ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 90.02.07

ASSESSMENT REPORT 18370 MINING DIVISION: Omineca

PROPERTY: Thorne
LOCATION: LAT 56 49 00 LONG 126 38 00
UTM 09 6299263 644465
NTS 094D15E
CLAIM(S): Thorne I-VI
OPERATOR(S): Asamera Min (US)
AUTHOR(S): McCarthy, P.D.
REPORT YEAR: 1989, 58 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver,Copper,Lead,Zinc
KEYWORDS: Jurassic,Takla Formation,Quartz Veins,Pyrite,Chalcopyrite
Sphalerite,Galena
WORK
DONE: Geochemical,Prospecting
PROS 2700.0 ha
Map(s) - 1; Scale(s) - 1:10 000
ROCK 153 sample(s) ;ME
Map(s) - 3; Scale(s) - 1:10 000
SILT 61 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:10 000

THORNE CLAIMS
GEOCHEMISTRY AND PROSPECTING

Omineca Mining Division

N.T.S. 94 D/15

Latitude 56° 49'N
Longitude 126° 38'W
U.T.M. 6299500 mN
U.T.M. 644600 mE

by
Paul McCarthy

Asamera Minerals Inc.

December 1988

Claim Name	Record No.	Units	Date Recorded
Thorne I	9515	20	July 4, 1988
Thorne II	9516	20	July 4, 1988
Thorne III	9517	20	July 4, 1988
Thorne IV	9518	20	July 4, 1988
Thorne V	9788	18	Sept.16, 1988
Thorne VI	9789	10	Sept.16, 1988

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS

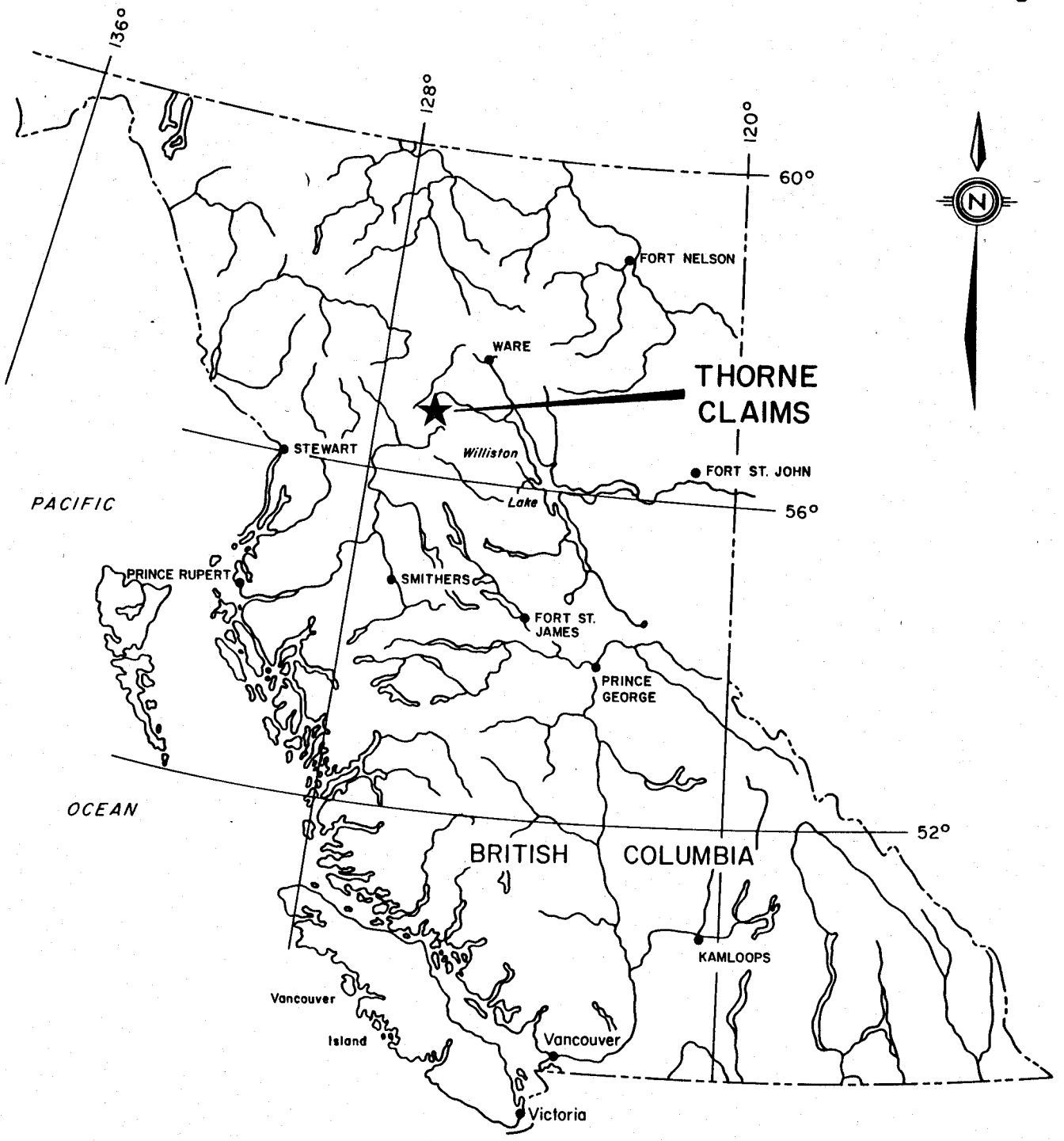
LIST OF APPENDICES

1.0 INTRODUCTION

This report summarizes the results of a prospecting and geochemical program conducted by Asamera Minerals Inc. on the Thorne claims in the McConnell Range, north-central British Columbia. The objective of the program was to localized the source of a gold and platinum anomaly detected in a heavy mineral sample during a regional reconnaissance sampling program conducted in 1987.

The program was carried out intermittently from June to late September, 1988 by a variety of individuals and consultants contracted by Asamera. Details of the personnel and their involvement in the work on the Thorne property are included in Appendix IV.

A total of 61 silt, and 153 rock samples were collected and sent to Acme Analytical Laboratories in Vancouver, British Columbia, where they were analyzed for gold, platinum, palladium, rhodium, plus 33 elements by ICP. Selected high-grade rock samples were assayed for more reliable results.



ASAMERA MINERALS INC.

THORNE CLAIM GROUP

LOCATION MAP

km 0 150 300 450 km

FIGURE No.: 1	PREPARED BY: P.D.M.
DATE: NOVEMBER, 1988	SCALE:
	MAP No.:

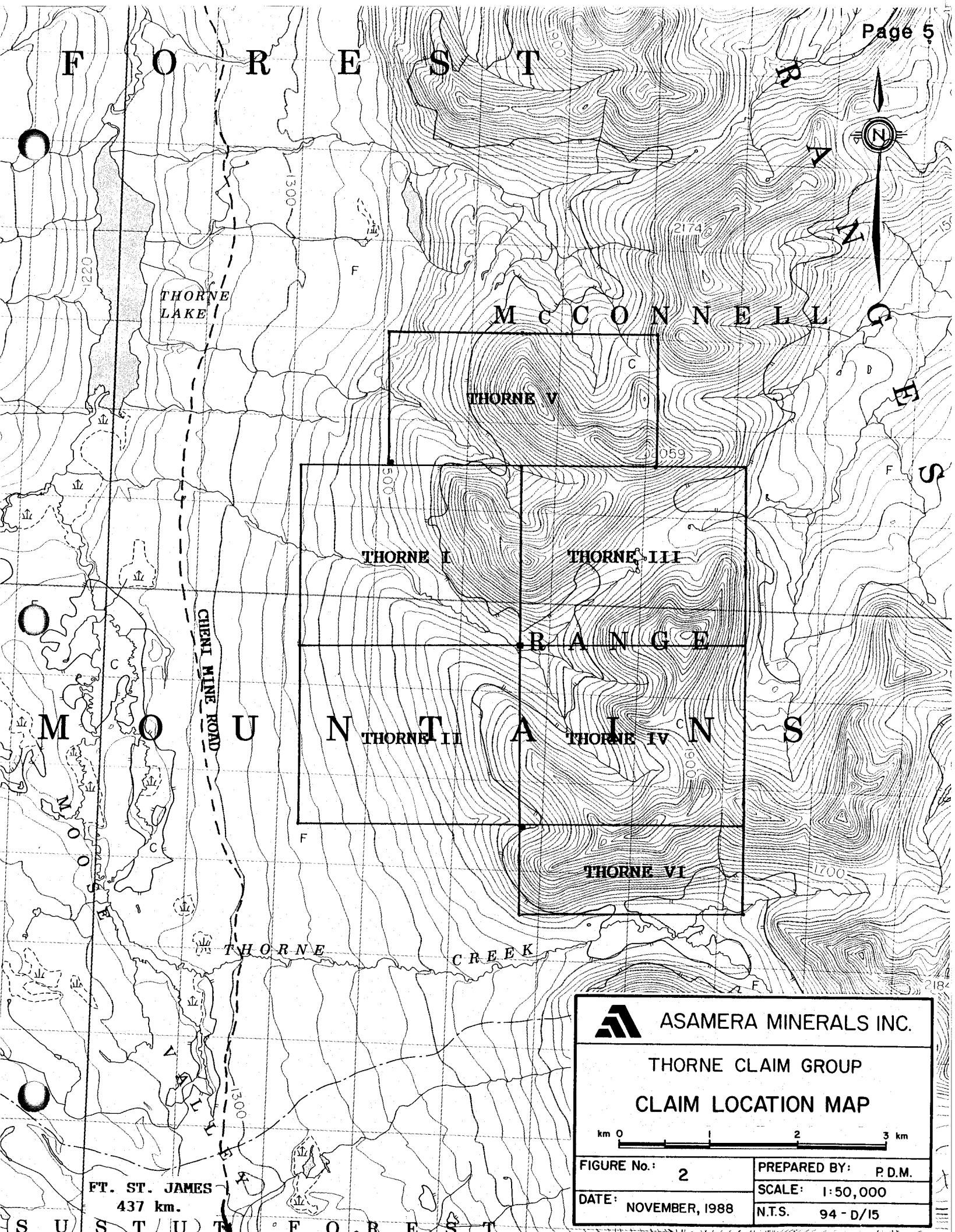
2.0 PROPERTY STATUS

The Thorne claim group consists of six mineral claims totalling 108 units or 2700 hectares. All claims are 100% owned by and registered to Asamera Minerals Inc. of Vancouver, British Columbia. Claim data are summarized below:

Claim Name	Units	Record Number	Recording Date	Mining Division
Thorne I	20	9515	July 4,1988	Omineca
Thorne II	20	9516	July 4,1988	Omineca
Thorne III	20	9517	July 4,1988	Omineca
Thorne IV	20	9518	July 4,1988	Omineca
Thorne V	18	9788	Sept.16,1988	Omineca
Thorne VI	10	9789	Sept.16,1988	Omineca

3.0 LOCATION AND ACCESS

Access to the claim area is by helicopter from Sturdee Strip, 42 kilometers to the northwest, which is on a regularly scheduled fixed-wing route from Smithers, 270 kilometers to the south (Figure 1). Alternatively, helicopter access can be gained from the Johanson Lake airstrip, 48 kilometers south of the claims. Johanson Lake is 349 kilometers north of Fort St. James along the Omineca Road, a gravelled road open seasonally (Figure 1). Cheni Mines Ltd. has recently constructed a mining road that starts from the terminus of the Omineca Road at Moose Valley, 35 kilometers north of Johanson Lake, and terminates at the Lawyers gold deposit in the southern Toodoggone area, not far from Sturdee Strip. The new road passes within four kilometers west of the centre of the property (Figure 2). Cheni Mines limited access along this road in 1988, and the Sturdee or Johanson routes were used during the 1988 field season. The geographic coordinates of the centre of the claims are 56° 49' north latitude and 126° 38' west longitude in N.T.S. 94 D/15E.



ASAMERA MINERALS INC.

THORNE CLAIM GROUP

CLAIM LOCATION MAP

FIGURE No.: 2	PREPARED BY: P.D.M.
DATE: NOVEMBER, 1988	SCALE: 1:50,000
	N.T.S. 94 - D/15

4.0 PHYSIOGRAPHY

The property covers the western slopes of the McConnell Range between Thorne Lake in the northwest and Thorne Creek at the southern margin of the claims (Figure 2). The relief on the property varies from 1400 metres to 2100 metres A.S.L. Thorne Creek drains the southern perimeter of the claims, and three unnamed permanently-flowing creeks drain the rest of the area: two creeks into Moose Valley in the west and another that drains to the east into McConnell Creek. The lowest elevations of the property are forested, primarily with spruce and lodgepole pine, gradually grading into sub-alpine vegetation, then alpine meadows above 1700 metres A.S.L. Three peaks dominate the terrain, with steep slopes of outcropping bedrock and scree on west-facing cirques above the meadows. The area has a long winter season, and several snowbanks persist throughout the year on the upper north-facing slopes. Geological fieldwork is generally restricted to the period between mid-June and late September.

