IM

EVAN CLAIMS

YUKON MINING INCENTIVES PROGRAM

APPLICATION #99-070

1999 PROJECT REPORT:

GEOLOGY, GEOCHEMISTRY

on the

Evan 1 - 4 (YC08963 - YC08966)
Evan 5 - 16 (YC17975 - YC17986)

June 28 - July 8, 1999

105L/09
62°37'N 134°04'W
Whitehorse Mining District

Rob G. Wilson, P.Geo.
Atna Resources Ltd.
December15, 1999

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EXECUTIVE SUMMARY

The Evan property is situated within the Anvil Range, 40 km NW of Faro, Yukon. The Carboniferous and Permian Anvil Range Group which underlies the Evan property has been correlated with the Anvil allochthonous assemblage and thought to be an obducted slice of oceanic terrane. The Evan claims appear to lie within a lower member of the Anvil Range Group.

The 1999 field program on the Evan claims included grid rehabilitation, geological mapping, and geochemical silt, soil and rock sampling. The property is underlain by folded and foliated, NW trending - NE dipping quartz-mica schist, lime-silicate rocks, phyllite and minor limestone. Geochemical anomalies were spotty, subdued, and related to weakly mineralized host rocks.

Mineralization on the Evan property consists of fine grained magnetite, sphalerite, and galena with lesser pyrrhotite, chalcopyrite, and pyrite occurring as veinlets, pods and lenses within garnet-actinolite-chlorite silicate hornfels. Chip samples contain up to 2.1% Zn, 1.5% Pb, and 11.9 gmt Ag over 3m while grab samples range up to 6.1% Zn, 1.7% Pb and 39.8 gmt Ag. Host rock mineralogy and mineralization are suggestive of skarn development, not sedex affinity as with other mineralization within the Anvil camp. The potential for a laterally extensive sulphide sheet appears to be limited.

1. INTRODUCTION

This report documents work performed in regard to the Target Evaluation - Yukon Mining Incentives Program (YMIP) on the Evan property. The report is also in support of the Application for a Certificate of Work - Form 5 (Sec. 53) filed July 8, 1999 for the Evan 1-4 Claims.

The Evan claims were staked to cover a historic but under-explored Pb-Zn showing within the Anvil Group of the Selwyn Basin. The 1999 project included grid re-establishment, geological mapping, and geochemical sampling.

1.1 Location & Access

The Evan property is located adjacent to Coward Creek 1 km south of the Tay River, and 40 km NW of Faro, Yukon (figure 1). On NTS mapsheet 105L/9, the UTM coordinates for the property centre are 548500E, 6943300N. The property is accessed by helicopter with the nearest base being Trans North Helicopters out of Ross River. Several landing sites exist on the property, some of which were brushed for safety purposes.

1.2 Claims

The Evan property consists of the Evan 1-16 claims totaling 334.5 ha. Claim names, grant numbers, expiry dates and claim owners are shown in the following table.

Table 1: Claim Table

Claim Name	Grant #	Expiry	Claim Owner
Evan 1	YC08963	August 10, 2004*	Peter R. DeLancey
Evan 2	YC08964	August 10, 2004*	Peter R. DeLancey
Evan 3	YC08965	August 10, 2004*	Peter R. DeLancey
Evan 4	YC08966	August 10, 2004*	Peter R. DeLancey
Evan 5	YC17975	July 8, 2000	Robert Wilson
Evan 6	YC17976	July 8, 2000	Robert Wilson
Evan 7	YC17977	July 8, 2000	Robert Wilson
Evan 8	YC17978	July 8, 2000	Robert Wilson
Evan 9	YC17979	July 8, 2000	Robert Wilson
Evan 10	YC17980	July 8, 2000	Robert Wilson
Evan 11	YC17981	July 8, 2000	Robert Wilson
Evan 12	YC17982	July 8, 2000	Robert Wilson
Evan 13	YC17983	July 8, 2000	Robert Wilson
Evan 14	YC17984	July 8, 2000	Robert Wilson
Evan 15	YC17985	July 8, 2000	Robert Wilson
Evan 16	YC17986	July 8, 2000	Robert Wilson

* Pending acceptance of assessment reporting.

1.3 Historical Work

The area surrounding the Evan property was first staked as the Stone claims in December 1965 by Golden Gate Exploration Ltd. and as the Kay claims in January 1966 by A. Van Bibber (Yukon Minfile, 1985). Golden Gate conducted an aeromagnetic survey later in the year. The area was restaked as the Sue claims in July 1982 by Kidd Creek Mines Ltd. who explored the property with grid soil sampling, VLF-EM and magnetometer surveys, geological mapping and hand trenching. Only the geophysical surveys were filed for assessment purposes (Assessment Report #091457 by G. Hendrickson).

The main showing was restaked by P. DeLancey for Atna Resources Ltd. in July 1998 and a limited number of samples collected during a brief property examination.

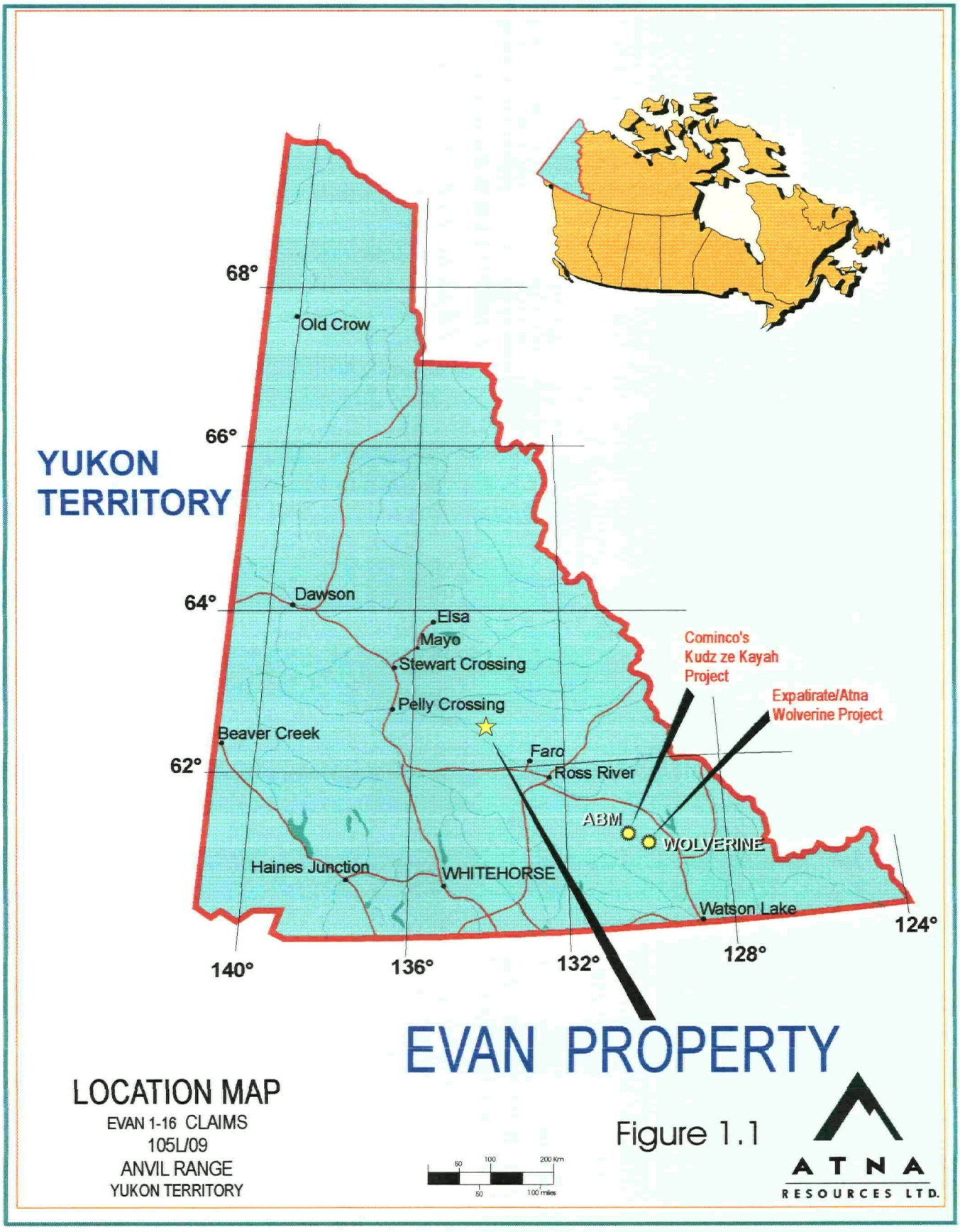
1.4 Work Completed

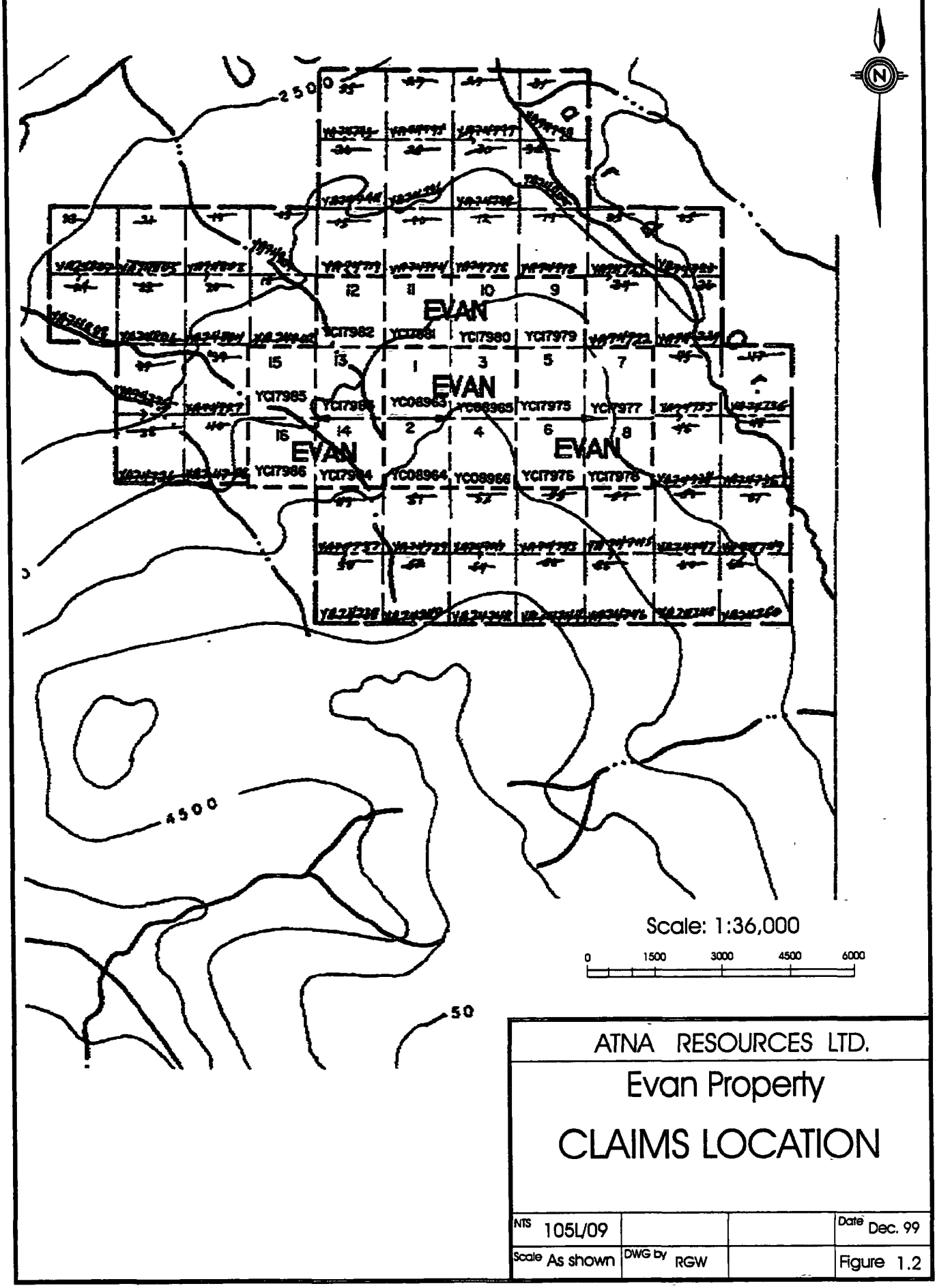
The 1999 Evan Project included claim staking, grid re-establishment, geological mapping, and stream, silt and rock geochemistry. The project commenced on June 29 and was completed on July 8, 1999 for a total of 26 man days worked.

