87-191-16005

3/88

GEOCHEMICAL ASSESSMENT REPORT

on

SILVER SLIPPER CLAIM GROUP

REVELSTOKE MINING DIVISION, B.C.

Lat 50° 39.6' M. Long. 117° 24.6' W.

(B.C. Dept. Lands and Forests)
82K/11W

FILMED

Victoria, B.C.
February 13, 1987

Owner/Operator
Larrie B. York, B.A.
Prospector

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,005

LARRIE B. YORK
#3 - 2733 SATELLITE ST.
VICTORIA, B.C. V8S 3C3

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INTRODUCTION

Two men, myself and one son, required one and one half days travel time (each way) and four days working time on the Silver Slipper Claim. Working dates were from September 23th to September 26th, 1986, inclusive.

Purpose of the work was to use an S.P. detector to run transect lines across one main claim unit to detect any available anomally and to do some soil sampling at points of interest.

Also of interest was to locate the old Parsboro adit site - which probably lies on the second, or fractional, unit of the Silver Slipper Claim.

LOCATION, ACCESS AND TOPOGRAPHY

Road access from Revelstoke, B.C. consists of 88 km via Highways 23 and 31 to Trout Lake, then approximately 11 km. up Alpha Road (a good gravelled logging road). This road goes across the Silver Slipper Claim and passes within 10 metres of the original winze on the property (approximately 3800 ft. or 1158 m elevation).

The property lies south of the south fork of the Lardeau River in the Selkirk Mountains. Mountain heights approach 9000 ft. or 2743 m.

Precipitation in the region is high. Snow levels of 3 meters or more are common. The area is old forest of large hemlock and cedar.

HISTORY OF THE CLAIMS

A complete mining history of the area is available in Bulletin 45 published by the B.C. Department of Mines and Petroleum Resources by James T. Fyles and G.E.P. Eastwood (1962).

Relevant information pertaining to the Silver Slipper Claim (fomerly known as the Canadian Boy) and the Parsboro Claims has been photocopied from Annual Reports and follows herewith:

1910 *Canadian Boy.*—On this claim, situated at Seven-mile, on the South fork of Lardeau creek, and located in 1896, owned by Kirkpatrick, Thompson, and Daney, a very promising body of ore has been exposed. The vein, between 7 and 8 feet of quartz, cutting the formation at right angles, besides carrying small streaks of clean carbonates, is heavily mineralised throughout its entire width. A shaft has been sunk 10 feet, a substantial and commodious shaft-house erected, and it is the intention of the owners during the present year to thoroughly determine the possibilities of this property by active development.

P, 2

1912 Canadian Boy. This group, comprising the *Paddy*, *Parrsboro*, and *Canadian Boy* mineral claims, owned by Kirkpatrick, Daney, and others, is situated at Seven-mile, on the South fork of Lardeau creek. Considerable work has been done on the *Canadian Boy* claim this season; a body of ore was uncovered, a shaft was sunk on same 40 feet, when the heavy flow of water necessitated a change in the plan of development, and a tunnel was started to tap the ore-body and shaft; this has now been driven about 175 feet, of which 130 feet is on the vein, and, although not yet under the shaft, they have a very good showing of ore for some distance back from the face.

1913 *Canadian Boy.*—This group, owned by Kirkpatrick, Daney, and others, is situated at Seven-mile, on the South fork of the Lardeau, and has a fine showing of silver-lead ore, averaging about 90 oz. in silver a ton.

C.B.—Work during 1912 consisted in sinking 32 feet and drifting 37 feet. There is a quantity of sacked ore on the dump, but no attempt will be made to ship at present.

1913 Canadian. On the south-east side of Lardeau creek (South fork), opposite Nettie L. mountain, is the *Canadian* mine, upon which has been discovered an outcrop of galena. The formation is a carbonaceous phyllite, having a strike of N. 60° W., with a vertical dip, cut by a quartz vein having a strike of N. 10° E., with an easterly dip of 80 degrees.

A shaft (elevation 3,825 feet) was sunk on the galena to a depth of 55 feet, where a flow of water was encountered too great to be handled by hand. Thirty feet below the collar of the shaft a drift has been driven southward on the vein for a short distance. The vein is here 4 feet wide, and on its hanging-wall side there is a streak of decomposed material containing much iron oxide, with occasional bunches of solid galena. A sample taken across the vein in the shaft at this level assayed: Gold, a trace; silver, 1.6 oz.; no assay being made for lead. A selected sample of the galena from the drift assayed: Gold, 0.04 oz.; silver, 63.6 oz.; lead, 72.6 per cent. Associated with this galena is a considerable quantity of iron pyrites, a fairly clean sample of which assayed: Gold, 0.46 oz.; silver, 6.6 oz.