The forests do not contain commercially-viable timber, and no plans have been formulated to log in the region.

5.0 EXPLORATION HISTORY

Remnants of tent frames and assorted wooden poles were noted in the southeast cirque and along the creek draining the central claim area, but no mention has been made of mining activity prior to 1983, when the area was partially staked, and the debris appear to predate this time.

In the early 1970's B.P. Minerals conducted a regional stream sampling program, following up on two copper-lead-zinc and gold-silver anomalies by staking the Goldway 11 and Goldway 12 claims over what is now Thorne VI and the southern half of Thorne IV, in May 1984. Silt, soil, talus fine, and rock samples were taken in the vicinity of two gossans on the ridge separating Thorne IV and Thorne VI, but the precious metal results were unfavourable, and the claims were allowed to lapse in 1988.

The area now covered by the Thorne I and Thorne V claims was previously covered by the eastern part of the Thor claim group, staked in October 1983 by the Asitka-Gunsteel Resource Corporation. Asitka-Gunsteel and Falconbridge Limited entered into an exploration agreement to determine the paleoplacer gold potential of the Sustut Basin sediments, which outcrop on the western edge of the Thorne I and Thorne V claims and elsewhere in the Moose Valley area to the south and west. A silt, soil, and rock sampling program was completed in summer 1984, but the economic gold-bearing potential of the Sustut sediments on the Thor claims proved to be low, and the claims were allowed to

lapse. However, high gold values were reported in the older Takla volcanic rocks in a shear zone now covered by Thorne I, and this showing was prospected and sampled by Asamera in 1988.

During a regional heavy mineral reconnaissance program conducted by Asamera in 1987, very high gold and platinum values were detected in the stream draining the centre of the property, and the Thorne I to Thorne IV claims were staked in June, 1988 to cover the anomalous drainage. Thorne V and Thorne VI were staked in September, 1988 to cover encouraging gold and silver results detected during the first prospecting trip at the north and south perimeters of the property. Work was terminated in late September due to heavy snowfall in the area.

6.0 PROSPECTING

6.1 Regional Geology

The Thorne claims lie in the McConnell Range within the Takla volcanic belt, immediately to the north of the Hogem Batholith, a large, elongate, multiphasic intrusive complex extending from the Nation Lakes 170 kilometres northwest to Dortatelle Creek, 50 kilometres southeast of the claims. Several ultramafic, diorite, monzodiorite, and quartz monzonite stocks intrude the McConnell Range in the vicinity of the claims, and are lithologically similar to intrusions within the Hogem Batholith, probably intruding during the early modal phases of the Batholith in the Late Triassic (Garnett,1978). The stocks are part of the Fleet Peak Pluton, a regional intrusive complex underlying the axis of the McConnell Range (Woodsworth,1976). More felsic intrusive rocks, typically pink-coloured, medium-grained granodiorite and felsic dykes outcrop throughout the east and south McConnell Range, including the central claim area. They are correlative with the Early Jurassic Omineca Intrusions in the northern Hogem Ranges and the Black Lake Intrusions of the southern Toodoggone adjacent to the northwest (Richards,1988).

The stocks intruded Takla facies, locally the Savage Mountain Formation of Late Triassic (Norian) age, comprised of augite-feldspar porphyry flows, breccias, pillows, and aquagene tuffs, which were slightly metamorphosed during the intrusive

events (Monger,1976; Richards,1976). The youngest rocks in the region are siltstone, sandstone, conglomerate, and coal of the Sustut Group; basinal deposits of Late Cretaceous age.

The Hogem Batholith is bounded to the east by the Pinchi Fault, which bifurcates into several north to northwest trending faults at the north end of the batholith. Two major north-northwest trending splays, the Ingenika and Moose Valley Faults bracket the claim area to the east and west respectively: the Moose Valley Fault traverses the western margin of the property.

Previous geology in the claim area, by the Asitka-Gunsteel Resources - Falconbridge group in the north (Lehtinen,1984), and BP - Selco in the south (Heberlein,1984) was augmented by reconnaissance mapping during the prospecting program on the property in 1988.

A compilation of the geology known to date is presented in Figure 3. Two major faults, the North Valley Fault and Main Valley Fault follow the west-flowing creek drainages in the north and central claim area. An oblique fault trending southwest from the North Valley Fault likely intersects the Main Valley Fault, although the confluence is obscured by talus and overburden. The claim area appears to have been separated into several blocks by steeply-dipping faults, as indicated in Figure 3. Several north-south and east-west trending shear zones extend away from the major valley faults in the north and central areas of the property. The shears have been infilled with quartz and\or calcite veining with sulphide mineralization, and were the targets of prospecting and sampling as described below.

6.2 PROSPECTING AND ROCK CHIP SAMPLING

Prospecting and rock sampling was done by several groups over the 1988 field season. After the initial prospecting trip in mid June, further prospecting was suspended until the sample analyses were returned in order to determine the best target areas for followup sampling. Followup sampling was done over three field trips, thus there was an overlap in sampling as the most prospective regions were defined. A compilation map of the rock sample locations (Figure 5) has been divided into several "zones" or regions based on local disparities in mineralization and geology in order to facilitate the description of the sampling. Rock sample descriptions are included in Appendix II.

Zone A is in an area of north-trending shears, narrow, but persistent, and widening to the south. This showing was discovered by digging in an area of numerous limonitic rock chips, which overlie small quartz-carbonate veins in the fractures with pyrite-argillic alteration peripheral to the veins. Most samples were taken from float above the shears. Pyrite is the predominant sulphide mineral, with less common sphalerite, chalcopyrite, and galena. Several rock chips had malachite staining and contained hematite along with the sulphide mineralization.

An obliquely-offset fault originates from the North Valley Fault (Figure 3) at the north end of Zone B. The fault zone is over ten metres wide at this point, narrowing towards the top of

the mountain, but extending to the south, where it disappears under talus derived from the south-facing slope of the mountain. Samples 518 and 519 were anomalous in gold (see Figures 6 and 7 for analysis results), and channel samples were subsequently taken in trenches across the fault near the 518 and 519 locations in September (samples 587, 588, 590). The fault zone in this area is marked by a series of 20 to 35 centimetre wide shears with quartz-carbonate veining in a zone of weathered ferricrete and brecciated rock. The samples were from highly oxidized rock with remnant pyrite. Sample 3 from the talus apron at the southern end of the fault zone were limonitic and malachite-stained, with chalcopyrite and pyrite in quartz-calcite veins and stringers.

Zone C appears to be a northeast-trending shear zone extending from the Main Valley Fault. At the southern end of the zone a large quartz vein, up to 60 centimetres wide was sampled (samples 509 to 513), and contains pyrite, sphalerite, with trace chalcopyrite. Further up the slope the veining pinches out into narrow quartz-calcite stringers in a mafic volcanic facies, and the samples were taken from malachite-stained rocks (samples 59 to 61).

The samples in Zone D were taken from several large quartz-feldspar veins in fractured volcanic rock that outcrops along the banks and on the bottom of the central tributary of the main creek on the property, within the Main Valley Fault zone. Massive pyrite, sphalerite, and some chalcopyrite were found in

the quartz-feldspar veins and calcite stringers.

The southern part of the claim block contains a large gossan (Zone F) and a smaller gossanous area near the contact with the granodiorite intrusion (Zone E). The gossans are on a ridge extending along the southern side of a steep-sided cirque, and the initial rock samples were taken from float below the ridge and traced to the side-walls and ridge tops in followup prospecting.

Zone E is at the eastern contact of the granodiorite stock within or proximal to hornfelsed Takla volcaniclastic facies. A limonitic zone ten metres wide covers an east-west trending shear with quartz-carbonate veining in rocks containing hornblende, chlorite, garnet, and tourmaline: probably a skarn zone. The principal sulphide in the rocks is pyrite, with sphalerite, chalcopyrite, malachite, and hydrozincite. A small gossanous shear zone in the eastern part of Zone E may be connected with the larger gossan at the contact by an east-west fault, very hard to trace along the ridge. The samples in this area were taken from limonitic float with quartz-calcite stringers.

Zone F covers a large limonitic gossan, 150 metres in width (talus to ridge) on a steep northwest-facing wall of the cirque. The gossan covers a series of sub-parallel shears with amphibole-pyrite and quartz-pyrite veining. Several east-west to southwest trending dacite to trachyte and augite-feldspar porphyry dykes traverse the area. The principal sulphide in the samples is pyrite (euhedral), with sphalerite, galena, and malachite

staining in a quartz gangue.

The samples in Zone G were taken in pyritic rocks in a small area of quartz - calcite veining in a mafic tuff.

7.0 GEOCHEMISTRY

7.1 SILT SAMPLING PROCEDURE

A total of 61 silt samples was collected at 100 metre intervals along the active stream channel of the creek draining to the west from the centre of the property, as illustrated in Figure 4. The silt was put into gussetted kraft sample bags and sent to Acme Analytical Laboratories in Vancouver for analysis. Acme was instructed to analyze the samples for Au, Pt, Pd, Rh, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, and W.

7.2 SILT SAMPLE ANALYSIS METHODS

Sample Preparation

At Acme Laboratories the silt samples are dried at 60°C and sieved to -80 mesh.

Procedure for Gold, Platinum, Palladium, and Rhodium Analysis

Ten grams of material from each sample are fused with a silver niquart in a lead oxide flux. The noble metals are separated from the lead button in a cupellation furnace, and the doré beads dissolved in aqua regia. The resultant solution is analyzed by fire assay/mass spectrographic scan.

Procedure for Multi-Element Analysis

One-half gram of material from each sample is digested with

three ml. of 3-1-2 hydrochloric acid - nitric acid - water at 95°C for one hour, and diluted to 10 ml. with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, and W, and limited for Na, K, and Al. The resultant solution is analyzed by ICP.

7.3 ROCK CHIP SAMPLING PROCEDURE

A total of 153 rock samples were taken during prospecting traverses where mineralization was found in outcrop or in float, usually from rocks containing limonite, quartz and calcite veining, or altered minerals. Several channel samples were taken across shear zones in gossanous areas. Sample locations are mapped on Figure 5. The rock samples were collected in plastic sample bags and sent to Acme Analytical Laboratories in Vancouver, B.C. Acme was instructed to analyze the samples for Au, Pt, Pd, Rh, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, and W.

7.4 ROCK CHIP ANALYSIS METHODS

Sample Preparation

At Acme Labs the rock samples are crushed to -4.8 mm. and then 226.8 gm. is further pulverized to -100 mesh for analysis.

Procedure for Gold, Platinum, Palladium, and Rhodium Analysis

Ten grams of material from each sample are fused with a silver niquart in a lead oxide flux. The noble metals are separated from the lead button in a cupellation furnace, and the doré beads dissolved in aqua regia. The resultant solution is analyzed by fire assay and atomic absorption or mass spectrographic scan.

Procedure for Multi-Element Analysis

One-half gram of material from each sample is digested with three ml. of 3-1-2 hydrochloric acid - nitric acid - water at 95°C for one hour and diluted to 10 ml. with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, and W, and limited for Na, K, and Al. The resultant solution is analyzed by ICP.

8.0 RESULTS

8.1 Silt Sampling

Silt sample locations and gold, platinum, and palladium analyses are reported in Appendix Ia and on Figure 4. Platinum and palladium analyses were generally very low in the silt samples taken above the anomalous heavy mineral sample taken in 1987 from the stream draining the centre of the claims. Sample TST 011, in the south fork of the stream, with 17 ppb Pt, was the only sample with an elevated platinum group metal value.

Several elevated gold values were found in the three forks of the central creek. Samples TST 02, 06, 11, 15, and 16, in the southern fork, had over 25 ppb Au, and TST 015 with 240 ppb Au, had the highest silt value on the property. This stream drains below three gossanous shear zones discovered during prospecting, and the source of the gold in the silts likely derived from them. Samples TST 018, in the central fork, and TST 038, in the north fork also had gold values over 25 ppb. The area above these samples has had only cursory prospecting coverage, and the possible sources for the gold values remains to be discovered. Several other silt samples, in the main stream below those previously-mentioned, also had over 25 ppb gold. Some of the gold in these samples probably derived from the gold-bearing shear zones on the south-facing slopes above the creek (see section 8.2).

8.2 Rock Chip Sampling

Rock chip sample locations are mapped on Figure 5, and the results reported in Appendix Ib and Figures 6 and 7. Seventy rock samples were analyzed for platinum, palladium, and rhodium, but platinum and rhodium content in all samples was low. The only sample with elevated palladium content was THR 67, with 87 ppb, in a float rock sample containing magnetite and chalcopyrite, with malachite staining.

High gold and silver values were found in float and outcrop in several areas of the property. The gold and silver analyses indicate that there are two separate mineralized zones on the claims - a north gold-rich area (Zones A,B,C) within shears and fault structures associated with the two northwest-southeast trending faults in the west-flowing creek drainages, and a southern silver-base metals concentration associated with gossanous shear zones in the southern cirque wall.

