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84-#787 - # 13104
6/85

Geochemical

ASSESSMENT REPORT

on the

MOUNT THORNHILL GOLD PROSPECT

(THORN 1-7 CLAIMS)

Skeena Mining Division - British Columbia

Lat. 54° 28' N.

Long. 128° 26' W.

N.T.S. 103 I/8W

for

SEASTAR RESOURCE CORPORATION

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

by

13,104

Donald G. Allen, P. Eng. (B. C.)

September 19, 1984

Vancouver, B. C.

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SUMMARY

Seastar Resource Corporation holds the Mount Thornhill gold prospect near Terrace, B.C. The property consists of 98 claim units. They cover the ridge between Zymoetz River, Sockeye Creek and Eight Mile Creek. Gold-silver occurrences are numerous and widespread. They are developed by a number of open cuts and short adits. Reported production in 1918 from the Beaver-Lucky Seven prospect (on the Thorn 5 and 6 claims) is 200 ounces of gold from 100 tons of ore. The property was worked periodically up until the 1930's but has remained idle since.

The Mount Thornhill Gold prospect lies along the eastern margin of the Coast Plutonic Complex. The claims are underlain by Paleozoic sedimentary rocks which are intruded by four phases of granodiorite and diorite and by dikes of andesite, quartz diorite and quartz-feldspar porphyry. Quartz veins locally containing galena, sphalerite, tetrahedrite, free gold and scheelite occur in faults and shear zones in the granodiorite and in schistose roof pendants.

The property was examined by the writer and S. Endersby on April 11, 1984 and subsequently by D. Cuvelier, S. Travis, and J. Travis during the period June 22 to 30, 1984. An attempt was made to locate and if possible, sample the workings described in the B.C. Minister of Mines reports. Reconnaissance geochemical sampling was carried out on the

western slopes of Mount Thornhill. Some of the previously known occurrences were found.

CONCLUSION

Numerous occurrences of gold and silver occur in faults, quartz veins and breccia zones in the Thorn claims. Gold values are in general low, but pods with spectacular free gold have been reported. Past work has consisted only of test pitting and production from open cuts and limited underground workings. Considering the abundance of showings, wide distribution, and presence of gold, silver, lead and zinc geochemical anomalies, a detailed exploration program consisting of geological mapping and geochemical sampling is warranted.

INTRODUCTION

The Mount Thornhill property is situated ten kilometres southwest of Terrace, B.C. The property consists of 98 claim units. The claims cover a number of gold vein prospects formerly known as the Beaver, Lucky Seven, A, B, Ptarmigan, Society Girl and St. Paul prospects. These prospects are part of the numerous gold, silver, lead, zinc, copper, molybdenum and tungsten deposits that lie along the eastern margin of the Coast Plutonic Complex.

Most of the previous work in the claim area was conducted during the periods 1914-1918, 1920-1921, 1924-1926, 1928 and 1933. Work consisted of underground development in a number of adits up to seventy feet long, trenching, and limited production. Recorded production from the Beaver-Lucky Seven (on the Thorn 3 and 5 claims) is 200 ounces of gold from 100 tons of ore. The adjacent Globe-Iron Hat prospect has a recorded production of 51 ounces gold and 42 ounces silver from 30 tons of ore.

This report summarizes results of prospecting and geochemical sampling carried out by D. G. Allen and S. Endersby on April 11, 1984 and by D. Cuvelier, S. Travis and J. Travis from June 22 to June 30, 1984. Snow conditions at the time hampered work but a number of the showings were located and sampled.

LOCATION, ACCESS, PHYSIOGRAPHY

The Mount Thornhill gold prospect is situated ten kilometres southwest of Terrace (Figure 1). The claims cover the Mount Thornhill-Mount Attree ridge which lies between Sockeye Creek, Eight Mile Creek and Zymoetz River (Figure 2). Except for the broad open ridge area, slopes are moderately steep and are cut by steep-walled narrow canyons cut by torrential creeks. The lower valley slopes of Sockeye Creek have been logged, but elsewhere they are covered with a virgin growth of hemlock, cedar, balsam fir and minor spruce with a light undergrowth of alder, huckleberry and false azalea.

Elevations range from 500 to 5050 feet (150 to 1550 metres). The northwestern part of the property is accessible by the road which leads to a microwave tower on the Mount Thornhill ridge to the north of the property.

CLAIM OWNERSHIP

The property consists of 98 claim units (Thorn 1-7, Figure 3). They are registered in the name of Douglas MacQuarrie but have been transferred to Seastar Resource Corporation. Claim data are as follows:

<u>Claim Name</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Expiry Date</u> ¹
Thorn 1	3922	4	June 30, 1985 *
Thorn 2	3923	10	June 30, 1985
Thorn 3	3924	20	June 30, 1984

