# Regional Prospecting Report
# Bodine - Vent Project

Omineca Mining Division
93N - 12W/13W
Between 125°48' and 126°00' W Long.
And N55°30' and 55°48' Lat.

Author: L.B.Warren

For: Angel Jade Mines Ltd.
And
L.B.Warren

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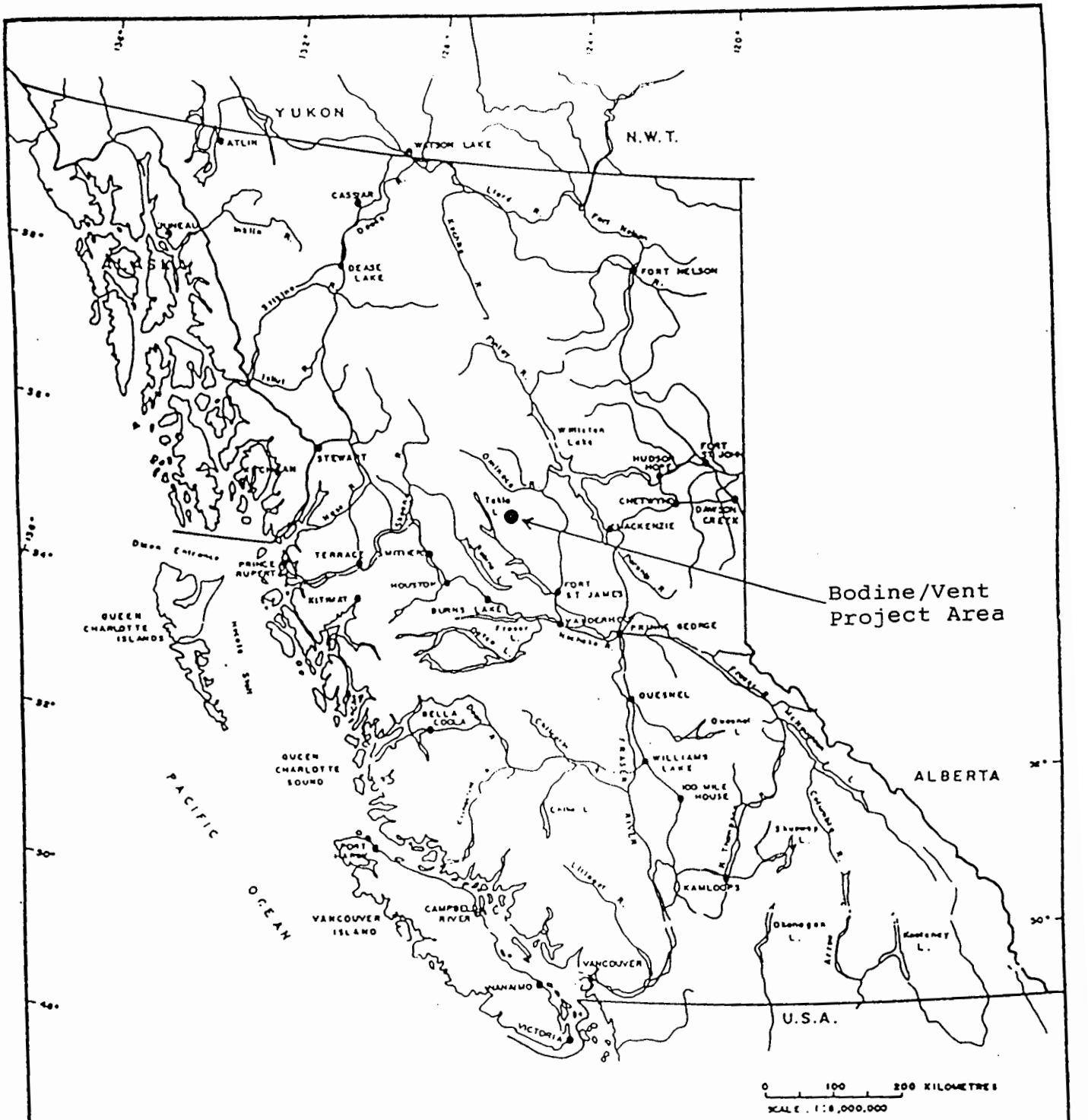
Introduction:

The discovery of the Vent showing, a possible proximal volcanic vent, initiated a program of prospecting of gossans that occur along the eastern felsic / sediment contact of the Sitlika belt of rocks.

