# GEOCHEMICAL REPORT ON THE BAT 1 CLAIM

Liard Mining Division
NTS 104 G / 8 W

Latitude: 57°23' North
Longitude: 130°27' West

A Report prepared for



Chris Graf, P. Eng.
#307 - 475 Howe Street
Vancouver, B.C.
V6C 2B3

By

David St. C. Dunn, P. Geo.
2348 Palmerston Avenue
West Vancouver, B.C.
V7V 2W1

October, 1991

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## LIST OF APPENDICES

## INTRODUCTION

A one day geochemical program was carried out by a two person crew on August 26, 1991 on the Bat 1 claim. The objects of this program were to confirm six samples anomalous in zinc (365 ppm - 717 ppm) taken in 1990 (Waskett-Myers, 1990) and to attempt to locate the source of these anomalies. Three rock, ten pan concentrate and ten silt samples were taken.

The Bat 1 claim was staked to cover part of a Jurassic Belt of rocks thought to be co-eval with the "Eskay Creek Facies". The "Eskay Creek Facies" hosts the Eskay Creek deposit, a polymetallic massive sulphide ore body located approximately 70 km south of the Bat 1 claim.

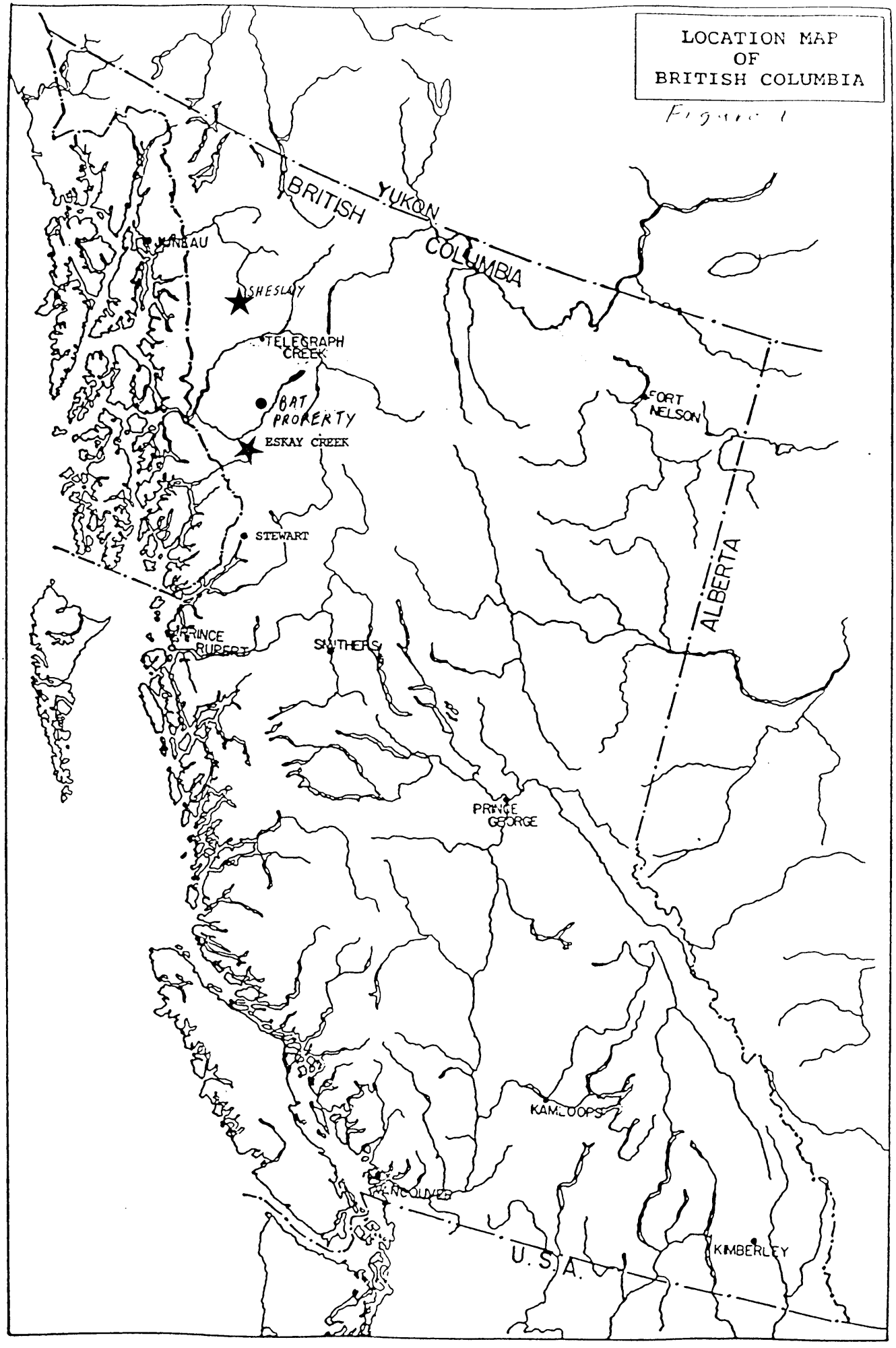
Noranda is presently exploring a large block of claims immediately east of the Bat 1 claim.