SEASTAR RESOURCE CORP.
THORN CLAIMS
LOCATION MAP

SCALE 0 100 200 KILOMETRES
0 100 200 MILES

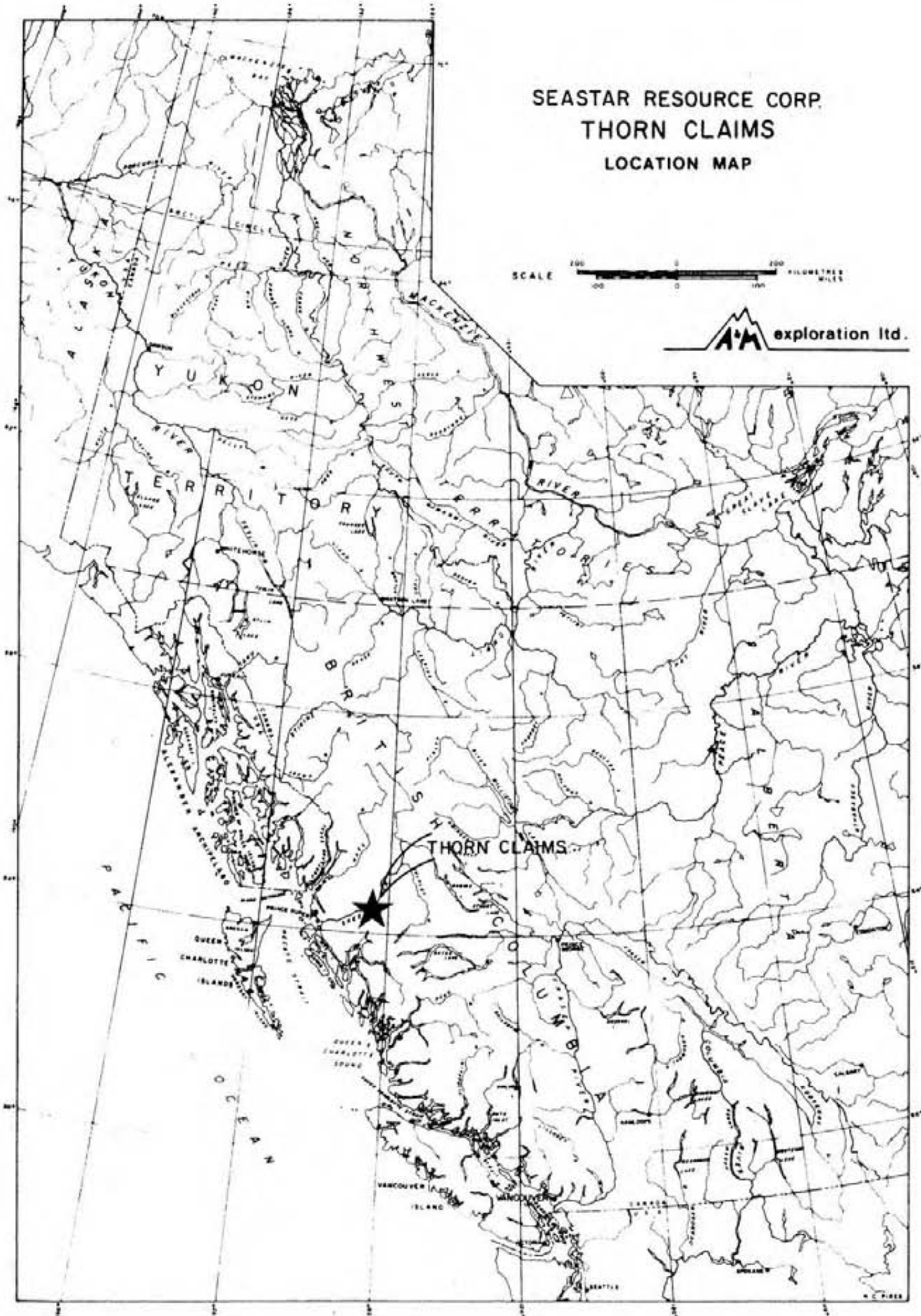
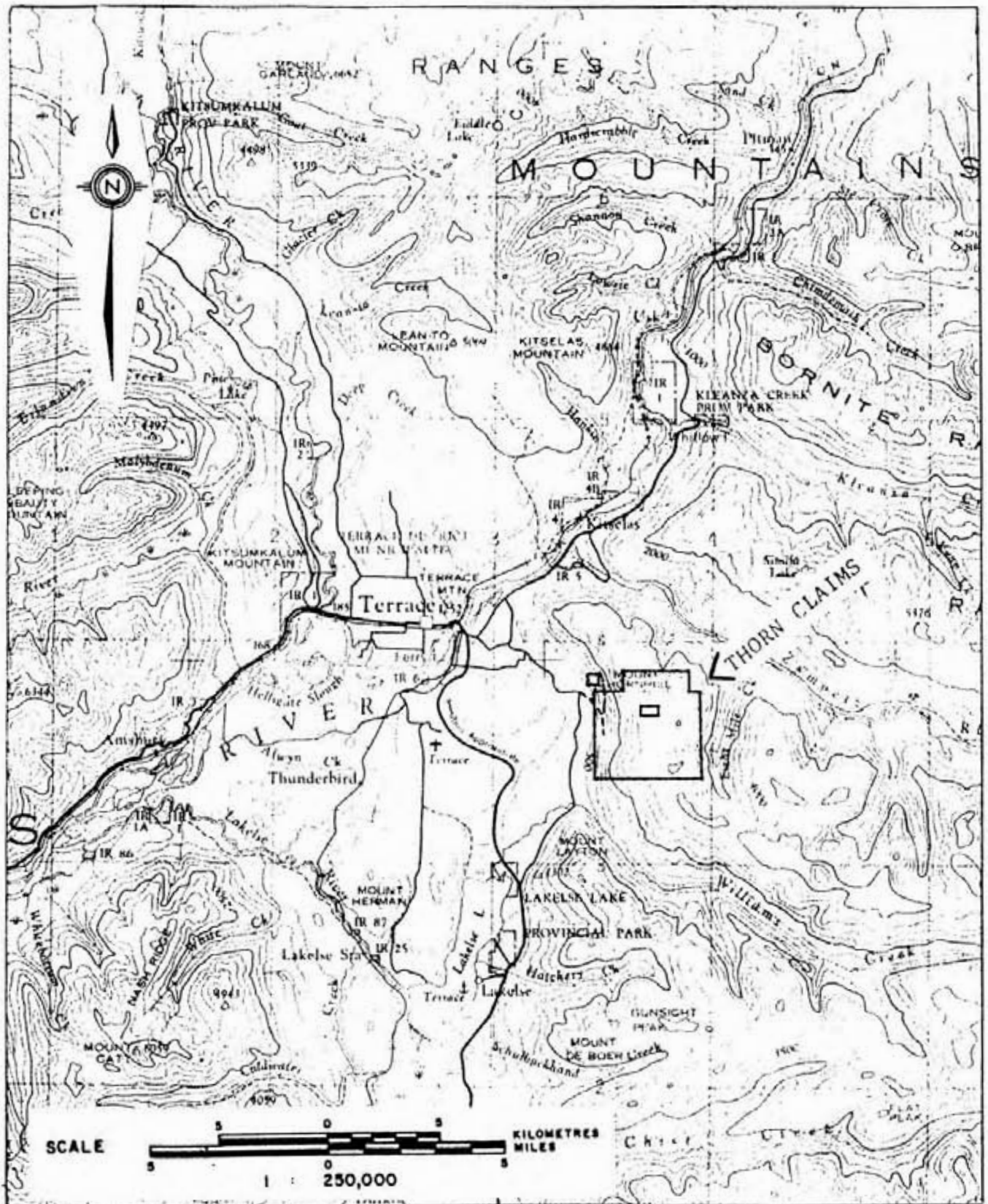


FIGURE - 1



N.T.S. 103-1

SEASTAR RESOURCE CORPORATION

ACCESS MAP

THORN CLAIMS

Skeena Mining Division - British Columbia



exploration Ltd

<u>Claim Name</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Expiry Date</u>
Thorn 4	3925	20	June 30, 1985
Thorn 5	3926	20	June 30, 1985
Thorn 6	3927	20	June 30, 1985
Thorn 7	6157	4	April 26, 1986