Most of the highest gold values (THR 07,13; TR 261,262; PS 519,590; 39561) were from samples at the northern edge of the claims, near the North Valley fault, in Zones A and B, although a few high gold values were also found in the southern claim area (PS 526,541). Many (but not all) of the high gold values in the northern samples had associated high arsenic assays, although arsenopyrite was not identified in the samples during field inspection.

The largest concentration of high silver values was detected at the southern edge of the claims (Zones E,F). The highest

silver values were found in rocks with base metal values over 10,000 ppm, but were not specifically correlated with either copper, lead, or zinc. Almost every rock sample taken from the large gossan in the southeast corner of Thorne IV had high silver values - the three samples that had lower silver results (one with high gold) also had low base metal content. The small oxidized zone in the eastern part of Zone E nearest Zone F also had some silver-rich rocks, and several silver analyses over 35 ppm were detected in rocks within the northern claim area, mostly associated with high gold or base metals. Most silver-rich samples from the gossans in the southeast claim area had lower arsenic values as compared to those from the northern zones.

9.0 CONCLUSIONS

Two principal areas of mineralization are apparent on the Thorne property. Very promising gold and some high silver and base metal results were detected in oxidized rocks containing sulphides in quartz and calcite veins and stringers in faults and shear zones, probably linked to large northwest-trending faults that traverse the north and central claim area. A large gossanous shear zone in the southeast claim area has high silver-base metals content with sporadic elevated gold values, and constitutes the other prominent mineralized area on the property. The structural or genetic link, if present, between the two mineralized areas is unknown.

The precious metals - base metals mineralization on the Thorne claims is encouraging enough to warrant followup geological and physical work leading to a drill program in 1989.

10.0 RECOMMENDATIONS

1) The factors governing the formation of the two major areas of mineralization in the northwest and southeast claim area are unknown at this time. Detailed mapping should be done to determine the structural control over mineralization, the extent of mineralized structures, and the type of deposit.

2) Most anomalous gold, silver, and base metal results have derived from oxidized sulphide-bearing rocks, and trenching is needed to expose unoxidized rocks in the prospective areas. Channel samples should be taken across mineralized structures in shear zones and veins, both to determine the structural character of the mineralized zones, and their mineralogy. Several targets should be trenched:

   i) the gold showing in Zone A.
   ii) several trenches across the fault in Zone B. Deep trenches should be dug at the northern terminus of the fault at the North Valley Fault to expose unoxidized rock, and in the talus-covered slope at the southern extension of the fault.
   iii) the shear? zone in Zone C.
   iv) the eastern part of Zone E, to determine the source of the high gold, silver, and base-metals values in locally derived float.
   v) the shear zone under the large gossan in Zone F.

3) Time constraints in 1988 limited prospecting in the far north and much of the eastern claim area. The region north of the North Valley fault (Thorne V) has obvious potential for further gold mineralization similar to the showings in Zones A and B, possibly in shears and fault zones obliquely trending from the main fault. The south-facing slope below

the ridge at the Thorne IV - Thorne VI boundary line is also prospective, given its proximity to the gossanous shear zones with high gold, silver, and base metal content. Silt samples in the central and north forks of the creek draining that prospecting should be done above these samples to determine the gold sources.

11.0 REFERENCES

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A P P E N D I X I

Laboratory Reports

Ia: Silt Sample Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P2 SOIL P3-P4 ROCK AU** PT** PD** & RH** BY FA-MS.

DATE RECEIVED: JUNE 27 1988 DATE REPORT MAILED: July 8/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERALS INC. File # 88-2276 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
TST 001	1	95	11	74	.1	19	15	637	4.36	11	5	ND	1	71	1	2	4	107	1.31	.058	7	47	1.00	74	.16	8	2.24	.02	.06	2	8	3	4	2
TST 002	1	109	8	84	.2	21	18	701	4.85	13	5	ND	1	80	2	2	2	119	1.47	.065	8	51	1.08	83	.17	4	2.42	.02	.07	1	47	2	6	2
TST 003	1	96	8	78	.2	20	16	627	4.71	12	5	ND	1	71	1	2	4	116	1.38	.056	6	50	1.04	74	.17	2	2.29	.02	.06	1	6	3	3	2
TST 004	1	124	7	78	.2	20	18	671	4.54	15	5	ND	1	84	1	2	3	110	1.62	.063	6	48	1.10	76	.16	2	2.57	.02	.07	1	11	2	5	2
TST 005	1	141	13	79	.4	22	21	648	5.14	16	5	ND	2	82	2	2	2	128	1.63	.069	7	60	1.12	79	.17	4	2.54	.03	.07	1	13	4	6	2
TST 006	1	122	13	88	.2	20	18	648	4.76	15	5	ND	1	82	1	2	2	117	1.60	.069	7	52	1.09	83	.17	4	2.52	.02	.07	2	39	3	4	2
TST 007	1	103	8	76	.3	20	17	640	5.08	12	6	ND	1	77	2	2	2	126	1.50	.066	7	57	1.06	80	.17	8	2.39	.02	.06	2	13	2	4	2
TST 008	1	117	10	79	.1	19	18	665	4.72	13	5	ND	1	89	1	2	2	112	1.68	.070	7	49	1.08	90	.16	5	2.65	.02	.07	1	10	2	5	2
TST 009	1	119	13	79	.2	19	17	676	4.28	12	5	ND	1	86	1	2	2	104	1.58	.064	7	44	1.10	91	.17	2	2.63	.02	.07	1	10	2	4	2
TST 010	1	117	11	77	.3	20	17	684	4.17	13	5	ND	1	90	1	2	4	99	1.62	.061	7	41	1.09	92	.16	4	2.64	.02	.07	1	10	2	6	2
TST 011	1	109	8	77	.2	19	16	644	4.37	10	5	ND	1	88	1	2	2	105	1.64	.063	6	43	1.06	95	.16	8	2.60	.02	.07	2	35	17	4	2
TST 012	1	101	8	77	.2	19	16	639	4.74	12	5	ND	2	85	1	2	4	116	1.60	.067	7	48	1.05	84	.16	10	2.47	.02	.07	1	11	2	4	2
TST 013	1	92	10	90	.2	17	14	559	5.31	8	5	ND	1	77	2	2	2	132	1.53	.056	7	55	1.04	78	.17	10	2.33	.02	.06	1	6	2	3	2
TST 014	1	109	6	79	.2	19	16	644	4.32	12	5	ND	1	89	1	2	2	104	1.61	.059	6	42	1.09	94	.16	2	2.57	.02	.07	2	6	1	4	2
TST 015	1	94	7	80	.1	19	15	597	5.82	10	5	ND	1	84	2	2	2	143	1.58	.063	6	60	1.02	85	.17	2	2.42	.02	.07	1	240	2	6	2
TST 016	1	105	6	78	.1	21	16	643	5.05	14	5	ND	2	88	1	2	2	124	1.62	.072	7	53	1.10	97	.16	11	2.53	.02	.07	2	28	3	3	2
TST 017	1	52	3	72	.1	18	12	637	4.96	7	5	ND	1	68	1	2	2	130	1.42	.052	8	62	.94	69	.17	2	2.10	.02	.05	1	1	3	3	2
TST 018	1	55	8	71	.1	19	13	642	4.35	8	5	ND	1	73	1	2	2	111	1.43	.052	7	53	.93	77	.15	12	2.23	.02	.06	1	99	2	4	2
TST 019	1	61	9	73	.1	19	12	636	4.22	8	5	ND	1	73	1	2	2	107	1.46	.052	6	50	.96	72	.15	2	2.27	.02	.06	1	3	2	2	2
TST 020	1	55	7	73	.1	19	12	623	4.71	7	5	ND	1	73	1	2	2	122	1.50	.052	7	58	.90	68	.16	6	2.20	.02	.06	1	6	2	2	2
TST 021	1	60	9	71	.1	18	13	628	4.15	7	5	ND	1	71	1	2	2	106	1.43	.050	8	49	.92	69	.15	2	2.19	.01	.06	1	5	2	2	2
TST 022	1	77	10	82	.1	21	14	730	4.88	12	5	ND	1	85	1	2	4	122	1.70	.054	8	57	1.04	79	.16	8	2.65	.02	.07	1	4	3	4	2
TST 023	1	70	15	73	.1	20	14	693	4.26	15	5	ND	1	79	1	2	3	106	1.56	.053	7	51	.97	77	.15	2	2.43	.02	.07	1	22	2	3	2
TST 024	1	74	19	77	.2	20	15	710	4.48	11	5	ND	1	82	1	2	2	110	1.58	.054	7	51	.98	87	.15	2	2.51	.02	.07	1	12	2	4	2
TST 025	1	60	10	68	.1	20	13	734	4.03	9	5	ND	1	83	1	2	2	95	1.57	.054	9	43	.93	96	.13	2	2.43	.02	.08	1	1	2	3	2
TST 030	1	50	8	68	.1	15	9	456	3.18	6	5	ND	1	64	1	2	2	90	1.11	.057	8	39	.74	77	.12	7	2.10	.01	.06	1	22	1	4	2
TST 031	1	81	4	81	.2	19	12	633	3.80	7	6	ND	1	77	1	2	2	101	1.28	.056	8	46	.98	95	.11	2	2.84	.01	.07	1	8	2	4	2
TST 032	1	74	15	76	.2	18	12	622	3.78	8	5	ND	1	71	1	3	3	101	1.16	.056	8	46	.97	87	.11	2	2.58	.01	.06	1	3	1	5	2
TST 033	1	75	11	72	.2	18	12	571	3.64	7	5	ND	1	71	2	2	2	96	1.17	.055	8	43	.95	93	.11	11	2.63	.01	.06	1	17	2	4	2
TST 034	1	79	9	79	.3	19	12	584	3.75	6	5	ND	1	74	1	2	2	97	1.23	.057	8	46	1.00	97	.11	4	2.73	.01	.07	1	4	1	5	2
TST 035	1	71	7	79	.1	18	12	696	3.67	7	5	ND	1	70	1	2	3	97	1.18	.056	8	45	.94	92	.11	4	2.56	.01	.06	1	3	2	3	2
TST 036	1	68	8	77	.1	17	11	621	3.49	7	5	ND	1	67	1	2	2	96	1.20	.055	8	45	.89	93	.10	2	2.45	.01	.06	1	1	2	5	2
TST 037	1	74	6	95	.1	21	15	994	4.53	9	5	ND	1	82	2	2	2	119	1.39	.055	8	49	1.10	93	.14	7	2.76	.02	.07	2	2	2	5	2
TST 038	1	70	7	106	.1	21	17	1426	5.17	12	5	ND	1	91	2	2	2	134	1.59	.055	7	54	1.25	94	.15	5	2.95	.02	.07	1	32	3	3	2
TST 039	1	58	7	95	.1	21	15	889	4.65	6	5	ND	1	66	2	2	2	120	1.40	.062	6	44	1.44	66	.21	2	2.39	.03	.07	1	1	3	3	2
TST 040	1	56	9	96	.1	20	14	801	4.67	7	5	ND	1	70	2	2	2	122	1.29	.053	6	46	1.28	60	.19	6	2.22	.03	.08	1	1	2	2	2
STD C/FA-5X	18	58	39	132	6.6	67	29	1058	4.20	41	19	7	37	47	18	16	18	58	.50	.089	40	57	.93	179	.07	38	1.98	.07	.14	14	97	103	100	24