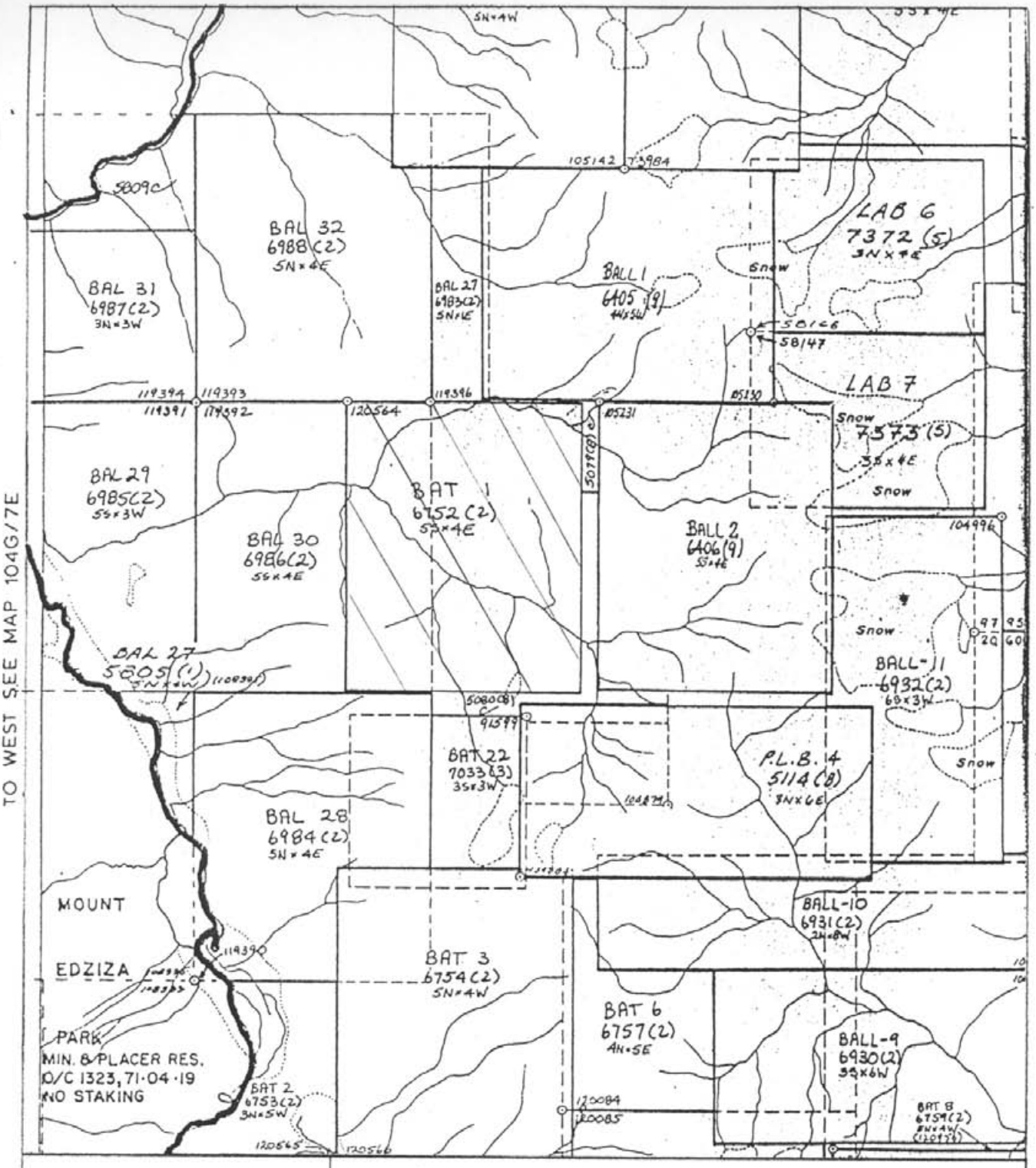
## PROPERTY DEFINITION

The Bat 1 claim is a located mineral claim consisting of 20 units with a record number of 6752. The claim is owned by Chris Graf and has an expiry date of February 21, 1992.

