33	.120	8	9	.37	88	.01	7	.48	.01	.05	1
SS-3	1	24	16	37	.1	15	7	450	1.60	12	5	ND	1	811	1	6	2	2	15.66	.030	12	5	.23	6	.01	12	.35	.01	.02	2
SS-4	5	66	99	267	1.6	53	18	504	4.23	53	5	ND	6	210	2	6	2	7	7.67	.074	5	12	.52	33	.01	7	.72	.01	.03	1
SS-5	3	75	51	202	.8	52	19	1219	4.78	44	5	ND	9	61	2	2	2	8	1.70	.085	12	14	.55	36	.01	2	.84	.01	.02	1
SS-6	4	52	85	211	.9	33	9	405	2.55	23	5	ND	2	78	1	5	2	6	7.78	.119	7	4	.28	29	.01	16	.34	.01	.04	1
SS-7	1	63	143	148	.2	38	22	1554	5.00	15	5	ND	4	40	1	2	3	11	.34	.072	19	19	.51	66	.01	5	1.35	.01	.05	1
SS-8	2	49	59	170	.4	36	18	1461	4.01	12	5	ND	5	48	1	2	2	11	3.08	.119	9	19	.53	39	.01	8	1.47	.01	.05	1
SS-9	1	36	74	122	.2	39	20	1344	5.22	4	6	ND	9	77	1	2	2	15	.52	.067	19	27	.75	29	.01	8	1.87	.01	.04	1
SS-10	1	31	24	105	.1	37	19	1352	4.97	2	5	ND	6	83	1	2	2	16	.46	.058	16	27	.71	26	.01	2	1.83	.01	.03	1
SS-15	1	53	77	127	.1	49	28	867	6.29	25	5	ND	7	169	1	2	2	13	3.15	.072	12	23	.70	13	.01	8	1.47	.01	.02	2
SS-16	2	67	109	171	.2	55	23	840	5.88	4	5	ND	6	32	1	2	2	41	.61	.115	11	49	1.23	52	.18	11	1.63	.01	.03	1
STD C	20	61	41	132	7.3	69	29	1181	4.13	38	19	8	40	52	19	18	22	59	.49	.088	39	61	.92	180	.07	39	2.00	.06	.13	12