Staking of 12 new claims (Evan 5 - 16) immediately preceded the ground exploration program. A total of 10.9 km of grid was re-established by locating, re-flagging, and re-numbering existing stations. The new stations were re-numbered with northing and easting grid numbers, replacing previous northing/southing - easting/westing grid designations. Geological mapping to augment historical mapping was completed over approximately one-half of the grid (0.45 sq. km.) at a 1:2500 scale. A total of 172 soil, 6 silt and 29 rocks samples were collected and analyzed by 30 element ICP methods.

1.5 Personnel

The field crew consisted of Janice Letwin, Duncan McRae, and Rob G. Wilson P.Geo. of Atna Resources Ltd., Vancouver. Transport to and from the property was by Grant Shannon of Trans North Helicopters out of Ross River, Yukon Territory. Groceries and other field consumable items were obtained from Yukon merchants.


68°
66°
64°
62°
140°
136°
132°
128°
124°
Old Crow
YUKON TERRITORY
Dawson
Elsa
Mayo
Stewart Crossing
Pelly Crossing
Beaver Creek
Faro
Ross River
Cominco's Kudz ze Kayah Project
Expatirate/Atna Wolverine Project
ABM
WOLVERINE
Haines Junction
WHITEHORSE
Watson Lake
EVAN PROPERTY
LOCATION MAP
EVAN 1-16 CLAIMS
105L/09
ANVIL RANGE
YUKON TERRITORY
50 100 200 Km
50 100 miles
Figure 1.1
ATNA
RESOURCES LTD.



ATNA RESOURCES LTD.

Evan Property

CLAIMS LOCATION

NTS 105L/09			Date Dec. 99
Scale As shown	DWG by RGW		Figure 1.2

2. GEOLOGY

2.1 REGIONAL GEOLOGY

The Evan claims are within Cassiar Terrane and are underlain by Carboniferous and Permian Anvil Range Group (Campbell, 1967). Southeast of the Evan claims, Anvil District rocks host the Faro, Grum, Vangorda, Grizzly and Swim sedex deposits (Piggage, 1999). Anvil Range Group rocks overlie the Anvil District and are considered to be an obducted slice of oceanic terrane emplaced on North American Stratigraphy (Gordey, 1990).

The Anvil Range Group consists of an upper unit of intermediate to basic volcanic flows, tuff and breccia; and a lower member of diorite, slate, and phyllite; plus minor limestone, chert and shale, (Campbell, 1967) and (Tempelman-Kluit, 1972). Local exposures of metamorphic rocks include quartz-mica schist and lime-silicate rocks. The Anvil Range Group has been intruded by Jurassic and/or Cretaceous igneous rocks (not mapped on Evan Claims) that are described as biotite granodiorite and quartz monzonite, plus minor biotite-hornblende quartz diorite and leuco-quartz monzonite.

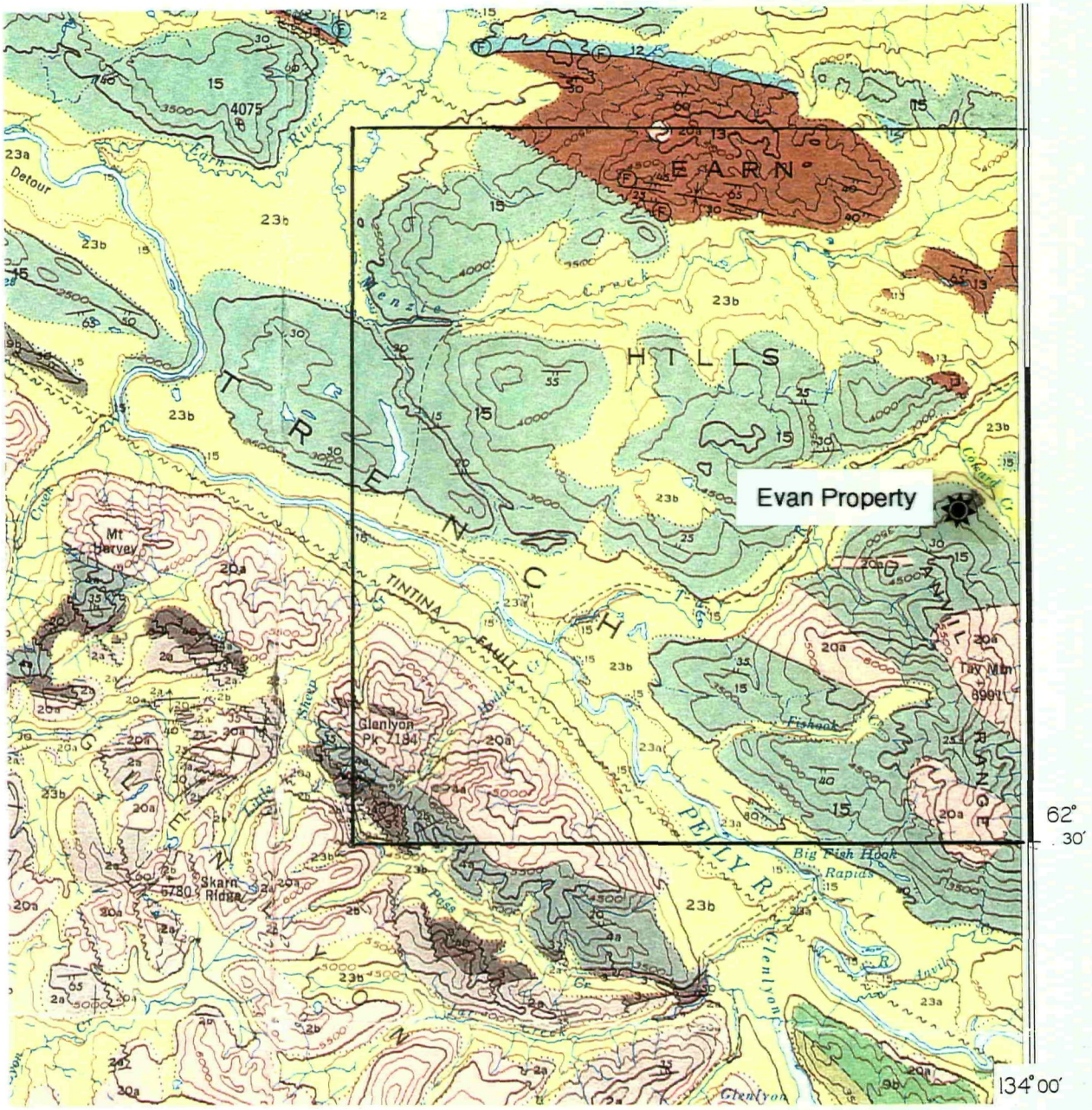
The Evan claims appear to lie within the lower member of the Anvil Range Group with exposures of quartz-mica schist, lime-silicate rocks, phyllite and minor limestone, figure 2.1.

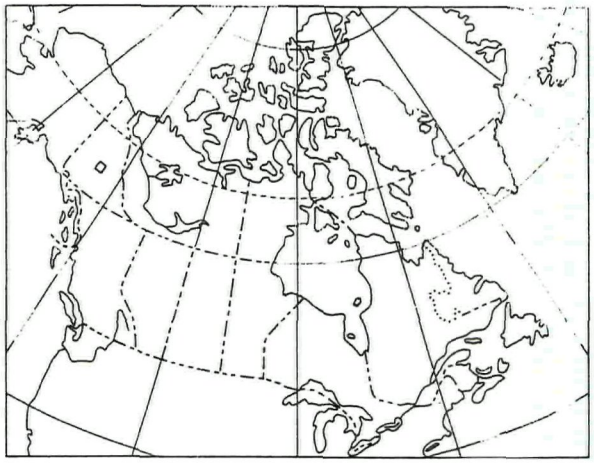
2.2 PROPERTY GEOLOGY

In 1982, MPH Consulting Ltd. completed property exploration for Kidd Creek Mines Ltd. (now Falconbridge Ltd.) over area now covered by the Evan Claims. Atna Resources Ltd. obtained the geological data generated by that program from Falconbridge and incorporated the data into the exploration plan. Atna's geological mapping program was designed to confirm MPH's work and attempted to refine the map in areas of mineralization (figure 2.2). Four man days were spent re-mapping a portion of the geological grid.

The geological data collected by MPH was along a N-S oriented compass and flag grid (no longer visible). Outcrops and map unit contact lines generated by that survey were transferred by Atna to a topographic base map. Rough topographic lines on the MPH map corresponded well with the topographic base map and provided the control for the data transfer. Subsequent to MPH's mapping, Kidd Creek established a geophysical grid with cut lines oriented at 026°. Parts of that geophysical grid were re-established by Atna field crews and served as control for the current surveys. Two MPH hand trenches shown on both grid maps allowed for the relative positioning of the two data sets.

Outcrop on the Evan claims is somewhat patchy and exposure ranges between 3-5%. Areas of outcrop examined during the 1999 program could be correlated with the MPH data set although individual outcrop shapes differed. In general there was agreement in rock units between the two surveys, descriptions of which are provided below.





INDEX MAP

After R.B. Campbell, 1967

Scale 1:253,440

1 inch to 4 miles

Miles 4 0 4

Kilometres 6 0 6

ATNA RESOURCES LTD.

Evan Property

Regional Geology

NTS 105L/09			Date Dec.99
Scale 1:253,440	DWG by RGW		Figure 2.1

LEGEND

PLEISTOCENE AND RECENT

23 — **23a**, *stream deposits; gravel, sand, silt;* **23b**, *glacial gravel, sand, silt, clay, till, volcanic ash, bog deposits and soil; few if any bedrock exposures*

JURASSIC AND/OR CRETACEOUS AND (?) EARLIER

20 — **20a**, *biotite granodiorite and quartz monzonite; minor biotite-hornblende quartz diorite and leuco-quartz monzonite;* **20b**, *biotite-hornblende granodiorite, quartz monzonite, quartz diorite;* **20c**, *augite-hornblende monzonite and syenite; minor mafic rocks;* **20d**, *hornblende diorite;* **20e**, *gneissic granitic rocks*

MISSISSIPPIAN OR LATER

ANVIL RANGE GROUP

15 — *Andesitic and basaltic flows, breccia, tuff; diorite, slate, phyllite; minor limestone, chert, carbonaceous shale; local quartz-mica schist and lime-silicate rocks*

14 — *Serpentinite*

EARN GROUP (10 - 13)

13 — *Thin-bedded chert, argillite, quartzite, minor limestone*

MISSISSIPPIAN

LOWER MISSISSIPPIAN

12 — *KALZAS FORMATION: limestone, minor argillite, limy argillite, chert*

CAMBRIAN (?) AND/OR ORDOVICIAN (?)

MIDDLE CAMBRIAN (?) AND LATER (?)

HARVEY GROUP (2-4)

4 — **4a**, *slate, phyllite, spotted slate, hornfels;* **4b**, *thin-bedded argillite, slaty limestone, minor hornfels*

CAMBRIAN (?)

LOWER CAMBRIAN (?)

3 — *Mainly limestone; phyllite, lime-silicate gneiss, skarn, quartz-biotite schist, slate, hornfels*

LOWER CAMBRIAN (?) OR EARLIER (?)

2 — **2a**, *quartzite and quartz-mica schist, locally garnetiferous; minor amphibolite, lime-silicate rocks, marble (includes small bodies of granitic rocks);* **2b**, *marble, lime-silicate rocks, amphibolite, skarn*

After R.B. Campbell, 1967

ATNA RESOURCES LTD.

Evan Property

Regional Geology Legend

NTS 105L/09			Date Dec.99
Scale	DWG by RGW		Figure 2.1a

2.2.1 Lithology

Unit B: Sericite-chlorite-andalusite ± biotite phyllite. The unit is non-calcareous, contains quartz "sweats", and may be very papery. Rocks may be greenish grey to dark brown-black, and often contain rusty foliation partings although no sulphides were seen.