## LOCATION AND ACCESS

The Bat 1 claim is located 21 km southwest of the south end of Kiniskan lake in the Iskut River watershed of northwestern B.C. (See Figures 1 &2). Access was achieved by helicopter set out from Bob Quinn Lake on Highway 37 approximately 50 km southeast of the property.


LOCATION MAP
OF
BRITISH COLUMBIA
Figure 1
BRITISH
YUKON
COLUMBIA
JUNEAU
SHESLAY
TELEGRAPH
CREEK
BAT
PROPERTY
ESKAY CREEK
STEWART
FORT
NELSON
ALBERTA
PRINCE
RUPERT
SMITHERS
PRINCE
GEORGE
KAMLOOPS
KIMBERLEY
U.S.A.




# ACTIVE MINERALS LTD.

## Stikine Gold Project

## Bat 1 Claim

## Part of 104 G/8W

| Scale: | Date: | Figure: |
|---|---|---|
| 1:50,000 | October, 1991 | 2 |

## TOPOGRAPHY AND VEGETATION

Topography on the Bat 1 claim is moderate with elevations ranging from 1300 m elevation on the north western claim boundary to 1740 m elevation on the southern claim boundary.

Ninety percent of the claim is above treeline with the remainder covered by sub-alpine spruce.

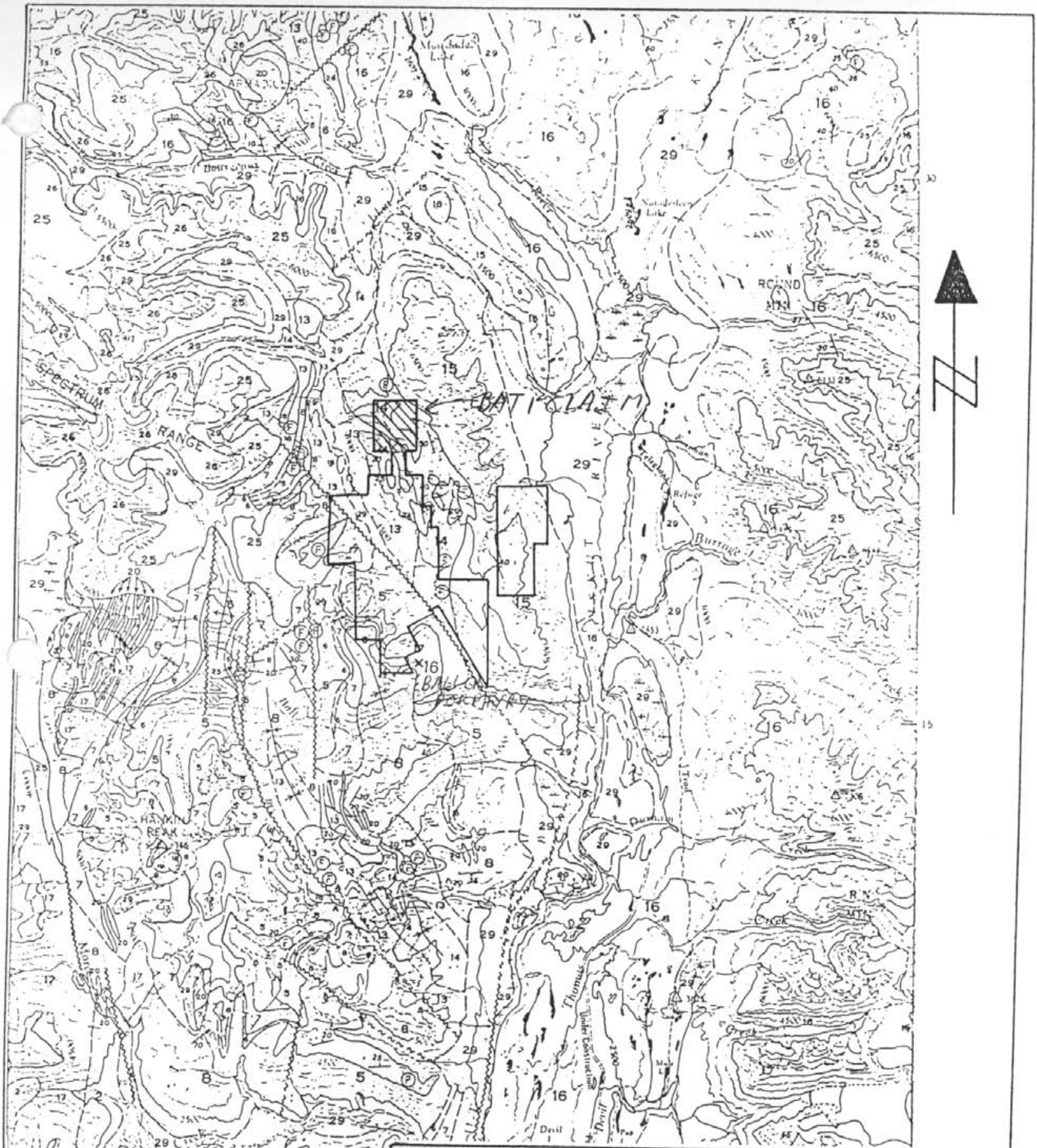
## REGIONAL GEOLOGY

The Bat 1 claim lies in the Intermontane Tectonic Belt approximately 20 km east of its boundary with the Coast Plutonic complex. The claim covers part of a Jurassic volcano-sedimentary package dominated by shale and pillow basalt. A minor but economically significant member of this package are rhyolite pyroclastics. This sequence is thought to be co-eval with the "Eskay Creek Facies", the host of a major ore body located approximately 70 km south of the Bat 1 claim. The bedded sequence generally strikes north westerly and dips shallowly east.

## PROPERTY GEOLOGY

Most of the Bat 1 claim is underlain by a Lower and Middle Jurassic shale unit. This unit is conformably overlain by Middle Jurassic basalt and related volcaniclastic rocks in the northeast quadrant of the claim. The basalt unit hosts a number of prominent gossans on and over the eastern and northern claim boundaries.

These bedded rocks trend north north west and dip shallowly to moderately east.




# ACTIVE MINERALS LTD

## STIKINE GOLD PROJECT
## BAT I CLAIM
## GEOLOGY

Allen Southey

| Scale: 1:250,000 | Date: October, 1991 | Figure 3 |
|---|---|---|

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

29 Fluviatile gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium

28 Hot-spring deposit, tufa , aragonite

27 Olivine basalt, related pyroclastic rocks and loose tephra; younger than some of 29

TERTIARY AND QUATERNARY
UPPER TERTIARY AND PLEISTOCENE

26 Rhyolite and dacite flows, lava domes, pyroclastic rocks and related subvolcanic intrusions; minor basalt