GOLDEN RANGE RESOURCES FILE # 88-5278

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
S-324	1	38	53	138	.1	41	20	736	5.67	14	5	ND	9	11	1	2	2	20	.12	.064	24	28	.80	22	.01	2	2.30	.01	.05	1
S-325	1	59	59	142	.2	59	81	7192	5.48	18	5	ND	7	65	1	2	2	20	.68	.140	12	30	.77	56	.01	2	2.59	.01	.05	1
S-326	1	31	47	137	.1	38	21	1446	5.10	17	5	ND	7	27	1	2	2	15	.29	.096	18	23	.77	42	.01	2	1.86	.01	.06	1
S-327	1	78	58	147	.1	39	20	5299	3.92	11	5	ND	5	46	1	2	2	14	.40	.126	10	20	.73	73	.01	2	1.87	.01	.05	1
S-328	1	34	52	149	.1	41	23	1395	5.14	13	5	ND	7	31	1	2	2	17	.43	.099	15	27	.85	38	.01	2	2.01	.01	.06	1
S-329	1	28	44	98	.1	36	16	532	4.72	26	5	ND	6	49	1	2	2	6	.57	.075	13	10	.31	20	.01	2	.87	.01	.03	1
S-330	1	49	77	142	.1	45	23	1219	5.67	12	5	ND	8	23	1	2	2	19	.28	.079	19	30	.88	37	.01	2	2.15	.01	.04	1
S-332	1	34	50	127	.1	43	22	1214	5.28	18	5	ND	6	28	1	2	2	18	.31	.077	17	28	.84	57	.01	2	1.99	.01	.02	2
S-333	1	27	44	208	.1	29	13	4416	3.58	19	5	ND	4	198	1	2	2	6	2.60	.141	15	8	.23	58	.01	3	.82	.01	.02	1
S-334	1	48	57	154	.2	43	21	1670	5.27	13	5	ND	6	28	1	2	2	21	.36	.118	19	30	.78	69	.02	2	1.83	.01	.04	1
S-335	13	162	64	330	.4	90	33	1236	6.77	59	5	ND	4	47	2	2	2	8	1.03	.181	6	5	.15	64	.01	2	.34	.01	.06	1
S-336	15	143	64	519	.2	73	30	1719	8.10	68	5	ND	4	23	1	2	2	18	.38	.339	3	6	.06	67	.01	2	.36	.01	.07	1
S-337	38	93	349	3588	6.2	217	32	486	6.91	377	6	ND	10	50	45	10	2	47	1.64	.421	2	11	.18	103	.01	2	.45	.01	.12	1
S-338	9	103	81	514	.4	90	32	711	6.17	101	5	ND	12	17	2	2	2	8	.61	.131	3	5	.13	52	.01	2	.39	.01	.05	1
S-339	1	90	45	203	.1	123	60	583	7.04	78	5	ND	13	28	1	2	2	4	.89	.094	4	14	.50	31	.01	2	1.11	.01	.03	1
S-341	11	138	63	648	.7	121	28	853	7.82	105	5	ND	12	16	2	2	2	10	.72	.136	2	5	.17	47	.01	2	.28	.01	.05	1
S-342	9	102	68	587	.3	117	35	753	6.75	82	5	ND	12	17	5	3	2	11	.64	.134	3	13	.29	40	.01	2	.86	.01	.01	2
S-343	9	95	57	385	.3	120	40	824	7.10	84	5	ND	11	10	2	2	2	11	.53	.111	2	13	.22	38	.01	2	.75	.01	.03	1
S-344	9	70	37	494	.2	92	29	471	5.61	52	5	ND	16	7	4	2	2	21	.35	.061	7	17	.34	28	.01	3	.97	.01	.04	1
S-345	9	88	47	499	.2	106	38	679	7.18	76	5	ND	16	8	5	2	2	19	.42	.069	8	20	.41	28	.01	2	1.21	.01	.03	1
S-346	9	121	52	2185	2.0	326	47	910	7.61	64	5	ND	7	86	42	2	2	22	1.63	.143	6	9	.30	129	.01	2	.98	.01	.05	1
S-347	15	353	91	990	1.5	124	24	477	5.78	53	5	ND	3	62	9	5	2	9	2.95	.187	5	2	.35	51	.01	2	.21	.01	.04	1
S-348	24	294	102	1597	2.4	215	46	947	7.05	68	5	ND	8	45	16	3	2	23	.89	.170	9	8	.20	49	.01	2	1.10	.01	.03	1
S-349	28	156	110	1270	1.5	140	25	598	5.55	48	5	ND	9	45	12	4	2	18	.90	.098	11	3	.34	40	.01	2	.38	.01	.05	1
S-350	19	164	114	758	1.4	88	22	492	5.42	42	5	ND	7	32	6	2	2	10	.81	.137	7	2	.10	36	.01	2	.16	.01	.04	1
S-351	39	133	153	1372	1.0	111	15	444	3.44	46	5	ND	7	67	9	8	2	22	3.10	.099	11	2	.75	26	.01	2	.14	.01	.03	1
S-352	64	186	251	2120	2.3	172	18	476	4.64	74	5	ND	6	59	12	13	2	23	2.31	.092	10	2	.79	33	.01	7	.13	.01	.05	1
S-353	37	144	304	1593	2.3	129	17	842	4.16	38	5	ND	2	33	11	5	2	22	1.08	.133	10	3	.15	37	.01	3	.23	.01	.05	1
S-354	46	133	218	1184	3.5	133	25	924	5.33	30	5	ND	2	24	9	3	2	46	.25	.124	10	8	.18	48	.01	2	.52	.01	.09	1
S-355	9	35	43	361	.7	66	6	282	1.54	31	5	ND	1	81	2	3	2	27	7.00	.545	11	6	.70	106	.01	7	.83	.01	.04	1
S-356	12	28	64	662	.2	62	8	1011	2.31	34	5	ND	1	42	3	2	2	42	4.53	1.141	17	11	.40	100	.01	4	1.41	.01	.11	1
S-357	22	72	153	1063	1.5	79	8	514	3.37	58	5	ND	2	48	5	4	2	40	6.34	.731	12	8	.80	71	.01	5	.90	.01	.06	1
S-358	5	31	134	373	.2	38	16	874	4.26	21	5	ND	3	28	1	2	2	15	3.66	.364	16	10	.31	54	.01	3	1.01	.01	.02	1
S-359	4	199	90	483	.1	340	178	953	4.67	38	5	ND	5	24	1	2	2	14	2.32	.402	216	20	.58	54	.01	2	2.08	.01	.03	1
S-360	2	60	33	129	.1	74	32	438	5.91	6	5	ND	10	27	1	2	2	5	2.58	.068	33	10	.55	17	.01	2	.93	.01	.01	1
S-361	3	62	34	101	.1	60	33	437	5.61	9	5	ND	6	25	1	2	2	5	2.85	.081	29	8	.29	13	.01	2	.69	.01	.01	1
STD C	18	57	40	132	6.6	67	29	1018	4.14	39	17	6	37	47	18	19	22	59	.50	.092	39	55	.92	176	.07	32	2.05	.06	.14	12

