

84-988-12754

11/85

ASSESSMENT REPORT ON THE TOP- ERIC GROUP
OF MINERAL CLAIMS IN THE NELSON MINING DIVISION

GEOCHEMICAL REPORT

LOCATION: 1:50,000 N.T.S. 82F/6
L.C.P. (NE corner Eric): 49°22.6'N, 117°09.5'W
U.T.M.G. COORDINATES: 54 69200mN, 488500mE

OWNER: C.F. Graham
P.O. Box 910
Merritt, B.C.
VOK 2B0

OPERATOR: Arizako Mines Ltd.
812-475 Howe St.
Vancouver, B.C.
V6C 2B3

AUTHOR: R.A. Wells, (Geologist)

DATE: NOVEMBER, 1984.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,754

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THE TOP- ERIC GROUP

INTRODUCTION

The Top - Eric claims are owned by C.F. Graham of Merritt, B.C., and have as current operator, Arizako Mines Ltd. of Vancouver, B.C. The claims are located 15 kilometers southeast of Nelson, in the Nelson Mining Division. The claim group consists of 2 M.G.S. contiguous claims: totalling 27 units:

Top - 12 units, record number 3161(6)

Eric - 15 units, record number 3294(7)

Current access to the property is via the Clearwater Creek logging road: the turnoff is located 13 kilometers south of Nelson, B.C. along Highway 6 (Nelson -Salmo) or 500m south of the Whitewater ski-hill turnoff. The northeast edge of the property cuts the Clearwater Creek road at a distance of 5.5 kilometers from the Highway turn-off. There is no current access road on the property passable by vehicles. A road does exist which runs from the Ymir Creek Valley up Huckleberry Creek but is sloughed 3 kilometers south of the Top claim. The property lies between 3900 and 6900 feet elevation.

Vegetation over the claim area is variable ranging from post fire secondary growth, old logged cedar sections, occasional mature conifer stands to extensive huckleberry bush patches in the subalpine. The terrain typically consists of 20 - 30° slopes with sparse outcrop at lower elevations with a notable increase from about 5500 feet elevation.

The claim area lies within the Kootenay Arc, a north-southwesterly concave structural province representing a compressed suite of geosynclinal sedimentary and volcanic rocks locally intruded by phases of the Nelson Batholith. The actual property is largely underlain by Ymir Group

metasediments (particularly shaly varieties) which exhibit a predominantly northerly strike. Near the west boundary of the claims at the headwaters of Huckleberry Creek occurs a north trending contact with the Rossland Group Volcanics (lower Jurassic volcanics of the Elise formation - locally dark green augite porphyry predominates).

The following excerpt from G.S.C. Memoir 94 summarizes the known workings, geology, and mineralization on this claim group:

JENNIE BELL AND YMIR MINT (G.S.C. Memoir 94)

"Location and Development. The Jennie Bell and Ymir Mint claims are situated in a glacial basin on the east side of Elise mountain at the source of the North Fork of Wild Horse creek. The group includes five or six claims held by location. The upper workings are at an elevation of about 5,800 feet above sea-level. A rawhide trail connects the property with the North Fork wagon road. The Jennie Bell claim was located July 17, 1911, by Joseph Kileel and J.R. Bremner. They ran a short tunnel and prospect winze on the Jennie Bell vein in 1911 and developed some ore, carrying, it is said, \$100 to the ton in gold, silver, and lead. In 1912 a tunnel was commenced to tap the vein at a point 50 feet lower in elevation than the upper working. J.J. Hennessey, representing Martin Woldson of Spokane, Washington, took a bond on the property and had three men working in 1913. Work in the lower tunnel was commenced May 20, 1914, and by August 20 had proceeded 80 feet. There were 80 sacks of ore ready for shipment, said to average \$50 per ton. The gold values are higher than those of silver and lead."

"Geology. The vein in the upper tunnel strikes north 25 degrees west (magnetic) and dips to the southwest at an angle of 65 degrees. The adit tunnel on this vein is

25 feet long and has a prospect winze at the face (full of water in 1914). The vein varies from 1 foot to 2 feet in width and on the foot wall side, near the portal of the tunnel, the quartz appears to cut the schist whereas elsewhere it follows the planes of schistosity. In the face of the tunnel two veins of quartz are present with an intervening schist band. The ore shoot is reported to have a pitch of 30 degrees to the southwest whereas the schist dips at an angle of 65 degrees in the same direction. The foot-wall of the vein is a dark, greyish green schist, fine grained and pyritic; the hanging-wall is a more massive pyritic greenstone schist. Quartz ore with a very little pyrite (weighing $3\frac{1}{2}$ ounces from a sack of ore) was assayed by the Mines Branch and found to contain 0.28 ounce in gold and 142.8 ounces in silver per ton."