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
TST 041	1	55	9	75	.1	17	11	661	4.15	5	5	ND	2	65	2	2	2	119	1.12	.048	8	58	.79	85	.16	8	2.13	.01	.07	1	7	4	5	2
TST 042	1	69	11	111	.1	17	14	814	4.68	6	5	ND	1	77	2	2	2	129	1.44	.051	8	56	.94	93	.17	2	2.63	.02	.07	1	8	3	5	2
TST 043	1	74	14	105	.2	17	14	941	4.30	6	5	ND	2	85	2	2	2	116	1.59	.052	8	47	.95	96	.16	3	2.90	.02	.08	1	7	4	2	2
TST 044	1	51	9	70	.1	17	13	669	4.73	5	5	ND	2	72	3	2	2	127	1.36	.051	8	61	.89	79	.19	4	2.21	.02	.07	1	85	4	3	2
TST 045	1	64	22	85	.1	20	15	733	5.32	7	5	ND	1	86	2	2	2	139	1.83	.051	7	67	1.13	74	.21	6	2.80	.02	.08	1	45	3	2	2
TST 046	1	76	14	70	.1	16	14	623	5.83	8	5	ND	1	81	1	2	2	149	1.54	.057	8	67	.98	93	.20	2	2.43	.02	.07	1	10	3	2	2
TST 047	1	68	15	74	.1	16	13	608	4.11	5	5	ND	1	89	1	2	2	98	1.77	.051	6	40	.97	87	.11	2	2.70	.02	.07	1	6	4	4	2
TST 048	1	72	12	67	.1	17	14	625	5.06	5	5	ND	2	80	1	2	2	130	1.60	.053	7	57	1.03	84	.20	2	2.52	.02	.07	1	6	3	2	2
TST 049	1	64	11	60	.2	16	12	564	3.99	8	5	ND	2	73	2	2	2	102	1.44	.053	7	44	.95	80	.18	3	2.27	.02	.07	1	31	2	2	2
TST 050	1	72	11	71	.1	18	14	601	6.86	6	5	ND	2	76	2	2	2	178	1.50	.063	9	86	.94	78	.21	4	2.27	.02	.07	1	6	4	2	2
TST 051	1	83	20	75	.1	19	15	692	4.66	8	5	ND	6	90	1	2	2	119	1.68	.062	8	52	1.08	98	.20	7	2.68	.03	.08	1	6	3	3	2
TST 052	1	70	11	68	.1	18	14	632	4.94	6	5	ND	2	83	2	2	2	127	1.60	.055	8	56	1.02	91	.20	13	2.51	.03	.07	1	9	4	2	2
TST 053	1	77	15	68	.1	17	14	642	4.60	8	5	ND	1	82	1	2	2	118	1.56	.055	8	51	1.01	95	.19	6	2.46	.02	.07	2	8	3	3	2
TST 054	1	73	11	66	.3	17	14	629	4.26	7	5	ND	2	82	2	3	2	109	1.55	.055	8	46	1.01	94	.18	7	2.43	.02	.08	2	51	3	3	2
TST 055	1	70	6	65	.3	16	14	619	4.22	5	5	ND	1	81	1	2	2	107	1.55	.055	7	45	1.00	92	.18	8	2.45	.02	.07	1	5	3	2	2
TST 056	1	46	12	58	.1	19	12	603	4.17	4	5	ND	2	71	1	2	2	106	1.38	.052	9	52	.82	109	.18	12	2.10	.02	.08	1	4	3	2	2
TST 057	1	76	12	66	.1	16	14	641	4.23	6	5	ND	1	83	1	2	2	108	1.55	.055	8	46	1.01	99	.18	5	2.50	.02	.08	1	4	2	2	2
TST 058	1	60	14	62	.1	17	13	655	3.89	7	5	ND	1	78	1	2	3	101	1.46	.053	9	44	.94	100	.18	2	2.29	.02	.07	1	3	3	2	2
TST 059	1	51	19	61	.1	17	12	646	4.36	4	5	ND	1	72	1	2	2	114	1.40	.052	9	53	.91	90	.19	3	2.20	.02	.07	1	11	2	2	2
TST 060	1	57	12	62	.1	16	12	608	5.63	5	5	ND	3	67	2	2	2	149	1.32	.054	9	76	.87	84	.20	18	2.01	.02	.07	2	18	3	2	2
TST 061	1	56	11	65	.2	17	13	654	5.47	7	5	ND	2	71	1	2	2	144	1.33	.052	9	73	.89	87	.19	4	2.12	.02	.07	1	78	2	2	2
TST 062	1	59	14	65	.1	18	13	670	5.27	4	5	ND	1	74	1	2	2	137	1.38	.052	8	63	.94	93	.19	4	2.21	.02	.07	1	3	3	2	2
TST 063	1	52	14	58	.1	16	12	631	4.15	4	5	ND	2	72	1	2	3	108	1.36	.052	8	49	.91	91	.18	2	2.15	.02	.07	1	5	3	3	2
TST 064	1	56	13	60	.1	16	12	623	4.62	7	5	ND	1	70	2	2	2	120	1.33	.054	8	57	.90	89	.18	8	2.16	.02	.07	1	8	3	3	2
TST 065	1	64	21	65	.1	18	13	668	5.38	6	5	ND	2	73	1	2	2	139	1.38	.055	9	66	.93	94	.19	9	2.22	.02	.07	1	2	3	3	2
STD C/FA-5X	17	57	38	132	7.1	67	28	1054	3.99	40	15	8	36	45	16	17	20	55	.47	.085	38	55	.91	173	.07	35	1.90	.06	.14	12	96	101	98	24

A P P E N D I X I

Laboratory Reports

Ib: Rock Sample Results

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
THR 01	1	195	13	2167	1.5	17	13	2230	3.79	11	5	ND	1	83	43	2	2	76	13.25	.018	4	55	1.52	3	.07	3	1.93	.01	.05	1	23	3	3	2
THR 02	1	26	21	749	.3	3	3	2071	1.32	30	5	ND	1	17	9	2	2	15	3.13	.003	2	6	.26	1	.01	3	.42	.01	.02	1	129	4	2	2
THR 03	1	296	269	10428	2.8	7	9	1923	2.53	88	5	ND	1	25	105	2	3	29	4.29	.007	2	16	.51	2	.02	2	.85	.01	.02	3	137	2	3	2
THR 04	1	3191	8	63	4.0	47	19	350	5.22	4	5	ND	1	55	1	2	3	106	1.41	.093	2	111	1.65	14	.25	2	1.77	.05	.07	1	393	4	8	2
THR 05	1	585	15	96	1.0	18	37	491	36.88	4	5	ND	4	144	1	2	2	83	2.80	.046	2	36	.97	12	.07	13	1.52	.03	.07	1	2	2	6	2
THR 06	1	89	9	61	.1	29	22	1103	5.83	3	5	ND	1	93	1	2	2	127	7.15	.059	3	88	3.35	101	.02	4	3.00	.01	.11	2	10	3	10	2
THR 07	95	928	2798	3064	38.7	3	4	280	25.81	6313	5	ND	2	48	86	8	39	108	.26	.045	5	38	.11	4	.05	5	.89	.01	.04	3	9064	9	22	2
THR 08	2	13655	41	57	8.4	373	121	206	21.37	28	5	ND	3	109	3	2	3	55	.72	.028	2	100	.89	5	.06	10	1.11	.01	.05	1	465	6	23	2
THR 09	3	324	85	104	1.1	11	3	262	2.50	156	5	ND	1	18	1	2	3	29	1.75	.003	2	54	.68	1	.02	5	.62	.01	.01	1	98	2	2	2
THR 10	1	186	9	71	.1	20	17	1011	5.69	8	5	ND	1	59	1	2	2	127	5.15	.075	3	49	2.50	2	.27	2	2.64	.03	.01	1	8	3	5	2
THR 11	14	540	512	2127	12.3	3	7	293	14.97	3448	5	ND	1	9	15	4	5	56	.26	.038	2	49	.30	2	.07	4	1.13	.01	.03	1	817	2	3	2
THR 12	3	293	130	2061	7.9	8	6	1952	16.40	1521	5	ND	2	33	13	2	3	120	.49	.047	2	46	1.14	7	.15	2	2.69	.01	.08	1	669	2	14	2
THR 13	42	452	21387	1581	22.9	1	1	151	21.72	2797	6	3	4	16	8	10	2	84	.08	.026	2	13	.11	4	.03	2	.73	.01	.10	1	4144	2	6	2
THR 14	20	497	21478	2915	36.9	2	4	507	20.06	7114	5	2	2	65	94	12	8	68	.19	.031	2	11	.14	5	.03	6	.89	.01	.07	3	1622	2	6	2
THR 15	20	20699	203	223	12.1	88	30	868	11.58	71	5	ND	2	182	3	2	2	162	2.17	.051	27	84	2.31	3	.27	4	3.09	.01	.01	1	3356	2	11	2
THR 16	302	7258	264	866	40.8	9	14	232	16.92	1641	5	ND	3	82	15	14	59	57	.24	.015	2	10	.08	2	.02	2	.54	.01	.01	1	2001	2	6	2
THR 17	1	7830	95	218	33.0	84	31	1985	6.08	38	5	ND	1	54	4	2	3	105	5.64	.039	2	305	2.02	4	.05	3	2.73	.01	.03	1	1122	8	13	2
THR 18	9	122	41	28	.4	1	1	53	2.62	54	5	ND	9	10	3	3	2	1	.03	.003	41	1	.02	217	.01	2	.35	.01	.16	1	22	2	2	2
THR 19	493	4285	889	700	223.2	14	5	165	12.02	2002	5	ND	2	3	1	28	58	26	.03	.025	8	16	.10	19	.01	2	.47	.01	.10	1	3728	2	6	2
THR 20	105	11743	320	3825	43.3	27	22	4520	11.32	2122	5	ND	1	41	38	4	41	28	4.38	.023	2	4	.62	12	.01	6	.96	.01	.06	2	1116	2	2	2
THR 21	53	807	540	193	134.9	1	4	87	16.76	931	5	ND	2	6	1	2	248	31	.13	.017	2	1	.07	10	.04	3	.39	.01	.06	1	923	2	2	2
THR 22	1	333	15	1066	.5	8	18	2525	5.69	10	5	ND	1	76	7	2	2	155	4.34	.049	3	10	1.77	8	.19	2	6.38	.01	.07	1	6	2	3	2
THR 23	14	3403	13	48	1.4	14	12	405	4.70	9	5	ND	1	107	1	2	2	98	1.91	.053	2	12	1.20	17	.16	4	2.66	.13	.08	2	56	2	2	2
THR 25	7	18	45	150	1.1	2	2	157	2.25	14	5	ND	1	10	1	2	2	2	.71	.102	2	1	.12	35	.01	8	.38	.03	.11	1	33	2	2	2
THR 26	13	63	16	97	.5	2	5	3648	2.23	7	5	ND	1	287	2	2	2	8	18.42	.008	5	3	.94	65	.01	2	.95	.01	.05	1	1	2	2	2
THR 27	1	120	15	253	.2	4	7	3153	3.97	29	5	ND	1	47	1	2	2	26	5.44	.022	6	5	2.68	43	.01	2	2.21	.01	.07	1	1	2	2	2
THR 28	2	406	7	19	.2	29	27	231	3.93	20	5	ND	1	40	1	2	2	58	1.20	.054	2	18	.77	14	.11	2	1.32	.13	.05	1	1	3	4	2
THR 29	4	15	26	100	.1	5	4	496	1.45	17	5	ND	1	4	1	2	2	25	.15	.008	2	9	.65	6	.04	2	.89	.01	.06	1	1	2	2	2
THR 30	1	187	8	49	.1	3	12	586	5.21	2	5	ND	1	40	1	2	2	89	1.01	.080	3	6	1.35	155	.31	4	3.03	.17	2.24	2	1	2	2	2
THR 31	1	15	20	133	.1	10	5	497	13.40	2	5	ND	11	21	1	2	2	128	1.78	.033	3	5	.67	61	.01	2	1.47	.02	.10	1	1	2	2	2
THR 32	3	83	9	49	.5	7	7	384	9.28	7	5	ND	3	33	1	2	2	75	.47	.182	4	18	.83	571	.13	4	1.38	.02	.13	1	26	2	2	2
THR 33	59	15	24	22	.5	3	10	57	3.18	5	6	ND	3	5	1	3	2	3	.11	.065	2	1	.11	122	.01	2	.35	.03	.09	1	43	2	2	2
THR 34	3	10457	19	44	22.7	1	8	812	4.50	78	5	ND	3	22	1	4	4	21	1.60	.068	6	3	.35	75	.01	3	.79	.01	.19	1	87	2	2	2
THR 35	18	152	88	2132	1.0	14	12	762	2.91	20	5	ND	1	19	23	2	4	58	1.09	.021	2	35	1.25	11	.13	5	1.74	.01	.12	1	33	2	2	2
THR 36	211	82	649	201	3.8	12	6	391	2.88	210	6	ND	1	24	2	5	2	47	.23	.016	2	16	.68	6	.12	7	1.04	.01	.08	1	260	3	3	2
THR 37	201	77	1098	557	6.3	6	4	168	2.86	573	5	ND	1	27	4	8	2	28	.19	.006	2	10	.25	4	.06	5	.50	.01	.05	1	816	2	2	2
STD C/FA-5X	17	58	42	131	6.5	67	28	1066	4.13	40	18	8	37	47	16	16	22	58	.48	.084	40	55	.93	178	.07	36	1.98	.06	.14	11	103	98	97	18

