

86-220-14760

05/87

GEOCHEMICAL REPORT
ON THE TOP, ERIC GROUP
NELSON MINING DIVISION, B.C.

Latitude: 49°22'N
Longitude: 117°10'W

NTS 82F-6E

Located Mineral Claims: Top(12 units), Eric(15 units)

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,760

Owner/Operator: Goldrich Resources Inc.
Vancouver, B.C.

Author: B. H. Meyer, P. Geol.

Date Submitted: November 6, 1985

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GEOCHEMICAL REPORT
ON THE TOP ERIC GROUP
NELSON MINING DIVISION, B.C.

SUMMARY

The east half of the property is underlain by Lower Jurassic(?) and Triassic sediments of the Ymir Group, which consist of argillite, slate, argillaceous quartzite, and minor limestone and shale. Underlying the west half of the property, and conformably overlying the sediments are Lower Jurassic volcanics of the Elise Formation. Andesite and basalt flows and flow breccia, and agglomerate and andesite porphyry comprise this extrusive unit. Structurally, the geologic trend is north-south, with bedding and/or foliation dipping steeply west.

Results of the soil geochemistry survey reveal 2 significantly high silver anomalies, although both are isolated and consist of only one sample location. A larger anomaly with smaller concentrations is situated near the south end of the property, and has a length of 250 meters.

Non-significant zinc anomalies were interpreted from the survey. Gold and lead concentrations are low, and anomalous values were considered non-significant.

Further exploratory work consisting of prospecting, geochemistry and geophysics has been recommended.



BRITISH COLUMBIA

MINING DIVISIONS

Gold Commissioner's office—●

INDEX MAP

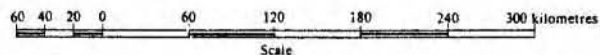
Figure 1

TOP ERIC GROUP

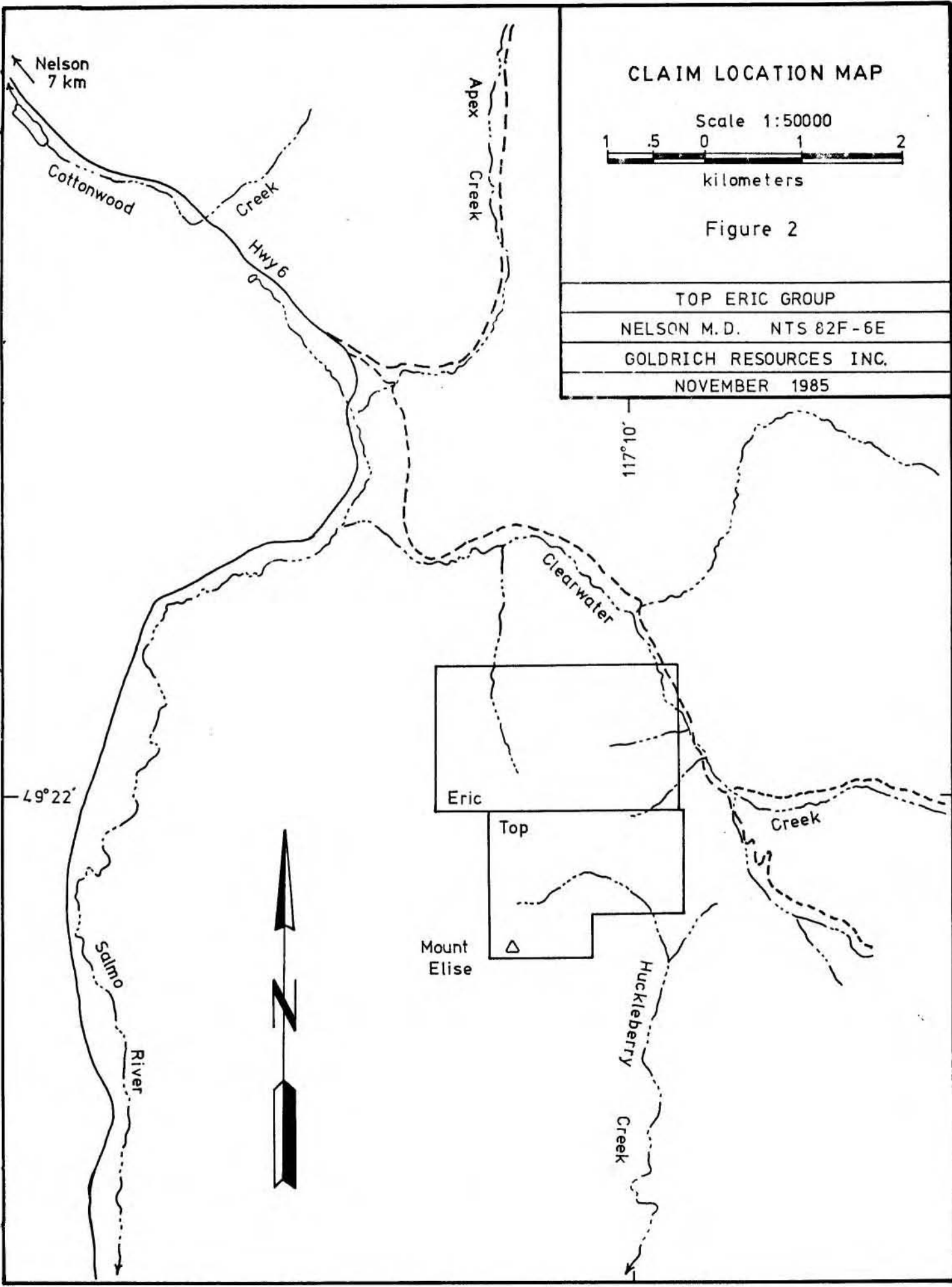
NELSON M.D. NTS 82F-6E

GOLDRICH RESOURCES INC.

NOVEMBER 1985



TOP ERIC GROUP



CLAIM LOCATION MAP

Scale 1:50000



kilometers

Figure 2

TOP ERIC GROUP
NELSON M.D. NTS 82F-6E
GOLDRICH RESOURCES INC.
NOVEMBER 1985

Nelson
7 km

Cottonwood
Creek

Creek

Hwy 6

Apex
Creek

117°10'

Clearwater
Creek

Eric

Top

Creek

49°22'

Mount
Elise



Huckleberry
Creek

Salmo
River



INTRODUCTION

An exploration program was conducted on the Top Eric Group in September of 1985. The program consisted of geochemical soil sampling.

Location and Access (Latitude 49° 22' N Longitude 117° 10' W)

The property is situated in the Nelson Range of the Selkirk Mountains, 15 kilometers southeast of the city of Nelson. It is in the Nelson Mining Division, within map area 32F-6E of the National Topographic System.

The Top Eric Group is located along the divide separating Huckleberry and Clearwater Creeks and also occupies the north and northeastern slopes of Mount Elise. The elevation of the property ranges from 3800 feet (1160 m.) at Clearwater Creek to 6900 feet (2100 m.) near the summit of Mount Elise. Access to the property is gained by following Hwy #6 for 11 kilometers south of Nelson to the Clearwater Creek forestry road. The forestry road, which is accessible by 2-wheel drive vehicle, is then followed for 6 kilometers along Clearwater Creek to the edge of the property. Accessibility within the property area is by foot only, as a network of old logging roads are now overgrown.

The topography of the area consists of steep north and northeast slopes below 6500 feet (1980 m.) elevation. Above this elevation, the topography becomes more gentle. A thick cover of glacial drift is common, with very few bedrock exposures, except along the small creeks which drain the property. The north and east flowing creeks run into Clearwater creek, and the south flowing creeks into Ymir Creek.

Vegetation consists of a mature cedar and hemlock forest, with a thick growth of buck brush and slide alder along the steep banks of creeks. The lower elevations of the property area have been logged out. The climate is cool temperate, with an average annual precipitation of 60 to 80 centimeters. There is a heavy accumulation of snow in the winter months.

Property and Ownership

The Top Eric Group consists of the following located mineral claims, which are 100 percent owned by Goldrich Resources Inc. of Vancouver, B.C.:

<u>Located Mineral Claim</u>	<u>Record Number</u>	<u>Hectares</u>	<u>Expiry Date</u>
Top (12 units)	3161	300	June 20, 1986
Eric (15 units)	3294	375	July 11, 1986

History

The property is situated within the former gold producing Ymir camp. The area first received attention by prospectors in 1895, after the completion of the Nelson and Fort Sheppard railway. Mining activity was at a peak from 1896 to 1916, in which gold-silver-lead-zinc bearing quartz veins were mined. Amalgamation mills were operating at some of the mine sites, with concentrates being shipped to Trail and Nelson.

The Jennie Bell and Ymir Mint workings are situated within the property near the headwaters of Huckleberry Creek. These claims were first located by J. Kileel and J. Bremner in 1911. A pyrite-bearing quartz vein was worked from 2 tunnels between 1911 and 1916. A total of 16 tons of ore was shipped during this period, in which the reported value per ton was \$70. The property has remained relatively inactive since then.

Present Activity

A total of 2 days was spent conducting a soil geochemical exploration program on the property on September 29th and 30th, 1985. The work crew consisted of 2 men.

A reference grid was established, and consists of 4 flagged lines running due north-south, each spaced 200 meters apart. The lines (T0W, T1W, T2W, T3W) start at the north boundary of the Eric claim and extend 2500 meters south to the proximity of Huckleberry Creek. The eastern-

Present Activity Cont'd

most line, TOW, is situated 115 meters west of the east boundary of the Eric claim. Soil sample stations are located at 50 meter intervals and are labelled 0+00S, 0+50S, 1+00S...25+00S. A total of 204 samples were collected.

The purpose of the program was to explore, by geochemical methods, the east half of the property for evidence indicating the presence of metallic mineralization within the near surface bedrock.

GEOLOGY

The Top Eric Group is situated structurally with the Kootenay Arc, which is a belt of highly deformed volcanic and sedimentary rocks extending from the Revelstoke area southwards along Kootenay Lake, and southwest into the United States. This suite of miogeosynclinal rocks has been intruded by acidic intrusives of the Nelson plutonic series.