Unit D: Laminated calcareous phyllite, dark argillic phyllite (± py, po) and lesser silty limestone and limy argillite. Rock is fine grained, with thin, flaggy bedding to 1-2mm thick. Minor quartz sweats are present and the rock may be slightly hornfelsed. Calcite occurs along foliation planes.

Unit E: Thinly laminated to gneissic texture calc-silicate. Hornfels and skarn including quartzitic and argillic varieties. Variable amphibole, garnet, biotite and graphite components. Rock is frequently rusty with sulphides commonly seen. Host rock to mineralization in trenches 1 and 2.

Unit F: Green chloritic phyllite. Contains quartz blebs and minor rusty spots.

Unit G: Graphitic phyllite and schist plus graphitic quartzite. Dark green to black, rusty, and variably calcareous.

2.2.2 Structure

The rocks are moderately to well foliated, with foliation striking NW-SE to WNW-ESE and dipping gently to moderately NE, sub-parallel to the hillslope. The units have been folded as evidenced by outcrop scale recumbent tight folds with limb-limb angles of 20° to 45°. Foliation dips become progressively steeper toward the NE suggesting that the folded stratigraphy has been warped, or refolded.

The relative stratigraphic positioning of the units was not determined during the survey due to the degree of folding and the dip slope causing frequent repeats of the units.

2.2.3 Mineralization

No new showings were discovered during the current program. Historical showings containing lead-zinc mineralization within two hand trenches were re-examined and sampled. The trenches, designated Tr-1 and Tr-2, are still open and lie 190 metres apart near the centre of the grid (Plate 1). Tr-1 (Plate 2) is located at 506+10E / 499+80N and consists of an upper shallow trough 4m in length and a lower 3-4m high rock face that had been blasted to expose fresh surfaces. Tr-2 (Plate 3) is at 504+40E / 500+55N and is a 6m long, 1-1.5m high rock face where minor excavation has better exposed the rocks.

Mineralization in trench Tr-1 is hosted within a garnet-actinolite-chlorite silicate hornfels and consists of fine grained magnetite, sphalerite, and galena with lesser pyrrhotite, chalcopyrite, and pyrite. The trench is divided into an upper and lower half by the relative slope of the rock face and was sampled by two representative chip samples (Plate 2).

The upper part of Tr-1 has a gently sloping rock face of fine grained, dark brown hornfels containing garnet and quartz. Sphalerite and galena within the gossanous host are seen as

occasional blebs. A representative chip sample (73352) over 2.5m true thickness contained 990 ppm Zn, 546 ppm Pb, and 3.1 ppm Ag.

The lower part of Tr-1 is a steeply sloping rock face and has two zones of mineralization separated by approximately one metre of unmineralized phyllitic rock. The top zone is one metre wide and contains magnetite-sphalerite-galena mineralization occurring as lenses, patches and laminae to 15 cm thick and dipping sub-parallel to the slope. The bottom zone is also one metre wide and is a garnet-quartz calc-silicate containing thin "veinlets" of sphalerite and galena. This lower part of the trench was chip sampled across 3m true width (73353), ICP results of which are 21032 ppm (~2.1%) Zn, 15401 ppm (~1.5%) Pb and 11.9 ppm (~11.9 gmt) Ag. A 'high grade' grab sample (73354) taken from the trench muck pile contains 61032 ppm (~6.1%) Zn, 17210 ppm (~1.7%) Pb, and 8.7 ppm (~8.7gmt) Ag.

Mineralization in TR-1 could not be traced along strike into surrounding outcrop even a few metres distant. The mineralization daylights up-dip and down-dip due to the undulating sub-parallel topographic dip slope. No outcrop exists where the up or down dip trace of the mineralization re-enters the hillslope.

Mineralization in trench Tr-2 is hosted by a chaotic array of quartz-biotite schist to quartz-biotite gneiss, with darker zones of fine grained biotite rich hornfels. Foliation within this trench strikes NE and dips NW and differs from that within surrounding host rock, which strikes SE and dips NE. Disruption from an interpreted fault contact 25m east of the trench may account for the unusual foliation direction.

Five representative chip samples approximately one metre wide each were taken across the trench face and correspond to different host rocks and mineralization (see Plate 3). Sample 73355 is a quartz-biotite gneiss with quartz layers and darker hornfels layers. Sphalerite - pyrrhotite mineralization occurs as small lenses within the sample area. Results for this sample are 12556 ppm (~1.25%) Zn, 9267 ppm (~0.93%) Pb, and 39.8 ppm (~39.8 gmt) Ag. Sample 73356 is adjacent to the east of 73355, hosted by a similar rock type, and contained 6388 ppm Zn, 1289 ppm Pb, and 3.6 ppm Ag. Sample 73357 was collected to the west of 73355 and is of a finely laminated biotite quartzite (gneissic texture) with anhedral garnet and 1-5% pyrite and pyrrhotite. Although traces of sphalerite were observed, the sample did not return significant results. Samples 73358 and 73359 were taken east of 73356 and do not contain appreciable metal values.

Two breccia zones occur within this trench in the areas of samples 73355 and 73357. The breccia zones are narrow, comprised of the local host, and have pyrite and pyrrhotite as the breccia matrix. The zones are parallel to lamination/foliation and may be a brecciated bed of the host.

Host rock mineralogy and mineralization within trenches Tr-1 & 2 are suggestive of skarn development, not sedex as other mineralization within the Anvil camp. The mineralization was only locally observed as small pods and lenses. A SE-NW topographic depression between the two trenches may be a fault or fracture trace along which mineralized fluids migrated into locally prepared host rocks. The potential for a laterally extensive sulphide sheet appears to be limited.

3. GEOCHEMISTRY

A total of 172 soil samples, 6 silt samples and 29 rock samples were collected on the Evan claims and shipped to Acme Laboratories in Vancouver, B.C. for geochemical ICP analysis. Refer to Figure 3.1 for sample locations. Geochemical Analysis Certificates for all sampling, including analysis techniques, are contained within Appendix I.

3.1 SOIL GEOCHEMISTRY

In 1982, MPH Consulting, on behalf of Kidd Creek Mines Ltd. (now Falconbridge Ltd.), completed soil sampling on the Evan property area. The MPH report obtained from Falconbridge was an incomplete draft (Brereton, 1982), and although it did contain a geochemical section, no geochemical maps were found to accompany the report. Brereton states that three soil geochemical anomalies were recognized in the 1982 sampling program and a decision was thus made to re-sample the area during the current project.

Soil samples were collected from 'B' horizon soils (30 cm - 1m depths), using a shovel or mattock, at 50m intervals along re-established cut-grid lines spaced 100m apart. Grid rehabilitation did not require linecutting and historical grid stations closely matched new sample stations. A thick layer of grayish-white ash often covered the developed soil and necessitated digging holes to 1m depths. The area sampled is a moderately sloping (10-20°) north facing hillslope and permafrost hampered soil collection at approximately 40% of the sample sites. Samples were placed in kraft paper bags and partially air dried prior to shipment to Acme Laboratories in Vancouver. The samples were analyzed by ICP for 30 elements and results for Zn, Pb and Ag are shown on Figures 3.2 to 3.4.

Sample results for Zn, Pb and Ag are generally subdued. Elevated Zn-Pb values to 433 ppm Zn and 127 ppm Pb occur downslope from trenches Tr-1 & 2. The weak anomaly is 100 x 400m in area and is centered on 501+00N from L504+00E to L508+00E. The zone appears to correspond with downslope movement from the mineralized unit "E". Elevated background within this unit could account for the weak anomaly. A second anomaly centered on 499+00N from L505+00E to L507+00E contains Zn values to 499 ppm, Pb values to 84 ppm and only background values of Ag. The anomaly is probably due to the folded repeat of Unit "E". A third anomaly from 503+50N to 505+00N between L502+00 E and L501+00E is open to the west but contains only weakly anomalous Zn and high background Pb and Ag. A spot high on L501+00E at 501+00N on the grid's western edge contains 322 ppm Zn, 472 ppm Pb, and 6.1 ppm Ag and may represent a new mineralized zone. Additional sampling to the west would be required to investigate this anomaly further.

Soil sampling was only moderately successful in delineating areas of mineralization. No areas appear to be worthy of follow-up, however, the presence of grey ash and permafrost substantially hampered the survey's effectiveness.

548000 mE
548500 mE
549000 mE
549500 mE
6943500 mN
6943000 mN
6942500 mN
502+00E
503+00E
504+00E
505+00E
506+00E
507+00E
508+00E
509+00E
510+00E
505+00N
504+00N
503+00N
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501+00N
500+00N
499+00N
498+00N
497+00N
496+00N
3500
4000
73,370
73,361
73,360
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73,362
73,363
73,366
73,354
73,403
73,353
73,406
73,407
73,369
73,364
73,365
73,367
73,402
73,368
73,401
73,404
73,352
73,405
73,351

No active Legend.

Legend

▲ 73,407 Sample Location & Sample #

Gridline with station marker.

See geological plan for geology legend & sample results.

Contour Interval = 100 feet

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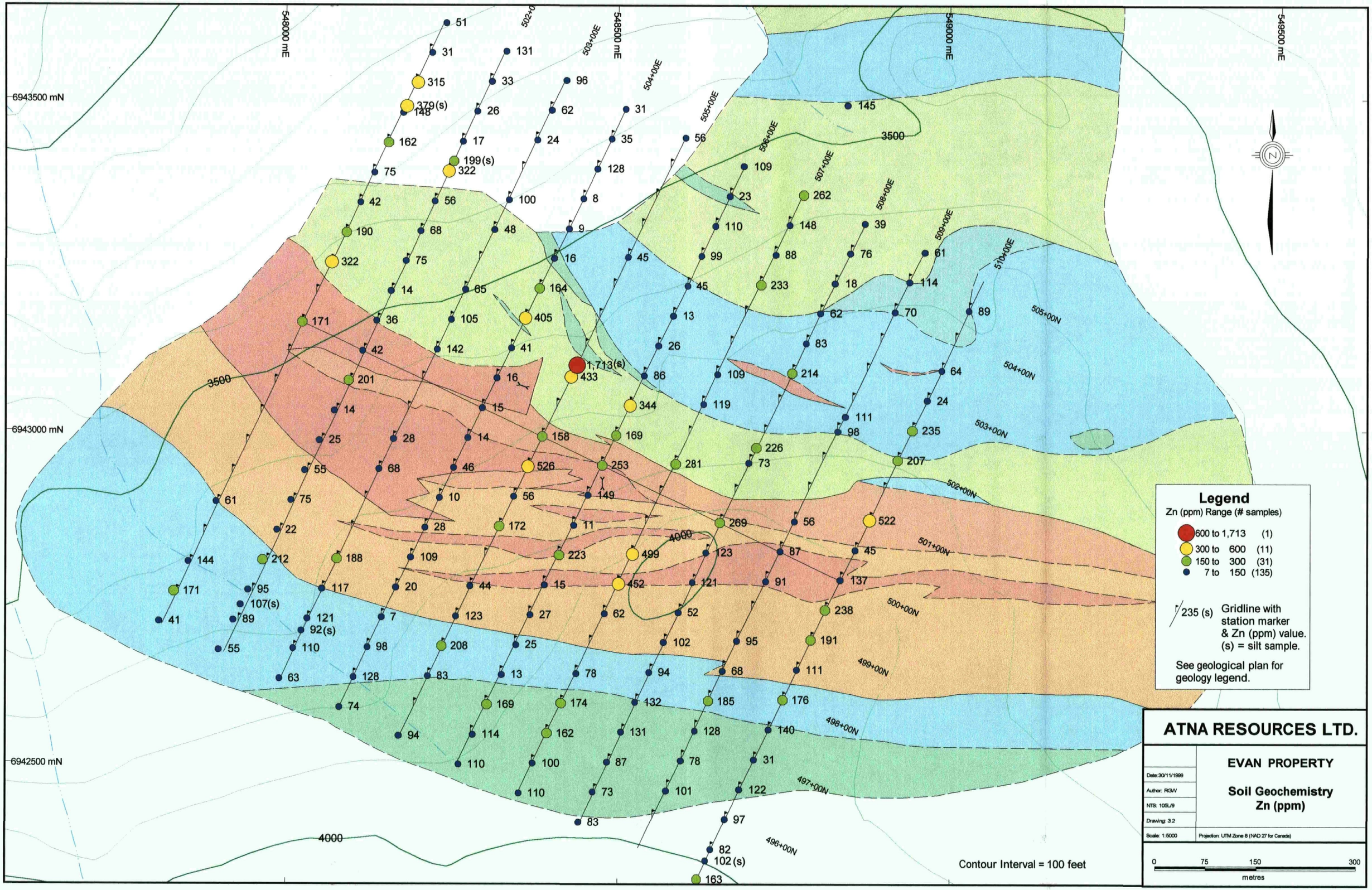
EVAN PROPERTY