Location and Access:

The Sitlika belt of rocks is accessible via various Forest Access Roads from Ft. St. James B.C. A helicopter based at Lovell Cove on Takla lake, 25-30 km west of the belt, was used for setting crews out for day traverses and recon work.




| REVISED | Bodine - Vent Project |
|---|---|
| | Location Map |
| PROJ No. | SURVEY BY: LBW DATE: Oct 95 - 96 |
| N.T.S. | DRAWN BY: LBW SCALE |
| DWG. No. 1 | ANGEL JADE MINES + LORNE B. WARREN OFFICE: |

VANCAL 11927

## HISTORY

1974 - KENNCO EXPLORATION: Geochemical investigation of the area for volcanogenic deposits revealed anomalous Cu and Zn in stream silts from creeks draining felsic volcanic rocks making up the slopes of Mt. Bodine. Follow-up JEM and geologic surveys were apparently discouraging and Kennco allowed the claims to lapse.

1975 - McINTYRE MINES: Staked the Ruth 1-4 claims to cover the Northeast slope of Mt. Bodine. They explored the area as part of a regional airborne EM survey and during geologic mapping discovered the Eureka copper-silver showing.

1978 - SHELL CANADA RESOURCES: Carried out a regional stream silt sampling survey throughout the general area and staked the Skye 1-12 claims to cover some geochemical anomalies.

The result of McIntyre's earlier airborne survey showed a number of EM anomalies on the Skye claims.

1979 - SHELL CANADA RESOURCES: Carried out ground follow-up work including horizontal loop shootback EM, soil sampling and geological mapping. A significant copper soil anomaly was discovered on the Skye 9 claim.

1979 - CANADIAN SUPERIOR EXPLORATION: Optioned the Ruth 1-4 claims from McIntyre Mines but apparently did no fieldwork.

1980 - CANADIAN SUPERIOR: Carried out a detailed geological mapping program. This work showed the Ruth 3 claim to be underlain by argillite on the northeast and felsic volcanics on the southwest. A large gossan zone formed by disseminated pyrite was mapped for 2000m along the contact on strike with the Eureka showing (Watkins, 1980).

1981 - SHELL CANADA RESOURCES: Optioned the Ruth claims and carried out a detailed soil geochemical survey. A significant copper-zinc anomaly, including the Eureka showing was discovered along the gossan zone. A ground Crone horizontal loop shootback EM survey was performed over an attractive airborne anomaly but was negative.

1982 - Claims were allowed to lapse and were staked by the Sitlika Group by C.Graf.

1983 - C. Graf allowed most of the claims to lapse except for 2 units on Mt. Bodine which are still retained to Date.

1985-86 - Noranda staked a large block of ground to cover a series of airborne EM anomalies detected in a AERODAT survey (June 1985).

1989 - Several drill holes drilled by NORANDA EXPLORATION testing various targets in the belt.

1994-95 - L.B.WARREN and associates prospected belt.