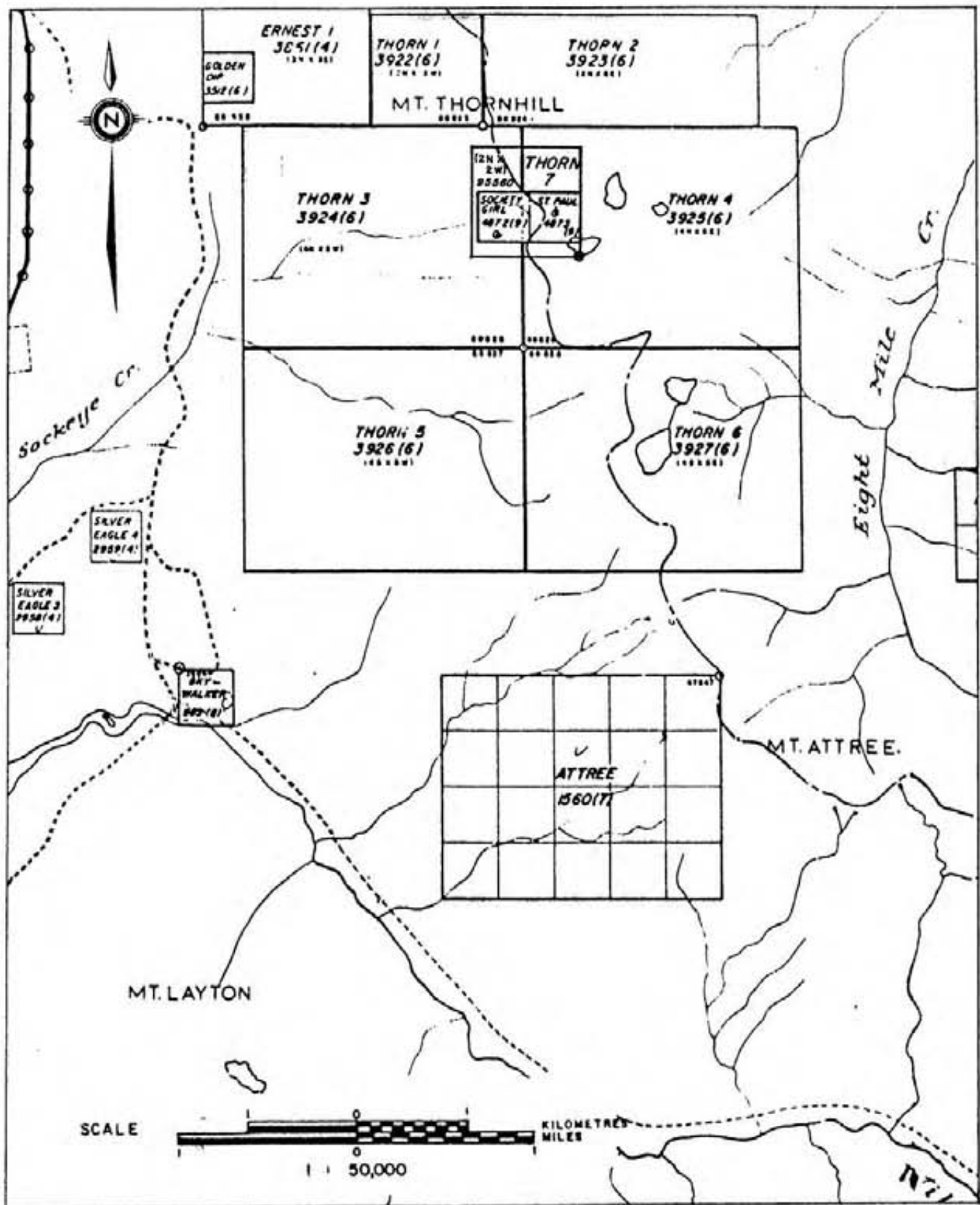
*Assuming this assessment report accepted.

GEOLOGY

The Thorn claims are in the Terrace Map Area of Duffell and Souther (1964). The property lies along the eastern margin of the Coast Plutonic Complex where it intrudes Paleozoic and Mesozoic sedimentary and volcanic rocks. According to Duffell and Souther, sedimentary rocks of Permian and/or earlier age including greenstone, shale and limestone outcrop on the northern part of the Thorn 1 and 2 claims. The remainder of the claim group is underlain by plutonic rocks comprising various phases of granodiorite and diorite. Various types of dike rocks include quartz diorite, andesite, quartz-feldspar porphyry and lamprophyre.

MINERALIZATION

The gold occurrences on Mount Thornhill have been described in numerous Annual Reports of the B. C. Department of Mines and much of the past work has been summarized by Hanson (1925), Marshall (1926), and Kindle (1937). The following summary is based mainly on Kindle. The various



N.T.S. 103-1/8W

SEASTAR RESOURCE CORPORATION
CLAIM MAP
 THORN CLAIMS

Skeena Mining Division - British Columbia

prospects are plotted on Figure 4. Their positions are plotted from descriptions from the above reports. The Beaver-Lucky Seven, Ptarmigan-Society Girl and Golden Nib showings were located but because of snow and collapsed workings could not be examined in detail.

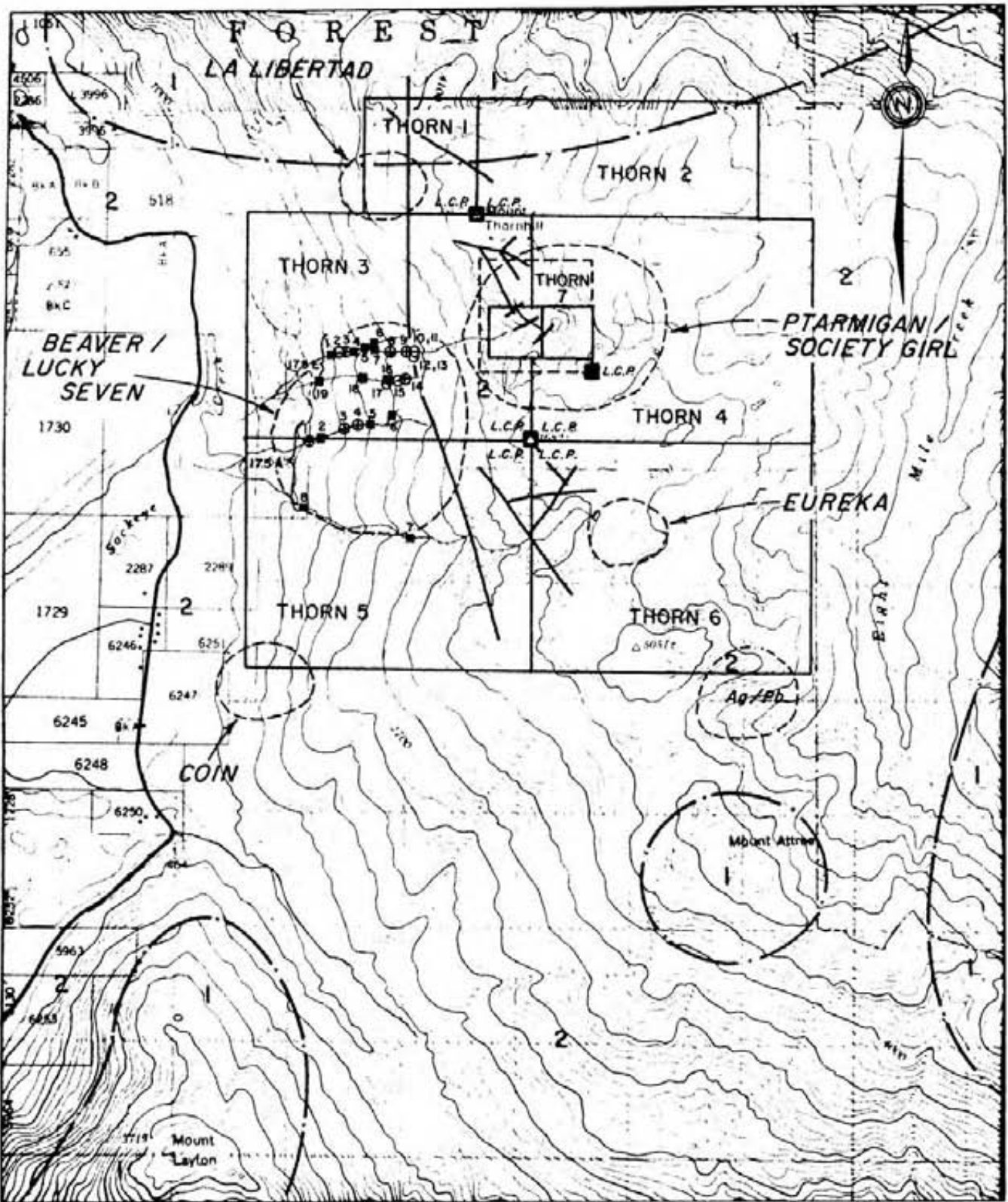
Beaver-Lucky Seven (A & B)