Lithogeochemistry Sample Locations

Date: 30/11/1999
Author: RGW
NTS: 105L/9
Drawing: 3.1
Scale: 1:5000
Projection: UTM Zone 8 (NAD 27 for Canada)

0 75 150 300
metres


548000 mE
548500 mE
549000 mE
549500 mE
6943500 mN
6943000 mN
6942500 mN
502+00E
503+00E
504+00E
505+00E
506+00E
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504+00N
503+00N
502+00N
501+00N
500+00N
499+00N
498+00N
497+00N
496+00N
3500
4000
N
Legend
Zn (ppm) Range (# samples)
600 to 1,713 (1)
300 to 600 (11)
150 to 300 (31)
7 to 150 (135)
235 (s) Gridline with station marker & Zn (ppm) value. (s) = silt sample.
See geological plan for geology legend.
ATNA RESOURCES LTD.
EVAN PROPERTY
Soil Geochemistry
Zn (ppm)
Date: 30/11/1999
Author: RGW
NTS: 105I/9
Drawing: 3.2
Scale: 1:5000
Projection: UTM Zone 8 (NAD 27 for Canada)
0 75 150 300
metres
Contour Interval = 100 feet

548000 mE
548500 mE
549000 mE
549500 mE
6943500 mN
6943000 mN
6942500 mN
3500
4000
502+00E
503+00E
504+00E
505+00E
506+00E
507+00E
508+00E
509+00E
510+00E
505+00N
504+00N
503+00N
502+00N
501+00N
500+00N
499+00N
498+00N
497+00N
496+00N

Legend

Pb (ppm) Range (# samples)

- 320 to 1,538 (2)
- 160 to 320 (3)
- 80 to 160 (6)
- 40 to 80 (15)
- 2 to 40 (152)

0.5 (s) Gridline with station marker & Pb (ppm) value. (s) = silt sample.

See geological plan for geology legend.

Contour Interval = 100 feet

ATNA RESOURCES LTD.

EVAN PROPERTY

Soil Geochemistry Pb (ppm)

Date: 30/11/1999	
Author: RGV	
NTS: 105J/9	
Drawing: 3.3	
Scale: 1:5000	Projection: UTM Zone 8 (NAD 27 for Canada)

0 75 150 300
metres

548000 mE

548500 mE

549000 mE

549500 mE

6943500 mN

6943000 mN

6942500 mN

502+00E

503+00E

504+00E

505+00E

506+00E

507+00E

508+00E

509+00E

510+00E

505+00N

504+00N

503+00N

502+00N

501+00N

500+00N

499+00N

498+00N

497+00N

496+00N

3500

4000

Contour Interval = 100 feet

LEGEND

Ag (ppm) Range (# samples)

- 2 to 6.1 (3)
- 1 to 2 (3)
- 0.5 to 1 (35)
- 0 to 0.5 (137)

0.5 (s) Gridline with station marker & Ag (ppm) value. (s) = silt sample.

See geological plan for geology legend.

ATNA RESOURCES LTD.

EVAN PROPERTY

Soil Geochemistry
Ag (ppm)

Date: 30/11/1999
Author: RGW
NTS: 105L/9
Drawing: 3 4
Scale: 1:5000
Projection: UTM Zone 8 (NAD 27 for Canada)

0 75 150 300
metres

3.2 SILT GEOCHEMISTRY

Six silt samples were collected from small creeks crossing the gridded area and were given grid coordinates as sample numbers. Sample sites are designated by "(s)" on the geochemical maps (figures 3.2 - 3.4). Fine silt was collected from pools in the creeks and placed in kraft paper bags for air drying prior to shipment along with the soil samples. Silt samples were also analyzed by ICP 30 element techniques.

Streams draining the trench areas contain elevated to anomalous values in zinc, and back ground values for other elements. Silt collected from streams in the L502+00E-L501+00E soil anomaly area show elevated values for Zn. Streams not draining the trench areas or soil anomalies returned only background values for all elements.

Silt geochemistry using Zn as a pathfinder appears to be an effective exploration tool on this property. Any future regional surveys on the property should include silt sample collection from all creeks and intermittent streams.

3.3 ROCK GEOCHEMISTRY

Rock samples collected within trenches TR-1 and Tr-2 were described previously in section **2.2.3 Mineralization**. Additional rock samples were collected from outcrops within the mapped area (figure 3.1). Rocks collected were representative chips of the outcrops, and not grab samples. Outside the trenches, only a few samples contained mildly anomalous Zn values to 2437 ppm and Pb values to 1145 ppm (figure 2.2).

Lithogeochemical sampling did not delineate new areas of mineralization. Though the sampling was not exhaustive, it was sufficient to determine that the favourable Unit E contains limited Zn, Pb, Ag mineralization.

4. RECLAMATION

Work items on the Evan 1999 project that had the potential of causing ground disturbance included establishing a temporary fly camp, re-establishing a cut grid, and digging soil sample holes. The flycamp consisted of two lightweight 'backpack' style tents and a tarped kitchen area. All traces of the camp were removed at the completion of the program. Appendix II contains before-after photographs of the camp area (Plates 3 & 4). Grid re-establishment consisted of hanging new flagging at pre-existing stations. No new linecutting was required or completed. Soil sampling involved the digging of shallow pits averaging 30 cm deep, with a limited number of pits up to 1m deep. Soil sample holes greater than 30 cm depth were refilled and all holes had removed vegetation replaced over the hole. No other outstanding reclamation issues remain on the Evan property as a result of the 1999 program.

5. CONCLUSIONS AND RECOMMENDATIONS

The following conclusions can be made as a result of the exploration conducted on the Evan property:

- The Evan property's host rock and mineralization assemblage is suggestive of skarn development and not sedex mineralization.
- The soil survey delineated three areas containing high background to weakly anomalous Zn, Pb and Ag mineralization that appears to be related to known showings within Unit "E".
- Silt sampling using Zn as a pathfinder element is an effective tool for regionally outlining areas of mineralization.
- Rock sampling did not produce any new showings and samples from outcrops surrounding existing showings did not contain significant mineralization.

The 1999 Evan property exploration program did not advance the property beyond the prospect exploration stage. Mineralization within the gridded area appears to be skarn related and limited in extent; individual samples, however, can have significant values in Pb, Zn and Ag. Further exploration on this property would be for a skarn target and should include a property wide, high density silting program with prospecting/geological mapping follow-up.

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APPENDIX I

CERTIFICATES OF ANALYSIS

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. PROJECT EVAN File # 9902377 Page 1

1550 - 409 Granville St., Vancouver BC V6C 1T2

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
L501+00E 505+00N	3	17	9	51	<.3	12	3	98	1.82	14	<8	<2	<2	21	<.2	<3	<3	45	.23	.059	11	16	.27	152	.03	<3	.88	.02	.07	<2
L501+00E 504+50N	1	16	7	31	<.3	10	3	46	.94	13	<8	<2	<2	19	.6	<3	<3	15	.24	.053	7	8	.10	119	.01	<3	.46	.02	.05	<2
L501+00E 504+00N	4	46	22	315	.8	34	92	1402	2.03	15	<8	<2	2	20	1.2	3	<3	41	.22	.083	21	20	.33	129	.04	<3	1.14	.02	.07	<2
L501+00E 503+50N	2	26	16	148	.5	17	9	101	1.47	6	<8	<2	<2	17	.9	<3	<3	20	.22	.052	15	13	.18	81	.02	<3	.72	.02	.05	<2
L501+00E 503+00N	3	28	18	162	.3	26	9	263	2.50	29	<8	<2	3	18	<.2	4	<3	59	.22	.086	19	22	.41	171	.05	3	1.01	.01	.12	<2
RE L501+00E 503+00N	3	26	15	157	<.3	23	8	254	2.43	24	<8	<2	3	17	<.2	<3	<3	56	.22	.082	18	20	.40	166	.05	<3	.98	.01	.12	<2
L501+00E 502+50N	1	36	6	75	<.3	27	10	91	1.32	8	<8	<2	<2	13	<.2	<3	<3	21	.14	.042	14	11	.19	108	.03	<3	.69	.03	.05	<2
L501+00E 502+00N	<1	19	18	42	.3	9	3	41	.82	4	<8	<2	<2	8	.5	<3	<3	17	.08	.030	9	7	.07	47	.02	<3	.40	.02	.03	<2
L501+00E 501+50N	1	261	72	190	.5	13	5	88	1.76	11	<8	<2	<2	9	1.1	3	<3	25	.10	.044	23	17	.23	62	.02	<3	1.31	.02	.04	<2
L501+00E 501+00N	1	105	472	322	6.1	11	6	69	1.17	8	<8	<2	<2	11	1.3	<3	<3	14	.20	.086	14	7	.04	63	.02	<3	.92	.02	.03	<2
L501+00E 500+00N	1	38	26	171	.3	22	9	113	2.02	18	<8	<2	<2	14	1.1	<3	<3	22	.29	.057	18	13	.22	100	.02	<3	1.04	.03	.05	<2
L501+00E 497+00N	<1	29	11	61	.5	22	11	763	2.97	7	<8	<2	4	279	.7	9	<3	36	12.95	.028	4	28	2.09	129	.10	<3	3.72	.12	.56	<2
L501+00E 496+00N	2	43	26	144	.3	33	16	288	3.13	37	<8	<2	6	21	<.2	4	<3	50	.24	.074	20	25	.56	223	.04	<3	1.63	.02	.11	<2
L501+00E 495+50N	4	63	36	171	.5	24	33	1338	3.47	62	<8	<2	<2	30	<.2	<3	<3	44	.64	.090	18	21	.44	197	.02	4	1.30	.02	.07	<2
L501+00E 495+00N	1	22	7	41	<.3	7	5	170	1.38	19	<8	<2	<2	11	<.2	<3	<3	24	.08	.025	8	7	.13	63	.03	<3	.52	.03	.04	<2
L502+00E 505+00N	2	28	15	131	.3	36	18	257	2.27	20	<8	<2	3	26	.3	<3	<3	55	.31	.086	17	24	.46	244	.03	<3	1.44	.02	.10	<2
L502+00E 504+50N	1	26	4	33	.3	12	23	1187	1.51	9	<8	<2	<2	21	<.2	<3	<3	36	.36	.056	6	8	.10	125	.03	<3	.49	.03	.04	<2
L502+00E 504+00N	2	20	4	26	.4	8	7	183	.81	6	<8	<2	<2	19	.3	<3	<3	13	.22	.042	5	6	.08	98	.01	<3	.40	.03	.04	<2
L502+00E 503+50N	<1	16	<3	17	<.3	5	3	28	.78	<2	<8	<2	<2	17	.3	<3	<3	19	.19	.029	6	3	.03	35	.03	<3	.21	.03	.02	<2
L502+00E 503+00N	2	36	25	322	.5	31	17	192	1.76	14	<8	<2	<2	20	1.4	<3	<3	28	.22	.071	19	17	.28	101	.03	<3	1.00	.02	.06	<2
L502+00E 502+50N	1	22	10	56	<.3	10	3	66	1.17	6	<8	<2	<2	10	.2	<3	<3	21	.12	.031	11	10	.15	54	.03	<3	.55	.02	.03	<2
L502+00E 502+00N	1	30	9	68	<.3	8	4	51	1.23	6	<8	<2	<2	8	.3	<3	<3	17	.12	.039	16	7	.08	68	.02	<3	.53	.02	.03	<2
L502+00E 501+50N	<1	23	16	75	.3	11	4	60	1.22	5	<8	<2	<2	9	.5	<3	<3	21	.11	.035	12	9	.13	63	.02	<3	.55	.02	.04	<2
L502+00E 501+00N	<1	6	9	14	<.3	2	2	24	.54	4	<8	<2	<2	11	<.2	<3	<3	13	.05	.011	2	2	.02	24	.02	<3	.24	.05	.03	<2
L502+00E 500+50N	<1	38	36	36	.8	5	2	26	.84	2	<8	<2	<2	8	<.2	<3	<3	14	.05	.027	4	2	.03	17	.02	<3	.39	.03	.03	<2
L502+00E 500+00N	<1	7	6	42	<.3	8	3	37	.66	5	<8	<2	<2	8	.4	<3	<3	13	.09	.022	6	5	.09	64	.01	<3	.36	.02	.03	<2
L502+00E 499+50N	2	42	54	201	.7	18	4	133	5.81	57	<8	<2	6	9	<.2	6	<3	65	.04	.048	16	28	.35	85	.04	<3	1.61	.01	.07	<2
L502+00E 499+00N	<1	6	<3	14	<.3	4	1	36	.92	15	<8	<2	<2	10	<.2	<3	<3	21	.10	.008	3	5	.07	55	.03	<3	.44	.04	.03	<2
L502+00E 498+50N	<1	9	5	25	<.3	7	2	51	1.04	6	<8	<2	<2	21	<.2	<3	<3	26	.42	.041	4	6	.08	61	.03	<3	.33	.02	.03	<2
L502+00E 498+00N	<1	20	15	55	<.3	16	7	180	1.62	23	<8	<2	2	44	.3	<3	<3	33	1.25	.065	11	18	.36	156	.04	<3	.96	.03	.05	<2
L502+00E 497+50N	<1	24	18	75	<.3	27	11	299	2.55	37	<8	<2	4	94	<.2	<3	<3	51	1.01	.048	13	30	.92	167	.09	3	2.40	.09	.10	<2
L502+00E 497+00N	<1	11	<3	22	<.3	5	4	457	1.18	8	<8	<2	<2	45	.2	<3	<3	37	1.07	.084	4	4	.08	103	.06	3	.31	.04	.02	<2
L502+00E 496+50N	2	49	33	212	.3	45	23	359	3.69	61	<8	<2	7	36	.3	3	<3	49	.37	.075	21	28	.71	186	.06	<3	2.00	.03	.12	<2
L502+00E 496+00N	1	30	13	95	.3	24	10	403	2.26	19	<8	<2	2	42	.6	<3	<3	27	1.21	.075	15	18	.42	156	.02	<3	1.22	.03	.09	<2
L502+00E 495+50N	1	20	14	89	<.3	22	13	426	2.42	29	<8	<2	3	31	<.2	<3	<3	40	.60	.079	18	25	.57	222	.04	<3	1.32	.02	.07	<2
STANDARD C3	26	66	39	165	6.0	37	12	781	3.45	54	21	5	19	28	23.5	18	22	82	.56	.088	19	170	.62	151	.10	19	1.77	.04	.16	14
STANDARD G-2	2	3	3	41	<.3	8	4	543	2.10	2	<8	<2	5	73	<.2	<3	<3	41	.67	.093	8	77	.62	223	.15	<3	.91	.09	.46	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 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 MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 21 1999 **DATE REPORT MAILED:** July 28/99 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