Locally, the east half of the claim area is underlain by Lower Jurassic(?) and Triassic Ymir Group sediments. The sediments consist of argillite, slate, argillaceous quartzite, and minor limestone and shale.

Underlying the west half of the property, and conformably overlying the Ymir Group sediments, are Lower Jurassic volcanics of the Elise Formation. Lithologic members of this unit consist of andesite and basalt flows and flow breccia, and agglomerate, and augite porphyry. The volcanics occasionally display a schistose character.

Satelite bodies of Lower Cretaceous(?) Nelson Plutonic Series may intrude the sediments and volcanics. The intrusives are commonly granit or granodiorite.

Structurally, the regional geologic trend is north-south, with bedding and/or foliation planes dipping steeply to the west.

The geology of the Jennie Bell mine consists of an auriferous pyrite-

Geology Cont'd

bearing quartz vein striking north 25° west and dipping 65° southwest. Vein width varies from a few inches up to 2 feet. The vein generally trends subparallel to the schistosity of the schistose andesite wall rock. An ore shoot within the vein has a pitch of 30° northwest. A recorded assay from this vein contained 0.28 oz/ton gold and 142.8 oz/ton silver (Drysdale, 1917).

GEOCHEMISTRY

A total of 204 soil samples were collected during the survey. Figure 3 shows labelled sample locations, with silver and zinc values plotted, using a 1:5000 scale map.

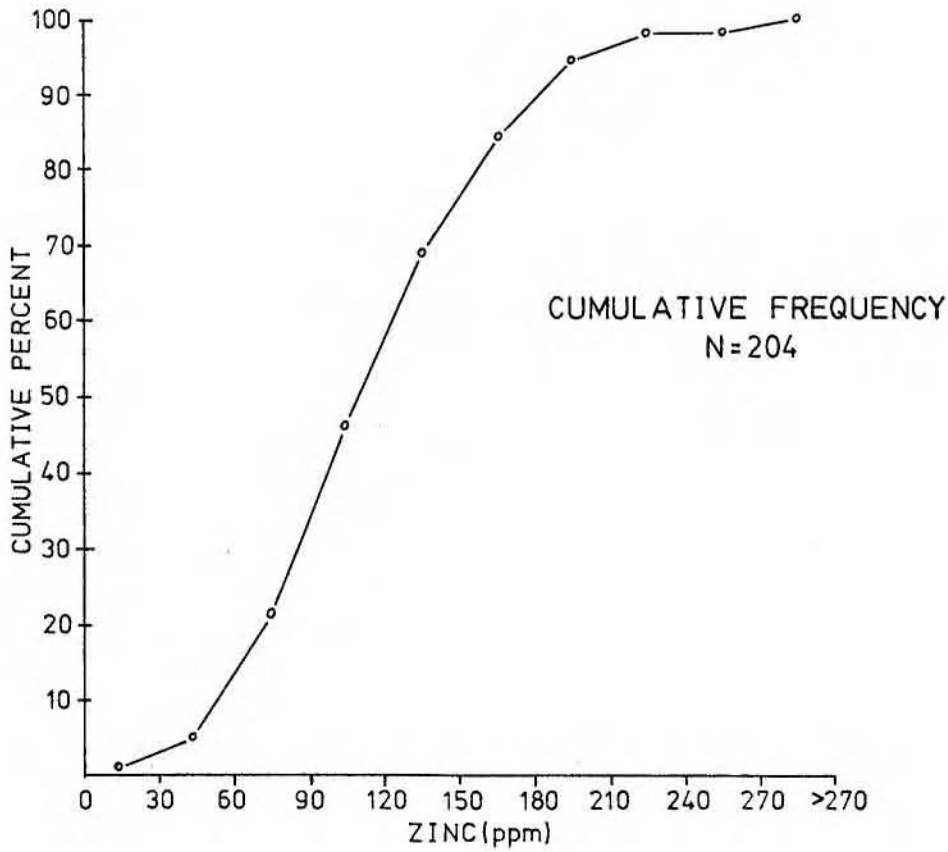
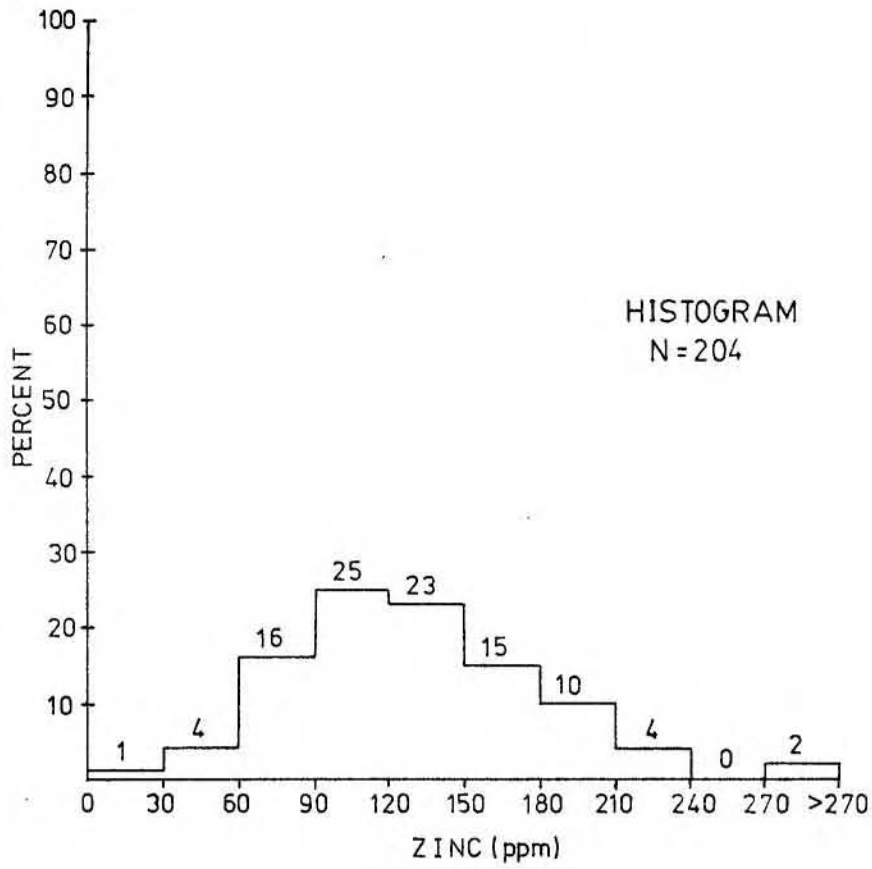
All soil samples were analyzed by Vangeochem Lab Ltd. of Vancouver, B.C. for multi-element abundances and gold content. The detection method used was a hot acid extraction and ICAP (induction couple argon plasma) emission spectrometry, with values recorded in parts per million or percentage. The gold detection method was by atomic absorption spectrometry, with values recorded in parts per billion. The particle size fraction used for analysis was minus 80 mesh.

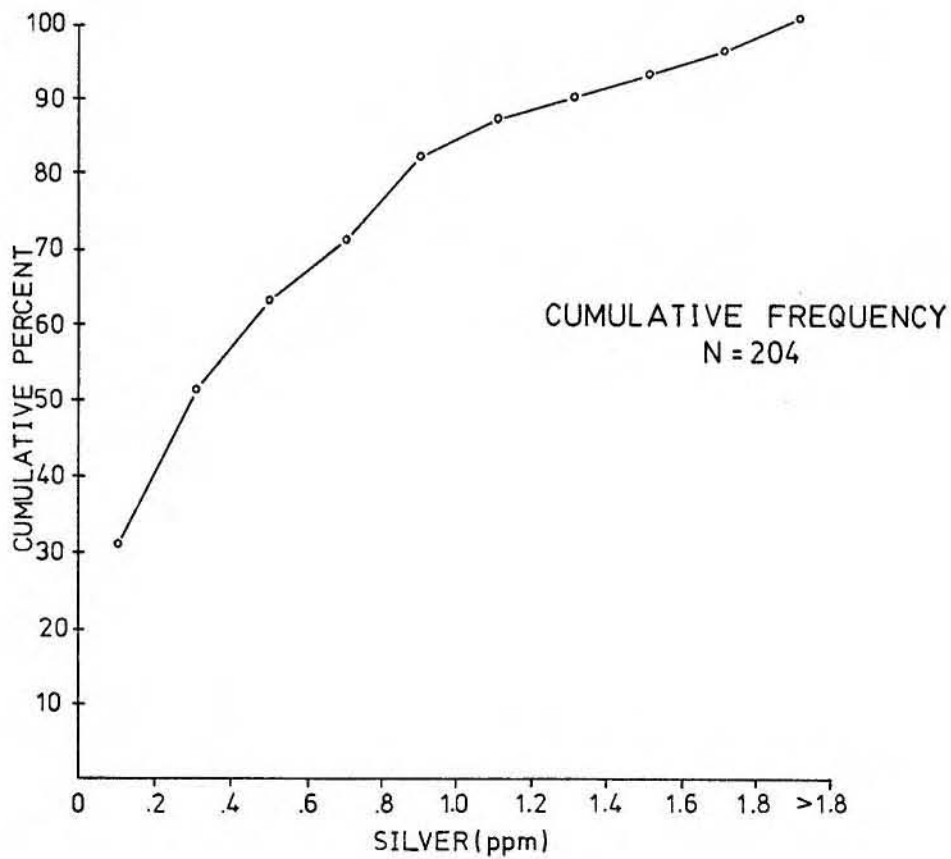
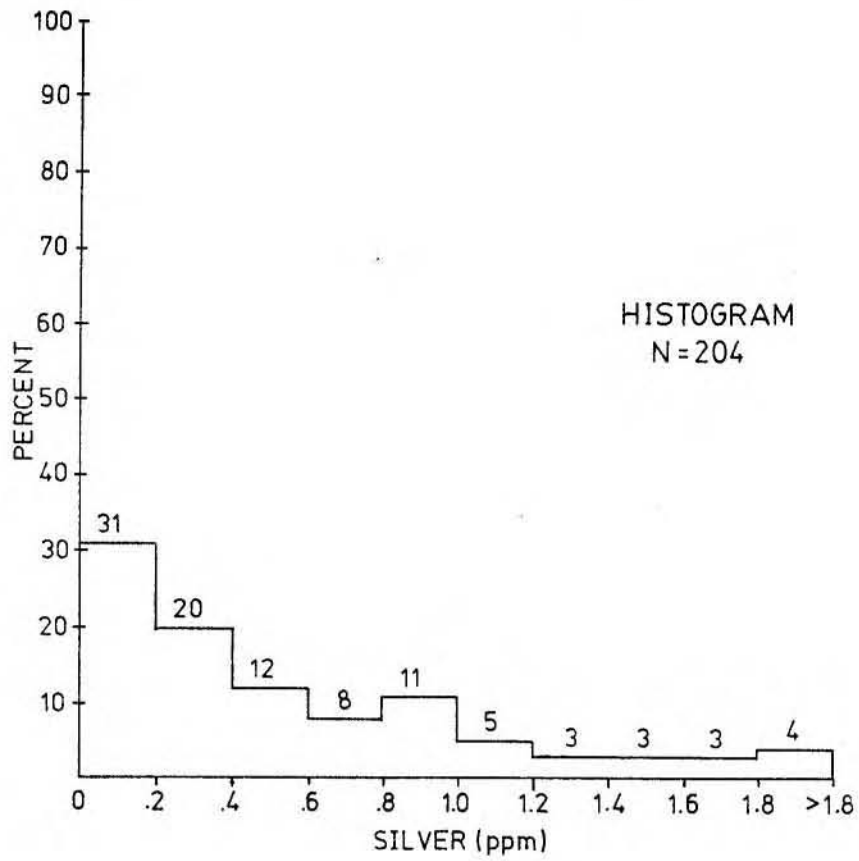
Samples were collected from the B Horizon at a depth of approximately 18 centimeters. Soil color is generally medium brown to orange-brown.