- ASSAY REQUIRED FOR CORRECT RESULT for Cu, Pb >10,000 ppm

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
THR 38	5	722	18	60	.6	39	20	662	11.89	169	5	ND	1	2	1	2	2	135	.13	.044	2	241	3.72	19	.04	2	4.07	.01	.03	1	72	2	2	2
THR 39	1	33	3	33	.1	102	13	636	3.04	2	5	ND	1	126	1	2	2	52	2.67	.064	4	229	2.41	57	.11	4	2.01	.07	.07	1	1	1	2	2
THR 40	1	98	3	54	.1	18	14	775	6.68	9	5	ND	1	31	1	2	2	145	4.04	.092	2	28	2.58	4	.22	2	2.43	.02	.03	1	1	5	5	2
THR 41	1	9	5	51	.1	25	6	4475	2.30	2	5	ND	1	15	1	2	3	6	3.47	.008	2	2	.38	135	.01	2	.20	.01	.03	1	1	1	2	2
THR 42	1	201	47	71	5.0	14	9	579	2.38	92	5	ND	1	6	1	2	2	25	.30	.017	2	59	.92	16	.03	3	1.01	.01	.02	1	127	1	2	2
THR 43	1	114	7	47	.1	12	15	646	4.08	3	5	ND	1	126	1	2	2	96	3.45	.045	2	14	1.65	21	.29	2	3.96	.17	.05	1	3	1	3	2
THR 44	1	160	7	25	.2	28	23	356	3.45	8	5	ND	1	129	1	2	2	67	2.81	.033	2	26	.89	19	.19	11	3.31	.23	.11	1	2	4	5	2
THR 45	1	185	2	36	.1	21	23	453	3.97	5	5	ND	1	88	1	2	2	93	2.38	.068	2	25	1.15	24	.23	2	2.75	.20	.11	1	2	4	6	2
THR 46	1	148	10	43	.1	43	24	578	5.47	4	5	ND	1	119	1	2	2	141	2.41	.030	2	31	2.32	16	.35	2	4.38	.20	.07	1	2	5	7	2
THR 47	1	160	17	70	.1	17	21	613	4.23	7	5	ND	1	107	1	2	2	121	3.34	.050	2	19	1.45	17	.34	3	3.58	.15	.08	1	2	5	6	2
THR 48	1	61	6	18	.1	10	9	581	2.39	5	5	ND	9	24	1	2	2	80	4.25	.025	7	21	.96	8	.17	7	2.34	.04	.04	1	3	3	2	2
THR 49	1	65	11	55	.1	25	16	618	3.90	9	5	ND	1	26	1	2	2	124	4.37	.051	2	38	1.73	9	.27	47	3.49	.03	.03	1	2	5	5	2
THR 50	1	30	5	109	.2	23	17	940	5.01	9	5	ND	1	36	1	2	2	147	4.00	.039	2	59	2.42	5	.15	10	2.63	.02	.02	1	27	5	4	2
THR 51	1	100	6	61	.1	17	17	757	4.38	2	5	ND	1	209	1	2	2	103	3.75	.047	2	21	1.82	58	.30	7	3.97	.13	.07	1	3	5	4	2
THR 52	1	133	7	65	.1	14	20	888	5.49	2	5	ND	1	436	1	2	2	153	3.83	.062	3	16	2.11	201	.35	3	3.76	.10	.10	1	6	5	6	2
THR 53	1	274	3	18	.2	25	21	242	2.44	14	5	ND	1	156	1	2	2	61	2.75	.069	3	15	.51	17	.25	2	3.34	.30	.04	1	7	9	8	2
THR 54	1	214	9	43	.1	13	22	552	4.50	3	5	ND	1	83	1	2	2	86	2.19	.069	2	19	1.15	32	.18	3	2.87	.17	.11	1	3	2	6	2
THR 55	1	45	2	56	.1	21	17	1013	4.90	2	5	ND	1	65	1	2	2	127	10.13	.039	2	50	2.21	6	.24	9	2.39	.02	.03	1	19	5	6	2
THR 56	1	86	7	46	.1	11	14	661	3.67	2	5	ND	4	97	1	2	2	107	4.78	.040	6	15	1.47	30	.25	10	3.30	.05	.09	1	6	4	5	2
THR 57	1	46	8	13	.1	2	4	126	.84	3	6	ND	6	79	1	2	2	26	4.15	.005	4	5	.24	10	.09	6	2.65	.02	.06	1	4	1	2	2
THR 58	1	549	137	43665	5.1	12	25	1059	15.11	177	5	ND	1	44	696	2	2	40	4.12	.018	2	22	.87	8	.01	2	1.29	.01	.03	3	195	3	2	2
THR 59	1	296	147	282	5.0	5	4	192	5.33	328	5	ND	1	6	3	2	2	215	.17	.009	2	92	.16	1	.02	13	.38	.01	.01	1	199	4	11	2
THR 60	1	283	6	385	.4	20	18	796	4.61	4	5	ND	1	67	4	2	2	133	4.01	.074	3	54	2.19	36	.12	5	2.48	.08	.08	1	7	3	11	2
THR 61	1	368	133	84	10.7	7	6	273	9.37	468	5	ND	1	7	1	3	6	470	.14	.018	2	188	.20	1	.05	6	.56	.01	.01	1	438	4	12	2
THR 62	4	412	5452	6336	12.6	1	3	4085	2.06	32	5	ND	1	4	38	2	2	17	.20	.005	3	5	.34	22	.01	2	.67	.01	.02	1	2525	1	2	2
THR 63	1	322	22	45	.1	21	23	323	4.84	11	5	ND	1	32	1	2	2	99	1.21	.074	3	28	1.04	10	.25	5	1.64	.07	.08	1	11	4	7	2
THR 64	119	18	51	106	2.3	1	3	364	1.88	2	5	ND	1	106	1	2	2	20	1.01	.037	4	7	.48	31	.08	2	1.32	.02	.04	1	12	1	2	2
THR 65	1	41	13	33	.3	11	14	373	2.32	3	5	ND	1	93	1	2	2	75	3.83	.050	2	21	.96	3	.22	15	2.99	.01	.01	1	1	3	4	2
THR 66	1	111	9	56	.2	11	15	370	3.46	7	5	ND	1	40	1	2	2	110	1.79	.085	2	14	1.31	12	.36	2	2.14	.06	.07	1	1	4	4	2
THR 67	23	21414	54	129	20.2	613	390	249	47.03	582	5	ND	7	35	5	2	21	89	.93	.022	2	41	.58	3	.01	16	.76	.01	.02	1	964	5	81	2
STD C/FA-5X	18	57	40	128	6.6	65	28	1059	4.08	40	15	8	37	48	17	16	19	58	.47	.090	40	57	.93	178	.07	38	1.98	.07	.13	10	97	92	101	21

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: SEP 1 1988
DATE REPORT MAILED: Sept. 6/88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

ASSAYER: C. Leong ..... D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERALS INC. FILE # 88-2275R

SAMPLE#	Cu %	Pb %	Zn %	Ag OZ/T
THR 03	.02	.02	1.08	.10
THR 07	.10	.36	.38	1.47
THR 08	1.35	.01	.01	.41
THR 13	.04	2.28	.19	.91
THR 14	.05	2.23	.35	1.24
THR 15	1.98	.01	.02	.46
THR 16	.70	.03	.10	1.41
THR 19	.43	.10	.08	7.19
THR 20	1.18	.04	.47	1.46
THR 34	1.01	.01	.01	.69
THR 58	.05	.02	5.87	.24
THR 67	2.24	.01	.01	1.02

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: AUG 23 1988 DATE REPORT MAILED: Aug 30/88 ASSAYER: C. Leong ...D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERAL INC. PROJECT THORNE LK. File # 88-3815 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
88 TR 250	1	122	29	30	.3	9	5	235	1.34	2	5	ND	1	32	1	2	2	43	2.87	.007	2	27	.56	2	.07	6	1.06	.01	.03	1	43
88 TR 251	2	44	64	219	22.3	10	49	3369	25.18	729	5	2	5	2	1	2	37	101	.10	.031	2	13	1.81	17	.07	4	3.26	.01	.11	3	1524
88 TR 252	88	1546	170	649	15.6	4	4	1031	23.75	232	5	ND	5	14	4	2	29	94	.33	.051	3	11	.76	24	.21	3	1.95	.01	.20	1	1326
88 TR 253	13	1522	226	36	35.0	2	4	154	4.01	366	5	ND	1	5	2	2	117	11	.09	.306	2	1	.04	19	.02	5	.33	.01	.10	1	228
88 TR 254	2	36	71	163	2.2	20	19	1626	13.70	1093	5	ND	4	57	2	5	2	96	.14	.044	2	51	1.29	8	.19	5	2.49	.01	.08	1	177
88 TR 255	4	42	87	93	6.3	3	5	2931	8.52	371	5	ND	2	9	2	2	12	68	.07	.066	2	10	1.30	23	.01	3	2.55	.01	.14	1	234
88 TR 256	12	51	236	29	35.9	3	7	113	3.74	728	6	ND	2	4	1	5	98	7	.01	.004	2	3	.04	5	.01	3	.14	.01	.02	4	1210
88 TR 257	7	93	145	50	6.4	2	1	1578	12.32	934	5	ND	3	39	1	6	9	67	.08	.084	3	7	.39	32	.27	2	1.40	.01	.56	7	154
88 TR 258	6	30	224	35	15.8	3	1	156	3.91	119	6	2	1	7	1	5	13	18	.14	.007	2	4	.06	15	.01	5	.43	.01	.16	4	2732
88 TR 259	5	20383	116	117	19.7	110	55	771	9.95	54	5	ND	2	36	5	2	52	116	1.83	.065	2	158	2.14	10	.10	2	1.93	.02	.08	1	1415
88 TR 260	6	627	15	36	1.9	18	26	222	11.46	72	8	ND	4	47	1	2	2	176	.59	.074	3	74	1.29	19	.31	2	2.47	.02	.05	1	93
88 TR 261	17	739	545	937	40.1	9	6	891	8.33	617	5	7	3	27	10	16	82	52	.34	.052	8	50	.46	156	.01	6	1.32	.01	.73	1	8214
88 TR 262	31	374	444	471	47.0	8	7	1235	14.71	957	5	12	4	40	6	6	80	57	.67	.077	7	60	.43	58	.01	5	1.51	.01	1.07	1	9742
88 TR 263	18	929	233	1634	13.5	16	4	1474	24.63	1951	5	ND	5	14	15	4	26	135	.30	.134	4	133	.83	86	.01	2	2.11	.01	.13	1	1018
88 TR 264	13	24	191	41	1.4	2	7	237	5.08	49	5	ND	4	10	2	2	2	14	.14	.084	18	7	.49	41	.01	4	1.21	.01	.39	1	96
88 TR 265	1	92	16	67	1.0	12	13	350	4.01	85	5	ND	1	4	1	2	2	74	.31	.050	2	19	1.39	12	.12	7	1.94	.01	.20	1	26
88 TR 268	10	11	25	17	1.0	1	2	57	1.39	7	5	ND	2	8	1	3	2	4	.04	.009	2	3	.10	59	.01	6	.52	.04	.17	3	28
88 TR 269	320	96	95	63	2.0	6	7	128	11.51	16	5	ND	3	34	1	10	2	36	.10	.052	4	19	.27	59	.01	5	.78	.04	1.18	2	124
88 TR 270	3	180	146	159	3.7	4	13	71	16.10	67	8	ND	5	7	2	2	3	81	.09	.044	2	16	.07	12	.12	4	.60	.03	.13	1	78
88 TR 272	6	99999	73	698	130.8	10	16	60	18.44	39	5	ND	4	2	11	2	481	38	.07	.001	2	16	.36	5	.01	2	.36	.01	.02	1	256
88 TR 273	2	426	73	396	3.0	15	31	6047	7.00	209	10	ND	1	95	5	2	2	42	13.32	.036	5	18	1.14	10	.02	2	1.44	.01	.09	4	534
88 TR 274A	8	1347	49	16635	3.6	12	36	511	6.36	413	8	ND	2	34	213	2	2	139	8.89	.003	6	40	1.26	5	.22	19	1.16	.01	.08	1	99
88 TR 274B	1	1028	7	47	3.8	14	15	78	31.23	56	5	ND	5	2	1	2	19	359	.12	.022	2	70	.05	12	.05	2	.21	.01	.01	2	892
88 TR 275	1	102	6	200	.3	3	10	204	6.43	11	5	ND	1	4	2	2	2	108	.41	.068	2	19	1.08	15	.21	2	1.09	.02	.15	1	29
88 TR 276	101	104	305	156	33.6	23	134	32	13.79	254	5	ND	3	1	7	7	53	6	.02	.001	2	2	.01	7	.01	5	.03	.01	.02	2	396
88 TR 278	5	321	2457	3601	6.1	33	122	3174	14.03	338	5	ND	3	6	21	7	4	102	.26	.090	6	98	1.22	15	.17	2	3.27	.01	.18	4	315
88 PS 508	2	464	289	1540	4.0	6	5	13283	3.78	88	7	ND	1	43	16	2	5	31	9.14	.017	2	7	.67	4	.03	2	1.04	.01	.06	1	121
88 PS 509	12	33	125	545	3.4	9	14	70871	14.14	901	8	ND	9	22	13	2	6	49	4.81	.029	2	10	1.19	14	.05	2	1.76	.01	.04	1	254
88 PS 510	21	58	100	303	4.1	6	6	4574	18.35	1238	5	ND	3	29	2	2	8	130	.26	.069	2	33	1.42	11	.14	2	3.09	.01	.06	1	378
88 PS 511	3	42	239	96	21.6	3	10	1632	5.51	924	5	2	2	2	1	5	35	17	.10	.015	2	3	.06	9	.04	2	.30	.01	.07	1	2726
88 PS 512	15	85	242	31195	22.1	8	26	65158	14.38	880	6	ND	8	18	248	2	34	26	4.33	.010	2	7	.91	4	.02	2	.73	.01	.01	3	774
88 PS 513	7	39	183	425	6.0	4	8	1873	15.27	949	5	3	3	6	2	2	2	121	.20	.045	2	9	.86	11	.09	2	1.83	.01	.10	1	2360
88 PS 514	1	15073	21	679	10.8	35	1	1597	4.67	210	5	ND	1	2	6	4	34	3	.14	.002	2	1	.02	3	.01	9	.07	.01	.03	1	633
88 PS 515	2	47	15	64	.3	4	4	317	2.17	40	5	ND	1	2	1	2	2	37	.13	.017	2	7	.91	4	.04	2	1.05	.01	.05	1	25
88 PS 516	1	1545	2	68	1.2	12	34	909	5.30	5	5	ND	1	61	2	2	2	118	4.24	.063	4	16	1.31	12	.07	2	2.15	.01	.13	1	12
88 PS 517	1	150	8	46	.2	17	20	404	5.94	4	5	ND	1	115	1	2	2	100	1.13	.064	2	12	2.30	39	.27	2	3.37	.12	.07	1	1
STD C/AU-R	18	60	39	132	6.5	67	28	1018	4.19	42	13	8	37	47	17	17	18	57	.49	.094	40	61	.91	178	.07	33	1.98	.06	.15	11	480