Flat lying quartz veins are reported to occur at an elevation of about 3,200 feet (Figure 5a). The veins occur in granodiorite at the junction of quartz diorite and quartz-feldspar porphyry dikes. Small rich pockets of free gold are reported in a vein on the south side of a creek bed. Reported production from this vein is \$4,000 in free gold (200 ounces). Gold values of up to 0.46 ounces per ton and silver values of up to 108.7 ounces per ton occur in a barite-quartz gangue. Kindle states that additional pockets of free gold might be found by driving along the vein in a southeast direction.

On the B claim at an elevation of 3,025 feet a north-easterly dipping vein averages 2.5 feet wide (often to six feet). It is locally mineralized with pyrite, sphalerite and galena. Channel samples are reported to range from trace to 0.10 oz/ton gold and 1.73 ounces silver.









Society Girl-Ptarmigan

The Society Girl showing is presumably covered by the recently expired Society Girl-St. Paul claims shown on Figure 3 (now covered by the Thorn 7 claim). A sketch of the showing, based on descriptions from B. C. Minister of Mines Annual



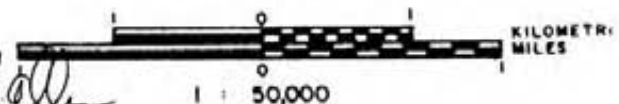
N.T.S. 103 1/8, 9

LEGEND

-  Silt sample site, sample number; (175 A and 175 E series).
-  Soil sample site, sample number.
-  Rock sample site, sample number.
-  Lineaments
-  Mineral showings (approx. locations).
-  Geological contact.
-  COAST PLUTONIC COMPLEX
Granodiorite, diorite.
-  PERMIAN AND/OR EARLIER
Sedimentary and volcanic rocks.