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
L502+00E 495+00N	3	74	24	55	.6	20	18	679	2.94	65	<8	<2	<2	64	1.1	<3	3	24	1.19	.152	18	9	.14	266	<.01	5	.66	.02	.05	<2
L503+00E 505+00N	1	10	8	96	.3	8	5	98	.52	<2	<8	<2	<2	24	.6	<3	<3	4	.37	.088	3	3	.04	123	<.01	3	.17	.01	.05	<2
L503+00E 504+50N	3	37	9	62	.5	26	4	39	1.47	4	<8	<2	<2	37	.8	<3	<3	8	.80	.140	11	4	.08	173	<.01	4	.49	.01	.03	<2
L503+00E 504+00N	1	9	<3	24	<.3	5	2	8	.50	<2	<8	<2	<2	18	<.2	<3	<3	3	.23	.047	4	2	.02	43	.01	3	.24	.03	.02	<2
RE L503+00E 504+00N	1	9	<3	25	<.3	5	2	13	.53	<2	<8	<2	<2	18	<.2	<3	<3	4	.25	.049	4	2	.02	44	.01	<3	.25	.03	.02	<2
L503+00E 503+00N	6	82	17	100	.5	26	7	131	2.55	9	<8	<2	6	29	.4	<3	<3	45	.28	.081	23	24	.41	133	.04	4	1.28	.01	.08	<2
L503+00E 502+50N	5	17	10	48	.4	8	2	79	2.01	17	<8	<2	2	10	<.2	<3	<3	51	.08	.015	12	15	.17	59	.05	<3	.79	.01	.04	<2
L503+00E 501+50N	<1	24	10	65	.3	13	6	80	1.89	4	<8	<2	<2	8	.2	<3	<3	42	.10	.026	9	7	.11	32	.06	3	.45	.02	.03	<2
L503+00E 501+00N	1	46	53	105	.5	12	6	95	2.51	12	<8	<2	<2	15	.4	<3	<3	22	.24	.057	13	12	.23	60	.03	3	.72	.02	.07	<2
L503+00E 500+50N	1	65	210	142	.4	8	4	66	1.92	11	<8	<2	<2	7	.5	<3	<3	19	.08	.038	12	9	.11	46	.02	<3	.62	.02	.03	<2
L503+00E 499+00N	<1	53	30	28	.3	6	4	47	1.51	5	<8	<2	<2	12	<.2	<3	<3	18	.17	.055	7	6	.10	48	.02	<3	.42	.02	.03	<2
L503+00E 498+50N	2	16	26	68	1.0	14	6	174	3.92	54	<8	<2	3	12	<.2	3	8	68	.11	.025	11	27	.33	80	.07	<3	1.38	.01	.06	<2
L503+00E 497+00N	3	40	29	188	.3	37	15	328	3.80	51	<8	<2	4	28	.2	<3	<3	72	.38	.055	12	35	.74	254	.05	5	2.68	.02	.10	2
L503+00E 496+50N	1	42	12	117	<.3	25	13	376	3.24	29	<8	<2	3	42	.8	<3	<3	36	.98	.072	19	23	.53	168	.03	<3	1.57	.02	.10	<2
L503+00E 496+00N	1	45	17	121	.5	32	15	353	3.81	34	<8	<2	6	37	.4	<3	<3	35	.85	.071	25	25	.60	185	.03	<3	1.86	.02	.14	<2
L503+00E 495+50N	1	46	19	110	.4	28	14	544	3.16	33	<8	<2	4	37	.9	3	<3	34	.78	.067	22	22	.53	185	.03	<3	1.53	.02	.10	2
L503+00E 495+00N	1	15	11	63	<.3	14	6	141	1.90	21	<8	<2	2	25	<.2	<3	<3	27	.47	.054	14	20	.46	157	.03	<3	1.14	.02	.06	<2
L504+00E 505+00N	1	15	10	31	.5	8	3	98	1.06	5	<8	<2	<2	15	.2	<3	<3	18	.19	.038	5	8	.13	87	.02	<3	.50	.02	.05	<2
L504+00E 504+50N	1	9	14	35	<.3	8	5	183	1.55	9	<8	<2	<2	13	<.2	<3	<3	33	.16	.046	6	9	.16	71	.04	<3	.58	.03	.05	<2
L504+00E 504+00N	4	35	27	128	.4	26	11	265	2.96	14	<8	<2	5	26	.2	<3	<3	59	.28	.075	18	29	.56	195	.05	<3	1.59	.01	.14	<2
L504+00E 503+50N	<1	4	<3	8	<.3	3	1	34	.69	<2	<8	<2	<2	8	.2	<3	<3	18	.04	.013	1	2	.03	19	.03	<3	.17	.03	.02	<2
L504+00E 503+00N	<1	7	<3	9	<.3	4	2	37	.94	<2	<8	<2	<2	10	.2	<3	<3	27	.05	.013	1	3	.02	26	.04	<3	.16	.03	.02	<2
L504+00E 502+50N	2	9	5	16	<.3	5	2	45	.99	6	<8	<2	2	10	<.2	<3	<3	29	.08	.009	9	7	.08	59	.04	<3	.45	.02	.04	<2
L504+00E 502+00N	1	26	7	164	.3	12	6	114	.86	3	<8	<2	<2	22	1.7	<3	<3	14	.38	.052	9	8	.15	94	.02	<3	.50	.03	.04	<2
L504+00E 501+50N	1	23	22	405	.3	14	16	309	1.54	15	<8	<2	<2	14	1.9	<3	3	27	.18	.056	11	14	.25	83	.03	<3	.85	.02	.05	<2
L504+00E 501+00N	<1	24	63	41	.3	4	3	56	1.35	4	<8	<2	<2	6	.4	<3	<3	34	.05	.013	3	4	.04	12	.05	<3	.28	.02	.02	<2
L504+00E 500+50N	<1	27	3	16	.5	3	1	19	.82	3	<8	<2	<2	9	.2	<3	<3	11	.07	.012	6	2	.02	11	.02	<3	.15	.04	.02	<2
L504+00E 500+00N	<1	6	5	15	.3	4	1	32	.44	<2	<8	<2	<2	10	.2	<3	<3	10	.07	.011	2	2	.03	23	.02	<3	.16	.03	.02	<2
L504+00E 499+50N	<1	8	6	14	.3	4	2	37	.62	6	<8	<2	<2	10	.2	<3	<3	15	.09	.016	3	3	.03	22	.02	<3	.19	.03	.02	<2
L504+00E 499+00N	1	25	14	46	.3	11	4	82	1.22	5	<8	<2	<2	31	.6	<3	<3	10	.62	.083	7	11	.17	119	.01	<3	.59	.02	.05	<2
L504+00E 498+50N	<1	8	3	10	<.3	3	1	36	.66	2	<8	<2	<2	8	.3	<3	<3	9	.10	.021	2	5	.08	24	.01	<3	.27	.03	.03	<2
L504+00E 498+00N	2	13	6	28	<.3	5	2	21	.85	2	<8	<2	<2	81	1.3	<3	<3	4	1.63	.081	6	4	.06	192	.01	<3	.40	.01	.02	<2
L504+00E 497+50N	2	29	21	109	.3	23	14	561	2.69	24	<8	<2	3	30	.2	<3	<3	49	.48	.070	14	26	.50	218	.04	<3	1.52	.02	.07	<2
L504+00E 497+00N	<1	7	3	20	<.3	5	3	83	1.03	2	<8	<2	<2	17	.2	<3	<3	24	.25	.045	4	6	.12	64	.03	<3	.33	.03	.03	<2
L504+00E 496+50N	<1	7	3	7	.3	4	1	31	.71	<2	<8	<2	<2	12	<.2	<3	<3	16	.11	.027	4	3	.03	67	.02	<3	.34	.03	.02	<2
STANDARD C3	26	70	37	165	6.3	37	13	781	3.67	53	23	5	19	29	23.5	18	25	82	.57	.088	19	170	.62	152	.10	22	1.80	.04	.16	20
STANDARD G-2	1	3	6	42	<.3	8	4	536	2.19	<2	<8	<2	3	71	<.2	<3	<3	40	.65	.093	8	74	.62	221	.14	3	.91	.08	.46	2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