25 Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY
SLOKO GROUP

24 Light green, purple and white rhyolite, trachyte and dacite flows, pyroclastic rocks and derived sediments

22 23 22. Biotite leucogranite, subvolcanic stocks, dykes and sills
23. Porphyritic biotite andesite, lava domes, flows and (?) sills

SUSTUT GROUP

21 Chert-pebble conglomerate, granite-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal

20 Felsite, quartz-feldspar porphyry, pyritiferous felsite, orbicular rhyolite; in part equivalent to 22

19 Medium-to coarse-grained, pink biotite-hornblende quartz monzonite

JURASSIC AND/OR CRETACEOUS
POST-UPPER TRIASSIC PRE-TERTIARY

18 Hornblende diorite

17 Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite

JURASSIC
MIDDLE (?) AND UPPER JURASSIC
BOWSER GROUP

16 Chert-pebble conglomerate, grit, greywacke, subgreywacke, siltstone and shale; may include some 13

MIDDLE JURASSIC

15 Basalt, pillow lava, tuff-breccia, derived volcaniclastic rocks and related subvolcanic intrusions

LOWER AND MIDDLE JURASSIC

14 Shale, minor siltstone, siliceous and calcareous siltstone, greywacke and ironstone

LOWER JURASSIC

13 Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcaniclastic rocks

MESOZOIC

TRIASSIC AND JURASSIC

POST-UPPER TRIASSIC PRE-LOWER JURASSIC

12 Syenite, orthoclase porphyry, monzonite, pyroxenite

HICKMAN BATHOLITH

10 | 11 10. Hornblende granodiorite, minor hornblende-quartz diorite 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite

TRIASSIC

UPPER TRIASSIC

9 Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)

8 Augite-andesite flows, pyroclastic rocks, derived volcaniclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate

7 Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomictic siltstone, greywacke, volcanic conglomerate, and minor limestone

6 Limestone, fetid argillaceous limestone, calcareous shale and reefoid limestone; may be in part younger than some 7 and 8

5 Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone

MIDDLE TRIASSIC

4 Shale, concretionary black shale; minor calcareous shale and siltstone

PALEOZOIC

PERMIAN

MIDDLE AND UPPER PERMIAN

3 Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff

PERMIAN AND OLDER

2 Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone

MISSISSIPPIAN

1 Limestone, crinoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite

B Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic

A Ultramafic rocks; peridotite, dunite, serpentinite; age unknown, probably pre-Lower Jurassic

Geological boundary (defined and approximate, assumed) .....