SEASTAR RESOURCE CORP.
THORN CLAIMS
GEOLOGY AND
SAMPLE SITES

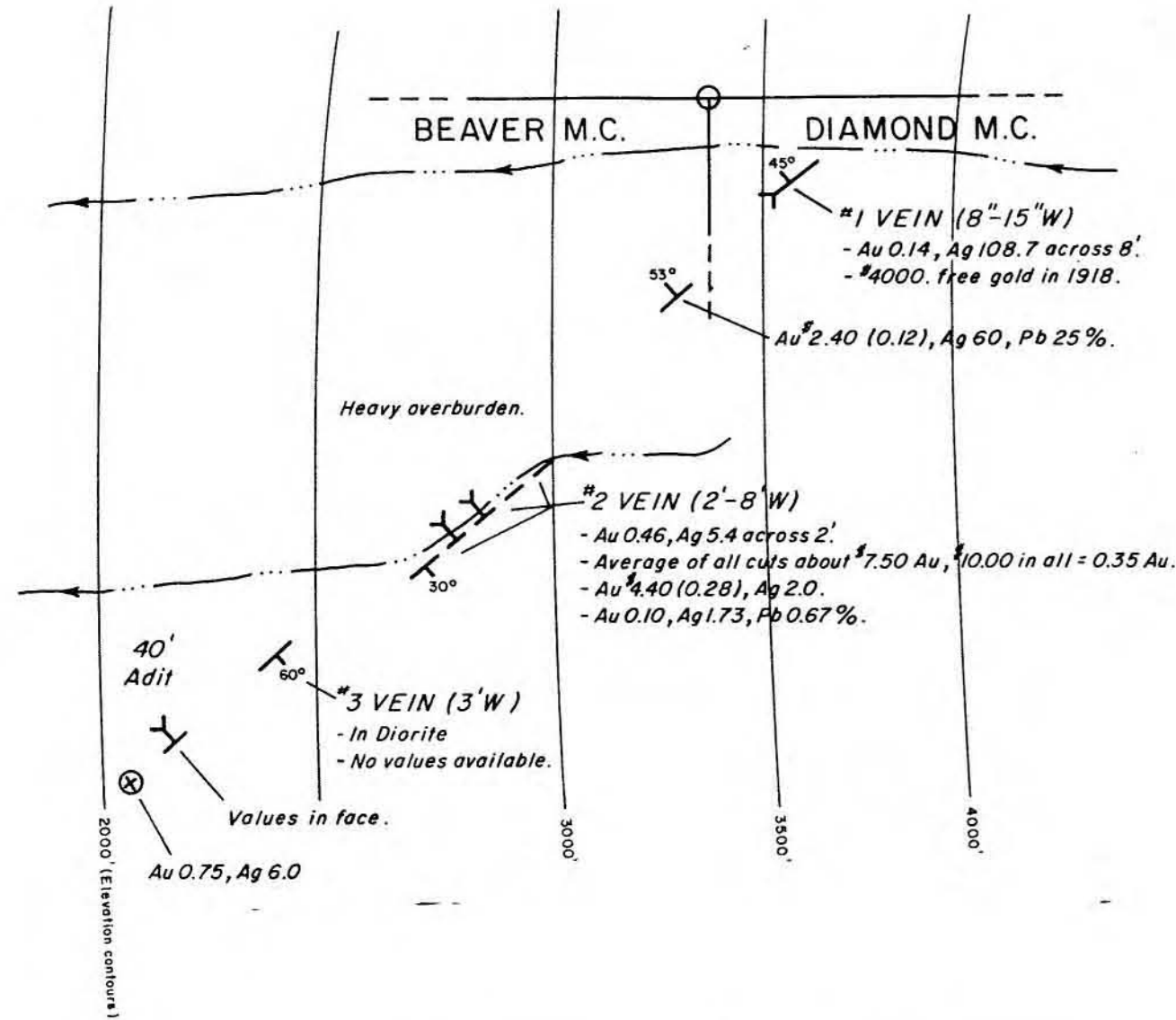
SCALE



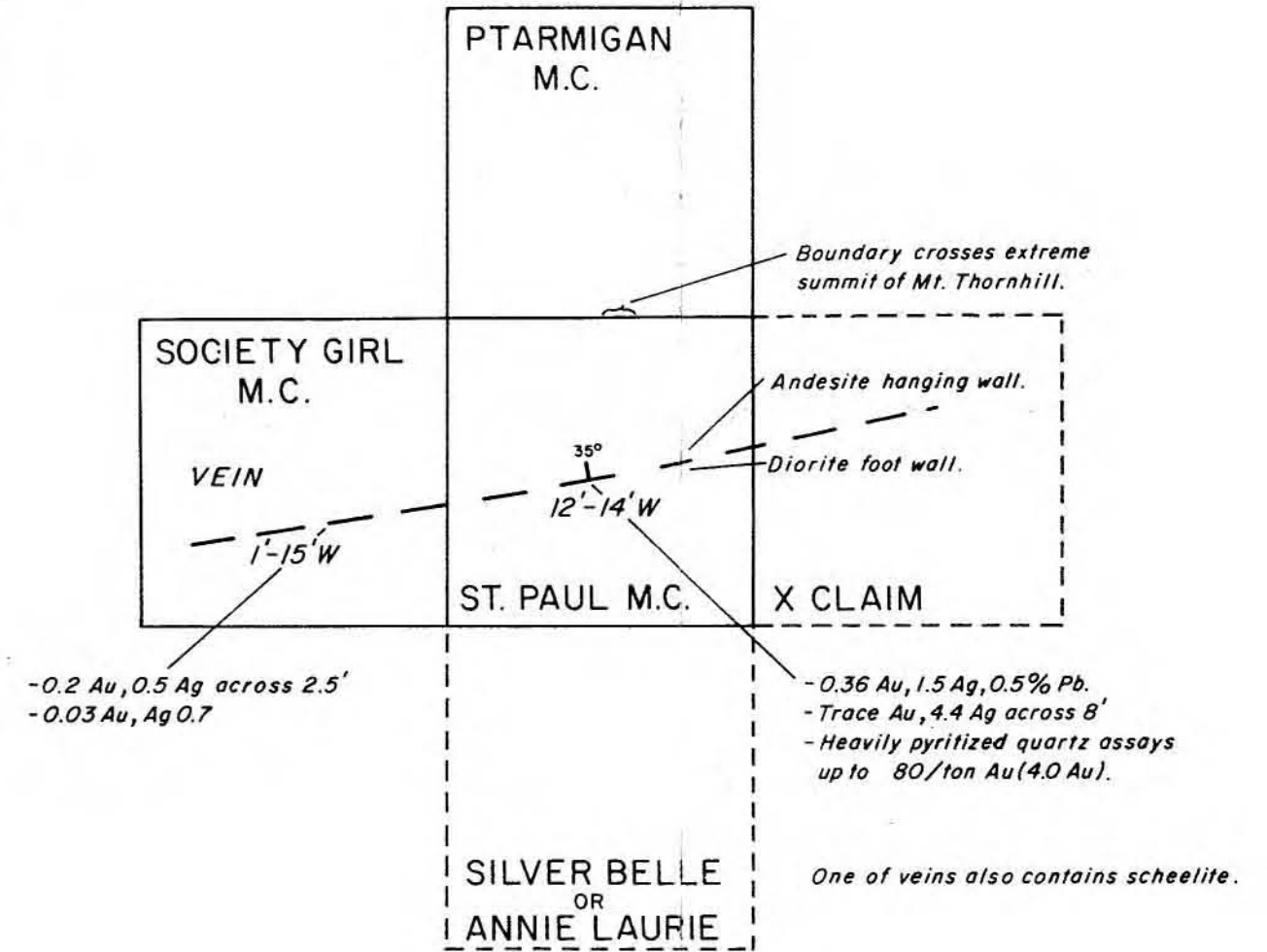
Donald J. Allen
AM exploration Ltd

Figure 4

5a. LUCKY SEVEN / BEAVER



5b. PTARMIGAN / SOCIETY GIRL



N.B. Sketches derived from old notes. Accuracy uncertain - Not to Scale.

Au, Ag values plotted are in ounces per ton;
1918 dollar values quoted.

SEASTAR RESOURCE CORP.
THORN CLAIMS
ROUGH SKETCH
OF
MINERAL SHOWINGS

Donald G. Allen
A.M. exploration Ltd

Reports is presented in Figure 5b. The vein on the old Society Girl claim is reported to be one to fifteen feet in width and has been traced for more than 1000 feet. Free gold has been reported to have been panned from it in different places. A "typical" sample reported by the B. C. Department of Mines (Annual Report for 1914, p. 113) grades 0.36 oz/ton gold, 1.5 oz/ton silver and 0.5% copper.

The St. Paul claim covers a quartz vein, presumably the same as on the Society Girl, which averages about twelve to fourteen feet in width. Pyrite-rich samples have assayed up to \$80/ton (4 oz Au/ton - 1918 B.C.D.M. Ann. Rept., p. 50).

Quartz outcroppings similar to that on the Society Girl are reported on the Silver Belle claim which was on the south side of the Society Girl.

The Ptarmigan claim adjoined the St. Paul claim to the north. Kindle reports a narrow roof pendant of schist rock that contains quartz and carbonate stringers carrying grey copper, chalcopyrite and pyrite over a width of 85 feet. A chip sample from an open cut on the mineralized outcrop is reported by Kindle to have assayed 0.01 oz/ton gold and 1.6 oz/ton silver. Kindle describes two other sheared roof pendants, one of greenstone containing quartz and carbonate stringers sparsely mineralized with chalcopyrite and pyrite and the other heavily impregnated with pyrite. Neither were sampled or assayed.

Annie Laurie

The Annie Laurie claim was situated on the south side of the St. Paul claim. According to Kindle, a rock trench 25 feet long, four feet wide and five feet deep on the claim has been cut along a quartz lens enclosed in grey granodiorite. "Scheelite is sparingly scattered through the white garnet and is in the form of irregular shaped nodules one to two inches in diameter. In specimens on the dump, sphalerite, galena, pyrite and free gold were seen, the gold occurring in weathered covies in the quartz."

Golden Nib-Globe-Star

The Golden Nib prospect occurs off the northwest corner of the Thorn claims. It is probably covered by the Golden Dip claim (Figure 3). Lens shaped bodies of quartz, some mineralized with pyrite, occur in a shear zone five to fifteen feet wide and about 1,000 feet long. A thirty ton shipment from workings on this prospect gave net returns of 1.6 oz/ton gold, 1.4 oz/ton silver and 1.1% copper (B. C. Dept. Mines Ann. Rept. for 1928, p. 76).