- ASSAY REQUIRED FOR CORRECT RESULTS for Cu Pb Zn >10,000 ppm
Ag > 35 ppm

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
88 PS 518	13	30	86	48	5.7	13	84	105	13.63	1003	5	2	3	2	2	3	9	24	.04	.015	2	4	.03	7	.02	3	.22	.01	.05	3	2630
88 PS 519	13	739	447	1523	28.1	1	3	146	20.62	791	5	9	4	7	5	6	76	57	.03	.015	2	15	.10	5	.06	7	.32	.01	.02	1	10996
88 PS 520	108	654	21	48	28.8	15	9	148	5.82	79	5	133	3	173	2	3	2	75	1.28	.077	5	44	.37	4	.37	8	1.31	.31	.02	1	830
88 PS 521	64	1798	105	112	4.2	29	30	182	23.30	59	5	ND	6	78	2	4	5	138	.17	.048	2	56	.80	63	.25	3	1.57	.03	.07	1	1225
88 PS 522	27	581	122	542	4.4	7	8	499	16.91	714	5	ND	3	8	1	6	4	196	.11	.051	2	51	.29	5	.08	2	1.15	.01	.04	1	240
88 PS 523	4	146	1630	717	2.4	10	20	13198	9.23	314	67	ND	1	102	6	6	2	128	21.39	.034	4	30	2.57	2	.02	3	2.72	.01	.01	42	520
88 PS 524	1	14389	31	109	2.9	30	66	775	6.59	45	5	ND	2	89	4	5	2	82	1.17	.079	2	78	2.35	13	.19	6	2.11	.02	.02	1	1285
88 PS 525	7	5478	21371	723	332.7	1	3	169	15.50	156	5	ND	4	43	10	74	54	59	.22	.017	2	4	.09	11	.08	3	.46	.01	.03	1	1045
88 PS 526	6	28311	338	15019	400.7	11	16	2354	5.70	86	63	2	1	50	246	194	4	37	20.23	.016	3	10	.67	4	.06	4	.89	.01	.05	1	4630
88 PS 527	1	3878	73	202	12.9	24	164	240	11.32	127	5	2	3	2	3	9	2	72	.09	.011	2	11	1.04	1	.02	2	1.32	.01	.01	1	895
88 PS 528	1	61	10	30	.5	7	5	175	1.36	4	5	ND	1	2	1	2	2	35	.15	.010	2	22	.79	3	.06	2	.72	.01	.03	3	13
88 PS 529	1	9	15	39	.3	12	15	794	7.50	161	5	ND	2	1	1	4	2	64	.07	.005	2	16	1.33	7	.06	3	1.41	.01	.07	3	205
88 PS 530	1	36	11	41	.2	17	10	437	2.79	5	5	ND	1	14	2	2	2	56	.31	.017	2	61	1.79	2	.07	4	1.63	.01	.01	3	7
88 PS 531	6	77	15	38	.8	1	3	242	2.06	138	5	ND	2	16	1	2	2	17	.24	.042	5	6	.58	23	.07	2	.84	.02	.07	1	315
88 PS 532	152	89	982	300	54.9	23	107	28	13.21	273	5	ND	3	1	11	5	85	2	.01	.001	2	2	.01	4	.01	2	.02	.01	.01	2	370
88 PS 533	2	3431	226	303	12.9	10	9	214	2.55	56	5	ND	1	4	3	2	3	217	.09	.001	3	9	.31	9	.01	2	.59	.01	.02	1	1225
88 PS 534	2	16176	677	426	66.3	16	9	362	2.88	25	5	ND	1	8	2	2	18	458	.21	.008	2	22	.67	9	.02	11	1.05	.01	.04	2	390
88 PS 535	6	20349	181	787	114.9	9	22	857	12.19	388	15	ND	1	24	15	7	367	14	9.55	.034	5	10	.48	38	.04	3	1.29	.01	.17	1	375
88 PS 536	3	3666	27867	1715	272.6	3	3	118	1.74	84	5	ND	2	4	31	2	584	15	.20	.023	2	4	.12	5	.02	6	.25	.01	.04	4	315
88 PS 537	48	34445	374	171	113.1	3	11	182	10.27	311	5	ND	2	16	3	3	31	22	.38	.020	2	6	.22	8	.06	2	.91	.01	.10	1	920
88 PS 538	1	9897	8136	23459	77.1	3	14	238	4.08	80	5	ND	1	4	154	2	103	13	.04	.013	2	7	.27	18	.01	2	.62	.01	.14	1	66
88 PS 539	2	16982	173	652	87.8	12	26	2275	11.39	49	5	ND	1	46	6	5	59	81	4.93	.045	4	29	1.50	24	.16	5	2.43	.01	.16	1	97
88 PS 540	1	15642	21309	89707	302.8	6	29	203	4.18	63	5	ND	2	5	557	2	454	10	.07	.009	2	4	.21	21	.01	2	.63	.01	.17	2	215
88 PS 541	74	1945	2271	749	249.8	22	20	213	13.29	1042	5	7	2	4	4	8	355	43	.05	.012	2	70	.32	7	.03	2	.70	.01	.02	1	7530
STD C/AU-R	19	60	40	130	6.6	68	29	1020	4.27	43	17	8	36	49	18	17	19	61	.49	.090	41	60	.92	186	.07	33	1.99	.06	.15	13	510

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: AUG 23 1988 DATE REPORT MAILED: Aug 30/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERAL INC. PROJECT THORNE LK. File # 88-3815 Page 3

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Pt** PPB	Pd** PPB	Rh** PPB
88 TR 266	41	2003	120	164	3.5	26	76	529	19.34	42	5	ND	4	5	2	6	2	106	.12	.024	2	49	1.78	3	.14	2	4.02	.01	.01	1	121	5	19	2
89 TR 267	42	9738	38	106	7.3	101	41	469	3.98	45	5	ND	1	54	2	2	2	137	2.48	1.200	19	20	2.37	1	.05	20	2.18	.01	.02	1	539	7	27	2
88 TR 271	114	1278	154	375	3.0	72	135	250	10.57	39	5	ND	1	72	2	2	3	105	.65	.094	4	51	1.28	21	.21	2	2.23	.03	.04	1	72	7	18	2
88 TR 277	3	13986	1529	852	125.0	51	30	866	26.12	1589	5	ND	5	3	9	6	390	31	.07	.021	2	14	1.27	5	.02	5	3.21	.01	.03	1	206	2	25	2

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 1 1988

DATE REPORT MAILED: Sept 17/88

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp

ASSAYER: C. Leong D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERAL INC. PROJECT THORNE LK. FILE # 88-3815R

SAMPLE#	Cu %	Pb %	Zn %	Ag OZ/T
88 TR 253	.02	.03	.01	1.08
88 TR 256	.01	.02	.01	1.09
88 TR 259	1.87	.01	.01	.67
88 TR 261	.08	.06	.11	1.20
88 TR 262	.04	.05	.05	1.41
88 TR 272	25.13	.01	.10	4.90
88 TR 274A	.13	.01	1.74	.17
88 TR 274B	.11	.01	.01	.19
88 PS 512	.01	.03	3.82	.73
88 PS 514	1.47	.01	.08	.39
88 PS 524	1.55	.01	.01	.13
88 PS 525	.68	14.21	.09	18.60
88 PS 526	2.62	.04	1.77	11.74
88 PS 532	.02	.12	.04	1.81
88 PS 533	.42	.03	.04	.47
88 PS 534	1.72	.08	.05	2.14
88 PS 535	2.21	.02	.10	3.75
88 PS 536	.46	6.04	.20	10.21
88 PS 537	3.55	.06	.02	3.64
88 PS 538	1.02	.89	2.46	2.34
88 PS 539	1.77	.02	.08	2.69
88 PS 540	1.58	2.07	7.97	8.61
88 PS 541	.20	.28	.10	7.28
88 TR 277	1.42	.20	.11	3.74

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: SEP 13 1988 DATE REPORT MAILED: Sept 17/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

ASAMERA MINERALS INC. File # 88-4448

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
039559	6	787	120	2151	4.1	26	11	5043	11.05	105	5	ND	2	12	12	2	2	138	.31	.081	4	99	2.99	46	.01	2	4.40	.01	.14	1	44
039560	5	879	72	1256	6.2	26	12	5089	10.73	293	5	ND	2	11	4	3	2	119	.19	.059	3	123	2.74	65	.01	2	4.21	.01	.13	3	89
039561	15	74454	38	324	72.0	302	36	1074	9.86	7	5	6	1	17	11	2	84	48	1.66	.086	3	25	1.32	8	.01	2	1.85	.02	.09	1	9320
039562	10	110	162	38	6.1	10	33	162	5.59	1862	5	ND	1	3	1	2	11	15	.05	.010	2	6	.07	9	.02	2	.25	.01	.07	4	2700
039563	1	316	247	456	2.9	11	15	4679	14.18	488	5	ND	2	13	1	2	2	187	.56	.112	2	17	1.95	13	.32	2	3.97	.01	.19	1	360
039564	11	31	70	156	2.2	9	42	166	6.98	475	5	ND	1	3	1	3	2	22	.04	.011	2	8	.07	5	.02	2	.18	.01	.03	4	870
039565	1	305	36	1196	.2	23	37	4567	8.23	17	5	ND	1	27	12	2	2	175	.90	.083	3	15	2.98	21	.34	2	4.38	.01	.12	1	23
039566	1	314	1290	1809	3.8	72	21	3652	16.44	157	5	3	2	9	9	5	2	202	.27	.062	2	363	3.20	8	.18	2	4.17	.01	.03	4	1270
039567	1	710	11525	16747	8.4	7	12	3060	3.61	20	5	ND	1	84	93	2	5	70	9.91	.033	3	14	1.21	13	.09	2	2.55	.01	.11	1	66
039573	61	48	37	341	1.3	6	10	3709	2.63	3	6	ND	3	146	4	2	2	33	15.51	.010	4	11	1.17	81	.01	2	.79	.01	.01	1	42
039574	7	465	16	83	.1	5	9	655	13.76	32	5	ND	2	2	1	9	2	132	.17	.062	2	127	4.21	8	.04	3	5.95	.01	.02	3	10
039575	9	206	803	1109	3.8	5	9	85	4.09	202	5	ND	1	15	2	2	71	144	.14	.043	2	27	.32	65	.08	2	.54	.01	.11	2	60
039576	34	541	3080	17114	47.3	27	131	36	16.00	535	9	ND	2	3	216	2	61	10	.03	.008	2	11	.05	7	.02	2	.13	.01	.07	1	380
039577	57	131	417	516	7.1	9	14	233	1.29	38	5	ND	1	17	10	2	20	8	1.99	.008	2	7	.15	7	.01	2	.23	.01	.04	1	77
039578	4	1561	23051	10141	158.2	11	4	336	1.47	37	5	ND	1	25	189	2	310	184	2.30	.021	2	12	.23	9	.02	10	.36	.01	.06	1	109
STD C/AU-R	18	58	41	132	6.7	64	29	1033	3.98	40	16	7	36	47	18	21	23	57	.46	.090	38	53	.86	172	.06	32	1.85	.06	.14	11	530

- ASSAY REQUIRED FOR CORRECT RESULT for Cu Pb Zn >10,000 ppm
Ag > 35 ppm

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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

DATE RECEIVED: SEP 29 1988 DATE REPORT MAILED: Oct 12/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