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
L504+00E 496+00N	1	21	18	98	.3	24	12	323	3.47	28	<8	<2	5	28	<.2	6	<3	36	.56	.075	20	24	.57	123	.03	<3	1.56	.01	.09	2
L504+00E 495+50N	2	65	19	128	1.3	41	17	372	3.32	37	<8	<2	4	38	1.3	4	<3	35	.90	.077	62	25	.52	227	.03	<3	1.79	.02	.11	<2
L504+00E 495+00N	4	40	23	74	.8	19	29	1585	2.39	33	<8	<2	<2	74	.8	<3	<3	31	1.49	.103	21	16	.31	289	.01	3	1.12	.02	.06	<2
L505+00E 508+00N	1	18	36	107	<.3	13	21	469	2.22	29	<8	<2	2	18	<.2	<3	<3	38	.24	.045	9	14	.33	104	.05	<3	.95	.03	.08	<2
L505+00E 505+00N	2	15	15	56	.4	11	4	135	1.79	16	<8	<2	<2	23	.2	<3	<3	32	.37	.052	12	16	.31	113	.03	<3	.98	.01	.07	<2
L505+00E 503+00N	1	33	18	45	<.3	18	7	77	1.61	7	<8	<2	<2	23	.6	<3	<3	19	.28	.071	10	9	.13	121	.02	<3	.76	.02	.05	<2
L505+00E 501+00N	1	70	82	433	.7	13	12	131	1.70	23	<8	<2	<2	12	1.5	<3	<3	23	.18	.059	15	15	.24	67	.02	<3	1.03	.02	.05	<2
L505+00E 500+00N	<1	96	185	158	.4	4	2	40	.97	3	<8	<2	<2	8	.8	<3	<3	9	.06	.056	5	4	.03	74	.01	<3	.50	.02	.02	<2
L505+00E 499+50N	2	55	85	526	4.2	23	9	232	5.25	233	<8	<2	9	8	<.2	64	5	57	.08	.039	14	36	.38	59	.04	<3	2.05	.01	.05	<2
L505+00E 499+00N	1	6	8	56	.3	8	7	139	1.44	7	<8	<2	<2	9	<.2	<3	<3	28	.10	.020	4	8	.17	43	.04	<3	.54	.03	.05	<2
L505+00E 498+50N	2	26	28	172	.4	23	15	286	3.16	34	<8	<2	4	26	<.2	3	3	54	.41	.075	15	27	.62	164	.06	<3	1.61	.02	.12	<2
L505+00E 497+50N	1	17	10	44	.3	10	3	111	1.29	7	<8	<2	2	28	<.2	<3	<3	26	.47	.063	14	22	.37	148	.05	<3	.98	.01	.06	<2
L505+00E 497+00N	4	102	40	123	1.0	40	28	834	3.86	47	<8	<2	7	47	.4	4	<3	62	.93	.072	33	35	.73	271	.06	<3	2.14	.03	.15	<2
L505+00E 496+50N	3	74	33	208	.6	54	27	424	4.46	41	<8	<2	9	34	.4	7	<3	67	.43	.076	29	38	.87	294	.07	<3	2.53	.03	.20	3
L505+00E 496+00N	1	23	17	83	<.3	22	13	338	3.52	27	<8	<2	5	20	<.2	4	3	42	.39	.073	20	20	.49	101	.04	<3	1.38	.01	.08	2
L505+00E 495+00N	1	28	15	94	<.3	23	11	331	3.52	36	<8	<2	6	23	<.2	3	<3	43	.39	.067	21	21	.51	141	.05	<3	1.45	.02	.09	3
L506+00E 505+00N	10	46	21	109	.3	32	13	396	3.29	30	<8	<2	3	35	.2	7	<3	55	.44	.067	17	21	.43	154	.04	<3	1.42	.03	.13	<2
L506+00E 504+50N	3	13	6	23	<.3	5	2	67	1.04	9	<8	<2	<2	14	.3	<3	<3	23	.16	.026	6	7	.11	42	.01	<3	.40	.02	.04	<2
L506+00E 504+00N	4	21	29	110	.5	23	9	225	3.02	32	<8	<2	2	21	<.2	4	<3	47	.28	.064	14	24	.48	123	.03	<3	1.58	.02	.10	<2
L506+00E 503+50N	4	16	18	99	<.3	19	9	274	2.83	26	<8	<2	2	19	.2	3	<3	55	.23	.057	13	23	.49	132	.05	<3	1.45	.02	.16	<2
L506+00E 503+00N	1	17	6	45	<.3	12	5	156	1.38	9	<8	<2	<2	33	.2	<3	<3	28	.73	.056	7	8	.17	123	.03	<3	.69	.03	.05	<2
L506+00E 502+50N	<1	8	<3	13	<.3	4	2	33	.52	3	<8	<2	<2	15	<.2	<3	<3	10	.19	.033	3	3	.03	38	.01	<3	.20	.03	.03	<2
L506+00E 502+00N	<1	19	3	26	<.3	8	5	65	1.30	4	<8	<2	<2	11	.3	<3	<3	36	.14	.023	3	5	.06	31	.05	<3	.26	.02	.03	<2
RE L506+00E 502+00N	1	18	3	26	<.3	7	5	67	1.36	3	<8	<2	<2	11	.3	<3	<3	38	.13	.022	3	5	.06	29	.06	<3	.25	.02	.02	<2
L506+00E 501+50N	1	21	15	86	<.3	18	9	142	2.88	26	<8	<2	3	13	<.2	<3	<3	55	.12	.031	12	21	.33	91	.06	<3	1.23	.01	.06	<2
L506+00E 501+00N	3	42	65	344	.3	24	12	262	3.25	70	<8	<2	2	17	.4	3	<3	45	.22	.053	15	26	.55	117	.03	<3	1.75	.02	.11	<2
L506+00E 500+50N	1	33	127	169	.6	10	6	107	1.51	14	<8	<2	<2	15	1.1	<3	<3	23	.20	.065	9	12	.20	77	.02	<3	.71	.02	.07	<2
L506+00E 500+00N	1	204	1538	253	5.1	7	4	35	2.80	6	<8	<2	<2	5	1.3	<3	<3	10	.08	.098	11	7	.03	16	.01	<3	.90	.01	.02	<2
L506+00E 499+50N	2	33	41	149	.3	13	9	153	1.79	22	<8	<2	<2	20	.8	<3	<3	28	.26	.054	10	12	.27	91	.02	<3	.84	.02	.06	<2
L506+00E 499+00N	<1	4	<3	11	<.3	3	1	20	.42	2	<8	<2	<2	11	<.2	<3	<3	10	.08	.015	1	2	.03	21	.02	<3	.18	.04	.03	<2
L506+00E 498+50N	3	46	84	223	.4	16	13	402	6.14	130	<8	<2	5	31	.8	5	3	72	.28	.074	17	38	1.13	136	.07	<3	2.15	.02	.18	2
L506+00E 498+00N	<1	5	4	15	<.3	2	1	27	.47	<2	<8	<2	<2	28	.2	<3	<3	9	.62	.036	1	2	.04	31	.01	<3	.17	.04	.02	<2
L506+00E 497+50N	1	12	4	27	<.3	5	3	162	.92	2	<8	<2	<2	28	.4	<3	<3	23	.63	.053	4	5	.10	64	.03	<3	.37	.04	.03	<2
L506+00E 497+00N	1	7	5	25	<.3	5	3	74	1.24	2	<8	<2	<2	14	<.2	<3	<3	35	.18	.017	2	5	.09	48	.05	<3	.29	.03	.02	<2
L506+00E 496+50N	2	10	<3	13	<.3	5	3	242	.78	7	<8	<2	<2	31	.2	<3	<3	17	.70	.062	4	4	.09	81	.02	<3	.47	.05	.03	<2
STANDARD C3	26	67	37	165	6.1	37	12	781	3.57	57	21	5	19	29	23.5	20	22	82	.57	.088	19	170	.61	147	.10	20	1.76	.04	.15	20
STANDARD G-2	2	3	<3	43	<.3	7	4	552	2.20	<2	<8	<2	4	72	<.2	<3	<3	42	.65	.093	8	74	.63	229	.15	<3	.91	.08	.48	3

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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ACME ANALYTICAL

Atna Resources Ltd. PROJECT EVAN FILE # 9902377

ACME ANALYTICAL

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
L506+00E 496+00N	4	38	22	169	<.3	38	17	453	3.72	34	<8	<2	6	37	<.2	4	<3	64	.50	.085	18	35	.85	270	.07	<3	2.27	.03	.22	<2
L506+00E 495+50N	2	33	16	114	<.3	25	14	367	3.68	32	<8	<2	5	32	<.2	<3	<3	33	.67	.070	23	25	.58	139	.03	<3	1.81	.02	.12	<2
L506+00E 495+00N	2	38	21	110	<.3	28	14	432	3.56	28	<8	<2	4	42	<.2	<3	<3	32	.89	.082	22	24	.59	152	.03	<3	1.83	.02	.12	<2
L507+00E 506+50N	6	54	26	145	<.3	45	18	396	4.18	45	<8	<2	7	29	<.2	<3	<3	84	.24	.058	21	33	.71	316	.05	<3	2.42	.01	.15	<2
L507+00E 505+00N	4	51	31	262	.4	50	16	404	4.23	31	<8	<2	8	35	.6	3	<3	58	.42	.087	27	32	.71	236	.07	<3	1.91	.02	.19	<2
L507+00E 504+50N	2	37	19	148	.4	26	11	226	3.26	20	<8	<2	6	31	<.2	3	<3	51	.40	.086	21	27	.58	288	.07	<3	1.48	.02	.11	<2
L507+00E 504+00N	5	24	18	88	.3	27	11	133	2.07	14	<8	<2	4	24	.4	<3	<3	37	.33	.066	16	21	.40	152	.04	<3	1.20	.01	.07	<2
RE L507+00E 504+00N	4	23	15	85	<.3	24	11	123	2.02	11	<8	<2	3	23	.3	<3	<3	36	.32	.065	15	21	.39	150	.04	<3	1.18	.01	.07	<2
L507+00E 503+50N	13	93	26	233	.5	57	22	268	3.60	50	<8	<2	8	33	<.2	3	<3	47	.28	.071	29	20	.45	127	.04	<3	1.32	.02	.09	<2
L507+00E 502+00N	3	40	27	109	.5	35	15	313	4.09	182	<8	<2	6	18	<.2	4	<3	69	.19	.042	15	33	.64	147	.07	<3	2.25	.01	.09	<2
L507+00E 501+50N	2	49	26	119	<.3	26	13	192	2.84	38	<8	<2	<2	15	.2	<3	<3	55	.18	.038	14	22	.31	101	.03	<3	1.27	.01	.07	<2
L507+00E 500+50N	1	28	78	281	.5	11	8	137	1.97	14	<8	<2	<2	13	.5	<3	<3	30	.19	.053	11	15	.27	71	.04	<3	.89	.02	.06	<2
L507+00E 499+00N	3	79	77	499	.6	44	32	577	5.84	84	<8	<2	9	21	.7	<3	<3	74	.26	.093	21	38	.98	138	.05	<3	2.58	.02	.21	<2
L507+00E 498+50N	6	80	48	452	.7	57	41	498	4.77	52	<8	<2	8	35	.7	<3	<3	79	.36	.077	27	33	.78	252	.06	<3	2.15	.02	.19	<2
L507+00E 498+00N	2	25	11	62	.8	17	7	147	1.93	14	<8	<2	<2	32	<.2	<3	<3	45	.43	.049	9	13	.17	272	.03	<3	1.28	.03	.07	<2
L507+00E 497+00N	2	30	12	78	<.3	23	9	307	2.23	25	<8	<2	3	39	.4	<3	<3	47	.57	.044	13	21	.41	235	.04	<3	1.49	.05	.09	<2
L507+00E 497+00N A	5	57	31	174	.3	38	15	447	4.33	45	<8	<2	9	30	<.2	3	<3	69	.32	.059	25	33	.78	257	.06	<3	2.05	.02	.16	<2
L507+00E 496+00N	2	56	31	162	<.3	48	24	495	4.88	35	<8	<2	7	63	.4	5	<3	63	.71	.052	14	34	1.15	183	.09	<3	3.02	.07	.39	2
L507+00E 495+50N	2	47	17	100	.4	30	14	284	3.19	18	<8	<2	6	25	<.2	4	<3	38	.48	.068	28	26	.58	159	.04	<3	1.79	.02	.10	<2
L507+00E 495+00N	1	42	19	110	.4	30	15	375	3.88	36	<8	<2	6	32	.2	3	<3	37	.68	.070	25	25	.59	159	.04	<3	1.90	.02	.13	<2
L508+00E 505+00N	1	19	9	39	<.3	13	6	75	1.49	16	<8	<2	<2	13	<.2	<3	<3	29	.12	.035	13	11	.19	86	.03	<3	.70	.01	.05	<2
L508+00E 504+50N	2	18	15	76	<.3	16	9	143	2.54	43	<8	<2	2	20	<.2	<3	<3	35	.28	.075	17	21	.41	126	.05	<3	1.15	.01	.11	<2
L508+00E 504+00N	1	15	6	18	<.3	6	3	60	.69	2	<8	<2	<2	12	<.2	<3	<3	14	.15	.017	12	13	.16	84	.04	<3	.52	.01	.08	<2
L508+00E 503+50N	2	25	15	62	<.3	36	17	157	3.36	21	<8	<2	6	8	<.2	<3	<3	60	.07	.020	15	32	.40	98	.04	<3	2.09	.01	.05	<2
L508+00E 503+00N	2	25	20	83	<.3	20	14	612	2.59	22	<8	<2	2	24	<.2	<3	<3	41	.56	.056	11	19	.44	117	.04	<3	1.26	.02	.09	<2
L508+00E 502+50N	3	72	49	214	.5	43	30	505	4.82	54	<8	<2	8	23	<.2	3	<3	76	.37	.092	23	38	.94	178	.07	<3	2.48	.02	.19	<2
L508+00E 501+25N	2	11	165	226	<.3	13	5	130	2.89	13	<8	<2	3	12	<.2	<3	<3	54	.13	.020	12	22	.28	111	.04	<3	1.58	.01	.06	<2
L508+00E 501+00N	2	27	16	73	<.3	24	10	190	3.05	31	<8	<2	5	12	<.2	<3	<3	59	.12	.013	17	29	.47	122	.05	<3	1.69	.01	.05	<2
L508+00E 500+00N	4	57	80	269	.9	46	25	622	5.09	122	<8	<2	8	31	.2	8	<3	70	.44	.090	24	36	.92	200	.06	<3	2.28	.02	.25	<2
L508+00E 499+50N	3	29	17	123	<.3	20	18	289	2.30	25	<8	<2	<2	18	.3	<3	<3	44	.14	.044	13	16	.29	143	.02	<3	1.19	.02	.07	<2
L508+00E 499+00N	6	47	17	121	.5	40	14	339	3.49	44	<8	<2	6	30	<.2	3	<3	71	.25	.052	23	29	.54	325	.05	<3	1.77	.02	.13	<2
L508+00E 498+50N	2	23	15	52	.6	24	8	167	2.81	12	<8	<2	5	19	<.2	<3	<3	51	.22	.047	15	31	.47	219	.05	<3	1.73	.01	.08	<2
L508+00E 498+00N	5	44	18	102	.3	36	11	320	3.43	56	<8	<2	7	24	<.2	3	<3	56	.17	.034	28	28	.58	286	.06	<3	1.50	.01	.11	<2
L508+00E 497+50N	2	33	28	94	.5	24	13	298	2.80	48	<8	<2	3	29	<.2	<3	<3	49	.40	.055	12	25	.53	216	.05	<3	1.96	.03	.11	<2
L508+00E 497+00N	4	42	23	132	<.3	37	14	417	3.91	33	<8	<2	6	28	.2	4	<3	69	.28	.070	19	34	.77	247	.06	<3	2.14	.02	.17	<2
STANDARD C3	26	68	37	165	6.2	37	12	781	3.57	53	23	4	19	29	23.5	19	25	82	.57	.087	19	170	.61	149	.10	19	1.80	.04	.16	20
STANDARD G-2	2	3	<3	42	<.3	6	4	538	2.18	<2	<8	<2	3	71	<.2	<3	<3	41	.65	.094	8	77	.63	225	.15	<3	.91	.08	.47	2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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ACME ANALYTICAL