GOLDEN RANGE RESOURCES FILE # 88-5278

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
S-362	2	316	119	192	.1	252	131	933	5.72	77	16	ND	6	13	1	2	2	10	.71	.137	346	22	.45	34	.01	2	1.85	.01	.05	1
S-363	3	64	55	139	.1	70	36	1182	5.63	38	16	ND	8	9	1	2	2	6	.34	.123	73	11	.52	28	.01	2	.98	.01	.03	1
S-364	3	51	47	116	.1	77	21	1061	4.66	21	5	ND	10	15	1	2	2	6	.53	.093	40	13	.78	24	.01	2	1.22	.01	.04	1
S-365	2	107	1871	686	.7	106	47	716	9.32	662	5	ND	9	25	1	2	3	5	1.70	.095	46	12	.61	18	.01	2	.99	.01	.04	1
S-366	3	78	105	195	.1	82	34	808	6.81	39	5	ND	10	13	1	2	2	8	1.02	.099	69	17	1.03	21	.01	2	1.58	.01	.04	1
S-368	1	43	58	140	.1	55	24	1331	5.11	15	5	ND	9	22	1	2	2	6	1.02	.125	44	13	.70	27	.01	2	1.13	.01	.04	1
S-369	1	42	48	144	.1	55	22	702	4.68	20	5	ND	9	24	1	2	2	6	1.35	.103	18	17	.93	18	.01	2	1.33	.01	.04	1
S-370	1	30	78	221	.1	43	21	1256	5.62	17	5	ND	8	9	1	2	2	10	.71	.130	21	20	.62	40	.01	2	1.54	.01	.01	1
S-371	1	25	42	98	.1	34	14	546	6.64	13	5	ND	5	2	1	2	2	14	.95	.112	13	25	.48	11	.01	2	1.43	.01	.03	1
S-372	3	46	23	80	.1	38	13	165	5.97	12	5	ND	2	4	1	2	2	21	.12	.073	11	15	.16	7	.01	2	.55	.01	.03	1
S-373	2	50	38	128	.1	48	18	558	8.13	14	5	ND	8	3	1	2	2	12	.06	.068	22	19	.30	17	.01	2	1.12	.01	.04	1
S-374	1	30	30	81	.1	38	12	140	6.53	10	5	ND	10	3	1	2	3	7	.05	.072	14	12	.29	11	.01	2	.79	.01	.02	1
S-375	1	20	53	147	.1	26	10	776	4.16	21	5	ND	1	9	1	2	2	13	.39	.237	20	9	.21	25	.02	2	1.50	.01	.04	1
S-376	1	38	87	170	.1	50	21	559	4.73	17	5	ND	8	17	1	2	2	8	1.74	.168	18	16	.64	20	.01	2	1.26	.01	.04	1
S-377	1	36	81	177	.1	45	20	640	4.65	20	5	ND	7	23	1	2	2	9	2.56	.219	21	14	.88	27	.01	2	1.13	.01	.03	1
S-378	1	26	61	149	.1	29	12	652	2.94	30	5	ND	5	99	1	2	2	5	8.29	.162	13	7	.59	21	.01	2	.69	.01	.04	1
S-379	2	51	45	145	.1	59	27	506	5.93	14	5	ND	9	13	1	2	2	6	.99	.096	24	13	.47	20	.01	2	1.04	.01	.03	1
S-380	1	29	108	195	.1	34	20	1075	4.59	22	5	ND	5	26	1	2	2	8	1.63	.227	21	11	.38	27	.01	2	.85	.01	.02	1