La Libertad

The La Libertad prospect lies between elevations 4,700 and 5,000 feet. Two northeast trending faults contain quartz veins up to eighteen inches wide. Seams of chalcopyrite, grey copper and galena occur locally in the vein samples and have been reported to carry low to good values in gold and silver.

Coin

The Coil claim was situated near the southwest corner of the Thorn 5 claim. Kindle states:

"A quartz vein occurs in granodiorite at an elevation of 800 feet. It strikes south 80 degrees east and dips 30 degrees northeast into a steep slope. The vein is exposed for a distance of about 80 feet and has an average width of about 14 inches. Midway along the vein exposure a 20-foot adit has been driven. On the face of the adit the granodiorite above the vein has been altered over a width of 3 feet. It is bleached and silicified and is impregnated with fine-grained pyrite."

Assays reported by Kindle range from 0.01 to 0.02 oz/ton gold and 0.06 to 1.04 oz/ton silver.

Eureka

Molybdenite occurs at the Eureka prospect over an area of about 100 by 200 feet. It occurs and is associated with muscovite, tourmaline, pyrite and epidote as nodules and disseminated grains in granite and pegmatite dikes.

Silver-lead Showing

A quartz vein containing galena, pyrite and chalcopyrite is reported by Marshall to occur near the southeast corner of the Thorn 6 claim. The vein is 1 to 1.5 feet wide, horizontal and can be traced for sixty feet. A brecciated zone 100 feet wide and made up of a number of small quartz veins up to six inches wide is also reported in the area.

1984 WORK PROGRAM

Work carried out in 1984 included prospecting and geochemical sampling (Figures 6a, 6b and 6c).

The Beaver-Lucky Seven showings were located between 2,800 and 3,000 feet elevation. They were found to be caved and hence could not be adequately sampled. However, a number of geochemically anomalous soil, silt and dump samples were obtained (e.g., CT 77, 79, 102 - see Rock Sample Descriptions). Some of the workings on the Ptarmigan-Society Girl prospect were also located although snow cover in the area was heavy. Best sample result was from a seven centimetre sulphide-rich section of a one metre wide vein (Sample JT 19, 0.46 oz/ton Au). Underground workings of the Golden Nib Globe-Star prospect were also located but were found to lie off the Thorn 3 claim to the northwest. Significant gold values, 0.038, 0.122 oz/ton Au in samples JT 32 and 22 were obtained from the latter.

Reconnaissance soil and silt geochemical sampling was carried out in selected parts of the claim group in an attempt to outline any areas of interest and to help locate the workings. Soil material sampled consisted of B Horizon material taken at depths of 20 centimetres or more. Parent material is mainly glacial till. Silt samples consisted of fine material taken from the active part of stream channels. Soil or silt material was placed in Kraft paper bags and shipped to Rossbacher Laboratory Ltd. and analyzed for Mo,

Cu, Ag, Zn, Pb and Au by standard atomic absorption techniques. Sample sites and selected analytical results are plotted on Figures 5a and 5b. Results are also included in Appendix II.

A number of anomalous gold (up to 12000 ppb) and silver (1.2 ppm) values were found in the vicinity of the Beaver workings of the Beaver-Lucky Seven showings.

Molybdenum was found to be anomalously high (5-186 ppm) in the southeastern part of the Thorn 3 claim. Source of the anomaly has not yet been located.

Copper values are locally anomalous (100 to 400 ppm) in silt and soil samples from the central part of the Thorn 3 claim.

Zinc values appear to be anomalous, mainly in silt samples (up to 840 ppm) but also in a few soil samples (up to 216 ppm) below and to the southwest of the Beaver-Lucky Seven showings.

A few scattered lead geochemical anomalies (30-184 ppm) occur in the area sampled.

Donald J. Allen

TABLE 1

ROCK SAMPLE DESCRIPTIONS

<u>Sample No.</u>	<u>Descriptions</u>	<u>ppb Au</u>
175 CT 68	Rusty weathering granodiorite float.	10
70	Rusty weathering quartz float.	10
73	Rusty barren quartz float.	380
74	Rusty quartz from suboutcrop.	10
77	Quartz containing sphalerite and galena from dump, near workings.	0.02 oz/ton
78	Quartz vein with minor pyrite (channel sample).	10
78b	Rusty weathering sericitized granodiorite.	10
79	Quartz vein 25 cm wide; contains pyrite and minor galena.	0.004 oz/ton
84	Rusty weathering quartz veins.	10
93	Quartz porphyry.	10
96	Narrow quartz vein.	10
100	Quartz float near trench.	10
102	Quartz vein 4 m wide, rusty weathering.	6700
107	Quartz and granodiorite at caved adit.	10
116	Quartz vein float.	10
175 JT 19	Channel sample across sulphide-rich section (7 cm) of vein up to 1 m wide in 2 m long adit.	0.46 oz/ton
20	Quartz vein north of adit, containing minor galena.	0.008 oz/ton
21	Chip sample from quartz vein in adit.	0.038 oz/ton
22	Grab sample from quartz vein in adit.	0.122 oz/ton
23	Schist wall rock near adit.	10
32	Quartz float near old trench.	10
175 ET 3	Quartz diorite float.	320
8	Rusty quartz diorite float.	10
9	Rusty quartz diorite float.	10
14	Quartz vein and hanging wall material.	10
175 AT 1	Float - py Qtz-veined granodiorite.	10
3	Qtz float with galena & sphalerite.	0.005 oz/ton
4	Barren quartz-veined granodiorite.	10

REFERENCES

- B.C. Department of Mines Annual Reports for 1914, 1910, 1920, 1921, 1924, 1925, 1926, 1928, 1930, 1933.
- Duffell, S. and Souther, J.G. (1964). Geology of Terrace Map Area, B.C. Geol. Survey Canada, Memoir 329.
- Hanson, G. (1925). Reconnaissance in Zymoetz River Area, Coast District, B.C. Geol. Survey Canada, Summary Report 1925A pp. 100-119.
- Kindle, E.D. (1937). Mineral Resources of Terrace Area, Coast District, B.C. Geol. Survey Canada, Memoir 205.
- Marshall, J.R. (1926). Lakelse Map-Area, Coast District, B.C. Geol. Survey Canada, Summary Report 1926A pp. 35-44.

CERTIFICATE

I, Donald G. Allen, certify that:

1. I am a Consulting Geological Engineer, of A & M Exploration Ltd., with offices at #214 - 850 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with degrees in Geological Engineering (B.A.Sc., 1964; M.A.Sc., 1966).
3. I have practised my profession of exploration geologist since 1964 to present in British Columbia, the Yukon, Alaska and various parts of the Western United States.
4. I am a member in good standing of the Association of Professional Engineers of British Columbia.
5. This report is based on fieldwork carried out on June 22 to 30, 1984, by the writer, S. Endersby, P. Eng., S. Travis, D. Cuvelier, J. Travis, and on References listed in the text of this report.