Zinc values on the property are relatively normal, with the 95th percentile occurring at 210 ppm. This value has been interpreted as being the upper threshold limit of background values for zinc.

Anomalies are generally weak and scattered, except adjacent to creeks draining the property, where the highest concentrations are found. The highest zinc value determined is 335 ppm.

Silver values are generally slightly high, with 18% of the samples having greater than 1.0 ppm concentration. The 95th percentile occurs at 1.6 ppm silver, thus anomalous samples are those having a value which is greater. Anomalies are generally scattered. The highest silver value obtained is 8.2 ppm, located at T3W/9+50S. Another high





Geochemistry Cont'd

isolated anomaly (5.9 ppm) is situated at TOW/16+50S. Anomalous silver values ranging from 1.8 to 3.1 ppm are situated on line T1W between 17+50S and 20+00S. This anomalous area is located on the nose of the ridge just north of Huckleberry Creek.

Gold values in the samples are low. Interpreted anomalies (15 ppb and higher) are weak and scattered.

Lead values are very low with 97% of the samples having less than 40 ppm concentration.

CONCLUSIONS AND RECOMMENDATIONS

No potential gold-silver-lead-zinc zones typical of the Ymir camp, can be interpreted from the results of the geochemical survey. However, the areas with high silver concentrations may indicate the presence of underlying monometallic silver bearing structures.

Zinc anomalies along creeks are probably transported and insignificant, due to the element's high mobility and tendency to be adsorbed by insoluble organic material.

Follow-up exploratory work within the surveyed area should center around the anomalous silver zones. Prospecting and VLF-magnetometer surveying should be conducted, and depending upon these results, trenching may be advisable.

A similar geochemical soil survey should be conducted over the west half of the property, which overlies volcanic terrain. The mineralized vein present within the Jennie Bell mine is hosted by the volcanics.

BIBLIOGRAPHY

1. British Columbia Minister of Mines Annual Reports: 1912, 1914, 1916.
2. Drysdale, C. W. 1917: Ymir Mining Camp, British Columbia; Geological Survey of Canada: Memoir 94
3. Little, H. W. 1960: Nelson Map-Area, West Half, British Columbia; Geological Survey of Canada: Memoir 308
4. Little, H. W. and McAllister, A. L. 1964: Geology of Ymir, British Columbia; Geological Survey of Canada: Map 1144A

A P P E N D I C E S



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 85-35-010

JOB NUMBER: 85467

GOLDRICH RESOURCES INC.

PAGE 1 OF 6

SAMPLE #	Au
	ppb
T0W 0+00S	10
T0W 0+50S	nd
T0W 1+00S	5
T0W 1+50S	5
T0W 2+00S	5
T0W 2+50S	nd
T0W 3+00S	5
T0W 3+50S	10
T0W 4+00S	10
T0W 4+50S	10
T0W 5+00S	5
T0W 5+50S	20
T0W 6+00S	10
T0W 6+50S	10
T0W 7+00S	10
T0W 7+50S	5
T0W 8+00S	5
T0W 8+50S	10
T0W 9+00S	5
T0W 9+50S	10
T0W 10+00S	nd
T0W 10+50S	10
T0W 11+00S	nd
T0W 11+50S	nd
T0W 12+00S	nd
T0W 12+50S	5
T0W 13+00S	nd
T0W 13+50S	15
T0W 14+00S	20
T0W 14+50S	nd
T0W 15+00S	nd
T0W 15+50S	10
T0W 16+00S	5
T0W 16+50S	5
T0W 17+00S	10
T0W 17+50S	10
T0W 18+00S	20
T0W 18+50S	5
T0W 19+00S	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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SAMPLE #	Au ppb
T0W 19+50S	10
T0W 20+00S	10
T0W 20+50S	10
T0W 21+00S	5
T0W 21+50S	5
T0W 22+00S	5
T0W 22+50S	nd
T0W 23+00S	10
T0W 23+50S	10
T0W 24+00S	10
T0W 24+50S	20
T0W 25+00S	nd
T1W 0+00S	nd
T1W 0+50S	5
T1W 1+00S	15
T1W 1+50S	5
T1W 2+00S	nd
T1W 2+50S	5
T1W 3+00S	nd
T1W 3+50S	5
T1W 4+00S	nd
T1W 4+50S	nd
T1W 5+00S	10
T1W 5+50S	nd
T1W 6+00S	5
T1W 6+50S	nd
T1W 7+00S	nd
T1W 7+50S	5
T1W 8+00S	10
T1W 8+50S	10
T1W 9+00S	10
T1W 9+50S	10
T1W 10+00S	10
T1W 10+50S	10
T1W 11+00S	10
T1W 11+50S	10
T1W 12+00S	10
T1W 12+50S	10
T1W 13+00S	5

DETECTION LIMIT 5

nd = none detected

-- = not analysed

is = insufficient sample



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SAMPLE #	Au
	ppb
T1W 13+50S	15
T1W 14+00S	10
T1W 14+50S	5
T1W 15+00S	5
T1W 15+50S	5
T1W 16+00S	10
T1W 16+50S	5
T1W 17+00S	15
T1W 17+50S	5
T1W 18+00S	5
T1W 18+50S	nd
T1W 19+00S	nd
T1W 19+50S	10
T1W 20+00S	5
T1W 20+50S	nd
T1W 21+00S	nd
T1W 21+50S	nd
T1W 22+00S	10
T1W 22+50S	10
T1W 23+00S	5
T1W 23+50S	10
T1W 24+00S	nd
T1W 24+50S	5
T1W 25+00S	nd
T2W 0+00S	nd
T2W 0+50S	5
T2W 1+00S	10
T2W 1+50S	nd
T2W 2+00S	10
T2W 2+50S	nd
T2W 3+00S	5
T2W 3+50S	5
T2W 4+00S	nd
T2W 4+50S	nd
T2W 5+00S	nd
T2W 5+50S	nd
T2W 6+00S	5
T2W 6+50S	nd
T2W 7+00S	nd

DETECTION LIMIT

5

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SAMPLE #	Au
	ppb
T2W 7+50S	nd
T2W 8+00S	nd
T2W 8+50S	10
T2W 9+00S	5
T2W 9+50S	nd
T2W 10+00S	10
T2W 10+50S	10
T2W 11+00S	10
T2W 11+50S	5
T2W 12+00S	10
T2W 12+50S	10
T2W 13+00S	nd
T2W 13+50S	5
T2W 14+00S	5
T2W 14+50S	nd
T2W 15+00S	nd
T2W 15+50S	nd
T2W 16+00S	5
T2W 16+50S	5
T2W 17+00S	5
T2W 17+50S	5
T2W 18+00S	15
T2W 18+50S	5
T2W 19+00S	nd
T2W 19+50S	nd
T2W 20+00S	nd
T2W 20+50S	15
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T2W 22+00S	nd
T2W 22+50S	10
T2W 23+00S	10
T2W 23+50S	nd
T2W 24+00S	nd
T2W 24+50S	nd
T2W 25+00S	10
T3W 0+00S	10
T3W 0+50S	5
T3W 1+00S	10

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SAMPLE #	Au
	ppb
T3W 1+50S	nd
T3W 2+00S	10
T3W 2+50S	5
T3W 3+00S	nd
T3W 3+50S	20
T3W 4+00S	nd
T3W 4+50S	nd
T3W 5+00S	nd
T3W 5+50S	nd
T3W 6+00S	nd
T3W 6+50S	nd
T3W 7+00S	nd
T3W 7+50S	nd
T3W 8+00S	nd
T3W 8+50S	nd
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T3W 15+50S	nd
T3W 16+00S	nd
T3W 16+50S	nd
T3W 17+00S	nd
T3W 17+50S	nd
T3W 18+00S	nd
T3W 18+50S	nd
T3W 19+00S	nd
T3W 19+50S	nd
T3W 20+00S	nd
T3W 20+50S	nd