Between the vein and the hanging-wall is a gouge about 6 inches wide composed largely of crushed quartz, a sample of which assayed: Gold, a trace; silver, 1 oz. One hundred and twenty-five feet vertically below and a short distance north-east of the shaft an adit has been driven on the vein with the intention of getting below the bottom of the shaft, raising to it, and thus draining the water, so as to enable the downward extension of the galena-shoot to be opened. This adit has been driven on the vein for a distance of 100 feet. The rock is very badly broken, and near the face of the level there are some open seams, from which a heavy flow of water comes; there is also a great deal of water coming in from the roof. The face of the adit seems to be about through the wettest portion of the ground, and a few feet farther should carry it beyond the heavy flow into more solid ground, where the workings will be comparatively dry. The level has not been driven far enough yet to reach a point directly underneath the shaft, nor has there been any crosscutting done, looking for the downward extension of the galena-shoot, although in the vein itself occasional bunches of galena have been found.

At surface the formation is much broken, and the vein outcropping near the bottom of a draw probably accounts for the heavy flow of water, which, owing to the open nature of the ground, flows beneath the surface in this depression and along the vein.

About 300 feet south-east of the shaft is a belt of quartzite which can be traced through the country for a long distance, and is locally known as the *Cromwell* dyke.

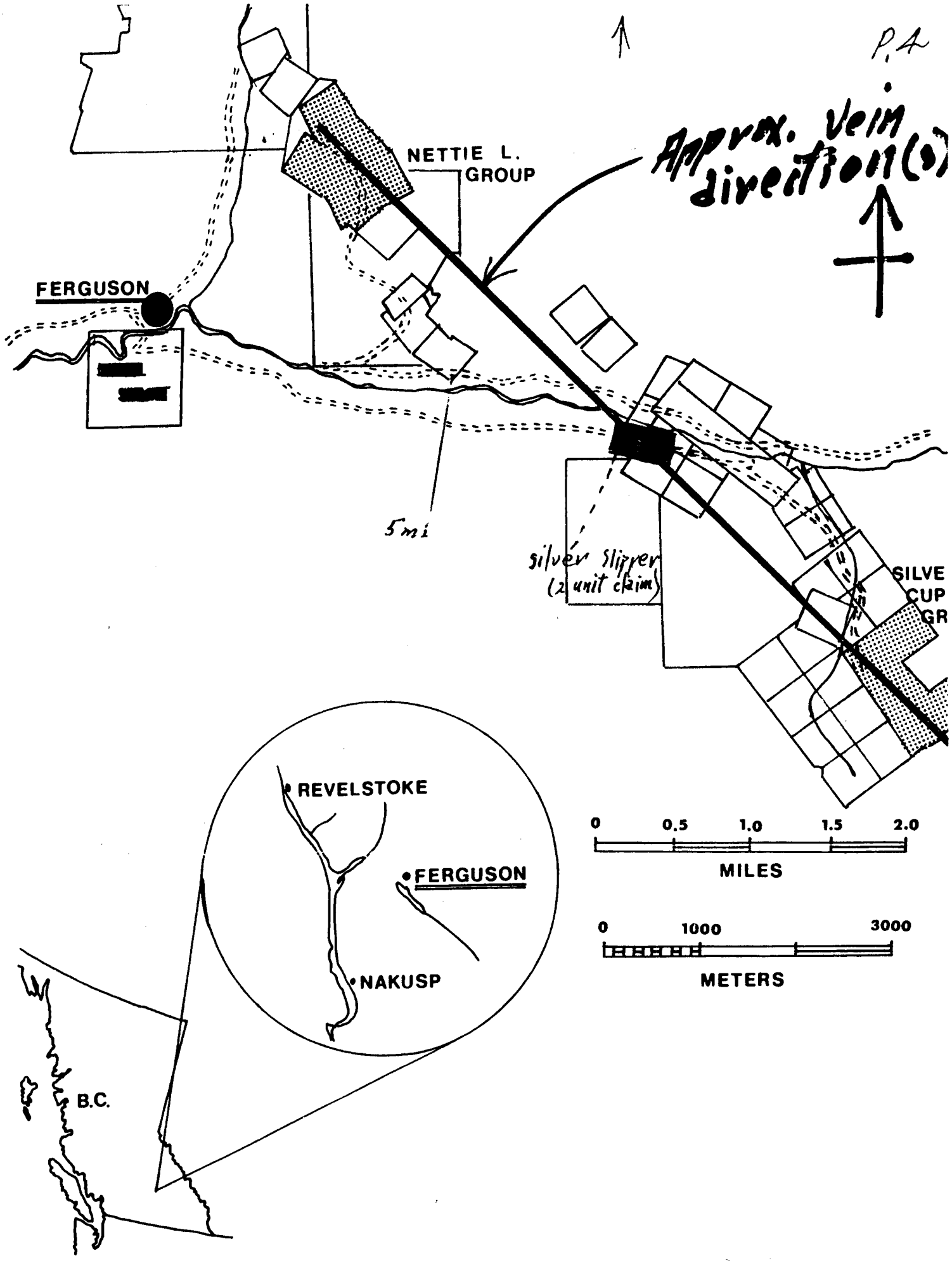
Relevant references from the Department of Mines Reports (1920 p.128 and 1921 p.161) concerning the Parsboro Claim area are as follows:

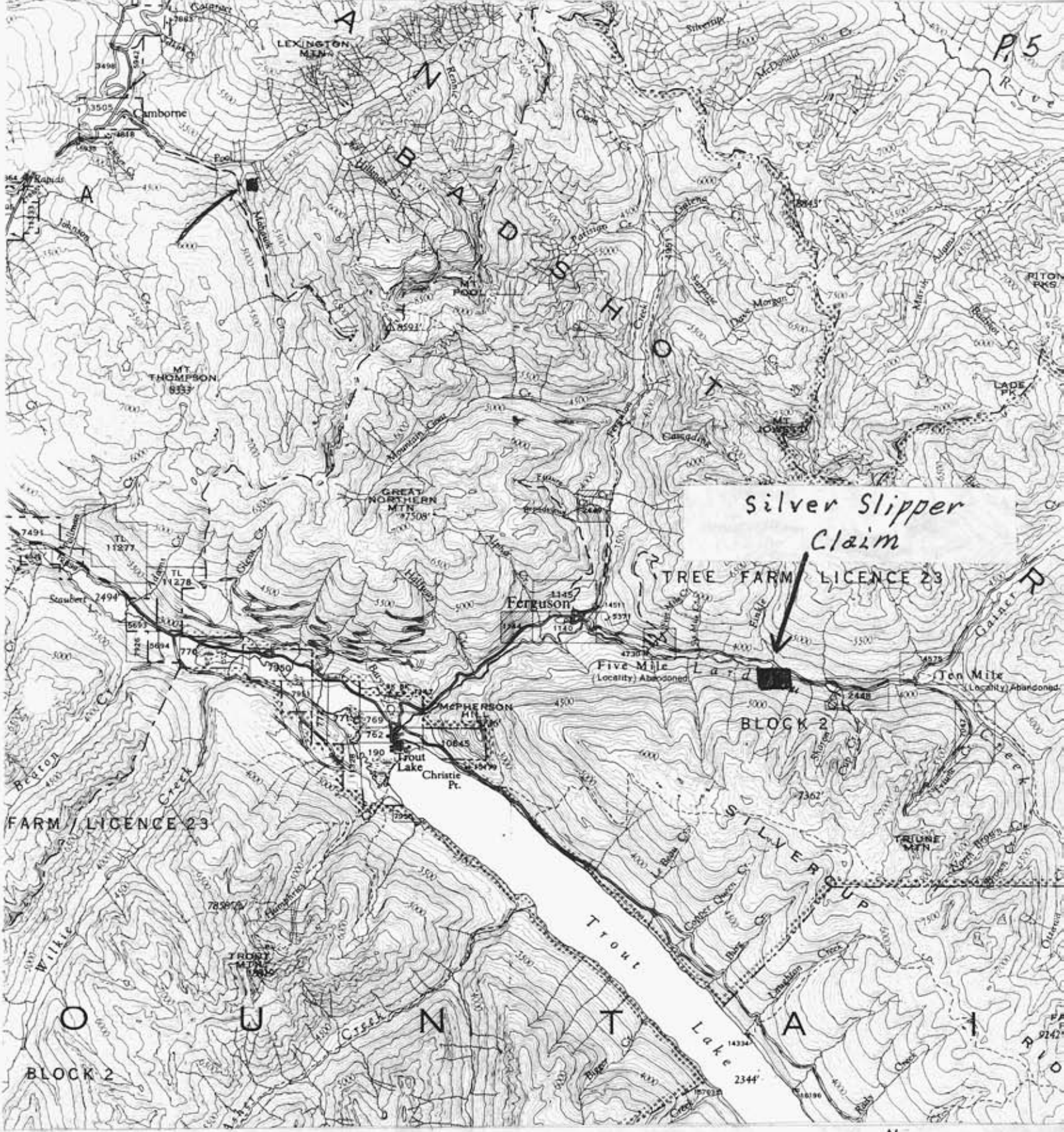
1920. "At the Parsboro, which is situated near the latter property (Nettie L.) the crosscut tunnel started in 1919 by two men, under contract, to tap the vein at depth reached its objective in the fall. There is reported to be a nice showing of ore at the intersection."