Vancouver, B.C.
September 19, 1984


Donald G. Allen,
P. Eng. (B.C.)

APPENDIX I
AFFIDAVIT OF EXPENSES

AFFIDAVIT OF EXPENSES

This will certify that prospecting and geochemical sampling were carried out during the period June 22 to 30, 1984, on the Thorn 1 to 7 claims, Mount Thornhill area, Skeena Mining Division, British Columbia to the value of the following:

Mobilization and fieldwork

Salaries

D. G. Allen	\$ 525.00
S. E. Endersby	300.00
S. Travis	1,260.00
D. Cuvelier	1,260.00
J. Travis	1,260.00

Field supplies	364.23
Room and board	988.46
Vehicle rental, travel and gas	926.56
Helicopter support	246.76
Airfare	650.98
Geochemical analyses and assays	1,397.94
Telephone	46.69

Report preparation

D. G. Allen	2 days @ \$350	700.00
Photocopying, maps		95.00
Typing, draughting		558.00

Total \$10,579.62

D. G. Allen
P. Eng. (P. C.)
Donald G. Allen

APPENDIX II
ANALYTICAL RESULTS

ROSBACHER LABORATORY LTD.

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL: (604) 299-6910

CERTIFICATE OF ANALYSIS

TO: A&M EXPLORATION LTD.
214-850 W. HASTINGS St.
VANCOUVER B.C.

CERTIFICATE NO. :84217 - 2

INVOICE NO. :4218

PROJECT: THORN 175

DATE ANALYSED :JULY 12 1984

		PPM	PPM	PPM	PPM	PPM	PPB
SAMPLE#		Mo	Cu	Ag	Zn	Pb	Au
S	175 TS 4	4	30	0.2	66	12	10
S	5	2	28	0.2	50	8	10
S	6	1	16	0.2	42	8	10
S	7	2	28	0.6	76	8	10
S	8	2	20	0.4	54	12	10
S	9	1	16	0.6	54	10	6
S	10	2	26	0.2	60	10	10
S	11	1	56	0.2	110	6	10
S	175 TS 12	3	156	0.2	116	6	10
S	13	3	54	0.2	140	2	10
S	14	1	28	0.4	58	4	10
S	15	1	24	0.4	58	10	10
S	16	8	44	0.4	62	10	10
S	17	3	76	0.2	124	2	10
S	18	2	34	0.4	92	8	10
S	19	2	16	0.2	32	6	10
S	20	1	22	0.4	38	10	10
S	21	1	20	0.4	54	12	10
S	175 TS 22	1	18	0.2	42	8	10
S	23	1	16	0.2	30	22	10
S	24	5	30	0.2	44	10	10
S	25	3	18	0.4	38	12	10
S	26	2	20	0.2	40	12	10
S	27	15	38	0.8	82	184	10
S	28	1	80	0.2	68	10	10
S	29	8	28	0.2	66	10	10
S	30	26	30	0.2	78	16	10
S	31	26	42	0.2	80	24	10
S	175 TS 32	22	86	0.2	102	28	10
S	33	17	56	0.2	134	30	10
S	34	6	12	0.2	44	2	10
S	35	4	18	0.2	34	26	10
S	175 TS 36	2	8	0.2	28	8	10
S	175 JS 1	2	42	0.2	54	6	10
L	2	1	70	0.2	128	30	10
L	3	1	22	0.2	32	4	10
L	4	2	16	0.2	42	6	10
L	175 JS 5	2	48	0.4	180	44	640
L	175 JS 6	1	8	0.2	24	4	10
L	5 7	1	10	0.2	34	6	10

CERTIFIED BY :

J. Rosbacher

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE
 BURNABY, B.C. V5B 3N1
 TEL: (604) 299-6910

TO: A&M EXPLORATION LTD.
 214-850 W. HASTINGS St.
 VANCOUVER B.C.

CERTIFICATE NO. :84217 - 1

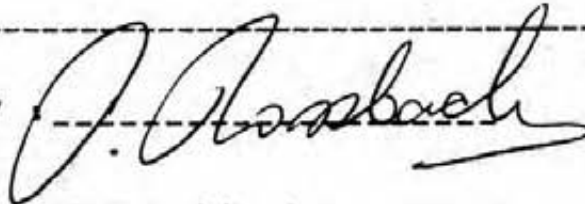
INVOICE NO. :4218

PROJECT: THORN 175

DATE ANALYSED :JULY 12 1984

			PPM	PPM	PPM	PPM	PPM	PPB
	SAMPLE#		Mo	Cu	Co	Zn	Pb	Au
A	175 CT 68	3	100	0.2	420	16	10	
A	70	1	28	0.2	420	8	10	
A	73	2	12	0.4	18	98	380	
A	74	2	38	0.2	48	54	10	
A	78	1	4	0.2	8	6	10	
A	78b	2	48	0.2	94	6	10	
A	84 CT 84	1	6	0.2	680	14	10	
A	93	1	4	0.2	36	6	10	
A	96	1	6	0.2	24	2	10	
A	100	1	10	0.2	12	2	10	
A	102	12	238	30.6	316	940	6700	
A	107	2	14	0.2	98	10	10	
A	84 CT 116	1	22	0.2	22	4	10	
A	84 JT 23	1	270	0.2	122	2	10	
A	84 JT 32	1	4	0.2	20	2	10	

CERTIFIED BY



ROSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

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TO: A&M EXPLORATION LTD.
214-850 W. HASTINGS St.
VANCOUVER B.C.

CERTIFICATE NO. : 84217 - 3

INVOICE NO. : 4218

PROJECT: THORN 175

DATE ANALYSED: JULY 17 1984

SAMPLE#		PPM No	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPM Au
S	175 JL 8	1	72	0.2	94	6	10
L	L 9	1	38	0.2	94	6	10
S	S 10	4	20	0.2	66	8	10
S	L 11	1	46	0.4	192	20	10
L	S 12	3	20	0.2	64	12	10
S	S 13	2	30	0.6	70	12	10
S	S 14	1	46	0.6	116	16	10
L	S 15	7	50	0.4	216	4	10
L	S 16	3	14	0.4	88	2	10
L	S 17	1	6	0.2	32	4	10
S	L 18	1	66	0.8	158	78	10
S	S 24	3	22	0.6	54	14	10
S	S 25	2	26	0.2	56	10	10
S	S 26	1	14	0.2	34	8	10
S	L 27	8	14	0.2	32	14	10
S	S 28	1	12	0.2	30	4	10
S	S 29	46	64	0.8	104	10	10
S	175 JS 30	2	20	0.8	54	26	10
S	S 31	8	48	0.4	62	8	10
S	S 33	186	60	0.4	70	24	10
S	S 34	15	12	0.2	36	4	10
S	175 JS 35	13	14	0.2	40	10	10

CERTIFIED BY :

J. Rosbach

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL: (604) 299-6910

TO: A&M EXPLORATION LTD
214-850 WEST HASTINGS ST
VANCOUVER B.C.