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SAMPLE #	Au
	ppb
T3W 21+00S	5
T3W 21+50S	nd
T3W 22+00S	nd
T3W 22+50S	10
T3W 23+00S	nd
T3W 23+50S	nd
T3W 24+00S	nd
T3W 24+50S	nd
T3W 25+00S	nd

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5

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ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR SN, MN, FE, CA, P, CR, MG, BA, PD, AL, NA, K, W, PT AND SR. AU AND PD DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: GOLDRICH RESOURCES
 ATTENTION: BILL DAY
 PROJECT: TOP/ERIC

REPORT#: 85-35-010
 JOB#: 85467
 INVOICE#: 9066

DATE RECEIVED: 85/10/07
 DATE COMPLETED: 85/10/11
 COPY SENT TO: B.DAY & GEOSPHERE

ANALYST *W. Reeves*

PAGE 1 OF 6

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
TOW 0+00S	ND	1.71	8	ND	194	ND	.19	.8	9	13	16	2.06	.05	.20	2549	1	.01	10	.08	21	ND	ND	ND	4	26	ND	ND	86
TOW 0+50S	.1	2.61	9	ND	286	ND	.20	1.3	11	20	24	2.40	.07	.47	1725	1	.01	21	.17	42	ND	ND	ND	2	22	ND	ND	138
TOW 1+00S	ND	5.11	ND	ND	146	ND	.15	.5	9	12	14	2.39	.05	.21	717	ND	.01	10	.27	14	ND	ND	ND	ND	15	ND	ND	84
TOW 1+50W	ND	3.45	ND	ND	156	ND	.20	1.2	9	20	20	2.09	.07	.52	1018	ND	.01	18	.08	26	ND	ND	ND	ND	16	ND	ND	117
TOW 2+00S	ND	.22	21	ND	70	ND	3.03	1.6	ND	5	7	.29	.08	.08	469	5	.01	2	.07	94	ND	ND	ND	3	135	10	ND	129
TOW 2+50S	1.8	1.59	16	ND	79	ND	.45	.7	6	33	12	1.64	.07	.65	769	3	.01	13	.03	8	ND	ND	ND	2	32	6	5	72
TOW 3+00S	ND	3.65	ND	ND	85	ND	.29	.5	5	10	11	1.42	.05	.23	212	ND	.01	7	.07	4	ND	ND	ND	ND	20	ND	ND	55
TOW 3+50S	.1	2.36	9	ND	130	3	.53	2.0	10	31	28	2.91	.11	.84	677	2	.01	30	.11	11	ND	ND	ND	ND	53	ND	ND	214
TOW 4+00S	ND	1.67	13	ND	108	ND	.25	1.1	9	25	21	2.55	.08	.79	549	2	.01	27	.10	15	ND	ND	ND	2	24	ND	3	148
TOW 4+50S	.7	3.81	ND	ND	325	ND	.22	.7	11	27	26	4.05	.09	.71	573	1	.01	25	.37	15	ND	ND	ND	ND	39	ND	ND	119
TOW 5+00S	ND	5.37	ND	ND	72	ND	.04	1.0	5	10	18	2.51	.03	.10	804	ND	.01	5	.57	12	ND	ND	ND	ND	5	ND	ND	56
TOW 5+50S	1.6	3.75	5	ND	181	ND	.09	1.6	8	16	17	2.33	.05	.30	1610	ND	.01	13	.25	46	ND	ND	ND	ND	9	ND	ND	144
TOW 6+00S	1.7	2.12	8	ND	176	ND	.06	1.6	6	12	18	1.98	.04	.17	740	ND	.01	10	.13	19	ND	ND	ND	1	7	ND	ND	117
TOW 6+50S	.2	1.70	10	ND	135	ND	.12	.5	7	30	43	3.49	.08	.60	525	2	.01	28	.22	17	ND	ND	ND	ND	15	ND	ND	129
TOW 7+00S	.5	2.56	9	ND	176	ND	.11	.6	10	21	23	3.51	.07	.38	656	ND	.01	20	.21	16	ND	ND	ND	ND	13	ND	ND	134
TOW 7+50S	.3	3.34	6	ND	157	ND	.10	.9	13	27	45	3.17	.09	.82	591	1	.01	28	.11	13	ND	ND	ND	ND	11	ND	ND	146
TOW 8+00S	ND	2.71	4	ND	113	ND	.11	1.0	9	20	19	2.70	.05	.49	1121	ND	.01	15	.09	20	ND	ND	ND	ND	10	ND	ND	131
TOW 8+50S	ND	3.52	ND	ND	136	ND	.16	1.1	10	22	25	2.57	.07	.69	516	ND	.01	23	.10	12	ND	ND	ND	ND	12	ND	ND	145
TOW 9+00S	.3	1.88	9	ND	142	3	.09	1.3	11	24	26	2.88	.06	.64	1156	1	.01	23	.07	15	ND	ND	ND	2	9	ND	ND	115
TOW 9+50S	ND	2.02	9	ND	127	ND	.08	.9	12	21	32	2.77	.06	.42	2010	ND	.01	21	.19	27	ND	ND	ND	ND	12	ND	ND	119
TOW 10+00S	.2	2.06	9	ND	116	ND	.06	1.4	10	17	21	2.81	.06	.33	2595	1	.01	14	.16	21	ND	ND	ND	2	9	ND	ND	136
TOW 10+50S	.4	2.52	7	ND	123	ND	.06	.8	11	16	25	2.86	.06	.35	1375	ND	.01	17	.16	19	ND	ND	ND	1	7	ND	ND	115
TOW 11+00S	1.1	3.26	ND	ND	101	ND	.04	.7	8	19	28	3.02	.07	.35	784	1	.01	16	.12	17	ND	ND	ND	ND	6	ND	ND	115
TOW 11+50S	.3	4.02	ND	ND	220	ND	.10	1.4	11	18	22	3.17	.07	.41	1013	ND	.01	21	.15	15	ND	ND	ND	ND	11	ND	ND	199
TOW 12+00S	.1	1.14	16	ND	83	ND	.03	.6	6	12	11	2.17	.05	.21	644	1	.01	10	.09	30	ND	ND	ND	2	5	ND	ND	72
TOW 12+50S	1.3	3.76	ND	ND	155	ND	.17	1.5	12	30	35	3.10	.10	.70	1052	1	.01	40	.11	16	ND	ND	ND	ND	19	ND	ND	154
TOW 13+00S	.6	2.62	12	ND	108	ND	.15	1.7	13	30	43	3.18	.10	.79	1500	1	.01	39	.18	16	ND	ND	ND	ND	13	ND	ND	172
TOW 13+50S	.6	1.72	9	ND	245	ND	.14	1.0	10	22	28	2.68	.07	.61	2065	1	.01	26	.09	19	ND	ND	ND	ND	16	ND	3	131
TOW 14+00S	1.0	1.57	16	ND	135	ND	.03	.8	10	18	34	2.93	.06	.36	2422	1	.01	20	.13	16	ND	ND	ND	ND	4	ND	5	127
TOW 14+50S	.9	2.78	11	ND	125	ND	.07	.7	11	22	38	3.07	.08	.62	918	1	.01	31	.16	11	ND	ND	ND	ND	8	ND	ND	121
TOW 15+00S	1.2	2.77	9	ND	165	ND	.10	1.1	9	21	23	3.33	.08	.50	1253	ND	.01	17	.14	25	ND	ND	ND	ND	9	ND	3	128
TOW 15+50S	.1	1.98	9	ND	87	ND	.05	.4	6	19	27	3.32	.07	.43	546	2	.01	16	.09	20	ND	ND	ND	ND	10	ND	ND	104
TOW 16+00S	.7	1.23	18	ND	104	ND	.06	.1	5	18	24	3.21	.07	.41	340	2	.01	17	.08	23	ND	ND	ND	2	9	ND	6	73
TOW 16+50S	5.9	1.42	19	ND	156	ND	.13	.9	7	16	27	3.83	.08	.30	601	3	.01	19	.12	31	ND	ND	ND	1	15	ND	ND	133
TOW 17+00S	.2	1.35	24	ND	116	ND	.07	1.3	8	23	23	3.83	.09	.36	1076	3	.01	34	.09	34	ND	ND	3	1	9	ND	3	127
TOW 17+50S	1.2	1.70	12	ND	72	ND	.05	.3	6	20	18	3.43	.07	.37	786	2	.01	16	.11	12	ND	ND	ND	2	7	ND	4	86
TOW 18+00S	.9	1.57	15	ND	68	ND	.02	.1	5	16	17	2.98	.07	.36	366	2	.01	17	.12	21	ND	ND	ND	1	4	ND	4	80
TOW 18+50S	.3	.66	21	ND	90	ND	.03	.1	4	11	14	2.16	.06	.25	647	1	.01	13	.10	16	ND	ND	ND	4	6	ND	4	60
TOW 19+00S	.3	1.31	17	ND	85	ND	.14	.3	7	15	21	2.60	.07	.56	1102	1	.01	27	.18	13	ND	ND	ND	ND	5	ND	4	109