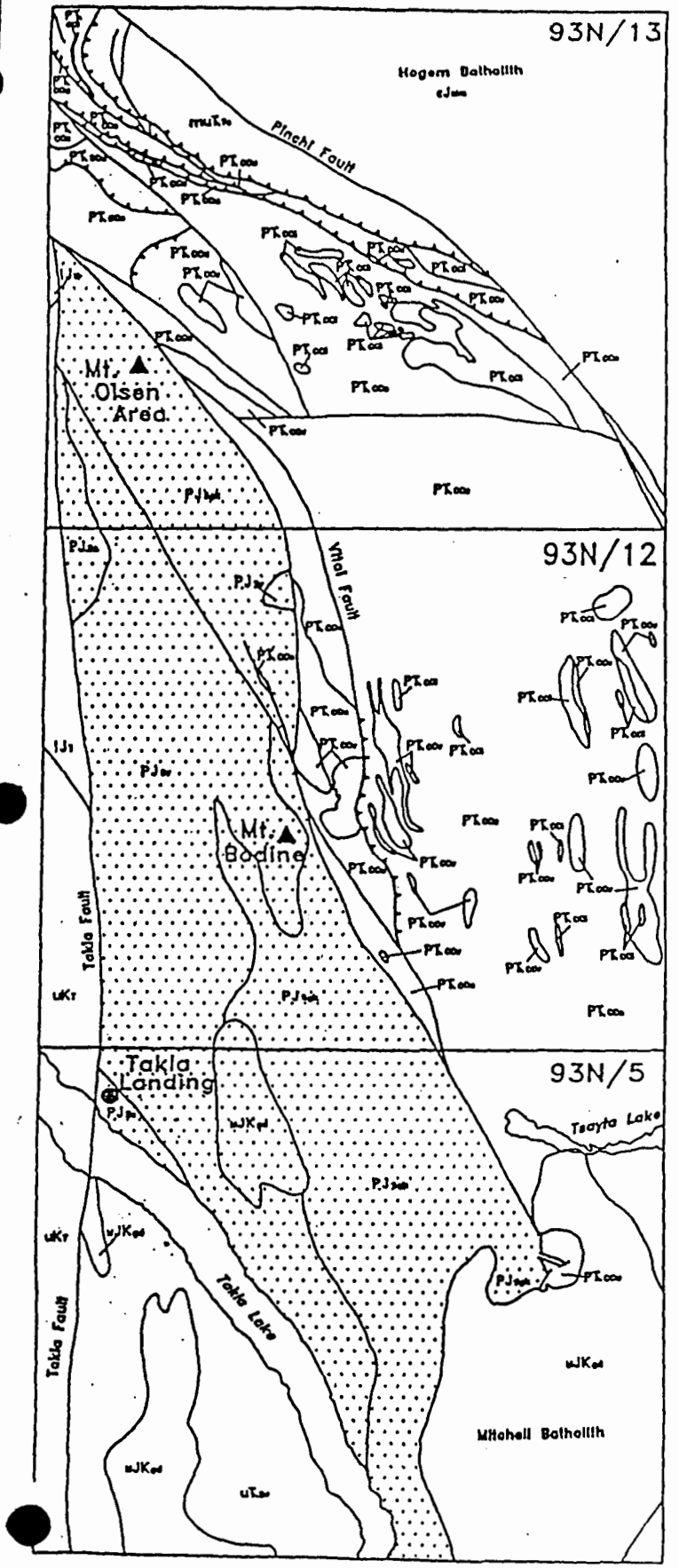
1995 - Vent showing was found and as a result a large group of claims were staked. Prospecting of the eastern belt was undertaken and continues to date.

## CLAIMS AND OWNERSHIP

| CLAIM NAME | UNITS | TENURE # | COMP DATE | OWNER |
|---|---|---|---|---|
| Vent 1-2 | 2 | 338873-74 | Aug. 3/95 | L.B. Warren |
| Vent 3-6 | 80 | 338861-64 | Aug.10/95 | L.B. Warren |
| DI 1-4 | 4 | 331284-87 | Oct. 7/95 | L.B. Warren |
| Diver 1-4 | 64 | 338865-68 | Aug.12/95 | Angel Jade |
| Lika 6-10 | 40 | 338869-72 | Aug.11/95 | Angel Jade |
| Rust 1-2 | 2 | 634826-27 | Aug.16/95 | M.Middleton |
| Fog 1-4 | 4 | 634828-31 | Aug.16/95 | M.Middleton |
| Day 1-4 | 4 | 634832-35 | Aug.16/95 | M.Middleton |
| VMS 1-6 | 6 | 337962-67 | July17/95 | John Mirko |
| VMS 7-10 | 4 | 339789-92 | July17/95 | John Mirko |
| BOD 1-4 | 4 | 633540-43 | April 6/95 | L.B. Warren |
| Source 1-4 | 80 | 232292-95 | Aug.25/95 | L.B. Warren |
| Free 1-2 | 2 | 331565-66 | Oct.10/95 | L.B. Warren |
| Gold | 1 | 331532 | Oct.10/95 | L.B. Warren |