Atna Resources Ltd. PROJECT EVAN FILE # 9902377 Page 5

ACME ANALYTICAL

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
L508+00E 496+50N	2	24	34	131	.3	25	14	359	2.62	23	<8	<2	2	26	<.2	<3	<3	50	.34	.049	11	23	.46	202	.05	<3	1.62	.03	.12	<2
L508+00E 496+00N	1	41	27	87	.3	25	12	294	2.60	25	<8	<2	2	35	.4	<3	<3	43	.71	.051	10	21	.50	149	.05	<3	1.66	.05	.09	<2
RE L508+00E 496+00N	1	40	21	85	.3	25	12	300	2.53	22	<8	<2	2	35	.2	<3	<3	42	.70	.048	10	20	.49	145	.04	<3	1.63	.05	.09	<2
L508+00E 495+50N	2	21	17	73	<.3	19	6	172	2.37	10	<8	<2	3	18	<.2	<3	<3	41	.21	.062	18	22	.47	158	.03	<3	1.43	.01	.08	<2
L508+00E 495+00N	2	29	18	83	.3	24	12	301	2.98	19	<8	<2	3	18	<.2	<3	<3	39	.22	.055	19	20	.44	169	.03	<3	1.37	.02	.09	<2
L509+00E 505+00N	2	127	17	61	.4	19	10	126	2.28	20	<8	<2	<2	13	<.2	<3	<3	29	.15	.056	33	17	.33	135	.03	<3	1.17	.01	.06	<2
L509+00E 504+50N	4	101	31	114	<.3	18	12	444	11.87	114	<8	<2	20	21	2.6	<3	3	70	.06	.101	21	45	.97	103	.06	<3	2.98	.01	.21	<2
L509+00E 504+00N	1	35	32	70	.3	16	7	139	2.30	14	<8	<2	3	13	<.2	3	<3	42	.18	.041	13	20	.37	81	.04	<3	1.30	.01	.06	<2
L509+00E 502+25N	2	42	24	111	.4	31	17	326	3.01	29	<8	<2	3	25	.2	<3	<3	59	.39	.043	14	27	.54	203	.05	<3	1.69	.03	.10	<2
L509+00E 502+00N	1	34	21	98	<.3	23	16	258	2.28	22	<8	<2	3	18	<.2	<3	<3	36	.20	.036	12	19	.39	146	.05	<3	1.36	.03	.09	<2
L509+00E 500+50N	1	16	13	56	.3	12	4	116	1.88	12	<8	<2	<2	21	<.2	<3	<3	32	.27	.049	11	16	.31	153	.03	4	1.03	.02	.06	<2
L509+00E 500+00N	1	26	15	87	<.3	14	4	96	1.84	11	<8	<2	2	30	.3	<3	<3	28	.48	.065	16	20	.31	243	.03	<3	1.02	.02	.06	<2
L509+00E 499+50N	4	34	20	91	.4	26	11	195	3.22	32	<8	<2	5	38	<.2	<3	<3	56	.55	.071	21	27	.50	287	.04	<3	1.49	.01	.09	<2
L509+00E 498+50N	5	25	19	95	<.3	26	8	254	3.75	47	<8	<2	6	18	<.2	<3	<3	66	.12	.035	20	25	.48	180	.05	<3	1.40	.01	.10	<2
L509+00E 498+00N	3	32	25	68	.4	18	5	139	2.37	36	<8	<2	<2	25	<.2	<3	<3	54	.23	.037	14	19	.29	273	.01	<3	1.39	.02	.11	<2
L509+00E 497+50N	3	46	49	185	.5	37	17	492	4.47	53	<8	<2	7	25	<.2	3	<3	66	.31	.065	23	35	.86	250	.08	<3	2.07	.02	.15	<2
L509+00E 497+00N	3	35	34	128	.3	31	12	359	3.42	27	<8	<2	7	22	.2	<3	<3	53	.28	.064	23	31	.68	233	.07	<3	1.66	.01	.11	<2
L509+00E 496+50N	2	25	16	78	<.3	21	11	229	2.59	18	<8	<2	3	64	<.2	<3	<3	54	.86	.063	10	29	.78	201	.06	<3	2.24	.09	.09	<2
L509+00E 496+00N	2	31	21	101	<.3	21	12	311	2.98	26	<8	<2	5	27	<.2	<3	<3	39	.35	.061	17	22	.55	197	.05	<3	1.41	.03	.12	<2
L510+00E 504+50N	1	44	18	89	<.3	13	9	156	1.91	9	<8	<2	<2	17	.2	<3	<3	31	.37	.037	9	13	.26	92	.04	<3	.84	.02	.06	<2
L510+00E 503+50N	2	28	20	64	<.3	13	7	155	2.63	17	<8	<2	2	14	<.2	3	<3	51	.17	.033	12	20	.40	116	.05	<3	1.14	.01	.07	<2
L510+00E 503+00N	<1	24	11	24	<.3	6	3	63	1.04	2	<8	<2	<2	23	.9	<3	<3	16	.49	.034	6	7	.07	137	.03	<3	.60	.02	.05	<2
L510+00E 502+50N	4	87	59	235	.3	55	24	551	5.43	63	<8	<2	9	32	.7	<3	<3	120	.46	.086	22	43	1.12	197	.09	<3	2.69	.02	.24	<2
L510+00E 502+00N	1	37	17	207	.4	30	27	423	2.74	20	<8	<2	3	26	.2	<3	<3	43	.36	.064	13	21	.55	145	.06	<3	1.73	.04	.14	<2
L510+00E 501+00N	3	48	121	522	.5	46	26	570	5.48	56	<8	<2	7	23	1.3	3	<3	63	.24	.071	20	38	.92	189	.09	<3	2.63	.02	.21	<2
L510+00E 500+50N	1	7	11	45	<.3	9	3	111	2.21	15	<8	<2	3	9	<.2	<3	<3	50	.08	.024	12	14	.21	60	.04	<3	.86	.01	.04	<2
L510+00E 500+00N	2	31	25	137	<.3	27	13	245	3.03	24	<8	<2	5	21	<.2	<3	<3	51	.27	.063	21	30	.59	226	.05	<3	1.67	.01	.09	<2
L510+00E 499+50N	2	42	38	238	.3	33	19	312	3.16	26	<8	<2	4	25	.5	3	<3	45	.31	.059	19	25	.57	208	.05	<3	1.48	.03	.12	<2
L510+00E 499+00N	3	38	44	191	<.3	30	16	383	4.02	36	<8	<2	6	21	<.2	<3	<3	55	.24	.058	20	29	.70	202	.06	<3	1.68	.01	.13	<2
L510+00E 498+50N	2	18	27	111	.4	20	11	257	3.06	26	<8	<2	3	17	<.2	<3	<3	49	.16	.042	14	23	.48	154	.04	<3	1.39	.02	.10	<2
L510+00E 498+00N	2	43	35	176	<.3	32	16	396	3.93	40	<8	<2	6	23	.3	<3	<3	55	.28	.060	22	30	.74	254	.06	<3	1.78	.02	.12	<2
L510+00E 497+50N	2	31	20	140	<.3	30	14	310	3.38	30	<8	<2	6	25	<.2	<3	<3	51	.30	.076	21	30	.69	227	.06	<3	1.72	.01	.12	<2
L510+00E 497+00N	1	18	8	31	<.3	9	5	102	1.43	10	<8	<2	<2	18	<.2	<3	<3	25	.22	.043	9	10	.18	161	.02	<3	.74	.03	.04	<2
L510+00E 496+50N	2	35	16	122	<.3	26	12	338	3.28	27	<8	<2	6	26	<.2	<3	<3	49	.30	.071	22	27	.64	249	.06	<3	1.53	.02	.12	<2
L510+00E 496+00N	1	37	24	97	<.3	28	13	295	4.04	33	<8	<2	5	24	<.2	3	<3	34	.37	.065	22	25	.58	179	.03	<3	1.85	.02	.11	<2
STANDARD C3	26	70	37	165	6.3	37	13	781	3.65	56	24	3	19	29	23.5	19	23	82	.57	.088	19	170	.62	151	.10	21	1.80	.04	.16	20
STANDARD G-2	2	3	6	42	<.3	7	4	533	2.21	<2	<8	<2	3	71	<.2	<3	<3	40	.66	.093	8	77	.62	223	.15	<3	.91	.08	.46	3

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data d FA ___

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
L510+00E 495+50N	1	29	19	82	<.3	26	16	217	2.70	25	<8	<2	4	16	<.2	3	<3	31	.24	.056	19	21	.46	156	.03	4	1.71	.01	.08	<2
L510+00E 495+00N	3	62	21	163	<.3	44	29	463	5.08	44	<8	<2	13	15	.2	<3	<3	47	.26	.061	36	34	.76	160	.05	3	2.42	.01	.18	<2
RE L510+00E 495+00N	2	62	23	160	.3	43	28	457	4.99	42	<8	<2	13	15	<.2	<3	<3	46	.25	.060	36	34	.75	156	.05	<3	2.41	.01	.18	<2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. PROJECT EVAN File # 9902378