1921. "At the Parsboro, which is situated across the creek from the last mentioned property (Gold Bug), a tunnel 180 ft. in length has been driven to gain depth on a showing of ore in an old shaft. Work was discontinued before the tunnel had gained its objective."

STATEMENT OF QUALIFICATIONS

The author of this report has a degree in Chemistry and Math from U.B.C. and has taken the initial prospectors course in Vancouver. The author has owned claims over a period of some thirty years.


P.A
Approx. Vein direction(s)
NETTIE L. GROUP
FERGUSON
5mi
silver Slipper (2 unit claim)
SILVE
CUP
GR
REVELSTOKE
FERGUSON
NAKUSP
B.C.
0 0.5 1.0 1.5 2.0
MILES
0 1000 3000
METERS


Silver Slipper
Claim
TREE FARM LICENCE 23
BLOCK 2
FARM / LICENCE 23
BLOCK 2
Ferguson
Five Mile
(Locality) Abandoned
Ten Mile
(Locality) Abandoned
Trout Lake
Christie Pt.
McPHERSON
GREAT NORTHERN MTN
7508'
MT. THOMPSON
8333'
LEXINGTON MTN
Camborne
Rapids
Pool
MT. POOL
8591'
TRIUNE MTN
TROUT MTN
Trout Lake
2344'
Beaton
Creek
Wilkie
Creek
Silver Cup
Creek
Gainer
Creek
Finlay
Creek
Mackenzie
Creek
Ferguson
Creek
Mountain Goat
Creek
Pollock
Creek
Halfway
Creek
Alpine
Creek
Johnson
Creek
Rainbow
Creek
Stauber L.
2494'
TL 11277
TL 11278
7362'
7859'
7950'
10845
14334
Lard
Creek
Trout
Lake
Creek
Ruby
Creek
Bigger
Creek
Humphries
Creek
Colter
Creek
Lexington
Creek
Camborne
Creek
Johnson
Creek
Rainbow
Creek
Mackenzie
Creek
Pollock
Creek
Halfway
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Ferguson
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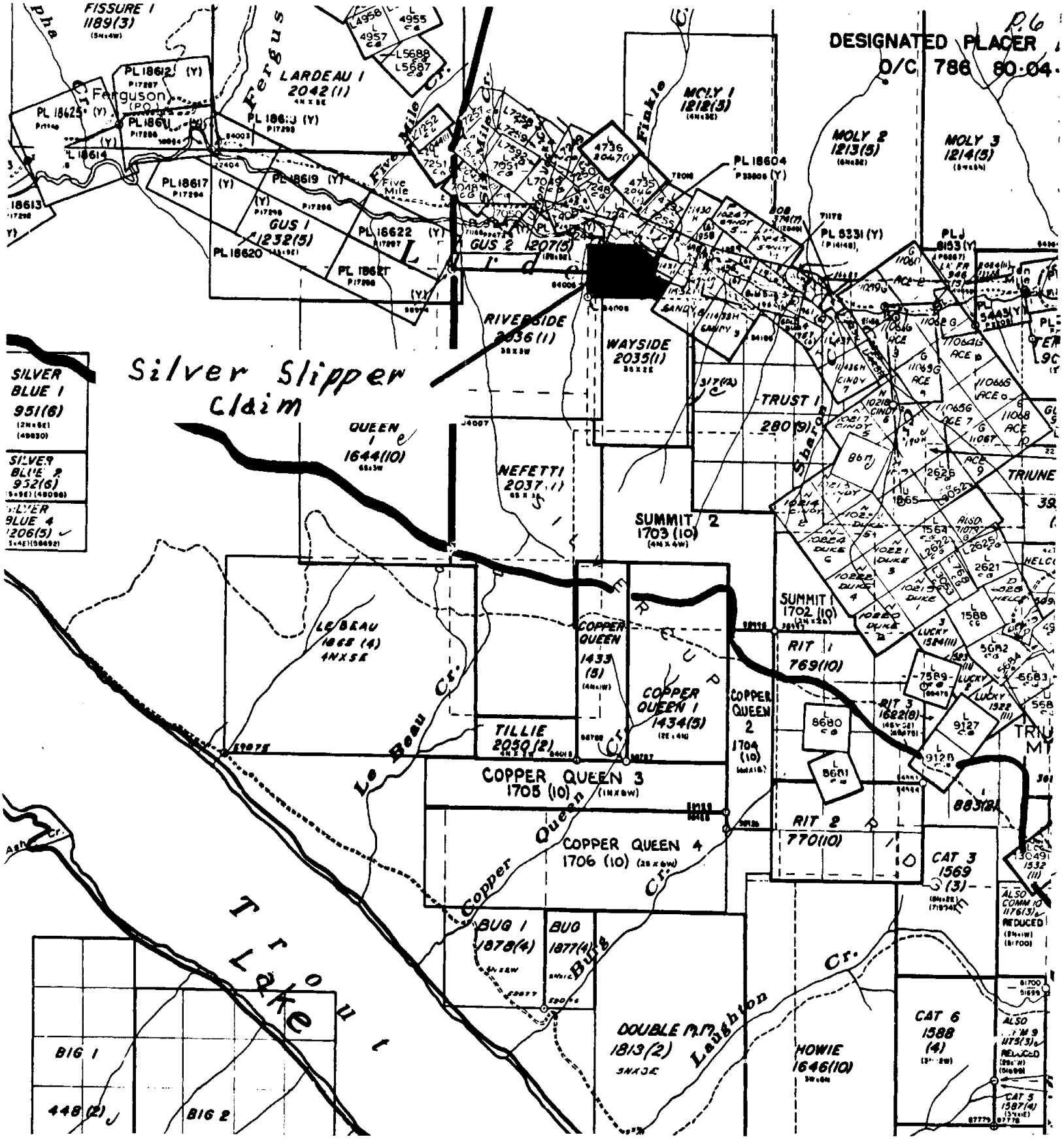
Finlay
Creek
Gainer
Creek
Silver Cup
Creek
Wilkie
Creek
Beaton