## REGIONAL GEOLOGY

The Vent claims area are underlaid by Upper Triassic to Lower Jurassic volcanic and sedimentary rocks of the Sitlika Assemblage which have been regionally metamorphosed to greenschist facies (Paterson, 1974). This assemblage is composed mainly of well foliated andesitic to rhyolitic pyroclastics and flows with lesser amounts of greywacke, siltstone and phyllite. The Sitlika volcanics are characterized by local development of sericite, quartz-sericite and chlorite schists. The Takla Fault separates the Sitlika rocks from the Tertiary Sustut Group the west. The Permian Cache Creek rocks to the east are separated from the Sitlika by the Vital fault and a serpentinite melange. The Cache Creek Group is bounded to the east by the Pinchi Fault and the Jurrasic Hogem Batholith.




## GEOLOGY OF THE TAKLA LAKE AREA

### LEGEND

**CRETACEOUS**
Sustut Group
- Tango Creek formation

**JURASSIC**
Hazelton Group
- Nilkitwa formation
- Telkwa formation

**TRIASSIC**
- Stuhini Group
- Takla Group

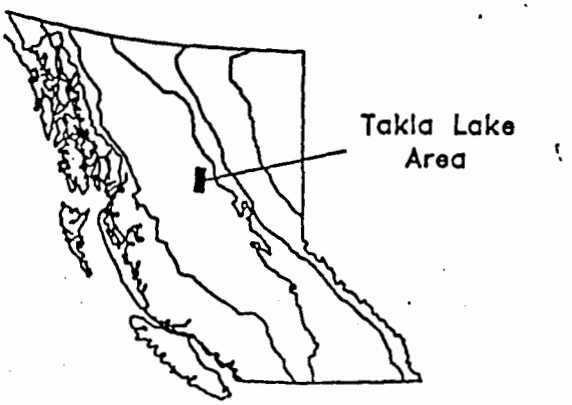
**PERMIAN – JURASSIC**
Sitlika Assemblage
- mafic and felsic volcanics
- greywacke and siltstone
- phyllite and argillite

**PENNSYLVANIAN – TRIASSIC**
Cache Creek Group
- limestone
- mafic volcanics
- sediments
- ultramafics

**JURASSIC – CRETACEOUS**
- granodiorite

**JURASSIC**
- Hogem Batholith

0 4 8 12 16
Kilometres




*Simplified from Mineral Potential Compilation – Northeast BC Project. Compilation by K. Bellefontaine, Jan/93