" The lower tunnel commences as a crosscut in a greenstone schist and continues as such for 145 feet. The bearing of the crosscut is south 73 degrees west (magnetic) for 66 feet, then south 78 degrees west for 55 feet, and north 50 degrees west for the remaining 25 feet. The Jennie Bell vein was encountered for only a few feet. At 146 feet from the portal a water course and schist ore zone were encountered and drifted on for 45 feet. The strike of this shear zone, thought to be the northern extension of the Ymir Mint vein which is exposed on the opposite side of the Jennie Bell basin, is north 8 degrees west (magnetic) and the dip vertical. The working then swings to a bearing of north 50 degrees east, crosscuts more massive greenstone for 36 feet, meets the Jennie Bell vein and follows the latter for 108 feet. The vein, where first encountered, is 6 inches in width and lies between schist walls. The strike of the vein on this level corresponds with that of the schist viz., from north 30 degrees west to north 20 degrees west; the dip varies

from 40 to 50 degrees southwesterly. A quartz vein 2 inches wide is exposed in the face between walls of fine-grained, greenstone schist belonging to the Rossland Volcanic group."

In an effort to locate old workings and to explore for other veins containing Au, Ag, Pb, Zn one traverse was made to the area of the known workings and 2 other areas on the claim group were tested by soil geochemistry. The 143 soils collected were shipped to be analysed for the elements lead and zinc.

DETAILED TECHNICAL DATA AND INTERPRETATION

During the month of September 1984, the author and 2 assistants traversed to the areas sampled. In addition to coordinating soil sampling activities the author prospected and recorded information in the areas traversed. The results of field investigations for each of the 3 areas will be discussed in turn.

Area 1 - Ymir Mint Workings

The time consuming traverse required to reach the area of the workings limited evaluation time. The route up the north side of Huckleberry Creek was an attempt to encounter the old Jennie Bell workings. Dense brush obscured the workings so 2 short flagged soil lines were established in an attempt to locate the mineralized structure.

The sampling procedure consisted of excavating a hole generally 20-30cm in depth with a digging tool, well in the B-horizon and collecting 100 - 200 grams of soil which in each case was stored in appropriately labelled standard brown paper soil bags. All samples were shipped to Kamloops Research and Assay for Pb/Zn analyses.

The results of the 22 soils collected on the ridge top indicate 2 strong Pb anomalies (up to 6X background) which

likely define a mineralized structure which may be the Jennie Bell.

The author located and sampled the Ymir Mint drift portal. This north trending vein contains significant Pb/Ag values with erratic but notable Zn/Au values (see rock assays for samples A and B plotted on Figure 3). Two short flagged soil lines were established to attempt to trace the Ymir Mint vein. Results define some anomalous Pb values up to 3x estimated background. In general Zn values are too subtle to contribute as an effective tracing element.

CONCLUSIONS AND RECOMMENDATIONS

The results of the above activities suggest that the Ymir Mint Vein is narrow where observed but the excellent precious metal values render it worthy of further exploration. The soil geochemistry, particularly Pb, define anomalies which warrant follow-up prospecting and trenching. Emphasis should be placed on locating and assessing the old Jennie Bell workings. Further soil geochemistry can be applied based on the results of the follow-up to this 1984 survey. If sufficiently encouraged an access road to the headwaters of Huckleberry Creek is recommended.

Area 2 - East side of Top Claim

This overburdened area was soil sampled by two 500 meter flagged north lines (25 meter sample sites). The Pb/Zn results of the 42 soils indicate several Pb values of about 2x background. These values are not outstanding but should be checked out by prospecting and hand-trenching to define their cause. In general the Zn values are not significant.

Area 3 - East side of Eric Claim

To explore for possible mineralized structures in this area a traverse was run on contour to the north, then down-slope or east. The 57 soils collected along the flagged traverse line were analysed for Pb/Zn.

The results of the survey define 2 areas of interest (refer to Figure 3). The first consists of 3 consecutive anomalies with Pb values 2 - 3x background and coincident zinc to 410ppm. These sites should be prospected and hand-trenched to define their cause. The second area of interest coincides with rock chip sample "C" which consists of a 100 cm quartz vein which assayed 2.75% Zn. This occurrence should be re-checked since the author did not notice sphalerite in the collected sample. The site should be traced on surface by prospecting and hand-trenching locally. If the initial follow-up is encouraging, detailed soil geochemistry could be implemented to further trace the vein.