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
TOW 19+50S	.2	.97	14	ND	103	ND	.04	.1	5	12	8	2.86	.04	.29	197	1	.01	11	.11	16	ND	ND	ND	4	4	ND	ND	53
TOW 20+00S	ND	.66	16	ND	49	ND	.01	.3	3	8	6	1.45	.02	.29	471	ND	.01	6	.03	8	ND	ND	ND	2	2	ND	5	38
TOW 20+50S	.9	3.10	5	ND	36	ND	.02	.2	3	6	19	1.59	.02	.07	387	ND	.01	4	.11	11	ND	ND	ND	1	2	ND	ND	27
TOW 21+00S	.4	2.93	7	ND	40	ND	.01	.5	3	10	19	2.30	.04	.16	255	ND	.01	6	.11	18	ND	ND	ND	ND	3	ND	ND	43
TOW 21+50S	1.1	2.64	9	ND	64	ND	.02	.6	6	13	19	2.85	.04	.22	1558	1	.01	7	.17	9	ND	ND	ND	ND	3	ND	ND	76
TOW 22+00S	.5	3.69	3	ND	75	ND	.07	.7	5	16	23	3.10	.05	.28	528	1	.01	12	.18	7	ND	ND	ND	ND	7	ND	ND	108
TOW 22+50S	1.3	3.00	ND	ND	85	ND	.03	.8	8	16	30	3.15	.05	.44	1064	2	.01	25	.09	19	ND	ND	ND	ND	5	ND	ND	184
TOW 23+00S	.7	2.31	3	ND	120	ND	.03	1.0	12	17	45	4.35	.08	.55	1368	2	.01	34	.12	13	ND	ND	ND	ND	7	ND	ND	221
TOW 23+50S	1.1	1.88	9	ND	99	ND	.03	2.0	10	11	40	3.38	.06	.38	796	1	.01	27	.12	25	ND	ND	ND	ND	6	ND	ND	175
TOW 24+00S	.5	3.10	6	ND	69	ND	.03	1.3	10	14	34	2.89	.06	.50	855	2	.01	19	.11	11	ND	ND	ND	ND	4	ND	ND	194
TOW 24+50S	.6	3.11	ND	ND	127	ND	.04	1.1	11	17	36	3.30	.07	.58	1711	1	.01	21	.15	17	ND	ND	ND	ND	6	ND	6	220
TOW 25+00S	.9	1.80	18	ND	113	ND	.05	2.1	8	17	28	3.03	.07	.39	718	1	.01	14	.20	25	ND	ND	ND	2	6	ND	4	145
T1W 0+00S	.4	1.23	19	ND	93	ND	.06	1.4	8	22	44	3.08	.07	.37	655	2	.01	23	.08	21	ND	ND	ND	1	8	ND	5	93
T1W 0+50S	1.2	2.17	11	ND	161	ND	.18	1.3	9	17	34	2.67	.07	.34	2532	2	.01	15	.16	17	ND	ND	ND	ND	15	ND	ND	120
T1W 1+00S	.4	3.78	4	ND	84	ND	.03	.7	8	15	14	2.88	.05	.14	520	ND	.01	6	.52	11	ND	ND	ND	ND	5	ND	ND	79
T1W 1+50S	.1	4.26	ND	ND	147	ND	.12	1.0	10	27	24	2.76	.07	.52	1156	1	.01	20	.11	12	ND	ND	ND	ND	14	ND	ND	172
T1W 2+00S	.3	3.44	5	ND	159	ND	.13	.7	14	29	36	3.19	.08	.81	1125	1	.01	40	.18	22	ND	ND	ND	ND	12	ND	3	160
T1W 2+50S	.7	2.20	10	ND	141	3	.14	.5	9	20	14	3.64	.08	.52	1124	3	.01	14	.14	26	ND	ND	ND	1	11	ND	3	163
T1W 3+00S	1.3	5.50	ND	ND	148	ND	.09	1.4	9	16	23	2.68	.07	.31	806	ND	.01	15	.23	9	ND	ND	ND	ND	9	ND	ND	150
T1W 3+50S	.6	4.46	ND	ND	161	ND	.10	.9	12	21	37	2.83	.09	.59	1266	ND	.01	29	.15	15	ND	ND	ND	ND	11	ND	ND	154
T1W 4+00S	.5	5.53	ND	ND	158	ND	.12	1.0	14	29	23	3.39	.09	.54	757	ND	.01	34	.27	13	ND	ND	ND	ND	11	ND	ND	183
T1W 4+50S	.3	2.76	3	ND	122	ND	.10	1.2	12	39	30	3.67	.09	1.10	696	2	.01	27	.25	15	ND	ND	ND	ND	10	ND	6	151
T1W 5+00S	.6	1.75	12	ND	171	ND	.09	.7	8	24	20	2.23	.07	.54	483	ND	.01	21	.10	29	ND	ND	ND	1	13	ND	5	98
T1W 5+50S	.4	2.66	8	ND	150	5	.12	.5	15	33	57	2.99	.09	1.06	648	ND	.01	51	.24	17	ND	ND	ND	1	12	ND	ND	178
T1W 6+00S	.6	2.38	6	ND	150	ND	.26	1.6	10	25	36	2.30	.08	.96	863	ND	.01	43	.11	18	ND	ND	ND	ND	21	ND	5	164
T1W 6+50S	.5	2.04	9	ND	167	ND	.07	.5	10	21	24	2.46	.07	.55	861	ND	.01	25	.11	14	ND	ND	ND	ND	7	ND	ND	130
T1W 7+00S	.7	2.03	11	ND	290	4	.25	1.4	18	41	70	2.81	.09	1.35	2516	ND	.01	50	.08	22	ND	ND	ND	ND	18	ND	6	219
T1W 7+50S	.7	1.09	18	ND	200	ND	2.47	9.0	5	20	30	1.44	.12	.45	3300	1	.01	24	.14	49	ND	ND	ND	ND	153	4	ND	182
T1W 8+00S	.4	3.62	ND	ND	201	ND	.20	1.1	13	25	28	3.33	.09	.66	724	ND	.01	26	.14	18	ND	ND	ND	ND	16	ND	4	147
T1W 8+50S	.7	4.61	ND	ND	208	3	.40	3.4	18	56	48	3.76	.13	1.33	1300	ND	.01	42	.12	16	ND	ND	ND	ND	34	ND	3	206
T1W 9+00S	.9	3.74	ND	ND	138	ND	.07	1.5	10	24	24	3.12	.08	.64	711	ND	.01	24	.14	14	ND	ND	ND	ND	8	ND	3	172
T1W 9+50S	.9	3.43	ND	ND	252	ND	.10	1.6	19	48	36	3.97	.10	1.16	1494	ND	.01	51	.21	21	ND	ND	ND	1	13	ND	4	238
T1W 10+00S	.6	2.28	6	ND	152	3	.07	1.2	15	36	44	3.90	.09	.80	1521	1	.01	32	.17	33	ND	ND	ND	1	7	ND	ND	193
T1W 10+50S	.7	2.75	ND	ND	450	3	.29	1.4	19	59	42	3.98	.11	1.30	1690	1	.01	62	.28	33	ND	ND	ND	3	34	ND	8	185
T1W 11+00S	.4	1.78	7	ND	196	ND	.06	.8	13	30	24	3.41	.07	.60	1169	2	.01	30	.17	18	ND	ND	ND	ND	7	ND	5	155
T1W 11+50S	.4	1.38	15	ND	179	ND	.05	.2	6	30	36	2.92	.06	.38	1016	1	.01	20	.13	16	ND	ND	ND	ND	10	ND	3	97
T1W 12+00S	.9	2.59	9	ND	124	ND	.06	1.0	9	17	28	2.98	.07	.39	898	1	.01	19	.33	17	ND	ND	ND	ND	7	ND	ND	144
T1W 12+50S	.4	1.87	13	ND	197	ND	.08	2.3	10	17	28	3.26	.08	.43	1538	ND	.01	25	.12	16	ND	ND	ND	ND	9	ND	ND	178
T1W 13+00S	.7	1.62	13	ND	157	ND	.07	1.5	9	14	20	2.71	.07	.38	1391	1	.01	18	.13	24	ND	ND	ND	1	8	ND	4	143