S-381	1	38	107	184	.1	71	22	1259	4.93	26	5	ND	4	24	1	2	2	10	1.48	.226	34	14	.49	32	.01	2	1.14	.01	.04	1
S-382	2	38	395	205	.2	44	29	1421	5.80	85	5	ND	3	14	1	2	2	13	1.00	.283	33	16	.52	32	.01	2	1.89	.01	.03	1
S-383	1	32	186	261	.1	46	26	1288	5.46	44	5	ND	7	11	1	2	2	9	.66	.269	46	16	.76	37	.01	2	1.53	.01	.04	1
S-384	1	42	246	301	.1	64	28	1257	6.24	17	5	ND	10	6	1	2	2	10	.22	.106	50	19	.81	23	.01	2	2.17	.01	.03	1
S-385	1	38	64	236	.1	45	18	990	4.21	14	5	ND	6	32	1	2	2	6	3.17	.152	24	13	.58	20	.01	2	1.08	.01	.03	1
S-386	1	37	64	180	.1	50	22	1106	5.12	20	5	ND	8	15	1	2	2	7	1.08	.142	21	16	.71	21	.01	2	1.46	.01	.03	1
S-387	1	29	68	215	.1	44	21	1142	4.92	18	5	ND	7	17	1	2	2	8	.82	.179	19	17	.66	26	.01	2	1.47	.01	.05	1
S-388	1	40	69	167	.1	50	20	1113	4.86	13	5	ND	8	22	1	2	2	7	1.54	.132	21	17	.70	22	.01	2	1.38	.01	.03	1
S-389	1	34	71	160	.1	36	21	1541	4.50	8	5	ND	8	22	1	2	2	6	1.18	.172	19	11	.60	36	.01	2	.98	.01	.03	1
S-390	1	32	64	161	.1	35	19	1425	4.20	11	5	ND	7	24	1	2	2	5	1.22	.177	18	10	.60	35	.01	2	.94	.01	.01	1
S-391	1	48	45	147	.1	50	20	669	4.84	14	5	ND	8	27	1	2	2	7	1.68	.170	25	15	.57	21	.01	2	1.21	.01	.04	1
S-392	1	27	106	90	.1	22	17	1380	7.01	2	5	ND	3	8	1	2	2	17	.27	.132	17	22	.29	18	.04	2	2.14	.01	.01	1
S-393	1	36	93	170	.1	44	19	1216	5.24	14	5	ND	7	13	1	2	2	9	.63	.187	37	14	.49	30	.01	2	1.28	.01	.04	1
S-394	1	34	62	122	.1	36	21	1419	4.76	6	5	ND	12	13	1	2	2	7	.47	.184	30	14	.63	29	.01	2	1.22	.01	.03	1
S-395	1	36	93	161	.1	43	19	1205	5.07	10	5	ND	7	12	1	2	2	8	.67	.164	35	12	.48	25	.01	2	1.30	.01	.02	1
S-396	1	24	76	168	.1	26	16	3422	3.84	13	5	ND	2	21	1	2	2	10	1.06	.220	25	9	.30	98	.01	2	1.19	.01	.03	1
S-397	1	24	88	164	.1	31	15	1743	4.66	12	5	ND	3	7	1	2	2	11	.29	.186	30	12	.36	38	.01	2	1.60	.01	.01	1
S-398	1	4	14	32	.1	6	3	180	.93	6	5	ND	3	3	1	2	2	6	.07	.030	17	3	.04	36	.01	2	.52	.01	.02	2
STD C	17	57	36	132	6.6	68	29	956	4.17	35	23	6	38	47	17	20	19	58	.50	.092	38	55	.92	175	.07	32	2.04	.06	.13	12