AUTHOR'S CERTIFICATE

I, Raymond A. Wells, of Merritt, British Columbia, do hereby certify that:

1. I am a geologist employed by Scope Exploration Services Ltd., P.O. Box 1101, Merritt, British Columbia.
2. I am a graduate of the University of British Columbia with a B.Sc. Degree in Geology (1976).
3. I have practised my profession since graduation. My previous employers include Trigg, Woollett and Associates of Edmonton, Pan Ocean Oil Ltd., of Calgary, and Cordilleran Engineering of Vancouver.
4. Recent clients include London Silver Corporation of Vancouver, Lawrence Mining Corporation and Goldrich Resources Inc. of Vancouver, B.C.
5. This assessment report is based on research and field activities conducted during 1984.

Respectfully submitted,

R. A. Wells

Raymond A. Wells,

November, 1984.

STATEMENT OF QUALIFICATIONS

I, Rick Mitchell, have been employed in exploration field work for 5 years. During this time I have gained extensive experience in geochemical techniques and grid preparation under the direction of seasoned field personnel.

Rick Mitchell

Rick Mitchell

STATEMENT OF QUALIFICATIONS

I, Fred Klages, have been employed in exploration field work for 12 years. During this time I have gained extensive experience in geochemical techniques and grid preparation under the direction of seasoned field personnel.

A handwritten signature in cursive script that reads "Fred Klages". The signature is fluid and somewhat stylized, with the first letters of "Fred" and "Klages" being larger and more prominent.

Fred Klages.

APPENDIX 1

#1

FILE NO G-1192

KRAL NO. IDENTIFICATION PB ZN

71	0+75E L75	22.0	69.0
72	1+00E	23.0	195.0
73	1+25E	29.0	1410.0
74	1+50E	29.0	197.0
75	1+75E	20.0	99.0
76	2+00E	43.0	485.0
77	2+25E	18.0	208.0
78	2+50E	19.0	126.0

END OF CENTENNIAL SOIL

TOP

79	0+00 TOPS L1+00E	46.0	140.0
80	0+255	10.0	109.0
81	0+505	43.0	139.0
82	0+755	200.0	167.0
83	1+005	185.0	119.0
84	1+255	26.0	143.0
85	1+505	37.0	106.0
86	1+755	23.0	107.0
87	2+005	32.0	99.0
88	2+255	30.0	69.0
89	2+505	27.0	61.0
90	0+00 L3+00E	23.0	159.0
91	0+255	16.0	120.0
92	0+505	30.0	145.0
93	0+755	21.0	133.0
94	1+005	24.0	130.0
95	1+255	20.0	137.0
96	1+505	19.0	139.0
97	1+755	48.0	135.0
98	2+005	73.0	137.0
99	2+255	44.0	98.0
100	2+505	31.0	125.0

TOP CLAIM
SOILS

FOURTH OF JULY
NEW VICTOR

101	0+00 NV L0+00	72.0	137.0
102	0+25W	29.0	113.0
103	0+50W	46.0	122.0
104	0+75W	70.0	160.0
105	1+00W	31.0	203.0
106	0+00 L1	36.0	140.0
107	0+25W	76.0	172.0
108	0+50W	32.0	149.0
109	0+75W	34.0	114.0
110	1+00W	36.0	151.0

KANLOOPS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
311	1+00N L4	15.0	52.0
312	1+25N	13.0	61.0
313	1+50N	15.0	54.0
314	1+75N	13.0	137.0
315	2+00N L4	15.0	72.0
316	2+25N	9.0	57.0
317	2+50N	20.0	86.0
318	0+00 L5	22.0	72.0
319	0+25N	14.0	79.0
320	0+50N	16.0	66.0
321	0+75N	17.0	75.0
322	1+00N L5	12.0	44.0
323	1+25N	14.0	61.0
324	1+50N	11.0	77.0
325	1+75N	12.0	66.0
326	2+00N L5	10.0	42.0
327	2+25N	9.0	58.0
328	2+50N	10.0	73.0
329	0+00 L1 ERIC	31.0	157.0
330	0+25N	27.0	127.0
331	0+50N	28.0	112.0
332	0+75N	16.0	97.0
333	1+00N L1	18.0	122.0
334	1+25N	35.0	66.0
335	1+50N	19.0	136.0
336	1+75N	20.0	122.0
337	2+00N L1	21.0	142.0
338	2+25N	33.0	66.0
339	2+50N	109.0	410.0
340	2+75N	71.0	326.0
341	3+00N L1	74.0	323.0
342	3+25N	33.0	129.0
343	3+50N	31.0	60.0
344	3+75N	19.0	118.0
345	4+00N L1	18.0	87.0
346	4+25N	18.0	102.0
347	4+50N	12.0	144.0
348	4+75N	19.0	98.0
349	5+00N L1	26.0	60.0
350	5+25N	28.0	83.0

END OF U.G.