TOM RICHARDS PROSPECTING PROJECT ASA-THORNE LK. File # 88-4867

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
PS 587	4	109	60	202	4.0	24	124	1196	14.79	5551	5	2	1	19	2	2	8	79	.32	.040	2	10	.82	14	.08	4	1.76	.01	.08	2	2120
PS 588	2	108	54	156	3.5	28	133	998	16.51	2207	5	ND	2	23	1	2	4	72	.61	.035	2	5	.70	5	.11	2	1.64	.01	.08	1	1310
PS 589	1	4	5	19	.1	1	23	18092	1.97	65	5	ND	1	95	1	2	2	7	27.80	.002	3	1	.13	2	.01	2	.18	.01	.01	1	42
PS 590	13	1694	54	2802	6.5	13	24	1738	17.27	324	5	ND	2	8	19	2	16	61	.42	.018	2	25	1.06	5	.05	2	2.04	.01	.05	1	4610
STD C	17	59	44	133	7.2	67	31	1047	4.17	44	17	7	37	48	18	16	19	58	.50	.087	39	52	.94	183	.07	33	1.96	.06	.13	11	-

A P P E N D I X II

Rock Sample Descriptions

ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	DESCRIPTION
THR 01	Rock grab: rusty quartz and calcite veinlet with pyrite, non magnetic
THR 02	Float: rusty quartz with pyrite, non magnetic
THR 03	Float: rusty quartz with pyrite and hydrozincite, non magnetic
THR 04	Float: hornblende-epidote porphyry with malachite, moderately magnetic
THR 05	Float: fragmented greenstone with jasper? and epidote, non magnetic
THR 06	Float: carbonate veining with iron stain, hematite, pyrite, and malachite, non magnetic
THR 07	Float: rusty with malachite stain, non magnetic
THR 08	Float: rusty with malachite stain, strongly magnetic
THR 09	Float: rusty with quartz, non magnetic
THR 10	Rock grab: calcite stringers, non magnetic
THR 11	Rock grab: rusty with malachite stain
THR 12	Rock grab: from a rusty zone 0.5 metre wide, non magnetic
THR 13	Float: rusty quartz, non magnetic
THR 14	Rock grab: rusty banded quartz and carbonate, non magnetic
THR 15	Rock grab: rusty iron staining with malachite, moderate to strongly magnetic
THR 16	Rock grab: spongy and rusty rock with malachite, non magnetic
THR 17	Rock grab: rusty quartz, non magnetic
THR 18	Rock grab: rusty quartz with malachite and chalcopyrite, non magnetic

SAMPLE NO.	DESCRIPTION
THR 19	Rock grab: spongy and rusty rock with pyrite and trace malachite, non magnetic
THR 20	Rock grab: spongy and rusty rock with massive pyrite, non magnetic
THR 21	Rock grab: altered porphyry adjacent to spongy orange rock, non magnetic
THR 22	Rock grab: rusty, silicic orange rock containing pyrite, in a one metre wide zone, weakly magnetic
THR 23	Rock grab: in a volcanic rock with quartz and malachite, weak to moderately magnetic
THR 24	NOT USED
THR 25	Rock grab: rusty with pyrite, possible arsenopyrite, non magnetic
THR 26	Rock grab: rusty banded metavolcanic rock with calcite and quartz veining and pyrite, non magnetic
THR 27	Float: altered intrusive, non magnetic
THR 28	Float: rusty altered porphyry with pyrite, non magnetic
THR 29	Float: rusty with quartz and pyrite, non magnetic
THR 30	Float: rusty altered porphyry, non magnetic
THR 31	Rock grab: rusty banded metavolcanic rock with calcite and quartz veining and pyrite, moderate to strongly magnetic
THR 32	Rock grab: iron-welded breccia, weakly magnetic
THR 33	Rock grab: rusty with pyrite, possible arsenopyrite, non magnetic
THR 34	Float: quartz stringer in intrusive rock with malachite and chalcopyrite
THR 35	Float: quartz-carbonate veining in mafic host, with hydrozincite and possible copper, non magnetic

SAMPLE NO.	DESCRIPTION
THR 36	Float: rusty with quartz and pyrite, non magnetic
THR 37	Float: rusty with blue metallic mineral
THR 38	Float: massive pyrite, non magnetic
THR 39	Float: fine to medium grained mafic intrusive, weakly magnetic
THR 40	Float: quartz and calcite stringers in basic volcanics, weakly magnetic
THR 41	Float: quartz-carbonate with pyrite, non magnetic
THR 42	no description
THR 43	no description
THR 44	Rock grab: rusty tuff with pyrite, non magnetic
THR 45	Rock grab: rusty tuff with pyrite, non magnetic
THR 46	Rock grab: rusty tuff with pyrite
THR 47	Rock grab: rusty tuff with quartz and calcite veining and pyrite, non magnetic
THR 48	Rock grab: fractured volcanic rock with feldspar veining, non magnetic
THR 49	Rock grab: fractured volcanic rock with tiny quartz veins, non magnetic
THR 50	Rock grab: fractured volcanic rock with tiny quartz veins, non magnetic
THR 51	Rock grab: fractured volcanic rock with tiny quartz veins, non magnetic
THR 52	Rock grab: fractured volcanic rock with calcite veining
THR 53	Rock grab: basic volcanic rock with quartz stringers and pyrite, non magnetic
THR 54	Float: porphyry with quartz stringers and pyrite, weakly magnetic

SAMPLE NO.	DESCRIPTION
THR 55	Rock grab: fractured volcanics with quartz veining, non magnetic
THR 56	Rock grab: from a quartz-feldspar vein 20 cm. wide, non magnetic
THR 57	Rock grab: from a quartz-feldspar vein 20 cm. wide, non magnetic
THR 58	Rock grab: from quartz-carbonate vein with massive pyrite, zinc, and trace copper, non magnetic
THR 59	Rock grab: orange-weathered mafic porphyry with quartz-carbonate veining, non magnetic
THR 60	Rock grab: orange-weathered mafic porphyry with quartz-carbonate veining, non magnetic
THR 61	Rock grab: quartz-carbonate with malachite, non magnetic
THR 62	Float: quartz with copper and zinc, non magnetic
THR 63	Rock grab: volcanic breccia with occasional massive pyrite, non magnetic
THR 64	Rock grab: quartz vein stockwork in altered intrusive, containing pyrite; non magnetic
THR 65	Rock grab: volcanic rock with epidote veining, non magnetic
THR 66	Float: rusty porphyry with pyrite
THR 67	Float: with magnetite, malachite, strongly magnetic
TR 250	Quartz-epidote shear zone filling 30 cm. in width with specks of chalcopyrite
TR 251	Gossanous shear zone to 15 cm. in width, 20% deeply weathered pyrite
TR 252	Chip sample across 60 cm. in gossan zone with propyllitic rock laced with limonitic stringers

SAMPLE NO.	DESCRIPTION
TR 253	Collection of limonitic fragments derived from 5 to 15 cm. wide limonitic zone in shear
TR 254	Fractured rock with thin quartz stringers in 10 to 15 cm. wide zone of deeply weathered pyrite. Continuation of THR 17 and THR 18
TR 255	45 cm. chip sample of hanging wall. Propyllitic, limonitic rock, formerly greenstone
TR 256	10 cm. chip sample with quartz and deeply weathered pyrite
TR 257	20 cm. chip sample across propyllitic and pyritized footwall
TR 258	Thin (5 cm.), deeply weathered gossan with minor relict pyrite in highly shattered volcanics. Wall rock selvage weakly bleached, local strong Mn staining
TR 259	Chalcopyrite pod in augite porphyry
TR 260	Chips of gossanous rock floating on loose dirt collected across a 6 metre wide zone sandwiched between exposures of highly fractured greenstone
TR 261	2.5 metre wide chip sample across a clay gouge zone, unearthed by hammer-trenching. Rock contains yellowish iron sulphate and fine granular quartz and clay
TR 262	2.5 metre wide chip sample, similar to, and continuous with TR 261
TR 263	Gossanous float chips taken below TR 261 and 262
TR 264	One metre wide chip sample across argillically altered pyritic zone
TR 265	Sample from 45 cm. wide quartz-breccia zone in massive augite porphyry
TR 266	One metre wide section of very rusty weathering pyritic vein, with a core of coarse-grained pyrite and chlorite

SAMPLE NO.	DESCRIPTION
TR 267	Sample from 5 to 8 cm. wide shear zone with prominent lenses of Fe-rich hornblende, pyrite and chalcopyrite
TR 268	Bleached chips off ridge, adjacent to THR 25, 26, and 35
TR 269	Sample from yellowish-rusty clay alteration zone on surface
TR 270	Sample from prominent float train of gossanous fragments, completely weathered out
TR 271	Sample from 20 cm. quartz-chlorite-hornblende-pyrite vein
TR 272	Grab: from coarse-grained float with calcite, quartz, and chalcopyrite
TR 273	Grab: from 9 metre wide zone with quartz, calcite, chlorite, Mn ankerite, pyrite, and minor chalcopyrite
TR 274	Grab: from float train of pieces 15 to 30 cm. across with garnet and pyrite
TR 275	Grab: from float train of limonitic and pyritic rocks
TR 276	Grab: rock with rusty stringers of limonite, quartz, and K-feldspar
TR 277	Grab: from base of shear vein with pyrite and amphibole
TR 278	Grab: from block of quartz-pyrite
PS 508	Float: rock with pyrite, carbonate, chalcopyrite
PS 509	Grab: weathered pyrite vein
PS 510	Chip across 75 cm. weathered quartz vein with limonite and pyrite
PS 511	Chip across one metre with pyrite, quartz, and limonite

SAMPLE NO.	DESCRIPTION
PS 512	Grab: from east side of vein, one metre below PS 509, with chlorite, pyrite, coarse sphalerite, hematite, and manganese
PS 513	Chip across 50 cm. poorly exposed vein 15 metres west of PS 512 and parallel to that vein
PS 514	Float: rounded rock containing quartz, pyrite, and chalcopyrite
PS 515	Float: from talus, with quartz stockwork, carbonate, and pyrite
PS 516	Float: angular quartz-pyrite boulder with carbonate stringers
PS 517	Siliceous rock with pyrite from a small gossan
PS 518	Quartz-pyrite in fault breccia
PS 519	Rusty rock with quartz
PS 520	Grab: from talus, with rusty patches
PS 521	Sample from 10 cm. rusty zone in gully
PS 522	10 cm. sample with quartz and limonite
PS 523	Float: ankeritic rock fragments with minor galena and pyrite
PS 524	Float: in talus, containing chalcopyrite
PS 525	Float: rusty rock from talus containing galena, cerrusite, and malachite
PS 526	Float: from talus, containing carbonate, chalcopyrite, and malachite
PS 527	Float: from talus 100 metres east of PS 523, containing quartz, pyrite, and chalcopyrite
PS 528	Float: from talus, with quartz stockwork
PS 529	Float: from talus below rusty seam, containing quartz and pyrite

SAMPLE NO.	DESCRIPTION
PS 530	Sample taken near pink granite contact, with quartz stockwork, similar to PS 528
PS 531	Float: granitic rock in talus with quartz stringers and pyrite
PS 532	Float: from talus below large gossan, containing quartz and pyrite
PS 533	Float: from talus below large gossan, and 25 cm. below a vein; containing quartz and pyrite
PS 534	Float: from talus below large gossan, and 25 cm. below a vein; containing quartz, carbonate, chalcocite, chalcopyrite, and pyrite
PS 535	50 cm. chips near footwall of shear, with carbonate, pyrite, chalcopyrite, malachite, and azurite
PS 536	Fractured rock at top of talus slope, with quartz, galena, malachite, chalcopyrite, and pyrite
PS 537	Float: from talus 100 metres north of gossan, within an area of mineralized float with no obvious source above. Contains quartz, pyrite, and chalcopyrite
PS 538	Float: talus sample of silicified rock with quartz, galena, pyrite, and malachite; 15 metres north of PS 537
PS 539	40 cm. chip sample in feldspar porphyry with pyrite, chalcopyrite, malachite, and azurite in a vein
PS 540	Float: talus sample below intrusive with quartz, galena, chalcopyrite, pyrite, and sphalerite
PS 541	Float: quartz, pyrite, and malachite in a weathered rock
PS 587	Rock chip sample across 45 cm. in a trench dug near sample PS 518. Sample contains 30 cm. quartz and 15 cm. pyrite in a rusty clay gouge with malachite

SAMPLE NO.	DESCRIPTION
PS 588	Rock chip sample similar to PS 587, but 40 cm. to the north from PS 587
PS 589	Float: 10 metres up creek from PS 587 in an ankeritic rock with 5% pyrite
PS 590	Rock chip sample across 60 cm. in a trench dug 47.5 metres north from location of samples PS 587 and PS 588. Sample contains 30 cm. of quartz and 30 cm. of clay gouge, pyrite, ferricrete, and malachite
039559	Float: limonitic rock near TR 261
039560	Float: limonitic rock near 039559
039561	Float: limonitic talus sample near TR 522
039562	Sample taken near PS 518, in a fault zone with ferricrete, from an oxidized rock containing pyrite
039563	Sample taken near PS 518, in a fault zone with ferricrete, from an oxidized rock containing pyrite
039564	Sample taken below a slump in a highly oxidized zone, near sample 039563
039565	Sample of gouge breccia in a shear zone one metre wide
039566	Resampling of PS 519
039567	Selected samples of quartz vein in footwall of fault
039573	Highly altered rock with carbonate, epidote, and trace pyrite, possibly a skarn
039574	Quartz vein in gossan
039575	Sample contains jasper with euhedral pyrite
039576	Limonitic rock with quartz and pyrite

SAMPLE NO.	DESCRIPTION
039577	Sample from cherty vein with jasper and sulphides
039578	Limonitic rock with quartz, carbonate, and pyrite

A P P E N D I X III

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

1. I have worked during the past twelve years for several mining exploration firms, including RioCanex Inc., Minequest Exploration Associates Ltd., Asamera Inc., and Asamera Minerals Inc.