GOLDEN RANGE RESOURCES FILE # 88-5278

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb 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
S-399	1	18	87	133	.1	24	14	1747	4.59	8	5	ND	4	7	1	2	2	11	.22	.189	31	13	.46	40	.01	2	1.66	.01	.06	1
S-400	1	22	102	185	.1	22	18	2043	6.73	9	5	ND	4	10	1	2	2	18	.51	.389	19	16	.33	87	.01	2	1.70	.01	.06	1
S-401	1	8	32	62	.1	12	8	665	2.15	5	5	ND	5	5	1	2	2	8	.18	.081	15	7	.23	36	.01	2	.68	.01	.07	1
S-402	1	44	49	146	.1	52	20	2486	5.27	3	5	ND	11	152	1	2	2	3	6.85	.108	15	6	.50	50	.01	2	.60	.01	.05	1
S-403	1	47	25	112	.1	66	27	1323	5.65	10	5	ND	12	49	1	2	2	3	3.55	.143	27	5	.23	43	.01	2	.53	.01	.05	1
S-404	1	20	114	166	.1	28	23	3908	4.95	14	5	ND	3	23	1	2	2	8	.77	.225	18	9	.38	68	.01	3	.90	.01	.11	1
S-405	1	19	156	145	.1	21	16	2039	4.47	15	5	ND	2	17	1	2	2	10	.60	.217	15	7	.14	58	.01	2	1.23	.01	.08	1
S-406	1	5	19	32	.1	6	3	84	1.12	9	5	ND	4	5	1	2	2	9	.08	.055	15	4	.08	19	.01	2	.70	.01	.07	1
S-408	3	72	89	222	.6	49	19	654	5.09	41	5	ND	9	78	1	2	2	10	3.10	.116	14	13	.75	39	.01	2	.95	.01	.05	1
S-409	2	26	134	72	1.1	19	9	188	2.29	19	5	ND	4	6	1	2	2	7	.10	.101	12	4	.05	25	.01	2	.34	.01	.07	1
S-410	1	18	74	58	.6	15	5	106	1.67	14	5	ND	4	4	1	2	2	7	.06	.082	16	4	.03	29	.01	2	.25	.01	.07	1
S-411	1	11	55	42	.2	8	4	103	1.62	14	5	ND	8	5	1	2	2	11	.07	.040	23	5	.06	26	.01	2	1.05	.01	.06	1
S-412	1	11	33	87	.5	5	2	123	.78	2	5	ND	1	42	1	2	2	6	.49	.113	2	2	.04	104	.01	2	.21	.01	.07	1
S-413	1	2	2	23	.3	2	1	53	.58	5	5	ND	9	9	1	2	2	8	.13	.013	34	3	.02	31	.01	2	.60	.01	.06	1
S-414	1	8	17	73	.1	11	10	358	6.58	2	5	ND	2	21	1	2	2	21	.15	.107	28	9	.18	107	.03	2	1.22	.01	.23	1
S-415	1	21	4	42	.6	11	7	330	2.69	34	5	ND	3	6	1	2	2	10	.06	.073	17	3	.05	35	.01	2	.60	.01	.13	1
S-416	1	5	2	24	.8	3	2	97	.80	3	5	ND	4	15	1	2	2	14	.39	.020	18	3	.06	37	.01	2	.53	.01	.05	1
S-417	1	31	25	75	.8	15	13	1889	5.96	47	5	ND	2	13	1	2	2	21	.06	.107	15	10	.10	114	.01	2	.99	.01	.12	1
S-418	1	9	46	82	.8	6	2	213	.65	7	5	ND	1	18	1	2	2	6	.24	.101	2	3	.05	92	.01	2	.23	.01	.06	1
S-419	3	66	51	165	.1	45	19	835	5.11	34	5	ND	10	13	1	2	2	13	.26	.107	25	17	.67	34	.01	2	1.14	.01	.06	1
S-420	1	32	68	122	.2	26	15	2045	4.37	27	5	ND	5	13	1	2	2	9	.24	.093	20	7	.23	81	.01	2	.67	.01	.09	1
S-421	1	13	10	54	.7	12	7	178	2.33	18	5	ND	5	3	1	2	2	10	.02	.035	30	2	.02	22	.01	2	.32	.01	.08	1
S-422	1	21	113	68	.1	16	18	949	4.79	26	5	ND	9	15	1	2	2	5	.13	.144	23	4	.08	27	.01	2	.49	.01	.09	1
S-423	2	50	64	167	.1	42	18	638	4.97	32	5	ND	10	22	1	2	2	12	.55	.118	20	15	.65	37	.01	2	1.08	.01	.06	1
S-424	1	15	39	56	.5	14	10	468	3.52	20	5	ND	5	6	1	2	2	6	.06	.119	20	3	.05	32	.01	2	.42	.01	.09	1
S-425	1	19	52	67	.4	18	9	246	3.88	23	5	ND	5	7	1	2	2	6	.07	.077	20	4	.09	22	.01	2	.59	.01	.10	1
S-426	1	14	43	59	.1	14	8	291	3.89	22	5	ND	6	8	1	2	2	6	.07	.105	22	5	.10	39	.01	2	.68	.01	.10	1
S-427	1	8	14	42	.2	9	6	205	2.24	14	8	ND	4	4	1	2	2	12	.04	.048	32	3	.04	25	.01	2	.49	.01	.10	1
S-428	1	16	43	62	.7	15	13	465	3.25	23	5	ND	4	18	1	2	2	5	.15	.089	13	3	.08	54	.01	2	.40	.01	.12	1
S-429	1	11	30	47	.1	13	8	215	3.06	20	5	ND	8	5	1	2	2	6	.04	.056	25	3	.05	34	.01	2	.55	.01	.11	1
S-430	1	9	14	30	.5	9	4	101	2.19	22	5	ND	5	3	1	2	2	7	.03	.077	22	2	.02	37	.01	2	.46	.01	.09	1
S-431	1	15	28	60	.5	16	7	150	2.35	19	5	ND	5	4	1	2	3	7	.04	.068	16	4	.03	28	.01	2	.36	.01	.09	1
S-432	1	19	63	80	.5	17	7	190	2.46	14	5	ND	4	5	1	2	2	4	.07	.111	11	4	.07	32	.01	2	.33	.01	.11	1
S-433	1	22	95	99	.3	22	15	850	2.83	15	5	ND	5	13	1	2	2	4	.17	.105	13	4	.11	50	.01	2	.42	.01	.11	1
S-434	1	17	67	80	.6	16	7	168	2.31	15	5	ND	3	6	1	2	2	4	.08	.099	10	3	.05	40	.01	2	.29	.01	.12	1
S-435	1	24	107	125	.1	30	18	803	3.17	20	5	ND	5	27	1	2	2	3	.40	.090	12	4	.18	30	.01	3	.42	.01	.10	1
STD C	18	57	38	132	6.5	67	29	963	4.06	40	22	8	37	47	18	18	18	58	.51	.092	38	55	.92	173	.06	33	2.01	.06	.14	11