TOP-ERIC SOILS

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GEOCHEMICAL LAB REPORT

TOP-ERIC SOILS

FILE NO G-1192

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KRAL NO.	IDENTIFICATION	PB	ZN
351	5+50N	16.0	113.0
352	5+75N	14.0	87.0
353	6+00N L1	20.0	96.0
354	6+25N	18.0	74.0
355	6+50N	32.0	92.0
356	6+75N	12.0	182.0
357	7+00N L1	10.0	143.0
358	7+25N	22.0	142.0
359	7+50N	14.0	150.0
360	7+75N	11.0	151.0
361	8+00N L1	11.0	146.0
362	8+25N	8.0	119.0
363	8+50N	76.0	174.0
364	8+75N	18.0	116.0
365	9+00N L1	19.0	150.0
366	9+25N	20.0	175.0
367	9+50N	14.0	148.0
368	9+75N	32.0	284.0
369	10+00N L1	19.0	198.0
370	0+25E L10	10.0	126.0
371	0+50E	31.0	222.0
372	0+75E	28.0	180.0
373	1+00E L10	21.0	141.0
374	1+25E	27.0	116.0
375	1+50E	31.0	143.0
376	1+75E	37.0	117.0
377	2+00E L10	51.0	190.0
378	2+25E	39.0	163.0
379	2+50E	24.0	126.0
380	2+75E	20.0	96.0
381	3+00E L10	42.0	122.0
382	3+25E	27.0	123.0
383	3+50E	36.0	55.0
384	3+75E	39.0	40.0
385	4+00E L10	29.0	102.0
386	0+00 L0E TOP	34.0	82.0
387	0+25S	35.0	110.0
388	0+50S	23.0	99.0
389	0+75S	52.0	114.0
390	1+00S L0E	23.0	100.0

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GEOCHEMICAL LAB REPORT

TOP-ERIC SOILS

FILE NO G-1192

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KRAL NO.	IDENTIFICATION	PB	ZN
391	1+255	42.0	87.0
392	1+505	20.0	84.0
393	1+755	18.0	102.0
394	2+005 L0E	22.0	92.0
395	2+255	19.0	111.0
396	2+505	26.0	95.0
397	0+00 L1E	30.0	79.0
398	0+25N	29.0	128.0
399	0+50N	64.0	105.0
400	0+75N	33.0	93.0
401	1+00N L1E	31.0	90.0
402	1+25N	30.0	95.0
403	1+50N	30.0	93.0
404	1+75N	26.0	73.0
405	2+00N L1E	41.0	142.0
406	2+25N	59.0	80.0
407	2+50N	24.0	91.0
408	2+75N	30.0	63.0
409	3+00N L1E	30.0	67.0
410	3+25N	30.0	33.0
411	3+50N	54.0	54.0
412	3+75N	29.0	63.0
413	4+00N L1E	37.0	41.0
414	4+25N	22.0	43.0
415	4+50N	21.0	14.0
416	4+75N	34.0	64.0
417	0+00N L1E	27.0	28.0
418	0+00 L2E	26.0	159.0
419	0+25N	42.0	165.0
420	0+50N	59.0	178.0
421	0+75N	33.0	367.0
422	1+00N L2E	69.0	273.0
423	1+25N	30.0	310.0
424	1+50N	30.0	129.0
425	1+75N	21.0	93.0
426	2+00N L2E	29.0	106.0
427	2+25N	25.0	69.0
428	2+50N	24.0	61.0
429	2+75N	19.0	55.0
430	3+00N L2E	17.0	35.0