Dept. Mines & Min. Resources

Min. Claim Map 82K/11W (M)

N

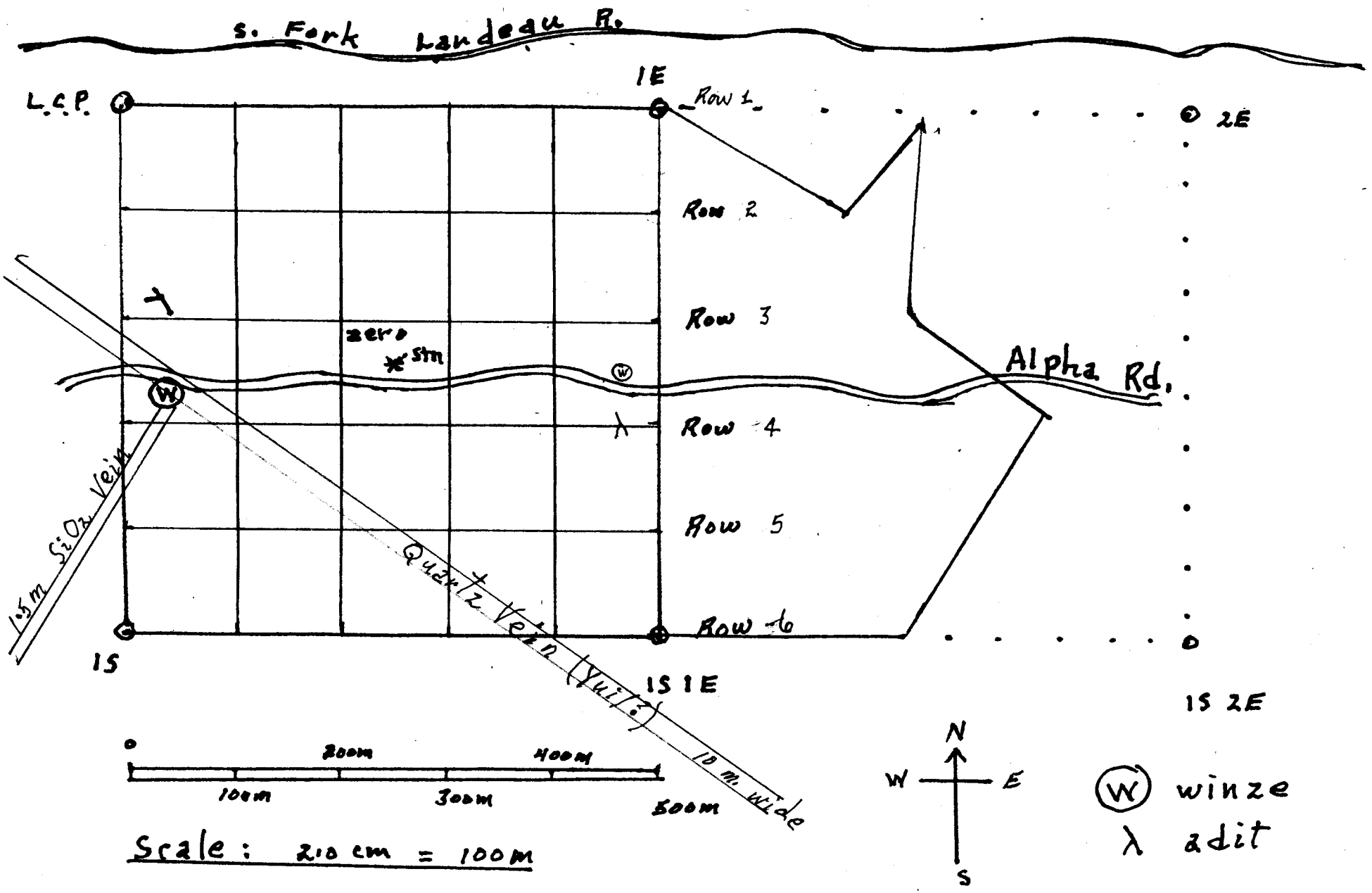
Scale:
1.0 cm = 500m

1000 500 0 1000 2000 3000 m.

1 .5 0 1 2 3 Km.

Silver Slipper Claim

M82K/11W



P7

REGIONAL GEOLOGY & PROPERTY GEOLOGY

The Silver Slipper (originally the Canadian Boy and the Pansboro) lies on the Silvercup anticline near mid-distance between the Nettie L. property and the Silvercup property.

In the Ferguson area, running approximately N.E. to S.W. lies the Silvercup anticline. The anticline is nearly parallel to the Cup Creek Fault. The axial plane of the anticline dips steeply to the northeast and the axis plunges at a low angle to the northwest.*

Rocks associated with the Silver Slipper Claim Area are those of the Sharon Creek Formation (Alpha Road crosses the main Silver Slipper claim near the winze and about a mile and a quarter eastward crosses Sharon Creek).

The Silvercup anticline has a grey quartzite dyke (Cromwell Dyke); grey to black siliceous argillite, and quartz veins _____ all running approximately N.W. to S.E. from the Nettie L. area to the Silvercup area.

The aforementioned Bulletin No. 45 by Fyles and Eastwood provides much more information and maps of this and surrounding areas.

OBJECTIVES OF THE PRESENT GEOPHYSICAL WORK

Grab samples of ore from the winze assayed 50-60% Pb; 75 oz/T Ag and .10 oz Au/T. We planned to use an S.P. detector to locate available anomalies and to soil sample areas of interest.