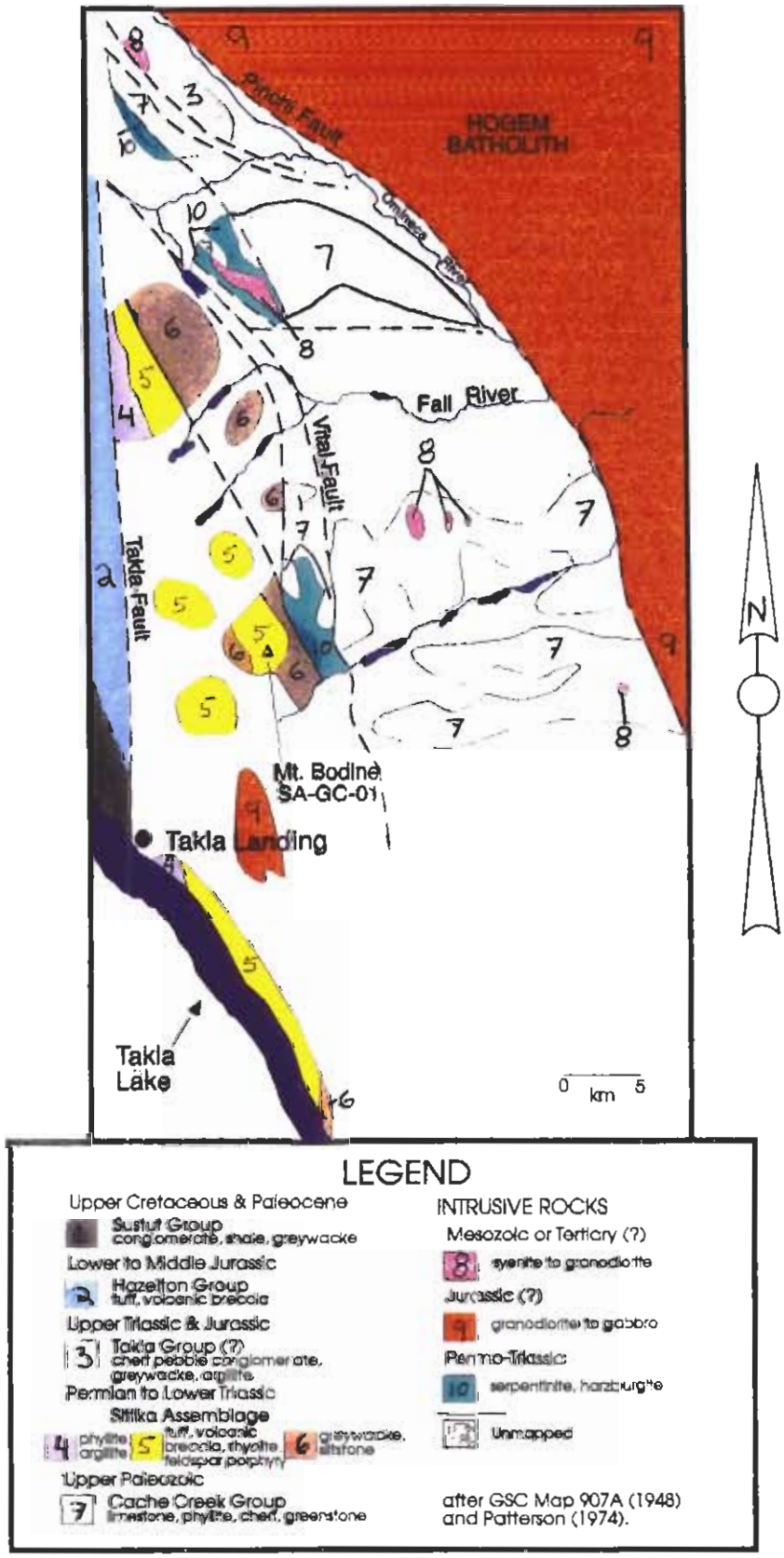



Figure 8. Generalized geology of the Sitlika Assemblage, showing location of sample dated by U-Pb geochronology.