Bedding (horizontal, inclined, vertical, overturned) .....

Anticline .....

Syncline .....

Fault (defined and approximate, assumed) .....

Thrust fault, teeth on hanging-wall side (defined and approximate, assumed) .....

Fossil locality ..... F

Mineral property ..... 15

Glacier .....

INDEX TO MINERAL PROPERTIES

## DISCUSSION OF 1991 FIELDWORK

Not enough samples were taken to determine anomalous levels by statistical means. Anomalous levels were determined from past work in the area and discussion with other geoscientists familiar with the region.

Ten pan concentrate, ten silt samples and three rock samples were taken. The three rock samples did not return any values anomalous in base or precious metals. The stream sediments returned values ranging from 143 ppm zinc to 749 ppm zinc. These values are similar to the values returned in the 1990 program. Zinc values in this range are quite common in samples taken from creeks draining shale units.

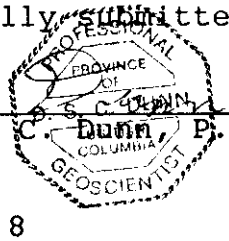
## CONCLUSION

Zinc values in the hundreds of ppm range probably represent high background zinc levels in the black shale unit which underlies the bulk of the property. No other base or precious metals anomalies were detected.

## RECOMMENDATIONS

No further work is recommended on this property at this time.

Respectfully submitted by:




David St. C. Dunn, P. Geo.

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Gabrielse, H. et al, 1971, Department of Energy, Mines and Resources, O.F. 707

Gabrielse, H., Souther, J.G., 1962, Geological Survey of Canada, Map 29-1962 and Descriptive Notes

Souther, J.G., 1971, Telegraph Creek Map Area Paper 71-44

Waskett-Myers., Graf, C., 1990, Geological Report on Stikine Gold Project

# APPENDIX "A"

# ASSAY CERTIFICATES

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

# Geochemical Analysis Certificate

1V-0964-RG1

Company: ACTIVE MINERALS LTD.
Project: STIKINE GOLD SYNDICATE BAT-1
Attn: DAVID DUNN

Date: SEP-06-91
Copy 1. ACTIVE MINERALS, VANCOUVER, B.C.

***We hereby certify*** the following Geochemical Analysis of 3 ROCK samples submitted AUG-30-91 by DAVID DUNN.

| Sample Number | AU-FIRE PPB | AG PPM | CU PPM | PB PPM | ZN PPM |
|---|---|---|---|---|---|
| 1-00126 | 1 | 0.1 | 17 | 11 | 13 |
| 1-00270 | 2 | 1.3 | 10 | 17 | 94 |
| 1-00275 | 1 | 1.7 | 22 | 20 | 89 |