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb 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
S-436	1	23	115	116	.1	28	19	875	3.24	25	5	ND	6	19	1	2	2	3	.24	.095	14	5	.16	41	.01	2	.43	.01	.12	1
S-437	1	21	123	126	.1	25	19	1378	3.47	26	5	ND	5	14	1	2	2	5	.22	.134	14	7	.19	66	.01	2	.59	.01	.14	1
S-438	2	67	70	164	.2	51	19	744	4.82	44	5	ND	9	66	1	2	2	11	2.17	.129	18	17	.77	39	.01	2	1.05	.01	.05	1
S-439	1	18	53	79	.5	17	8	238	3.09	14	5	ND	5	5	1	2	2	6	.12	.117	14	5	.06	32	.01	2	.40	.01	.08	1
S-440	1	27	133	125	.5	26	19	1272	3.97	17	5	ND	7	13	1	2	2	5	.24	.107	15	6	.11	45	.01	2	.69	.01	.09	1
S-441	2	22	87	104	.1	23	11	726	3.54	14	5	ND	3	6	1	2	2	10	.11	.139	16	7	.17	48	.01	2	.55	.01	.10	1
S-442	2	25	110	109	.2	20	13	1598	3.14	16	5	ND	2	10	1	2	2	10	.37	.156	12	6	.13	57	.01	2	.44	.01	.10	1
S-443	1	16	59	85	.2	20	10	415	3.59	16	5	ND	9	5	1	2	2	3	.14	.185	18	5	.11	18	.01	2	.36	.01	.06	1
S-444	1	42	142	145	.2	39	23	1971	4.97	20	5	ND	11	18	1	2	2	3	.61	.147	24	6	.19	38	.01	2	.53	.01	.06	1
S-445	1	33	91	149	.2	32	20	1688	4.14	24	5	ND	9	40	1	2	2	2	2.14	.144	19	5	.29	27	.01	2	.44	.01	.06	1
S-446	1	34	96	134	.1	34	19	2082	4.46	20	5	ND	11	18	1	2	2	3	.64	.149	24	7	.29	25	.01	2	.56	.01	.06	1
S-447	1	34	84	133	.2	33	19	1357	3.83	15	5	ND	9	31	1	2	2	5	1.82	.143	18	10	.62	29	.01	2	.89	.01	.06	1
S-448	1	41	73	140	.1	37	20	1320	4.32	13	5	ND	11	38	1	2	2	5	2.48	.125	21	11	.96	23	.01	2	1.03	.01	.06	1
S-449	1	30	41	103	.1	31	16	659	3.34	12	5	ND	11	99	1	2	2	4	6.64	.088	17	10	.92	11	.01	2	.90	.01	.05	1
S-451	1	21	48	101	.1	20	9	747	2.12	20	6	ND	5	114	1	2	2	3	15.01	.150	13	5	.59	14	.01	3	.50	.01	.03	1
S-452	1	34	94	157	.2	34	16	737	3.68	31	5	ND	7	104	1	2	2	5	9.53	.171	21	8	.73	18	.01	2	.74	.01	.05	2
S-453	1	38	125	196	.1	41	17	874	3.95	29	5	ND	7	47	1	2	2	7	4.61	.273	23	10	.75	33	.01	5	.89	.01	.03	1
POSS ADIT	1	50	63	139	.2	42	20	1362	6.25	21	5	ND	12	6	1	2	2	12	.12	.051	40	14	.37	32	.01	2	1.28	.01	.06	1
STD C	17	58	40	132	6.7	68	29	1017	4.08	38	24	7	37	47	18	16	19	59	.50	.092	39	56	.92	176	.07	33	2.02	.06	.13	12