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	B1 PPM	CA I	CO PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
T1W 13+50S	.4	2.12	15	ND	144	ND	.19	1.1	10	18	27	3.52	.08	.64	1007	ND	.01	19	.21	13	ND	ND	ND	ND	16	ND	4	156
T1W 14+00S	.3	2.58	13	ND	103	ND	.12	2.0	10	20	30	2.96	.07	.63	1399	ND	.01	30	.14	22	ND	ND	ND	ND	13	ND	ND	177
T1W 14+50S	.9	.89	28	ND	163	ND	.78	2.8	11	15	33	2.71	.10	.40	1621	ND	.01	33	.19	33	ND	ND	3	ND	48	ND	ND	226
T1W 15+00S	1.8	1.02	24	ND	68	ND	.05	.5	4	17	25	2.75	.05	.36	235	2	.01	16	.10	19	ND	ND	3	1	8	ND	ND	78
T1W 15+50S	.3	1.45	20	ND	135	ND	.08	.6	7	18	31	3.20	.06	.41	942	2	.01	18	.18	18	ND	ND	ND	ND	10	ND	ND	94
T1W 16+00S	.5	1.35	17	ND	149	ND	.21	.4	6	23	31	3.61	.08	.44	539	2	.01	18	.34	15	ND	ND	ND	ND	21	ND	ND	87
T1W 16+50S	.4	2.06	19	ND	132	ND	.24	.5	8	20	24	3.06	.09	.40	805	1	.01	18	.16	11	ND	ND	3	ND	20	ND	ND	108
T1W 17+00S	.6	1.12	22	ND	120	ND	.06	.8	6	14	15	2.83	.07	.30	1393	2	.01	13	.11	26	ND	ND	3	1	7	ND	3	84
T1W 17+50S	1.2	1.05	25	ND	82	ND	.05	.9	5	17	21	3.14	.07	.28	701	1	.01	13	.17	21	ND	ND	4	3	6	ND	ND	72
T1W 18+00S	3.1	1.78	21	ND	76	ND	.09	.3	8	14	23	3.36	.08	.34	1531	1	.01	18	.17	22	ND	ND	4	ND	8	ND	ND	113
T1W 18+50S	2.0	1.84	19	ND	74	3	.05	.8	7	21	16	3.63	.10	.25	877	1	.01	15	.19	30	ND	ND	6	5	6	7	3	83
T1W 19+00S	1.4	4.43	3	ND	59	ND	.02	.6	5	15	19	3.68	.05	.19	1132	ND	.01	10	.54	26	ND	ND	ND	ND	5	ND	ND	72
T1W 19+50S	1.9	6.39	ND	ND	28	ND	.02	.4	3	7	16	2.18	.04	.09	227	ND	.01	3	.15	14	ND	ND	3	ND	3	ND	ND	40
T1W 20+00S	2.6	5.11	ND	ND	50	ND	.03	.4	4	12	24	2.89	.04	.15	364	ND	.01	12	.21	16	ND	ND	ND	ND	5	ND	ND	83
T1W 20+50S	1.8	3.49	12	ND	65	ND	.03	1.1	6	14	25	3.31	.05	.25	425	2	.01	15	.10	31	ND	ND	ND	ND	5	ND	ND	81
T1W 21+00S	1.2	1.71	17	ND	75	ND	.04	.7	6	17	19	3.38	.07	.38	424	2	.01	17	.10	35	ND	ND	4	3	6	ND	5	112
T1W 21+50S	.6	1.00	19	ND	84	ND	.05	.5	5	10	52	2.65	.07	.45	1346	1	.01	24	.06	22	ND	ND	3	2	5	ND	3	88
T1W 22+00S	.6	2.06	15	ND	82	ND	.03	1.0	10	15	26	3.38	.07	.42	856	3	.01	20	.09	30	ND	ND	ND	3	6	ND	ND	105
T1W 22+50S	.9	2.62	12	ND	87	ND	.45	4.5	9	17	29	2.84	.09	.59	1353	6	.01	28	.11	20	ND	ND	ND	ND	22	ND	ND	179
T1W 23+00S	1.4	2.79	9	ND	96	ND	.03	.8	8	17	31	3.26	.07	.45	1345	3	.01	18	.13	14	ND	ND	ND	ND	5	ND	ND	145
T1W 23+50S	.8	3.41	8	ND	86	ND	.05	1.3	9	21	39	3.17	.07	.69	731	3	.01	37	.19	21	ND	ND	3	ND	6	ND	ND	197
T1W 24+00S	1.7	2.76	5	ND	100	ND	.03	.9	8	16	34	3.06	.06	.36	835	1	.01	16	.16	15	ND	ND	ND	ND	4	ND	ND	130
T1W 24+50S	1.8	2.92	13	ND	93	ND	.03	2.2	9	17	24	3.26	.06	.38	1493	1	.01	13	.28	19	ND	ND	ND	ND	4	ND	ND	158
T1W 25+00S	1.0	1.61	17	ND	87	ND	.03	1.6	5	16	28	3.05	.06	.34	381	3	.01	15	.13	18	ND	ND	ND	1	4	ND	ND	113
T2W 0+00S	.9	2.70	12	ND	309	ND	.15	4.5	14	22	54	3.30	.08	.57	1821	1	.01	25	.34	22	ND	ND	ND	ND	18	ND	ND	172
T2W 0+50S	.7	1.93	19	ND	155	ND	.28	2.1	13	22	37	3.24	.08	.68	1849	2	.01	28	.12	22	ND	ND	ND	ND	22	ND	4	182
T2W 1+00S	.5	1.98	15	ND	132	ND	.15	1.6	9	24	29	3.44	.06	.62	800	1	.01	21	.19	17	ND	ND	ND	ND	13	ND	4	134
T2W 1+50S	.4	2.65	9	ND	181	3	.20	2.0	10	34	22	2.94	.07	.70	995	ND	.01	26	.21	16	ND	ND	ND	ND	12	ND	ND	210
T2W 2+00S	1.4	3.14	10	ND	176	ND	.27	2.2	11	18	22	2.81	.07	.43	1297	1	.01	20	.16	28	ND	ND	ND	ND	21	ND	ND	156
T2W 2+50S	1.2	4.41	ND	ND	408	10	.30	2.5	23	65	48	4.26	.14	1.58	2324	ND	.01	70	.22	23	ND	ND	ND	3	33	ND	3	202
T2W 3+00S	1.1	4.88	ND	ND	463	8	.30	1.7	24	77	43	4.58	.12	1.66	1888	1	.01	74	.28	25	ND	ND	ND	ND	37	ND	ND	208
T2W 3+50S	1.8	4.19	ND	4	1688	18	1.05	.7	37	157	66	5.74	.28	3.97	866	ND	.01	144	.59	21	6	ND	ND	13	187	ND	6	123
T2W 4+00S	1.2	2.59	16	ND	294	4	.25	1.4	11	19	36	3.06	.08	.37	1316	2	.01	31	.21	51	ND	ND	ND	ND	24	ND	ND	189
T2W 4+50S	1.9	3.33	12	ND	174	6	.18	.9	18	22	37	4.38	.10	.63	788	6	.01	46	.13	41	ND	ND	ND	ND	20	ND	4	178
T2W 5+00S	1.0	1.62	19	ND	262	4	.16	.9	12	22	25	3.05	.07	.57	1207	ND	.01	24	.11	21	ND	ND	ND	2	17	ND	ND	123
T2W 5+50S	.2	2.55	7	ND	271	5	.12	1.3	12	21	30	3.88	.11	1.05	4242	1	.01	23	.13	18	ND	ND	ND	ND	10	ND	4	134
T2W 6+00S	.6	3.16	9	ND	241	3	.09	1.4	12	17	30	4.18	.08	.71	1549	ND	.01	25	.16	14	ND	ND	ND	ND	10	ND	3	197
T2W 6+50S	.6	1.91	11	ND	229	3	.10	.9	11	16	15	3.52	.08	.55	2240	1	.01	17	.17	15	ND	ND	ND	1	14	ND	ND	156
T2W 7+00S	1.6	1.99	15	ND	193	3	.09	1.2	10	19	19	2.99	.07	.45	1605	1	.01	29	.12	71	ND	ND	ND	2	10	ND	6	193

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
T2W 7+50S	.4	1.79	23	ND	189	ND	.16	1.8	13	18	48	3.48	.07	.48	1121	1	.01	47	.17	18	ND	ND	ND	ND	17	ND	ND	228
T2W 8+00S	.4	1.26	20	ND	70	ND	.20	.5	10	26	46	3.42	.07	.50	1010	3	.01	26	.14	18	ND	ND	ND	ND	18	ND	ND	140
T2W 8+50S	.4	1.28	24	ND	77	ND	.34	.6	9	20	52	3.23	.06	.51	729	2	.01	32	.16	18	ND	ND	ND	ND	21	ND	ND	148
T2W 9+00S	.9	1.24	13	ND	63	ND	.03	.2	3	16	24	2.94	.03	.23	279	1	.01	11	.23	13	ND	ND	ND	1	5	ND	ND	62
T2W 9+50S	.3	3.23	5	ND	62	ND	.05	.1	7	21	28	3.22	.04	.45	388	1	.01	15	.26	13	ND	ND	ND	ND	6	ND	ND	90
T2W 10+00S	.5	1.14	18	ND	65	ND	.03	.1	5	15	20	3.29	.03	.32	368	1	.01	13	.18	18	ND	ND	ND	3	6	ND	ND	78
T2W 10+50S	.7	1.95	12	ND	79	4	.05	.1	7	17	22	3.04	.02	.46	512	1	.01	13	.20	16	ND	ND	ND	ND	7	ND	ND	101
T2W 11+00S	.5	1.32	15	ND	99	ND	.03	.3	4	13	22	2.45	.02	.34	1224	1	.01	13	.13	11	ND	ND	ND	2	5	ND	ND	102
T2W 11+50S	.2	1.12	17	ND	152	ND	.20	1.2	10	11	22	2.82	.04	.41	1965	1	.01	17	.13	21	ND	ND	ND	1	17	ND	ND	170
T2W 12+00S	.8	.97	19	ND	98	ND	.06	.8	5	10	24	2.69	.02	.18	448	3	.01	18	.11	39	ND	ND	ND	ND	6	ND	ND	103
T2W 12+50S	.4	2.12	6	ND	80	ND	.04	.1	5	14	15	4.59	.03	.25	140	4	.01	12	.15	18	ND	ND	ND	2	6	ND	ND	90
T2W 13+00S	.1	1.62	9	ND	100	ND	.06	.4	6	11	30	3.63	.03	.21	254	10	.01	29	.13	24	ND	ND	ND	ND	8	ND	ND	104
T2W 13+50S	.7	2.51	7	ND	144	ND	.06	.1	8	18	23	2.96	.01	.33	1015	1	.01	16	.11	15	ND	ND	ND	ND	9	ND	ND	100
T2W 14+00S	.1	1.96	12	ND	169	ND	.07	.1	8	27	21	3.93	.05	.54	1464	2	.01	21	.20	22	ND	ND	ND	ND	10	ND	ND	115
T2W 14+50S	.3	1.74	19	ND	127	ND	.10	1.0	9	34	28	3.60	.06	.59	1185	2	.01	29	.20	26	ND	ND	ND	ND	10	ND	4	144
T2W 15+00S	.2	1.82	11	ND	164	ND	.86	1.9	10	35	35	2.86	.08	.51	1065	2	.01	36	.13	20	ND	ND	ND	ND	69	ND	3	115
T2W 15+50S	.1	1.82	13	ND	236	ND	.26	1.2	10	26	31	3.17	.06	.57	1152	2	.01	27	.12	37	ND	ND	ND	ND	27	ND	ND	146
T2W 16+00S	.1	2.02	18	ND	155	4	.19	.6	12	28	52	3.22	.07	.77	884	2	.01	38	.17	21	ND	ND	ND	ND	23	ND	ND	129
T2W 16+50S	.4	2.46	20	ND	110	ND	.15	3.2	24	45	125	4.86	.05	1.20	1668	3	.01	61	.18	29	ND	ND	ND	ND	16	ND	4	323
T2W 17+00S	.3	1.33	23	ND	69	ND	.12	.7	8	14	45	3.97	.02	.41	877	6	.01	26	.34	21	ND	ND	ND	ND	12	ND	ND	131
T2W 17+50S	.7	1.26	16	ND	69	ND	.03	.1	3	14	17	2.78	.01	.23	129	1	.01	15	.27	13	ND	ND	ND	1	7	ND	ND	51
T2W 18+00S	.1	3.02	8	ND	102	ND	.06	.1	5	23	28	4.38	.03	.42	350	1	.01	18	.17	13	ND	ND	ND	ND	10	ND	ND	106
T2W 18+50S	1.5	2.91	ND	ND	84	ND	.05	.3	5	14	22	3.11	.01	.33	1410	1	.01	10	.26	9	ND	ND	ND	ND	8	ND	ND	79
T2W 19+00S	1.6	4.24	ND	ND	65	ND	.03	.3	3	12	14	2.75	.01	.16	219	ND	.01	6	.07	8	ND	ND	ND	ND	5	ND	ND	66
T2W 19+50S	.3	2.62	4	ND	110	ND	.05	.1	5	24	17	5.70	.03	.30	447	1	.01	10	.33	22	ND	ND	ND	1	10	ND	ND	94
T2W 20+00S	1.4	3.91	ND	ND	104	ND	.03	.4	7	22	19	3.30	.01	.33	1112	3	.01	14	.13	12	ND	ND	ND	ND	6	ND	ND	126
T2W 20+50S	1.0	3.80	ND	ND	109	ND	.05	.2	7	17	22	2.81	.01	.29	923	1	.01	12	.16	9	ND	ND	ND	ND	8	ND	ND	96
T2W 21+00S	.5	3.61	ND	ND	77	ND	.03	.1	5	13	17	2.86	.01	.23	312	ND	.01	9	.20	10	ND	ND	ND	ND	5	ND	ND	75
T2W 21+50S	.1	2.57	4	ND	63	ND	.04	.1	4	11	13	3.16	.01	.16	236	ND	.01	8	.12	10	ND	ND	ND	ND	6	ND	ND	72
T2W 22+00S	.1	2.14	9	ND	75	ND	.07	.2	5	15	19	4.13	.01	.34	285	ND	.01	17	.23	15	ND	ND	ND	ND	8	ND	ND	109
T2W 22+50S	1.0	3.43	ND	ND	90	ND	.02	.2	5	14	25	3.12	.01	.21	408	ND	.01	13	.11	10	ND	ND	ND	ND	5	ND	ND	98
T2W 23+00S	.7	1.74	17	ND	92	ND	.04	1.1	7	22	32	3.76	.01	.26	759	1	.01	24	.25	32	ND	ND	ND	ND	6	ND	ND	145
T2W 23+50S	.1	2.79	ND	ND	156	ND	.39	4.4	10	16	25	3.26	.02	.42	2312	ND	.01	22	.13	12	ND	ND	ND	ND	38	ND	ND	335
T2W 24+00S	.1	2.28	5	ND	137	ND	.91	3.4	8	13	25	2.62	.03	.36	1858	ND	.01	31	.14	19	ND	ND	ND	ND	63	ND	ND	230
T2W 24+50S	1.6	3.01	3	ND	125	ND	.11	.9	8	15	29	3.18	.01	.27	909	ND	.01	20	.22	11	ND	ND	ND	ND	10	ND	ND	160
T2W 25+00S	.9	1.39	21	ND	151	3	.10	.4	9	31	44	3.94	.01	.59	458	1	.01	28	.16	17	ND	ND	ND	ND	12	ND	ND	144
T3W 0+00S	.2	2.65	ND	ND	157	ND	.13	1.3	9	22	17	3.06	.01	.39	508	ND	.01	17	.27	21	ND	ND	ND	ND	15	ND	ND	156
T3W 0+50S	.1	3.58	ND	ND	153	ND	.16	.6	17	22	22	4.13	.01	.46	821	ND	.01	17	.42	7	ND	ND	ND	ND	14	ND	ND	195
T3W 1+00S	.2	2.35	14	ND	155	ND	.12	1.4	14	33	53	3.20	.01	.77	1508	1	.01	48	.09	22	ND	ND	ND	ND	17	ND	3	154