***Certified by*** _____

MIN-EN LABORATORIES

COMP: ACTIVE MINERALS LTD.
PROJ: STIKINE GOLD SYNDICATE BAT-1
ATTN: C.GRAF/D.DUNN

# MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-0964-LJ1
DATE: 91/09/06
* SILT * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL PPM | AS PPM | B PPM | BA PPM | BE PPM | BI PPM | CA PPM | CD PPM | CO PPM | CU PPM | FE PPM | K PPM | LI PPM | MG PPM | MN PPM | MO PPM | NA PPM | NI PPM | P PPM | PB PPM | SB PPM | SR PPM | TH PPM | TI PPM | V PPM | ZN PPM | GA PPM | SN PPM | W PPM | CR PPM | AU-FIRE PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-00115 | .5 | 17110 | 12 | 3 | 161 | 1.4 | 4 | 4960 | 8.1 | 18 | 52 | 34520 | 3700 | 9 | 4920 | 1228 | 9 | 430 | 31 | 1170 | 21 | 1 | 23 | 1 | 313 | 69.4 | 510 | 1 | 1 | 1 | 11 | 2 |
| 1-00117 | .3 | 13100 | 11 | 2 | 333 | 1.1 | 4 | 4980 | 1.5 | 10 | 36 | 29980 | 3190 | 12 | 4390 | 581 | 4 | 480 | 15 | 1020 | 22 | 1 | 37 | 1 | 214 | 58.7 | 323 | 1 | 1 | 1 | 10 | 1 |
| 1-00119 | .3 | 11780 | 11 | 1 | 1035 | .9 | 3 | 7520 | 6.6 | 9 | 56 | 32730 | 2890 | 6 | 3530 | 752 | 27 | 450 | 63 | 880 | 27 | 3 | 27 | 1 | 151 | 106.8 | 749 | 1 | 1 | 1 | 8 | 1 |
| 1-00121 | .1 | 20630 | 1 | 3 | 549 | 1.2 | 5 | 11410 | .1 | 18 | 60 | 51510 | 3760 | 24 | 6440 | 823 | 1 | 360 | 8 | 1360 | 23 | 1 | 37 | 1 | 356 | 62.6 | 143 | 1 | 1 | 1 | 9 | 11 |
| 1-00123 | .1 | 18930 | 1 | 1 | 606 | 1.2 | 4 | 9570 | .1 | 14 | 53 | 41220 | 3810 | 18 | 5740 | 757 | 4 | 340 | 17 | 1150 | 21 | 1 | 34 | 1 | 225 | 66.6 | 260 | 1 | 1 | 1 | 9 | 20 |
| 1-00125 | .4 | 20020 | 1 | 1 | 212 | .7 | 11 | 8960 | .1 | 17 | 40 | 48920 | 3100 | 11 | 9000 | 1003 | 5 | 510 | 20 | 1160 | 16 | 1 | 22 | 1 | 1844 | 137.2 | 433 | 1 | 2 | 2 | 12 | 3 |
| 1-00272 | .5 | 23240 | 1 | 1 | 178 | .9 | 12 | 8830 | 3.1 | 23 | 58 | 59360 | 2890 | 10 | 10680 | 1491 | 14 | 550 | 39 | 1380 | 23 | 1 | 23 | 1 | 1722 | 175.0 | 741 | 1 | 1 | 2 | 12 | 21 |
| 1-00274 | .9 | 31740 | 1 | 1 | 129 | .1 | 31 | 13540 | .1 | 35 | 28 | 81240 | 2290 | 13 | 19510 | 2066 | 1 | 140 | 1 | 1190 | 4 | 1 | 25 | 1 | 6043 | 226.4 | 149 | 1 | 4 | 3 | 6 | 5 |
| 1-00278 | .4 | 25150 | 1 | 1 | 152 | .4 | 18 | 11300 | .1 | 24 | 51 | 70320 | 2170 | 13 | 15710 | 1171 | 9 | 420 | 23 | 1390 | 15 | 1 | 23 | 1 | 3384 | 206.5 | 634 | 1 | 3 | 3 | 11 | 2 |
| 1-00279 | .5 | 21340 | 1 | 1 | 237 | .5 | 17 | 10070 | .1 | 22 | 47 | 62030 | 1800 | 13 | 13070 | 1119 | 8 | 540 | 18 | 1320 | 18 | 1 | 20 | 1 | 2780 | 167.6 | 511 | 1 | 2 | 3 | 10 | 10 |