APPENDIX C
CERTIFICATE

CERTIFICATE

I Milan Hlava of the town of Surrey, Province of British Columbia, Canada do state:

1. That I am a practicing consulting geologist with office at 14746, 90A Avenue Surrey, B.C. V3R 1B2.
2. That I am a graduate of Komensky University, Bratislava, Czechoslovakia (1968) with a degree of Bachelor of Science in Exploration Geology.
3. That I have practiced my profession as a Geologist continuously since 1968 and as a Consulting Geologist continuously since 1984.
4. That the conclusions reached in this report are my own.



Milan Hlava B.Sc., F.G.A.S.
Consulting Geologist

APPENDIX D
SUMMARY OF EXPENDITURES

SUMMARY OF EXPENDITURES

SALARIES

1 Senior Geologist	10 days	300/day	3,000
1 Geologist	10 days	225/day	2,250
1 Prospector	10 days	175/day	1,750
1 Helper	10 days	125/day	1,250
MOBILIZATION & DEMOBILIZATION			
Vancouver - Nakusp - Vancouver			800
FOOD & ACCOMODATION	10 days	65/man/day	2,600
FIELD WORK PLANNING	2 days	300/day	600
TRUCK RENTAL	10 days	55/day	550
FIELD SUPPLIES			500
DRAFTING,MAPS PRINTS			300
COMPILATION INTERPRETATION			1,625
ANALYSES			
30 elements ICP	155 samples	10.00	1,550
HELICOPTER	22.3 hours	585	13,045
TOTAL			\$ 29,820