It should be noted that the winze is on a quartz vein about five feet (1.52 m) wide running near S.W. from the footwall of the large quartz vein (running N.W. to S.E.) from Nettie L. area to Silvercup area along the Silvercup anticline.

* This data and further data are taken mainly from Bulletin No. 45 by James T. Fyles and G.E.P. Eastwood.

S.P. Detector readings were taken every 50 m along Rows 3, 4, and 5. Alpha Road was used as Row 3. Zero Station was located mid-way on Row 3. Rows are 100 m apart.

On Row 3

50m	E of Zero Stn.	+ 14.8 mv.
100m		+108. mv.
150m		+202. mv.
200m		+352. mv.
250m		+390. mv.
50m	W of Zero Stn.	+224. mv.
100m		+722. mv.
150m		+433. mv.
200m		+280. mv.
250m		- 44. mv.

Reading from Zero Stn. to centre point on Row 4 = +332 mv.

On Row 4 (Base Stn. now moved to mid-point of Row 4).

50m	W of new Base Stn.	+493 mv.
100m		+422 mv.
150m		+344 mv.
200m		- 25 mv.
250m		-197 mv.
50m	E of same Base Stn.	-145 mv.
100m		-235 mv.
150m		-188 mv.
200m		- 40 mv.
250m		+260 mv.

Reading from mid-point of Row 4 to mid-point of Row 5 (new Zero Stn.) was +385 mv.

On Row 5 (with new Base Stn. at mid-point on Row 5).

50m	W of Row 5 mid-point	+550 mv.
100m		-490 mv.
150m		-551 mv.
200m		-515 mv.
250m		-383 mv.
50m	E of Row 5 mid-point	-150 mv.
100m		-190 mv.
150m		- 12 mv.
200m		- 20 mv.
250m		-155 mv.

TWELVE SOIL SAMPLES

Since analysis of the S-P detector results indicated an anomaly running from the winze due south (uphill on Silvercup Mt.), all the soil samples, taken from soil below the humus horizon, lie approximately due south of the winze in or on a series of gullies that occur there.