KANLOOFS RESEARCH & ASSAY LABORATORY LTD.
GEOCHEMICAL LAB REPORT

FILE NO G-1192

KRAL NO.	IDENTIFICATION	PB	ZN
431	3+25N	28.0	38.0
432	3+50N	18.0	26.0
433	3+75N	25.0	32.0
434	4+00N L2E	24.0	34.0
435	4+25N	42.0	23.0
436	4+50N	14.0	26.0
437	4+75N	20.0	34.0
438	5+00N L2E	17.0	36.0
439	0+00 L4	51.0	135.0
440	0+25E	29.0	109.0
441	0+50E	24.0	102.0
442	0+75E	67.0	121.0
443	1+00E L4	60.0	122.0
444	1+25E	38.0	128.0
445	1+50E	31.0	145.0
446	1+75E	39.0	159.0
447	2+00E L4	86.0	203.0
448	2+25E	53.0	158.0
449	2+50E	53.0	106.0
217	2+505 L1E BEAR	32.0	90.0
218	2+755	27.0	67.0
219	3+005 L1E	26.0	83.0
220	3+255	23.0	42.0
221	3+505	19.0	61.0
222	3+755	14.0	42.0
223	4+005 L1E	35.0	66.0
224	4+255	31.0	43.0
225	4+505	35.0	75.0
226	4+755	18.0	66.0
227	5+005 L1E	20.0	46.0
228	0+00 L0	11.0	67.0
229	0+255	20.0	80.0
230	0+505	22.0	84.0
231	0+755	19.0	100.0
232	1+005 L0	99.0	272.0
233	1+255	20.0	63.0
234	1+505	45.0	71.0
235	1+755	21.0	82.0
236	2+005 L0	19.0	77.0
237	2+255	29.0	82.0

End of TOP-ERIC SOILS

HALL CREEK GROUP
BEAR CLAIM

Pb-Zn METHOD -80 MESH HOT ACID EXTRACTION
ATOMIC ABSORPTION

APPENDIX 2

DETAILED COST ESTIMATE

GEOLOGIST

2 days field work @ \$225./day
1 day mobilization/demobilization
1.5 days report preparation \$1,012.50

ASSISTANTS

2 men - 3 days @ \$120./day \$720.00

FOOD & ACCOMODATION

3 days - 3 men @ \$45./man day \$405.00

FOUR-WHEEL DRIVE RENTAL & FUEL

3 days @ \$75./day \$225.00

KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

Soil preparation @ \$0.70/soil
Lead analysis @ \$1.90/soil
Zinc analysis @ \$0.90/soil
100 soils @ \$3.50 per soil \$350.00