## 1995 TAKLA LAKE AREA PROJECT - SILT AND SOIL SAMPLE DATA

Compilation of SX data on Vent-Diver-Bod Property

file: SX-Sitlika-Warren.xls Property Owner: Lorne Warren

| | SX Sample | Map No. 1:20,000 | UTM - Easting | Location Northing | zone | SX Type | Au ppb | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 134990 | 93N.061 | 318280 | 6171160 | 10 | silt | <5 | <0.2 | 1.87 | 8 | 90 | <0.5 | 2 | 0.70 | 1 | 17 | 57 | 31 | 3.76 | <10 | <1 | 0.06 |
| 2 | 134991 | 93N.061 | 318510 | 6170970 | 10 | silt | <5 | <0.2 | 1.62 | 16 | 90 | <0.5 | 4 | 0.70 | 0.5 | 16 | 49 | 32 | 3.42 | <10 | <1 | 0.05 |
| 3 | 134992 | 93N.061 | 318520 | 6171050 | 10 | silt | <5 | <0.2 | 1.85 | 32 | 120 | <0.5 | 2 | 0.81 | 1 | 19 | 62 | 41 | 4.52 | <10 | <1 | 0.06 |
| 4 | 190878 | 93N.061 | 320400 | 6174960 | 10 | silt | <5 | <0.2 | 1.64 | 8 | 110 | <0.5 | 6 | 0.66 | 0.5 | 16 | 37 | 24 | 3.66 | <10 | <1 | 0.04 |
| 5 | 190879 | 93N.042 | 330630 | 6144920 | 10 | silt | <5 | <0.2 | 3.04 | 12 | 30 | <0.5 | <2 | 0.60 | <0.5 | 18 | 71 | 82 | 4.99 | <10 | 1 | 0.21 |
| 6 | 190880 | 93N.061 | 320540 | 6175090 | 10 | soil | <5 | <0.2 | 2.39 | 6 | 180 | <0.5 | <2 | 0.23 | <0.5 | 7 | 35 | 20 | 4.07 | <10 | <1 | 0.07 |
| 7 | 190881 | 93N.061 | 320580 | 6175130 | 10 | soil | <5 | <0.2 | 2.02 | 6 | 160 | <0.5 | <2 | 0.27 | <0.5 | 7 | 31 | 16 | 2.72 | <10 | 1 | 0.04 |
| 8 | 190882 | 93N.061 | 320620 | 6175160 | 10 | soil | <5 | <0.2 | 1.46 | 6 | 180 | <0.5 | <2 | 0.38 | <0.5 | 6 | 29 | 14 | 2.39 | <10 | <1 | 0.04 |
| 9 | 190883 | 93N.061 | 320680 | 6175190 | 10 | soil | <5 | <0.2 | 1.71 | 4 | 150 | <0.5 | <2 | 0.26 | <0.5 | 6 | 26 | 16 | 2.33 | <10 | <1 | 0.03 |
| 10 | 190884 | 93N.061 | 320700 | 6175220 | 10 | soil | <5 | <0.2 | 1.30 | 4 | 100 | <0.5 | <2 | 0.20 | <0.5 | 3 | 24 | 10 | 2.25 | <10 | <1 | 0.05 |
| 11 | 190885 | 93N.061 | 320740 | 6175260 | 10 | soil | 175 | <0.2 | 1.11 | 2 | 80 | <0.5 | <2 | 0.22 | <0.5 | 3 | 23 | 5 | 1.56 | <10 | <1 | 0.02 |
| 12 | 190886 | 93N.061 | 320780 | 6175300 | 10 | soil | <5 | <0.2 | 2.13 | 4 | 90 | <0.5 | <2 | 0.20 | <0.5 | 6 | 57 | 12 | 1.91 | 10 | <1 | 0.04 |
| 13 | 190887 | 93N.061 | 320840 | 6175350 | 10 | silt | 80 | <0.2 | 1.26 | 16 | 90 | <0.5 | <2 | 0.55 | <0.5 | 23 | 290 | 28 | 3.75 | <10 | <1 | 0.05 |
| 14 | 190888 | 93N.061 | 320910 | 6175410 | 10 | soil | <5 | <0.2 | 1.46 | 6 | 140 | <0.5 | <2 | 0.26 | <0.5 | 10 | 29 | 20 | 2.85 | <10 | <1 | 0.03 |