Soil sample location notes are as follows:

#1 100 ft. (30.5 m) due S. of winze at log-trail intersection.

#2 200 ft (61.0 m) east up logging road to hill crest.

#3 On main gulley about 250 ft. (76.2 m) S. of Alpha Road. This gulley is one immediately east of the winze gulley.

#4 Left bank of main gulley 60 m S. of #3.

#5 40 m S. of #4 at intersection of winze-gulley and logging road (on Row 3).

#6 Further 50 m S. up the Mt. in the gulley.

#7 Further 50 m S. up winze gulley.

#8 Move 35 m W. to a larger gulley. Sample taken.

#9 Moved 50 m N. (downhill) of #8 (large gulley here).

#10 Is 50 m N. (downhill) in large gulley (intersects a logging road).

#11 Is 50 m N. (downhill) between two splits in the gulley.

#12 Is 50 m N. (downhill) from #11. The split in the gulley rejoins at a logging road. #12 lies just above the winze near a logging road.

COMPANY: LARRY YORK — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 3
PROJECT NO: — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-886
ATTENTION: LARRY YORK — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:OCT 4, 1986

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
1	1.9	33670	1	31	161	5.7	4	1560	8.4	11	45	59570
2	1.0	29830	1	25	211	4.0	2	830	3.2	6	30	66210
3	1.0	15460	9	16	201	4.8	5	1370	4.2	8	45	41330
4	1.1	24600	1	23	251	4.5	3	3420	2.9	5	53	69060
5	.8	19730	10	19	208	5.0	4	860	4.5	6	34	50050
6	2.5	12800	1	15	141	3.6	2	350	2.1	4	24	42210
7	1.6	13620	7	14	165	4.0	4	610	2.0	5	31	44560
8	.7	14580	3	14	192	4.1	4	1030	3.3	6	40	45480
9	1.0	13060	1	13	119	3.6	2	380	2.9	4	22	63670
10	.7	20860	14	20	182	5.2	4	1030	4.0	9	38	56180
11	1.0	17570	24	18	212	6.2	5	910	3.9	7	40	54550
12	1.7	16850	29	18	205	5.9	5	2080	10.5	11	75	55680

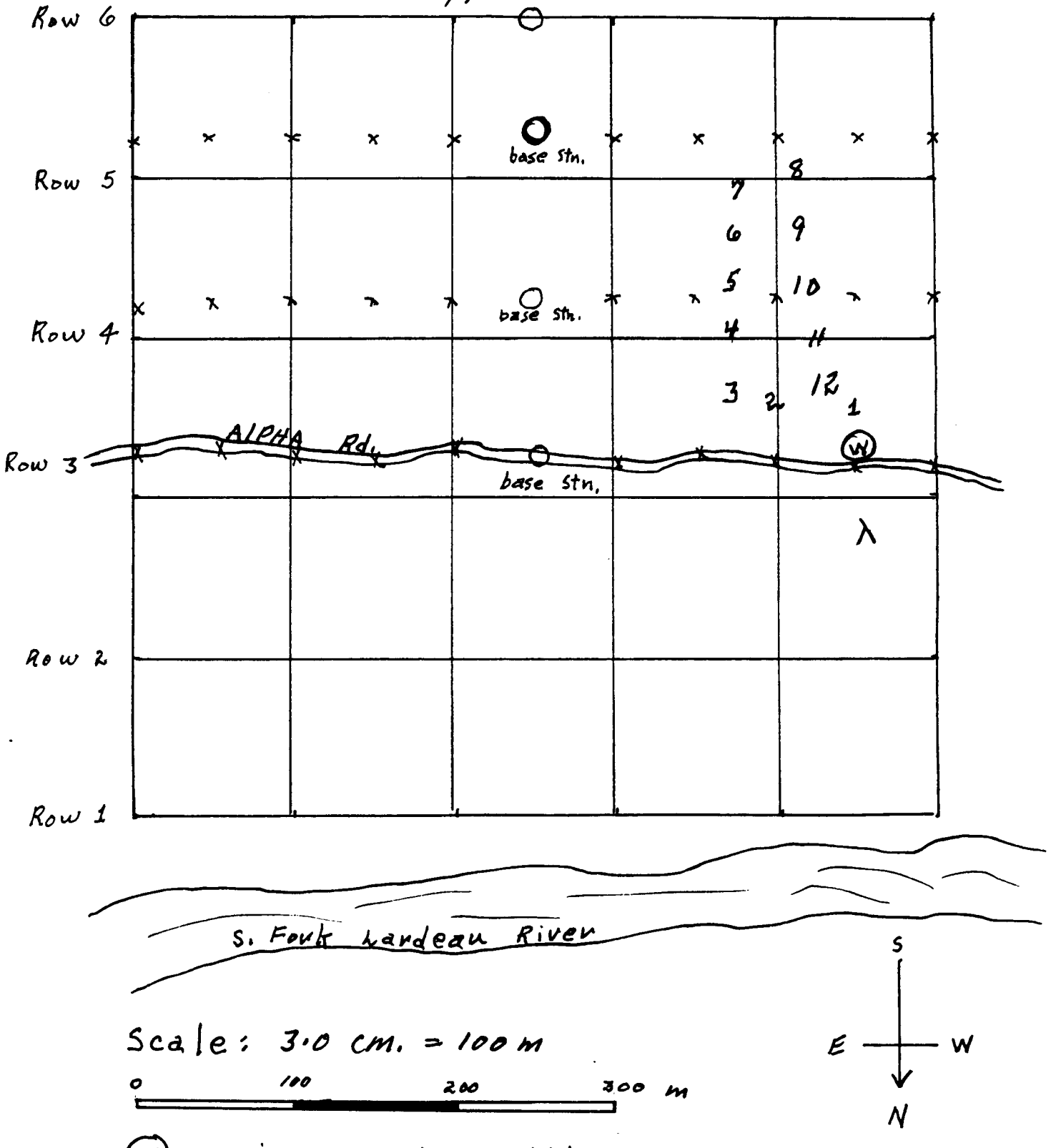
COMPANY: LARRY YORK — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 2 OF 3
PROJECT NO: — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-886
ATTENTION: LARRY YORK — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:OCT 4, 1986