2. I have supervised, designed, and conducted several geochemical and prospecting programs, including the work done on the Thorne claims contained in this assessment report.

3. I wrote this assessment report, using information supplied by the various sub-contractors hired by Asamera to work on the claims, and personal work experience on the property in 1988.

4. I am a member of the Geological Association of Canada.

Paul D. McCarthy, B.Sc.

A P P E N D I X I V

List of Personnel

LIST OF PERSONNEL

NAME	COMPANY	WORK PERIOD
K.Bilquist	Lone Trail Prospecting Ltd.	June 20 - 24, 1988
R.Bilquist	Lone Trail Prospecting Ltd.	June 20 - 24, 1988
G.Dickson	Asamera Minerals Inc.	Sept. 7 - 8, 1988
G.Graham	Asamera Minerals Inc.	June 20 - 24, 1988
P.McCarthy	Asamera Minerals Inc.	Aug. 13 - 19, 1988
T.Richards	Tom Richards Prospecting Ltd.	Aug. 13 - 19, 1988
P.Suratt	Tom Richards Prospecting Ltd.	Aug. 13 - 19, 1988 Sept. 23 - 26, 1988

Prospecting: K.Bilquist, R.Bilquist, G.Dickson, G.Graham, P.McCarthy, T.Richards, P.Suratt

Silt Sampling: G.Graham, P.McCarthy

A P P E N D I X V

Statement of Costs

STATEMENT OF COSTS

THORNE CLAIMS

June 20,1988 to December 1,1988

Fees and Wages		
P.McCarthy	12 days at $136.36 per day	1636.32
G.Graham	5 days at $125.00 per day	625.00
G.Dickson	3 days at $360.00 per day	1080.00
Lone Trail Prospecting Ltd.		1505.00
Tom Richards Prospecting Ltd.		16940.96
		$ 21787.28
Disbursements		
Accomodation		680.04
Camp supplies and consumables		2828.94
Commercial flights		4302.62
Drafting and related costs		966.16
Fuel and lubricants		207.32
General supplies		105.52
Geochemical analysis		5342.06
Helicopter charter		10333.41
Shipping		151.83
Vehicle rental		793.53
		$ 22359.26
	TOTAL COSTS:	$ 44146.54

126° 40'

126° 35'

56° 50'

THORNE V

THORNE I

THORNE III

THORNE II

THORNE IV

THORNE VI

Thorne Creek

LEGEND

SAMPLE	Au PPB	Pt PPB	Pd PPB	SAMPLE	Au PPB	Pt PPB	Pd PPB
TST 001	8	3	4	TST 036	1	2	5
TST 002	47	2	6	TST 037	2	2	5
TST 003	6	3	3	TST 038	32	3	3
TST 004	11	2	5	TST 039	1	3	3
TST 005	13	4	6	TST 040	1	2	2
TST 006	39	3	4	TST 041	7	4	5
TST 007	13	2	4	TST 042	8	3	5
TST 008	10	2	5	TST 043	7	4	2
TST 009	10	2	4	TST 044	85	4	3
TST 010	10	2	6	TST 045	45	3	2
TST 011	35	17	4	TST 046	10	3	2
TST 012	11	2	4	TST 047	6	4	4
TST 013	6	2	3	TST 048	6	3	2
TST 014	6	1	4	TST 049	31	2	2
TST 015	240	2	6	TST 050	6	4	2
TST 016	28	3	3	TST 051	6	3	3
TST 017	1	3	3	TST 052	9	4	2
TST 018	99	2	4	TST 053	8	3	3
TST 019	3	2	2	TST 054	51	3	3
TST 020	6	2	2	TST 055	5	3	2
TST 021	5	2	2	TST 056	4	3	2
TST 022	4	3	4	TST 057	4	2	2
TST 023	22	2	3	TST 058	3	3	2
TST 024	12	2	4	TST 059	11	2	2
TST 025	1	2	3	TST 060	18	3	2
TST 030	22	1	4	TST 061	78	2	2
TST 031	8	2	4	TST 062	3	3	2
TST 032	3	1	5	TST 063	5	3	3
TST 033	17	2	4	TST 064	8	3	3
TST 034	4	1	5	TST 065	2	3	3
TST 035	3	2	3				

● Au ≥ 25 ppb

• Au < 25 ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,370

metres 0 200 400 600 800 1000 metres

ASAMERA MINERALS INC.

THORNE CLAIM GROUP

SILT SAMPLE LOCATIONS
GOLD, PLATINUM, PALLADIUM RESULTS

FIGURE No.: 4	DRAWN BY: P. McCARTHY
DATE: NOVEMBER, 1988	SCALE: 1:10,000
	N.T.S. 94 - D/15

126° 40'

126° 35'

56° 50'

THORNE V

THORNE I | THORNE III

THORNE II | THORNE IV

THORNE VI

ZONE A

ZONE B (North)

ZONE B (South)

ZONE C

ZONE D

ZONE E (West)

ZONE E (East)

ZONE F

ZONE G

Thorne Creek

Samples 01 to 67 collected by K.Bilquist, R.Bilquist, G.Graham, P.McCarthy. Prefixed by "THR" in analysis certificate.

Samples 250 to 278 collected by T.Richards. Prefixed by "88-TR" in analysis certificate.

Samples 508 to 590 collected by P.Suratt. Prefixed by "88-PS" and "PS" in analysis certificates.

Samples 39559 to 39578 collected by G. Dickson.

metres 0 200 400 600 800 1000 metres

ASAMERA MINERALS INC.

THORNE CLAIM GROUP

ROCK SAMPLE LOCATIONS

FIGURE No: 5	DRAWN BY: P. McCARTHY
	SCALE: 1:10,000
DATE: NOVEMBER, 1988	N.T.S. 94 - D/15

126° 40'

126° 35'

56° 50'

THORNE V

THORNE I | THORNE III

THORNE II | THORNE IV

THORNE VI

ZONE A

ZONE B (North)

ZONE B (South)

ZONE C

ZONE D

ZONE E (West)

ZONE E (East)

ZONE F

ZONE G

1400 1500 1600 1700 1800 1900 2000 2100

Thorne Creek

N

LEGEND

Gold ≥ 1000 ppb, and associated elements.

Sample	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Zone
07	9064	38.7	928	2798	3064	6313	A
13	4144	22.9	452	21387	1581	2797	A
14	1622	36.9	497	21478	2915	7114	A
15	3356	12.1	20699	203	223	71	B
16	2001	40.8	7258	264	866	1641	B
17	1122	33.0	7830	95	218	38	B
19	3728	223.2	4285	889	700	2002	B
20	1116	43.3	11743	320	3825	2122	B
62	2525	12.6	412	5452	6336	32	-
251	1524	22.9	44	64	219	729	B
252	1326	15.6	1546	170	649	232	B
256	1210	35.9	51	238	29	728	C
258	2782	15.8	30	284	35	119	B
259	1415	19.7	20383	116	117	54	B
261	8214	40.1	738	545	937	617	A
262	9742	47.0	374	444	471	957	A
263	1018	13.5	928	233	1634	1951	A
511	2726	21.6	43	239	96	924	C
513	2360	6.0	39	183	425	949	C
518	2630	5.7	30	86	48	1003	B
519	10986	28.1	739	447	1523	781	B
521	1225	4.2	1798	105	112	59	A
524	1285	2.9	14389	31	109	45	E
525	1045	332.7	5478	21371	723	156	E
526	4630	400.7	28311	338	16019	86	E
533	1225	12.9	3431	226	303	56	F
541	7530	249.8	1945	2271	749	1042	G
587	2120	4.0	109	60	202	5551	B
588	1310	3.5	108	54	156	2207	B
590	4610	6.5	1694	54	2802	324	B
39561	9320	72.0	74454	38	324	7	A
39562	2700	6.1	110	162	38	1862	B
39566	1270	3.8	314	1290	1809	157	B

● Au ≥ 1000 ppb

• Au < 1000 ppb

metres 0 200 400 600 800 1000 metres

ASAMERA MINERALS INC.

THORNE CLAIM GROUP

ROCK SAMPLE RESULTS

GOLD

FIGURE No.: 6	DRAWN BY: P. McCARTHY
DATE: NOVEMBER, 1988	SCALE: 1:10,000
	N.T.S. 94 - D/15

126° 40'

126° 35'

56° 50'

THORNE V

THORNE I

THORNE II

THORNE III

THORNE IV

THORNE VI

ZONE A

ZONE B (North)

ZONE B (South)

ZONE C

ZONE D

ZONE E (West)

ZONE E (East)

ZONE F

ZONE G

Thorne Creek

1400 1500 1600 1700 1800 1900 2000 2100

N

LEGEND

Silver ≥ 35 ppm, and associated elements.

Sample	Ag ppm	Au ppb	Cu ppm	Pb ppm	Zn ppm	As ppm	Zone
07	38.7	9064	928	2798	3064	6313	A
14	36.9	1622	497	21478	2915	7114	A
16	40.8	2001	7258	264	866	1641	B
19	223.2	3728	4285	889	700	2002	B
20	43.3	1116	11743	320	3825	2122	B
21	134.9	923	807	640	193	931	B
253	35.0	228	1522	226	36	366	B
256	35.9	1210	51	238	29	728	C
261	40.1	8214	738	545	937	617	A
262	47.0	9742	374	444	471	957	A
272	130.8	256	99999	73	698	39	E
277	125.0	206	13986	1529	852	1589	F
525	332.7	1045	5478	21371	723	156	E
526	400.7	4630	28311	338	16019	86	E
532	54.9	370	89	982	300	273	F
534	66.3	390	16176	677	426	25	F
535	114.9	375	20349	181	787	388	F
536	272.6	315	3686	27867	1715	84	F
537	113.1	920	34445	374	171	311	F
538	77.1	68	9897	8136	23459	80	F
539	87.8	97	16982	173	652	49	F
540	302.8	215	15642	21309	89707	63	F
541	249.8	7530	1945	2271	749	1042	G
39561	72.0	9320	74454	38	324	7	A
39576	47.3	380	541	3080	17114	535	F
39578	158.2	109	1561	23051	10141	37	F

● Ag ≥ 35 ppm

• Ag < 35 ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,370

metres 0 200 400 600 800 1000 metres

ASAMERA MINERALS INC.

THORNE CLAIM GROUP

ROCK SAMPLE RESULTS
SILVER

FIGURE No.: 7	DRAWN BY: P. McCARTHY
DATE: NOVEMBER, 1988	SCALE: 1:10,000
	N.T.S. 94 - D/15

126° 40'

126° 35'

56° 50'

56° 50'

THORNE V

THORNE I | THORNE III

THORNE II | THORNE IV

THORNE VI

NORTH VALLEY FAULT

MAIN VALLEY FAULT

ZONE OF LIMONITIC CHIPS AND FRAGMENTS

BLOCKY FRACTURED AUGITE PORPHYRY

TUFFS, BRECCIA, AUGITE PORPHYRY

BLOCKY AUGITE PORPHYRY

TALUS APRON

MASSIVE AUGITE PORPHYRY

RUBBLY AUGITE PORPHYRY

MASSIVE AUGITE PORPHYRY

MASSIVE AUGITE PORPHYRY

MASSIVE AUGITE PORPHYRY BRECCIA

SHEARED GREENSTONE

MASSIVE AUGITE PORPHYRY

HORNFELSED VOLCANICS

AUGITE PORPHYRY

TALUS

TALUS

MASSIVE AUGITE PORPHYRY

1400 1500 1600 1700 1800 1900 2000 2100

Thorne Creek

LEGEND

GRANODIORITE

FAULT (PROJECTED)

SHEAR

CONTACT

GEOLOGY BY: T. A. RICHARDS
G. D. DICKSON
P. D. McCARTHY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,370

metres 0 200 400 600 800 1000 metres

ASAMERA MINERALS INC.

THORNE CLAIM GROUP

GEOLOGY

FIGURE No.: 3	DRAWN BY: P. McCARTHY
DATE: NOVEMBER, 1988	SCALE: 1:10,000
	N.T.S. 94 - D/15