TYPING AND SUPPLIES

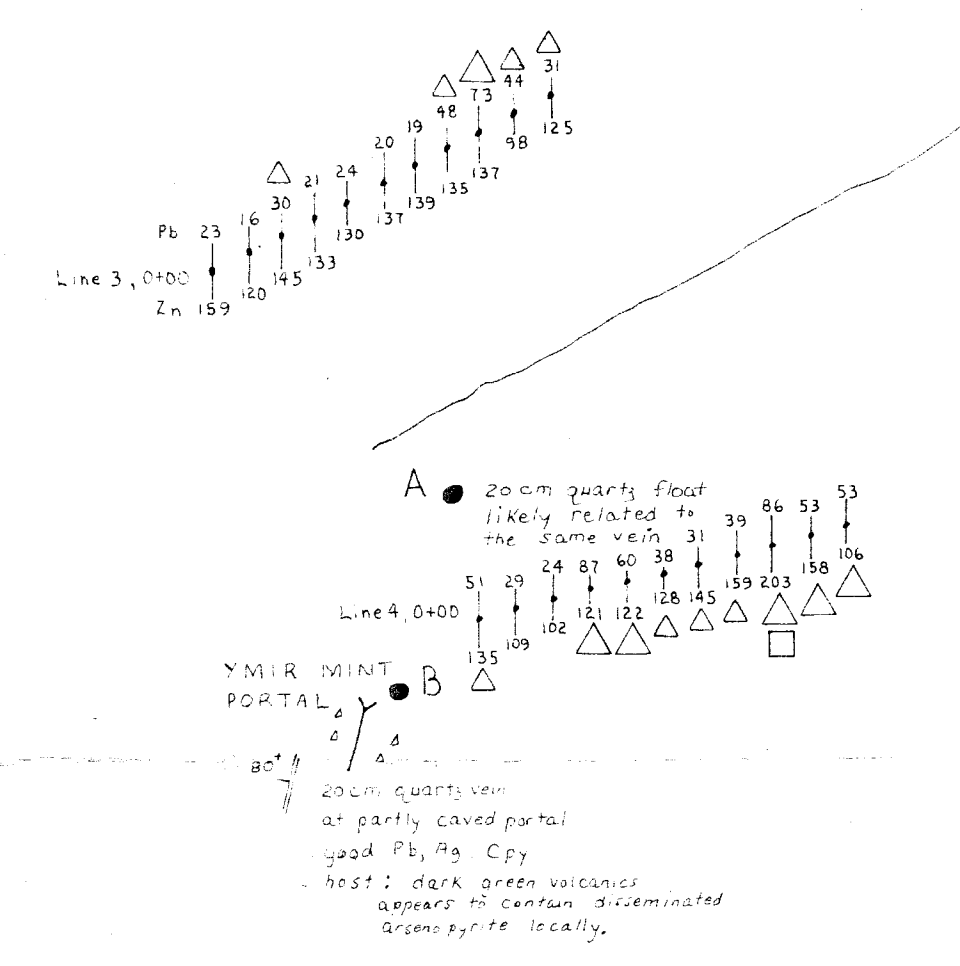
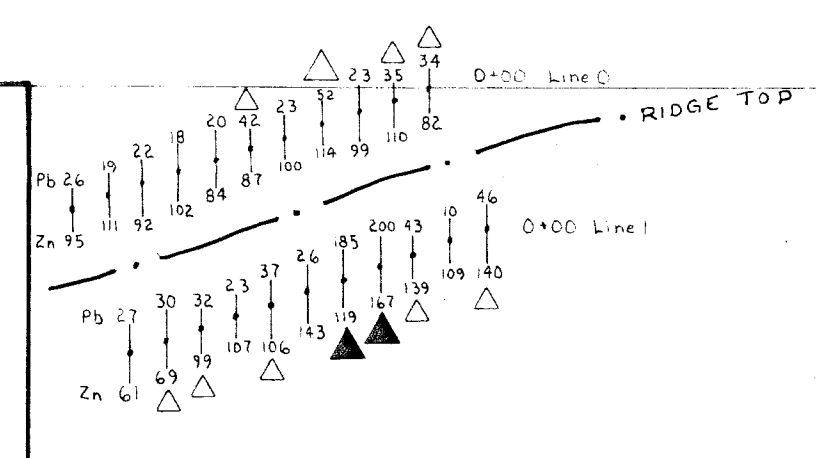
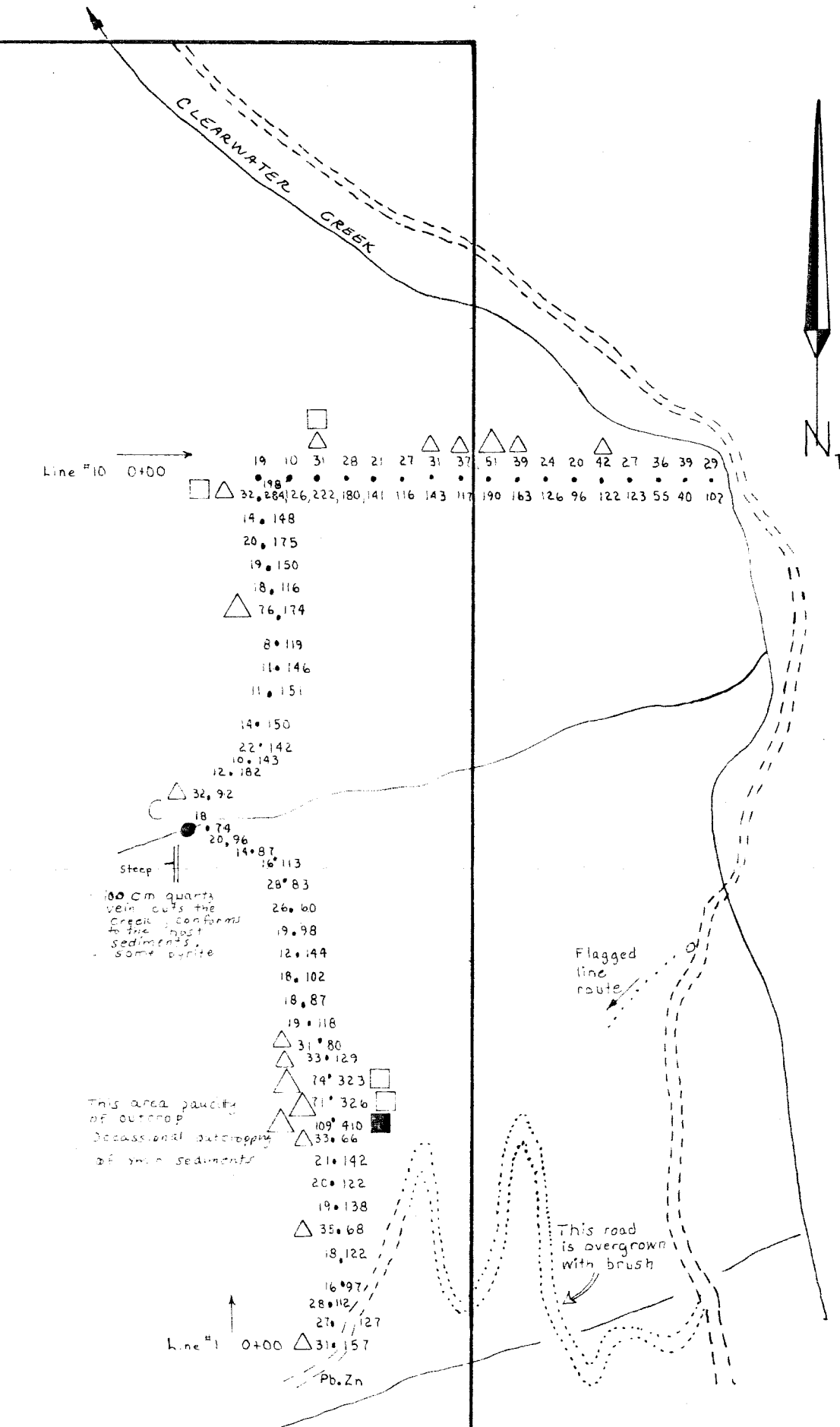
\$100.00