COMP: ACTIVE MINERALS LTD.
PROJ: STIKINE GOLD SYNDICATE BAT-1
ATTN: C.GRAF/D.DUNN

# MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-0964-PJ1
DATE: 91/09/06
* PAN CONCENTRATES * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL PPM | AS PPM | B PPM | BA PPM | BE PPM | BI PPM | CA PPM | CD PPM | CO PPM | CU PPM | FE PPM | K PPM | LI PPM | MG PPM | MN PPM | MO PPM | NA PPM | NI PPM | P PPM | PB PPM | SB PPM | SR PPM | TH PPM | TI PPM | V PPM | ZN PPM | GA PPM | SN PPM | W PPM | CR PPM | AU-FIRE PPB | WT-GM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-00114 | .5 | 16820 | 2 | 4 | 1489 | 1.2 | 8 | 5550 | 3.9 | 14 | 49 | 46870 | 2960 | 11 | 6380 | 654 | 7 | 470 | 15 | 1270 | 15 | 1 | 35 | 1 | 1126 | 95.2 | 546 | 1 | 1 | 2 | 14 | 5 | 31.31 |
| 1-00116 | .2 | 14220 | 2 | 1 | 1230 | 1.0 | 4 | 4150 | .4 | 9 | 34 | 30070 | 3640 | 13 | 4970 | 406 | 3 | 450 | 14 | 880 | 16 | 1 | 39 | 1 | 290 | 61.7 | 308 | 1 | 1 | 1 | 11 | 4 | 33.65 |
| 1-00118 | .4 | 11540 | 2 | 1 | 2117 | .7 | 11 | 6830 | 2.8 | 14 | 45 | 50860 | 2770 | 8 | 4300 | 631 | 21 | 140 | 40 | 910 | 17 | 1 | 38 | 1 | 1699 | 103.2 | 651 | 1 | 2 | 1 | 10 | 3 | 35.84 |
| 1-00120 | .1 | 22010 | 1 | 2 | 441 | 1.3 | 7 | 13460 | .1 | 23 | 63 | 75960 | 3780 | 27 | 7780 | 857 | 1 | 120 | 7 | 1300 | 20 | 1 | 40 | 1 | 731 | 84.1 | 303 | 1 | 1 | 1 | 10 | 14 | 33.78 |
| 1-00122 | .1 | 21200 | 1 | 1 | 766 | 1.4 | 5 | 10680 | .1 | 15 | 50 | 51690 | 4090 | 22 | 7030 | 679 | 2 | 140 | 11 | 1170 | 19 | 1 | 37 | 1 | 449 | 79.3 | 260 | 1 | 1 | 1 | 11 | 8 | 47.95 |
| 1-00124 | 1.2 | 20470 | 1 | 1 | 512 | .2 | 22 | 10890 | .1 | 23 | 37 | 70900 | 2120 | 13 | 12900 | 863 | 3 | 170 | 8 | 1250 | 12 | 1 | 22 | 1 | 4107 | 201.0 | 418 | 1 | 3 | 3 | 13 | 6 | 32.11 |
| 1-00271 | 1.4 | 24280 | 1 | 1 | 342 | .1 | 39 | 10930 | .1 | 38 | 51 | 113800 | 1820 | 14 | 18130 | 1502 | 5 | 170 | 13 | 1300 | 4 | 1 | 20 | 1 | 7641 | 267.3 | 639 | 1 | 5 | 5 | 24 | 4 | 17.59 |
| 1-00273 | 1.5 | 33240 | 1 | 1 | 86 | .1 | 42 | 14900 | .1 | 37 | 31 | 106230 | 1220 | 14 | 26840 | 1529 | 1 | 110 | 1 | 1290 | 1 | 1 | 15 | 1 | 8255 | 317.8 | 148 | 1 | 5 | 5 | 7 | 3 | 20.99 |
| 1-00276 | 1.1 | 23850 | 1 | 1 | 236 | .1 | 30 | 11020 | .1 | 30 | 44 | 91300 | 1620 | 13 | 17680 | 1170 | 5 | 130 | 12 | 1320 | 8 | 1 | 20 | 1 | 5642 | 240.7 | 536 | 1 | 4 | 4 | 14 | 3 | 37.99 |
| 1-00277 | .5 | 22620 | 1 | 1 | 347 | .2 | 24 | 10890 | .1 | 25 | 43 | 77760 | 1280 | 14 | 16230 | 1017 | 4 | 130 | 10 | 1320 | 10 | 1 | 20 | 1 | 4215 | 209.6 | 460 | 1 | 4 | 3 | 12 | 7 | 47.44 |

# APPENDIX "B"

# SAMPLING METHODOLOGY

## SAMPLING METHODOLOGY

### ROCK SAMPLES

Approximately 5 kg of rock chips were placed in a 6 mil plastic bag with a sample tag; the bag was marked with the tag number and the samples shipped to Min-En Laboratories in North Vancouver.

### SILT SAMPLES

Approximately 0.5 kg of fine sediment was collected from the active stream channel, placed in a standard kraft bag with a sample tag and the tag number written on the bag. The sample was then dried and shipped to Min-En Laboratories in North Vancouver.

### SOIL SAMPLES

Approximately 0.5 kg of B horizon soil was collected from 10 cm to 25 cm depth, put in a standard kraft bag with a sample tag and the tag number written on the bag. The sample was then dried and shipped to Min-En Laboratories in North Vancouver.

### PAN CONCENTRATE SAMPLES

Two pans of material were collected from the active stream channel, sieved to -1.25 cm and panned to a black sand concentrate. One pan of moss was washed with the resulting residue panned to a black sand concentrate. These concentrates were combined and placed in a 6 mil plastic bag with a sample tag. The bag was labelled with the tag number and shipped to Min-En Laboratories in North Vancouver.

# APPENDIX "C"

# STATEMENT OF QUALIFICATIONS

## STATEMENT OF QUALIFICATIONS

I, David St. Clair Dunn, with a business address of 2348 Palmerston Avenue, West Vancouver, B.C. declare that:

1. I am a Professional Geoscientist registered under the Professional Engineers and Geoscientists Act of the Province of British Columbia.

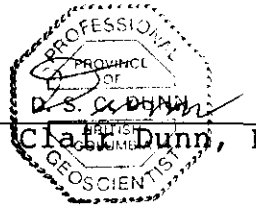
2. I am a Fellow of the Geological Association of Canada.

3. I am an affiliate member of the Association of Exploration Geochemists.

4. I have practised my profession as a prospector and geologist in Canada, U.S.A. and Australia for over 20 years.

5. I personally supervised the work on the Bat claims.

6. I do not hold any interest in the Bat claims nor do I expect to receive any.




David St. Clair Dunn, P. Geo.