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
1	540	11	3000	2492	8	40	25	2630	80	2	24	1
2	530	16	3080	200	7	80	18	1410	51	1	22	1
3	920	19	5050	605	8	30	33	2230	65	4	17	1
4	950	23	2570	310	6	90	28	1890	54	2	31	1
5	1340	23	6870	190	7	30	39	1010	62	3	20	1
6	910	11	3490	131	5	40	19	990	44	3	14	1
7	1300	13	4530	494	6	40	27	1220	44	3	14	1
8	1340	17	5290	268	5	30	31	1090	47	3	17	1
9	920	8	1830	355	5	70	9	2040	43	3	8	1
10	1440	29	7670	590	8	40	40	1080	66	4	22	1
11	930	22	5770	219	8	30	38	1390	73	5	20	1
12	1260	21	6860	504	7	30	114	1410	79	6	27	1

COMPANY: LARRY YORK — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 3 OF 3
PROJECT NO: — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-886
ATTENTION: LARRY YORK — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:OCT 4, 1986

(VALUES IN PPM)	U	V	ZN	AU-PPB
1	1	27.9	186	10
2	1	29.8	85	10
3	1	36.9	95	5
4	1	39.2	329	5
5	1	41.0	176	10
6	1	37.5	70	5
7	1	36.5	76	10
8	1	35.2	95	5
9	1	30.7	62	5
10	1	34.4	174	10
11	1	37.9	135	15
12	2	31.9	944	10

12 Soil sampling locations on the mountain side south of the winze and adit on the full-size unit of the Silver Slipper Claim.



Scale: 3.0 cm. = 100 m

0 100 200 300 m

(W) = winze λ = adit

× = pot location for S-P detector

CONCLUSION

Analysis of the S.P. detector readings indicates anomalous conditions along the gullies due S. of the winze.

Data from Emmens report of 1914 indicates high grade ore was obtained from the winze and drift on a 1.5 m vein lying approximately at right angles to the large vein that appears to run many miles through the formation from Silvercup area to Nettie L. area. Other data from Silvercup indicates strong ore shoots occuring periodically along the hanging wall of this large quartz vein (Parsboro ore would be such an occurence). Local opinion is that this large vein probably is a continuation of the vein known at the Silvercup as the Yuill vein.

Enlarging the existing adit and extending it some 20 m would enter the area of high s-p readings. Also the adit could drift on the 1.5 m vein if desired.

Branching onto the large vein and drifting could encounter ore shoots as in the Silvercup.

Map 82K/11W Detailed Costs

Silver Slipper Claim

Rec. Mos.

Min-En Lab. Assays, 12 Soil Samples 27 Trace Elem. & L.P.C. Au-wet.....	$ 154.20
2 men, 3 days each.....	600.00
Truck (and trailer) fuel, 1226 km plus ferries.....	175.00
Report preparation and typing.....	100.00
Total.....	$1,029.00