TOTAL

\$2,812.50

(NOTE: AMOUNT TO BE APPLIED FOR ASSESSMENT IS \$2,700.00)

TOP ERIC GROUP — SOIL GEOCHEMISTRY 1984



ERIC 3294 (7)
 TOP 3161 (6)

Pb	Zn	Pb	Zn
27 28	17 36	34 64	20 34
21 14	14 24	22 43	42 23
31 41	24 34	25 63	25 32
54 54	18 26	30 33	28 38
30 67	17 35	30 63	19 55
59 80	25 89	24 91	24 61
41 142	25 106	26 73	21 93
30 93	30 129	30 95	30 310
31 90	69 273	33 93	33 367
40 105	59 178		

GEOLOGICAL BRANCH ASSESSMENT REPORT

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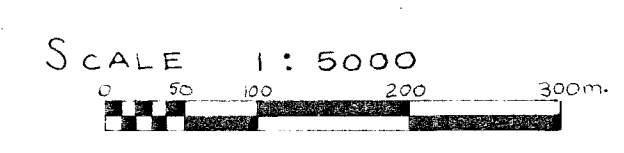
Pb/Zn in ppm (parts per million) sample spacing (25 meters)

ROCK ASSAYS

A	Au	56 Oz/Ton
	Ag	39.1 Oz/Ton
	Pb	9.71 %
	Zn	3.85 %
B	Au	660 Oz/Ton
	Ag	35.6 Oz/Ton
	Pb	1.36 %
	Zn	.16 %
C	Au	0.01 Oz/Ton
	Ag	.14 Oz/Ton
	Pb	.02 %
	Zn	2.75 %