# APPENDIX "D"

# STATEMENT OF COSTS

## STATEMENT OF COSTS

| | | | |
|---|---|---|---|
| Project Preparation | | | $ 87.23 |
| Mob Demob | | | 463.21 |
| Project Expenses: | | | |
| Wages: D. Dunn 1.5 days @ $250/day + GST (August 24 & 26, 1991) | | | 401.25 |
| B. Goad 1.5 days @ $150/day + GST (August 24 & 26, 1991) | | | 240.75 |
| Room and Board | | | 216.70 |
| Helicopter | | | 1,467.83 |
| Truck Rental | | | 189.11 |
| Analytical charges: | 3 rocks | 55.50 | |
| | 10 silts | 145.00 | |
| | 10 pan con | 160.00 | |
| | | 360.50 | 360.50 |
| Report preparation | | | 600.00 |

**TOTAL** ==========> $ 4,026.38

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D. S. DUNN GEOSCIENTIST

# APPENDIX "E"

# ANALYTICAL METHODS

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

# ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

## PROCEDURE FOR AU, PT OR PD FIRE GEOCHEM

Geochemical samples for Au Pt Pd are processed by Min-En Laboratories, at 705 West 15th St., North Vancouver, B.C., laboratory employing the following procedures:

After drying the samples at 95 C, soil and stream sediment Samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer or ring mill pulverizer.

A suitable sample weight; 15.00 or 30.00 grams is fire assay preconcentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR AG, CU, PB, ZN, NI, CO OR CD GEOCHEM

Samples are processed by Min-En Laboratories at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analysed on atomic absorption spectrometers using the appropriate standard sets. A background correction can be applied to Ag, Pb, and Cd if requested.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR 31 ELEMENT TRACE ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni P, Pb, Sb,
Sr, Th, Ti, V, Zn Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

0.5 gram of the sample is digested for 2 hours with an aqua regia mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

130° 22' W

BAT 1
6752

276P (536, 44, 8, 1.1, 3)
278S (634, 51, 15, 0.4, 2)

275R (89, 22, 1, 1.7, 1)
273P (148, 31, 1, 1.5, 3)
274S (149, 28, 25, 0.9, 5)
270R (94, 10, 17, 1.3, 2)
271P (639, 51, 4, 1.4, 4)
271S (741, 58, 23, 0.5, 21)

277P (460, 49, 10, 0.5, 7)
279S (511, 47, 18, 0.5, 10)
54S (381, 18, 17, 1.1, 1)
54P (365, 48, 38, 2.1, 3)
124P (418, 37, 19, 1.2, 6)
125S (433, 40, 16, 0.4, 3)
55S (255, 45, 30, 0.7, 5)
55P (454, 55, 53, 0.4, 4)
122P (260, 50, 19, 0.1, 8)
123S (260, 53, 21, 1.1, 120)
126R (13, 17, 1, 0.1, 1)

52S (107, 49, 30, 1.7, 1)
52P (388, 85, 58, 0.3, 6)
53S (390, 34, 21, 0.5, 2)
53P (388, 39, 40, 1.0, 1)
120P (303, 63, 20, 0.1, 14)
121S (356, 60, 23, 0.1, 20)
57P (792, 27, 22, 3.1, 2)
57S (712, 35, 28, 0.9, 1)
56S (769, 55, 33, 0.9, 1)
56P (483, 32, 43, 0.9, 1)
118P (651, 45, 17, 0.4, 3)
119S (749, 56, 27, 0.3, 1)
58S (570, 48, 29, 1.2, 1)
58P (717, 51, 35, 0.8, 1)
114P (546, 49, 15, 0.5, 5)
115S (510, 52, 21, 0.5, 2)
116P (308, 34, 16, 0.2, 4)
117S (323, 36, 22, 0.3, 1)
59S (338, 32, 30, 0.9, 1)
59P (319, 37, 36, 0.9, 2)

5000 5200 5400 5600 5800 6000 6600 4600

57° 23' N

N

## LEGEND

- gossan zone
- creek
- contours (200 ft interval)
- O 1990 sample
- □ 1991 sample
- 99R rock sample
- 99P pan concentrate sample
- 99S silt sample
- (190, 91, 19, 0.9, 9) geochemistry values (Zn ppm, Cu ppm, Pb ppm, Ag ppm, Au ppb)
- claim boundary with L.C.P.

100 0 100 200 300 400 500
metres

ACTIVE MINERALS LTD.

BAT 1 CLAIM

# Sample Locations

| SCALE | DATE | FIGURE |
|---|---|---|
| 1 : 10000 | Oct. 1991 | 4 |