1550 - 409 Granville St., Vancouver BC V6C 1T2

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
L501+00E 503+50N	4	45	34	379	.7	29	14	144	2.02	21	<8	<2	2	21	2.2	<3	<3	28	.35	.070	23	18	.27	123	.02	<3	1.05	.01	.06	<2
L502+00E 503+17N	3	17	12	199	.6	12	10	110	1.84	10	<8	<2	2	14	.4	3	<3	33	.15	.048	15	11	.20	63	.03	3	.63	.01	.04	<2
L502+00E 495+75N	1	31	21	107	.4	27	12	354	2.97	32	<8	<2	5	31	.6	<3	<3	32	.68	.064	24	20	.50	178	.03	<3	1.69	.02	.10	<2
L503+00E 495+80N	2	22	15	92	<.3	20	10	292	2.88	28	<8	<2	5	24	.3	<3	<3	31	.48	.061	18	19	.50	139	.03	<3	1.58	.01	.08	2
L505+00E 501+20N	2	87	53	1713	.4	49	147	1922	1.74	25	<8	<2	<2	27	12.5	<3	<3	30	.60	.064	21	15	.29	146	.03	<3	1.33	.01	.06	<2
L510+00E 495+50N	1	24	16	102	<.3	26	19	380	2.93	29	<8	<2	5	18	.5	<3	<3	36	.36	.073	22	18	.44	134	.03	<3	1.50	<.01	.07	<2
RE L510+00E 495+50N	1	25	18	94	<.3	27	17	376	3.02	27	<8	<2	5	19	<.2	<3	<3	37	.36	.074	23	20	.45	146	.03	<3	1.54	.01	.07	<2
STANDARD C3	27	63	37	171	5.6	37	11	790	3.42	57	16	3	21	29	23.5	17	19	81	.59	.089	18	172	.61	158	.08	17	1.93	.03	.16	20
STANDARD G-2	2	2	<3	45	<.3	7	4	551	2.11	2	<8	<2	4	72	<.2	<3	7	42	.68	.097	7	80	.61	242	.13	<3	.98	.07	.46	3

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 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 MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SILT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: JUL 21 1999 **DATE REPORT MAILED:** July 28/99 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. PROJECT EVAN File # 9902379

1550 - 409 Granville St., Vancouver BC V6C 1T2

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
A73351	2	8	16	176	<.3	19	10	252	3.76	<2	<8	<2	8	2	.2	<3	<3	45	.08	.035	13	60	2.11	15	.05	4	2.11	.04	.19	4
A73352	4	120	546	990	3.1	12	39	1192	6.56	257	<8	<2	5	27	5.0	<3	6	86	1.03	.089	8	40	.27	133	.10	4	2.06	.16	.48	2
A73353	2	246	15401	21032	11.9	23	94	2752	16.47	345	<8	<2	4	31	69.2	<3	5	98	2.33	.056	15	32	.19	59	.07	7	1.78	.13	.39	<2
A73354	<1	185	17210	61032	8.7	20	53	2816	18.99	58	<8	<2	<2	11	200.5	<3	<3	87	2.20	.005	5	10	.07	15	<.01	6	.57	.03	.05	<2
A73355	10	212	9267	12556	39.8	40	74	1642	9.39	11	<8	<2	7	20	61.7	3	85	51	.82	.032	12	32	.42	26	.07	5	1.69	.13	.22	<2
A73356	4	226	1829	6388	3.6	34	58	1228	7.95	13	<8	<2	7	21	34.0	<3	5	23	.71	.028	12	19	.13	37	.04	6	1.37	.13	.12	<2
A73357	3	100	165	1226	1.0	39	79	774	10.84	<2	<8	<2	7	30	4.8	<3	<3	33	1.19	.034	8	27	.17	33	.06	6	2.13	.19	.18	<2
A73358	8	233	1166	5003	14.5	45	75	1329	9.14	<2	<8	<2	7	41	44.4	<3	95	49	1.53	.070	17	33	.24	30	.06	8	2.28	.21	.19	6
A73359	3	186	23	687	.6	22	52	343	3.97	9	<8	<2	9	79	5.0	3	4	25	2.61	.221	14	31	.25	56	.05	9	3.26	.33	.09	1542
A73360	2	20	18	95	<.3	14	7	356	3.24	23	<8	<2	11	11	.2	<3	<3	17	.09	.048	21	31	.62	124	.05	10	1.49	.02	.39	8
A73361	4	38	21	260	.5	23	8	613	3.53	2	<8	<2	13	118	4.1	3	<3	129	3.82	.115	14	83	1.68	409	.20	6	6.05	.26	1.31	7
RE A73361	4	38	30	267	.4	23	8	627	3.62	<2	<8	<2	13	120	4.1	<3	<3	132	3.91	.119	15	85	1.73	417	.20	5	6.18	.27	1.33	3
A73362	5	36	235	216	.4	16	10	694	4.81	8	<8	<2	5	23	.5	<3	<3	160	.93	.048	8	49	.71	126	.09	6	2.56	.10	.36	6
A73363	2	43	24	204	.4	4	7	762	5.42	<2	<8	<2	7	25	.3	<3	<3	28	.87	.250	8	37	.46	76	.06	5	1.40	.08	.23	8
A73364	2	43	34	107	.3	20	12	443	3.85	4	<8	<2	8	53	.7	<3	<3	40	1.97	.036	10	47	.77	162	.12	7	3.41	.29	.39	6
A73365	3	37	16	113	<.3	6	8	275	2.49	<2	<8	<2	4	58	.6	<3	<3	7	1.93	.077	3	23	.46	42	.03	7	2.99	.24	.16	8
A73366	2	44	24	66	<.3	9	7	228	2.79	<2	<8	<2	7	79	.5	<3	<3	18	2.36	.184	7	30	.33	112	.06	6	3.29	.29	.16	7
A73367	2	6	12	76	.3	18	6	296	3.49	197	<8	<2	8	5	<.2	<3	<3	35	.12	.049	18	58	1.17	83	.04	13	1.52	.04	.25	7
A73368	2	11	11	44	<.3	17	6	626	3.65	10	<8	<2	4	3	<.2	<3	<3	13	.04	.023	12	31	.80	28	.04	8	1.58	.01	.12	8
A73369	4	87	49	316	.7	20	30	461	5.30	<2	<8	<2	10	60	.4	<3	<3	101	3.92	.056	15	44	.56	67	.11	10	5.65	.12	.35	3
A73370	10	10	521	1308	1.1	15	8	2527	5.74	150	<8	<2	6	38	2.6	<3	<3	135	2.79	.056	22	28	.15	99	.07	4	1.38	.10	.22	7
A73371	2	31	825	584	2.6	5	5	1432	6.62	5	<8	<2	8	5	3.1	<3	4	63	.18	.032	13	44	.51	135	.14	7	2.07	.04	.79	3
A73372	1	79	33	262	.7	10	20	832	4.65	<2	<8	<2	9	48	2.0	<3	6	36	1.44	.103	9	42	.41	114	.10	8	2.53	.30	.26	52
A73401	2	43	61	279	.7	27	10	1655	11.02	11	<8	<2	12	31	1.1	<3	<3	141	1.62	.036	19	84	1.68	504	.18	7	5.51	.15	1.24	<2
A73402	5	80	124	588	.6	10	16	1132	4.45	13	<8	<2	5	24	1.8	<3	<3	124	1.62	.192	7	49	.40	137	.10	7	2.46	.18	.55	6
A73403	2	78	109	2437	1.0	29	46	836	5.04	17	<8	<2	9	42	6.6	<3	<3	55	1.16	.040	12	51	.49	91	.13	6	3.05	.27	.61	<2
A73404	1	18	539	52	1.1	3	2	307	2.08	65	<8	<2	6	8	<.2	<3	3	11	.03	.020	17	21	.02	53	.06	6	.37	.08	.19	11
A73405	2	62	286	427	2.1	12	14	810	4.80	5	<8	<2	6	35	1.2	<3	6	32	1.72	.049	8	39	.26	106	.10	6	2.09	.23	.36	8
A73406	1	71	1145	1092	2.7	14	27	908	4.00	24	<8	<2	9	68	2.9	<3	6	34	2.44	.068	8	39	.23	63	.10	7	2.96	.36	.32	<2
A73407	2	64	45	115	.4	39	16	518	4.67	14	<8	<2	10	53	.7	<3	<3	39	1.27	.056	24	43	1.16	53	.07	<3	3.68	.08	.13	3
STANDARD C3	26	67	43	165	5.7	37	13	781	3.34	59	16	5	19	29	23.5	15	22	82	.57	.087	19	170	.62	149	.10	22	1.83	.04	.16	20
STANDARD G-2	2	4	6	43	<.3	8	5	565	2.07	<2	<8	<2	4	72	<.2	<3	<3	41	.66	.094	9	80	.62	225	.15	5	.95	.08	.46	4

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 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 MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 21 1999 DATE REPORT MAILED: July 28/99 SIGNED BY. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

APPENDIX II

PLATES

Plate 1: Evan Grid area showing relative locations of Trenches Tr-1 & Tr-2.

Plate 2: Trench Tr-1 (506+10E / 499+80N) with sample locations.

Plate 3: Trench Tr-2 (504+40E / 500+55N) with sample locations.

Plate 4: Evan 1999 Camp, kitchen area.

Plate 5: Evan 1999 Camp, kitchen area after reclamation.

APPENDIX III

STATEMENT OF COSTS

ATNA RESOURCES LTD.

EVAN PROPERTY, YUKON
1999 ELIGIBLE EXPENDITURE

			Amounts
Professional Fees & Wages			
Geologists			
Rob Wilson (18 days @$350/day)	6,300.00		
Janice Letwin (8 days @$190/day)	1,520.00	7,820.00	
Field Assistants			
Duncan MacRae (10 days @$190/day)		1,900.00	9,720.00
Assays/Geochemical Analyses			1,470.95
Camp Supplies			297.03
Equipment Rentals			
Radios		300.00	
Vehicle		888.87	1,188.87
Helicopters			
Charters		3,000.00	
Fuel & Oils		319.20	3,319.20
Living Allowance (26 man days @$35/man day)			910.00
Maps & Publications			164.74
Miscellaneous			6.64
Shippings			125.76
Supplies			28.50
Telephone			130.11
Travel Expenses			
Fuels		93.44	
Transportation		32.33	125.77
TOTAL			17,487.57

Evan Claim Boundary

Evan 12
YC17982

Evan 11
YC17981

Evan 10
YC17980

Evan 9
YC17979

Evan 15
YC17985

Evan 13
YC17983

Evan 1
YC08963

Evan 3
YC08965

Evan 5
YC17975

Evan 7
YC17977

Evan 16
YC17986

Evan 14
YC17984

Evan 2
YC08964

Evan 4
YC08966

Evan 6
YC17976

Evan 8
YC17978

LEGEND

- G — Graphitic phyllite and schist, graphitic quartzite - argillite; variably calcareous, black, rusty partings.
- F — Platey chloritic phlite including calc - silicat versions; characteristic waxy-green weathering.
- E — Calc-silicate hornfels and skarn, including quartzitic and argillitic varieties; distinctly thinly laminated with variable amphibolitic, garnetiferous, biotitic and graphitic components; host to sphalerite - galena +/- magnetite in trenches 1 & 2.
- D — Laminated calcareous phyllite, dark argillitic phyllite (+/- py, po), impure limestone - argillite.
- B — Sericite - chlorite - andalusite +/- biotite phyllite; non-calcareous, quartz "sweats" present, may be very papery.
- G & D — Unit G & D undifferentiated.
- E & F — Unit E & F undifferentiated.

Geologic Contact, inferred
Outcrop or subcrop
45 Foliation, strike and dip
Trench, 1982 vintage
1999 Camp Location, year
Marsh
Gridline, station marker
297, 61, 0.7 Rock sample location; Zn (ppm), Pb (ppm), Ag (ppm)

Contour Interval 100 feet

Modified after W.E. Brereton, 1982.

ATNA RESOURCES LTD.

EVAN PROJECT
Property Geology & Lithogeochemistry

Date:26/11/1999
Author: RGW & JML
Figure 2.2
NTS: 105L/9
Scale: 1:2500
Projection: UTM Zone 8 (NAD 27 for Canada)

0 25 50 100 metres