Pb	Zn
△ 30-49 ppm	□ 200-399 ppm
▲ 50-99 ppm	■ ≥ 400 ppm
▲ ≥ 100 ppm	

ARIZAKO MINES LTD.
 TOP ERIC GROUP
 SOIL GEOCHEMISTRY

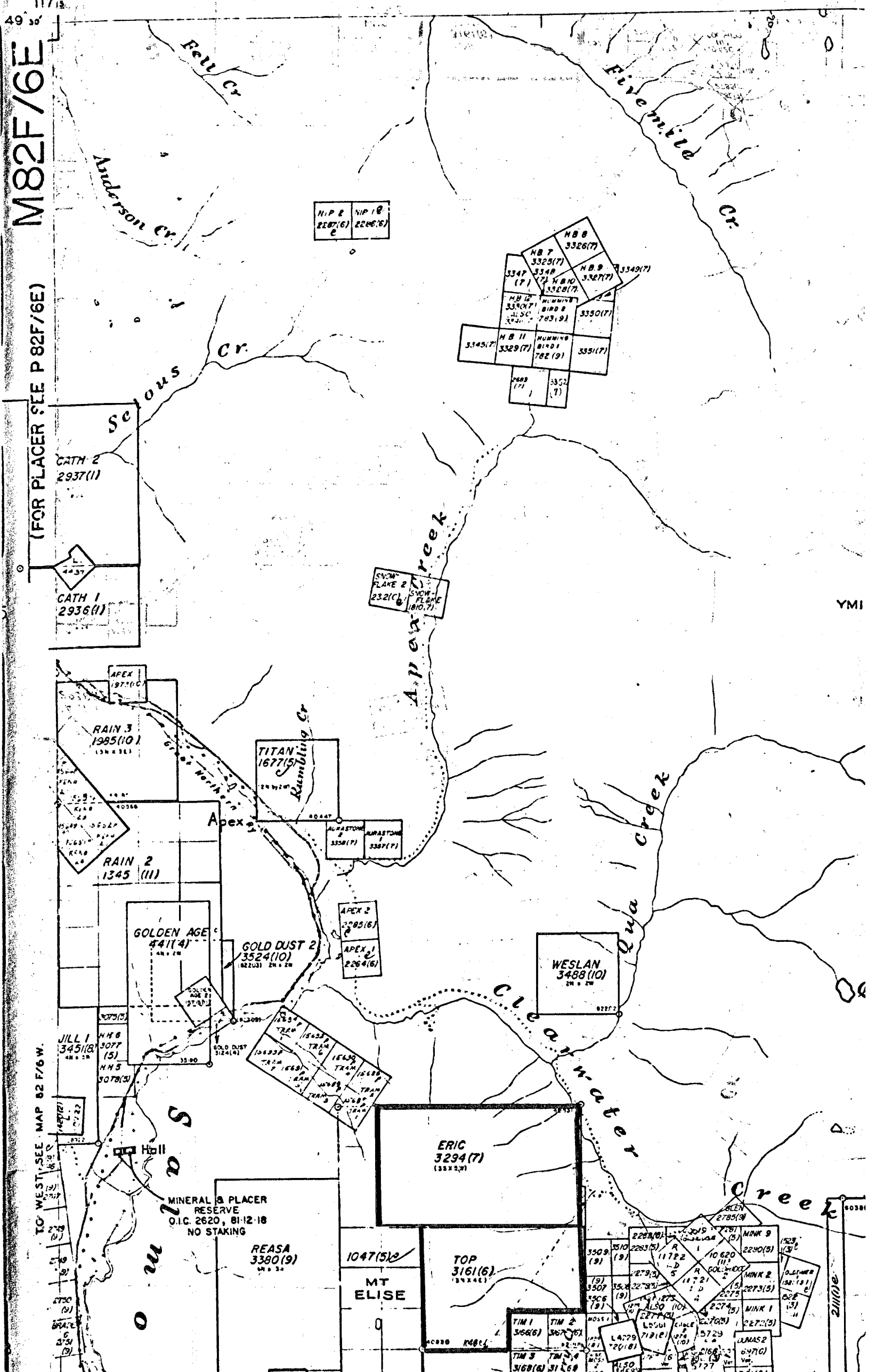


November 1984 FIGURE 3. RAW

M82F/6E

(FOR PLACER SEE P 82F/6E)

TO WEST SEE MAP 82 F/6 W.



N.P. 2 2287(6)	N.P. 18 2286(6)
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HB 7 3325(7)	HB 8 3326(7)
HB 9 3327(7)	HB 10 3328(7)
HB 11 3329(7)	HB 12 3330(7)
HB 13 3331(7)	HB 14 3332(7)

SNOW-FLAKE 2 232(C)	SNOW-FLAKE 180(7)
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CATH 2
2937(11)

CATH 1
2936(11)

APEX
197(10)

RAIN 3
1985(10)

RAIN 2
1345 (11)

GOLDEN AGE
441(4)

GOLD DUST 2
3524(10)

APEX 2
2285(6)

APEX 1
2284(6)

WESLAN
3488(10)

ERIC
3294(7)

REASA
3380(9)

MT
ELISE

TOP
3161(6)

TIM 1
366(6)

TIM 2
367(6)

TIM 3
368(6)

TIM 4
369(6)

TIM 5
370(6)

TIM 6
371(6)

TIM 7
372(6)

JILL 1
3451(8)

HH 6
3077 (5)

HH 5
3078(5)

MINERAL & PLACER
RESERVE
O.I.C. 2620, 81-12-18
NO STAKING

MONK 9
2280(5)

MONK 2
2273(5)

MONK 1
2272(5)

MONK 8
2279(5)

MONK 7
2278(5)

MONK 6
2277(5)

MONK 5
2276(5)

MONK 4
2275(5)

MONK 3
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MONK 2
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MONK 1
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MONK 0
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