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
T3W 1+50S	.1	1.88	14	ND	77	ND	.14	1.0	10	21	43	3.10	.01	.52	898	1	.01	33	.18	23	ND	ND	ND	ND	9	ND	ND	141
T3W 2+00S	.1	2.16	7	ND	176	ND	.11	1.1	8	23	30	2.88	.01	.47	863	1	.01	23	.13	17	ND	ND	ND	ND	13	ND	ND	122
T3W 2+50S	.1	1.50	12	ND	110	ND	.07	.1	7	23	26	3.90	.01	.40	590	1	.01	14	.22	13	ND	ND	ND	ND	9	ND	ND	92
T3W 3+00S	.1	1.74	13	ND	105	ND	.14	.6	7	27	39	3.69	.01	.56	497	2	.01	14	.24	9	ND	ND	ND	ND	17	ND	ND	103
T3W 3+50S	.2	2.15	7	ND	93	ND	.13	.6	6	19	24	2.95	.01	.34	548	1	.01	16	.12	13	ND	ND	ND	ND	12	ND	ND	98
T3W 4+00S	.1	1.64	8	ND	149	ND	.08	.1	9	23	23	3.05	.01	.44	1170	ND	.01	17	.17	14	ND	ND	ND	1	9	ND	4	165
T3W 4+50S	.1	1.60	7	ND	119	ND	.04	.1	7	24	24	3.89	.01	.31	833	1	.01	13	.14	19	ND	ND	ND	1	9	ND	ND	109
T3W 5+00S	.1	1.87	6	ND	334	ND	.25	1.4	12	29	26	3.01	.01	.63	6416	1	.01	28	.19	7	ND	ND	ND	ND	25	ND	ND	293
T3W 5+50S	.1	2.09	3	ND	143	ND	.08	1.9	11	22	31	3.37	.01	.54	1509	1	.01	21	.13	12	ND	ND	ND	ND	10	ND	ND	187
T3W 6+00S	.1	2.42	ND	ND	188	5	.11	1.1	12	22	27	3.30	.01	.67	2252	1	.01	19	.14	8	ND	ND	ND	ND	11	ND	ND	173
T3W 6+50S	.1	1.71	8	ND	157	ND	.19	1.4	9	17	14	2.63	.01	.47	1629	ND	.01	13	.16	8	ND	ND	ND	1	17	ND	3	175
T3W 7+00S	.1	2.13	6	ND	168	ND	.15	1.5	10	18	16	2.93	.01	.52	922	1	.01	15	.21	12	ND	ND	ND	ND	16	ND	ND	186
T3W 7+50S	.1	2.04	7	ND	182	ND	.24	3.0	11	20	22	2.75	.01	.61	1606	1	.01	23	.16	23	ND	ND	ND	ND	28	ND	5	205
T3W 8+00S	.3	2.06	11	ND	156	ND	.23	3.5	12	23	45	3.19	.01	.68	1423	1	.01	30	.17	9	ND	ND	ND	ND	23	ND	6	200
T3W 8+50S	.1	.82	24	ND	49	ND	.08	.1	4	16	29	3.28	.01	.10	176	3	.01	12	.15	13	ND	ND	ND	2	10	ND	ND	84
T3W 9+00S	.1	.97	20	ND	82	ND	.03	.3	5	14	22	3.33	.01	.29	559	2	.01	14	.19	12	ND	ND	ND	1	5	ND	ND	96
T3W 9+50S	8.2	1.15	15	ND	73	ND	.03	.4	4	13	16	2.85	.01	.43	265	1	.01	11	.14	7	ND	ND	ND	ND	7	ND	3	91
T3W 10+00S	.4	1.43	11	ND	66	ND	.04	.5	5	16	15	2.73	.01	.46	461	1	.01	11	.12	7	ND	ND	ND	ND	6	ND	4	106
T3W 10+50S	.1	.93	16	ND	215	ND	.11	.1	4	16	19	2.93	.01	.29	1045	1	.01	12	.15	16	ND	ND	ND	1	14	ND	4	81
T3W 11+00S	.2	1.39	13	ND	181	ND	.04	.2	6	22	20	3.87	.02	.33	482	2	.01	14	.19	14	ND	ND	ND	2	13	ND	4	96
T3W 11+50S	.2	1.12	19	ND	101	ND	.03	.1	4	17	19	2.85	.01	.27	391	2	.01	10	.12	25	ND	ND	ND	2	5	ND	ND	80
T3W 12+00S	.4	3.30	6	ND	140	ND	.06	.5	7	20	28	3.44	.01	.54	478	1	.01	20	.16	21	ND	ND	ND	ND	9	ND	ND	171
T3W 12+50S	2.2	4.60	ND	ND	74	ND	.05	.1	7	10	20	2.25	.01	.23	729	ND	.01	9	.17	8	ND	ND	ND	ND	7	ND	ND	107
T3W 13+00S	.1	1.72	12	ND	147	ND	.04	.4	6	14	21	2.96	.01	.34	2719	1	.01	18	.18	15	ND	ND	ND	ND	9	ND	ND	125
T3W 13+50S	.1	2.40	7	ND	97	ND	.03	.1	6	17	17	4.04	.01	.33	782	1	.01	12	.30	14	ND	ND	ND	ND	6	ND	ND	109
T3W 14+00S	1.0	2.29	8	ND	86	ND	.03	.1	5	16	21	3.51	.01	.25	555	1	.01	9	.17	14	ND	ND	ND	ND	6	ND	5	85
T3W 14+50S	.6	1.29	14	ND	89	ND	.04	.2	4	12	14	2.53	.01	.24	312	1	.01	9	.21	14	ND	ND	ND	1	6	ND	ND	83
T3W 15+00S	.2	2.07	11	ND	186	ND	.17	1.3	10	19	37	3.30	.02	.47	1024	1	.01	24	.14	15	ND	ND	ND	ND	22	ND	ND	121
T3W 15+50S	.1	1.56	14	ND	122	ND	.07	.5	7	24	35	2.93	.01	.55	529	2	.01	27	.17	10	ND	ND	ND	ND	18	ND	4	110
T3W 16+00S	.4	1.81	8	ND	291	ND	.18	.8	7	18	24	2.75	.01	.51	608	2	.01	27	.21	7	ND	ND	ND	ND	25	ND	4	148
T3W 16+50S	.2	1.83	33	ND	84	ND	.15	2.5	18	24	65	4.96	.05	.72	1434	10	.01	57	.22	19	ND	ND	ND	ND	15	ND	ND	275
T3W 17+00S	.1	1.13	15	ND	106	ND	.06	.1	4	14	23	2.90	.01	.22	479	2	.01	19	.29	14	ND	ND	ND	ND	10	ND	5	109
T3W 17+50S	.4	2.22	10	ND	75	ND	.02	.1	4	20	25	4.25	.01	.26	261	1	.01	11	.32	17	ND	ND	ND	ND	7	ND	4	86
T3W 18+00S	.3	2.75	12	ND	104	ND	.10	.4	4	19	22	3.10	.01	.37	684	1	.01	15	.25	9	ND	ND	ND	ND	13	ND	6	107
T3W 18+50S	1.0	2.42	6	ND	67	ND	.03	.1	4	16	20	4.17	.01	.27	577	1	.01	9	.13	9	ND	ND	ND	ND	6	ND	ND	90
T3W 19+00S	.1	1.93	17	ND	63	ND	.04	.1	6	16	21	3.82	.01	.49	482	2	.01	15	.18	13	ND	ND	ND	ND	7	ND	3	119
T3W 19+50S	.1	1.34	16	ND	118	ND	.03	.3	6	13	22	3.56	.01	.39	1644	1	.01	12	.14	24	ND	ND	ND	ND	6	ND	5	100
T3W 20+00S	.1	2.04	18	ND	83	ND	.02	.5	4	17	16	3.99	.01	.35	274	2	.01	14	.15	28	ND	ND	ND	ND	5	ND	4	95
T3W 20+50S	.1	1.97	17	ND	135	ND	.05	.1	8	19	18	4.02	.01	.43	682	4	.01	17	.12	17	ND	ND	ND	ND	10	ND	4	125