CERTIFICATE NO. :84066 - 1

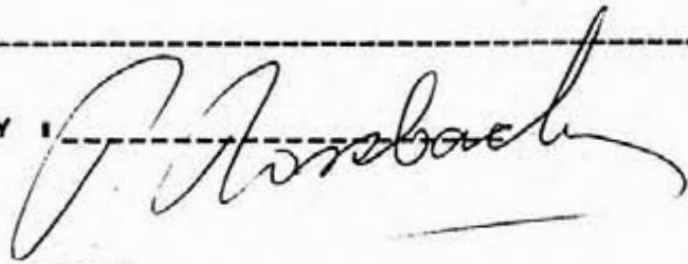
INVOICE NO. :4083

PROJECT: 84-175

DATE ANALYSED :APRIL 19 1984

SAMPLE#	oz/t	oz/t	%	%
	Au	Ag	Pb	Zn
175 AT 3	0.005	0.06	0.10	0.12

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL: (604) 299-6910

TO: A&M EXPLORATION LTD.
214-850 W. HASTINGS ST.
VANCOUVER B.C.

CERTIFICATE NO. : 84217 - 1

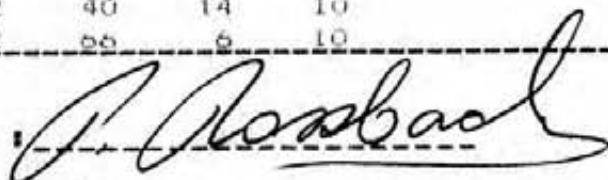
INVOICE NO. : 4218

PROJECT: THORN 175

DATE ANALYSED : JULY 12 1984

	SAMPLE#	PPM No	PPM Cu	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	175 CS 83	1	64	0.8	98	22	10
S	84	1	60	0.4	94	12	10
S	85	1	54	0.6	128	20	10
S	86	1	22	1.2	116	8	10
L	L 87	2	90	0.6	148	16	10
L	71	4	60	0.4	120	22	20
L	77	4	62	0.8	136	24	10
L	75	3	66	0.8	108	36	10
S	S 74	4	50	0.4	74	22	10
S	175 CS 80	3	48	0.4	52	6	10
S	81	1	24	0.6	28	4	10
S	82	1	16	0.6	32	6	10
S	83	1	14	0.4	82	4	10
S	85	1	26	0.4	68	6	10
L	L 87	1	36	0.2	64	22	10
S	S 88	1	20	0.6	24	6	10
S	89	1	16	0.4	28	8	10
S	90	1	14	0.8	18	6	10
S	91	1	26	0.4	78	16	10
S	175 CS 92	1	82	0.4	72	10	10
S	94	2	50	0.2	54	8	10
S	95	2	42	0.2	74	4	10
S	97	3	20	0.2	66	8	10
S	98	3	34	0.2	42	10	10
S	99	4	36	0.2	52	12	10
S	101	1	92	0.2	88	12	10
S	103	5	90	2.4	92	34	10
S	104	2	198	0.4	114	10	10
S	106	2	30	0.2	72	12	10
S	175 CS 108	6	32	0.4	68	14	10
L	L 109	5	58	0.8	90	8	310
L	110	3	46	0.4	76	6	10
L	111	4	100	1.4	98	6	10
S	S 112	1	32	0.4	28	10	10
S	113	2	32	0.8	46	4	10
S	114	7	86	0.6	46	8	10
S	175 CS 115	1	10	0.2	30	6	10
S	175 IS 1	1	10	0.2	32	4	10
S	175 IS 2	1	16	0.2	40	14	10
S	175 IS 3	1	28	0.2	66	6	10

CERTIFIED BY



ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL: (604) 299-6910

TO: A-M EXPLORATION INC.
5950 W. HASTINGS ST.
VANCOUVER B.C.

CERTIFICATE NO. : 54217-A

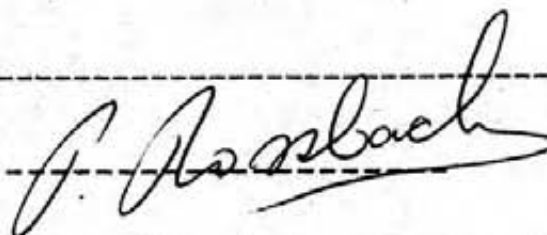
INVOICE NO. : 4218

PROJECT: THORN 175

DATE ANALYSED : JULY 25 1984

		oz/t	oz/t	%	%	%
	SAMPLE#	AU	AG	CU	PB	ZN
A	175 CT 77	0.020	0.04	0.01	0.02	1.88
A	175 ST 79	0.004	0.02	0.01	0.02	0.02
A	175 JT 19	0.40	2.70	0.04	1.58	1.03
A	175 JT 20	0.008	0.40	0.01	1.08	0.02
A	175 J1 21	0.038	0.04	0.01	0.02	0.02
A	175 JT 22	0.122	0.76	1.20	0.02	0.02

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 SOUTH SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL: (604) 299-6910

TO: A&M EXPLORATION CO.
214-850 WEST HASTINGS ST
VANCOUVER B.C.

CERTIFICATE NO. :84066 - 2

INVOICE NO. :4083

PROJECT: 84-175

DATE ANALYSED :APRIL 19 1984

SAMPLE#	PPM		PPM	PPM	PPM	PPM	PPB
	Mo	Cu	Ag	Zn	Pb	Au	
175 AL 2	1	74	0.2	190	22	10	
175 AL 5	2	86	0.4	266	58	10	
175 AL 6	8	88	0.4	580	80	10	
175 AL 7	1	64	0.2	146	26	10	
175 AL 8	1	56	0.6	124	48	10	
175 EL 1	1	100	0.2	122	18	60	
175 ES 2	1	400	0.2	148	2	10	
175 ET 3	1	6	0.2	24	4	320	
175 EL 4	1	72	0.8	132	32	10	
175 EL 5	1	68	0.2	104	20	30	
175 EL 6	1	124	0.2	104	16	10	
175 EL 7	2	78	0.2	154	22	10	
175 ET 8	1	20	0.8	98	4	10	
175 ET 9	1	4	0.2	26	2	10	
175 ES 10	2	68	1.2	136	740	10	
175 ES 11	2	34	0.8	68	16	10	
175 ES 12	1	50	0.2	86	8	10	
175 ES 13	1	40	0.2	58	10	10	
175 ET 14	1	24	0.2	30	4	10	
175 ES 15	1	26	0.2	66	12	140	
175 EL 16	1	52	0.6	840	18	12000	
175 ET 17	5	4	0.2	30	36	10	
175 EL 18	2	58	0.2	224	62	80	
175 EL 19	1	64	0.6	156	66	10	
175 AT 1	1	20	0.2	34	4	10	
175 AT 4	1	16	0.2	12	10	10	

CERTIFIED BY :