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
T3W 21+00S	.3	2.69	16	ND	132	ND	.06	1.3	11	20	32	3.55	.07	.60	1853	2	.01	20	.14	30	ND	ND	ND	ND	10	ND	ND	166
T3W 21+50S	.9	5.05	ND	ND	134	ND	.06	.7	8	22	29	3.15	.07	.40	657	1	.01	14	.38	9	ND	ND	ND	ND	11	ND	ND	113
T3W 22+00S	.4	2.81	12	ND	179	ND	.25	3.6	10	21	27	3.23	.10	.60	1654	5	.01	26	.11	30	ND	ND	ND	ND	34	ND	ND	170
T3W 22+50S	.6	1.50	17	ND	160	ND	.07	.4	6	22	25	3.20	.07	.49	216	3	.01	20	.06	17	ND	ND	ND	ND	15	ND	ND	95
T3W 23+00S	.9	1.92	15	ND	148	ND	.05	.3	6	26	32	4.21	.08	.75	474	3	.01	22	.16	19	ND	ND	ND	ND	9	ND	ND	129
T3W 23+50S	1.0	2.81	4	ND	141	ND	.53	1.5	12	30	34	3.25	.11	.62	1056	4	.01	20	.12	21	ND	ND	ND	ND	57	ND	ND	111
T3W 24+00S	.3	2.00	15	ND	135	ND	.60	1.1	12	27	36	3.15	.10	.81	979	1	.01	21	.10	41	ND	ND	ND	ND	57	ND	4	147
T3W 24+50S	.5	2.23	27	ND	157	ND	.17	1.2	18	40	66	4.17	.08	.82	1080	1	.01	23	.06	18	ND	ND	ND	ND	19	ND	ND	149
T3W 25+00S	.4	2.56	12	ND	138	ND	.31	1.4	11	19	33	3.05	.07	.47	1331	1	.01	17	.14	35	ND	ND	ND	ND	39	ND	ND	150

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Brian H. Meyer, Professional Geologist, of the City of Nelson, B.C. do hereby certify as follows:

1. I am a Professional Geologist registered in the Province of Alberta.
2. I am a graduate of the University of Alberta, year 1979, and have been practicing my profession since that time.
3. I have received no interest either directly or indirectly, nor do I expect to receive any interest in this property.
4. The foregoing report on the TOP ERIC GROUP mineral property is based on field work carried out under my direction and my personal examination of the property, visited on September 29th and 30th, 1985, and from previous related reports, and published material available from government geological departments.



Brian H. Meyer, P. Geol.

November 6, 1985

ITEMIZED COST STATEMENT

TOP/ERIC GROUP

PERIOD: September 29-30 (Field)
October 31, November 1-2 (Office)

PERSONNEL (Field)

B. Meyer - Geologist - 2 days @ \$200.00	\$ 400.00
D. Murray - Assistant - 2 days @ \$150.00	300.00
Vehicle - 2 days @ \$40.00	80.00
Sample Bags	35.00

PERSONNEL (Office)

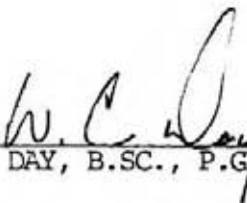
B. Meyer - 3 days @ \$150.00	450.00
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ANALYSES	2,468.40
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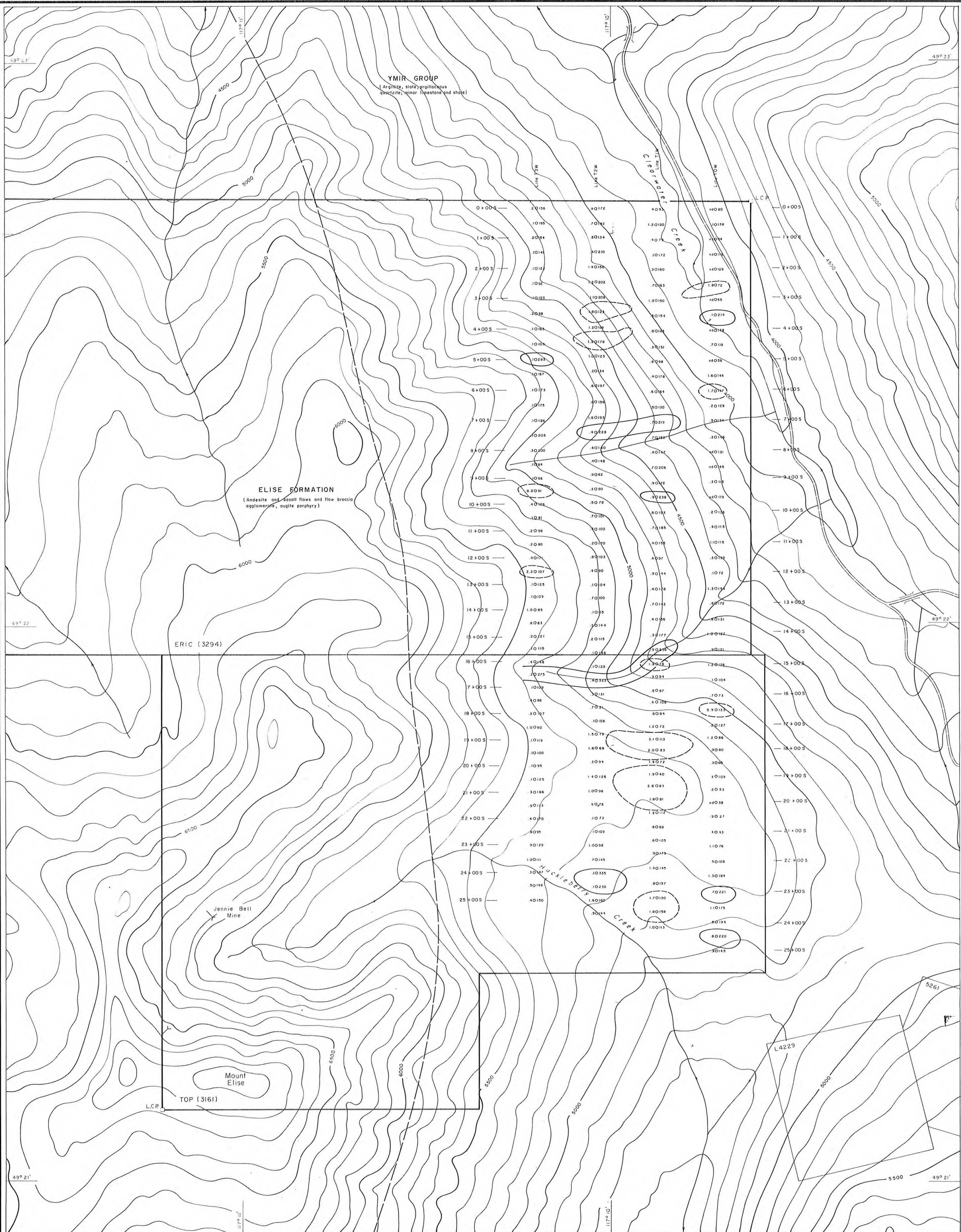
SHIPPING	31.35
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MAP PREPARATION	<u>800.00</u>
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\$4,569.75

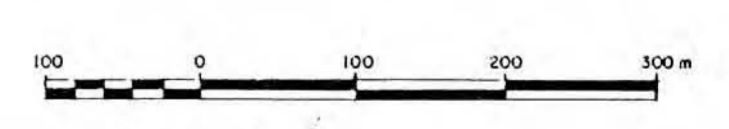


W.C. DAY, B.S.C., P.GEOL.



LEGEND

- Silver Value (ppm)
- Soil Sample Location
- Zinc Value (ppm)
- Silver Anomaly (>1.6 ppm)
- Zinc Anomaly (>210 ppm)
- Geological Contact (approximate)



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

GOLD RICH RESOURCES INC.
14-760
 TOP ERIC GROUP
**SOIL GEOCHEMISTRY
(SILVER-ZINC)**
 NELSON MINING DIVISION, B.C.

Scale = 1: 5000	NTS: 82F 6E
Date: NOVEMBER 1985	Dwg. No.: 3