| 15 | 190889 | 93N.061 | 320950 | 6175450 | 10 | soil | <5 | <0.2 | 1.73 | 8 | 130 | <0.5 | <2 | 0.24 | <0.5 | 7 | 29 | 15 | 2.84 | <10 | <1 | 0.03 |
| 16 | 190890 | 93N.061 | 320980 | 6175490 | 10 | soil | <5 | <0.2 | 1.78 | 12 | 210 | <0.5 | <2 | 0.31 | <0.5 | 13 | 27 | 18 | 3.42 | <10 | <1 | 0.04 |
| 17 | 190891 | 93N.061 | 321020 | 6175520 | 10 | soil | <5 | <0.2 | 2.09 | 4 | 130 | <0.5 | <2 | 0.19 | <0.5 | 8 | 32 | 16 | 2.89 | <10 | <1 | 0.04 |
| 18 | 190892 | 93N.061 | 321050 | 6175550 | 10 | soil | <5 | <0.2 | 1.89 | 6 | 130 | <0.5 | <2 | 0.24 | <0.5 | 7 | 29 | 15 | 2.64 | <10 | <1 | 0.03 |
| 19 | 190893 | 93N.061 | 321100 | 6175590 | 10 | soil | <5 | <0.2 | 2.04 | 10 | 140 | <0.5 | <2 | 0.20 | <0.5 | 6 | 29 | 15 | 2.96 | <10 | <1 | 0.03 |
| 20 | 190894 | 93N.061 | 321130 | 6175620 | 10 | soil | <5 | <0.2 | 1.40 | 10 | 140 | <0.5 | <2 | 0.22 | <0.5 | 6 | 27 | 15 | 3.11 | <10 | <1 | 0.04 |
| 21 | 190895 | 93N.061 | 321170 | 6175650 | 10 | soil | <5 | <0.2 | 1.52 | 6 | 150 | <0.5 | <2 | 0.23 | <0.5 | 6 | 28 | 13 | 2.31 | <10 | <1 | 0.02 |
| 22 | 190896 | 93N.061 | 321200 | 6175690 | 10 | soil | <5 | <0.2 | 1.92 | 4 | 270 | <0.5 | <2 | 0.49 | <0.5 | 7 | 32 | 25 | 2.69 | <10 | <1 | 0.04 |
| 23 | 190942 | 93N.061 | 320710 | 6167690 | 10 | silt | <5 | <0.2 | 2.02 | 2 | 60 | <0.5 | <2 | 0.52 | <0.5 | 18 | 52 | 24 | 4.37 | <10 | <1 | 0.06 |
| 24 | 190943 | 93N.061 | 320810 | 6167730 | 10 | silt | <5 | 0.2 | 2.05 | 4 | 180 | <0.5 | <2 | 0.92 | 0.5 | 22 | 51 | 20 | 5.07 | <10 | <1 | 0.06 |
| 25 | 190944 | 93N.061 | 320970 | 6168100 | 10 | silt | <5 | <0.2 | 1.65 | 4 | 130 | <0.5 | <2 | 0.48 | <0.5 | 19 | 38 | 16 | 4.10 | <10 | <1 | 0.09 |

Compilation of SX data on Vent-Diver-Bod Property

file: SX-Sitlika-Warren.xls Property Owner: Lorne Warren

| | SX | La | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Ti | Tl | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 1 | 134990 | 10 | 0.53 | 7080 | 1 | 0.02 | 32 | 750 | 6 | 4 | 7 | 126 | 0.05 | <10 | <10 | 64 | 10 | 78 |
| 2 | 134991 | <10 | 0.41 | 7550 | 1 | 0.01 | 26 | 610 | 4 | 4 | 5 | 57 | 0.05 | <10 | 10 | 52 | 10 | 60 |
| 3 | 134992 | <10 | 1.07 | 5360 | 3 | 0.01 | 38 | 680 | 6 | 2 | 6 | 47 | 0.20 | <10 | <10 | 81 | 10 | 78 |
| 4 | 190878 | <10 | 1.09 | 2110 | <1 | <0.01 | 24 | 690 | 2 | <2 | 6 | 23 | 0.18 | <10 | <10 | 80 | <10 | 90 |
| 5 | 190879 | <10 | 2.48 | 715 | <1 | <0.01 | 36 | 1150 | 2 | 2 | 6 | 43 | 0.21 | <10 | <10 | 88 | <10 | 100 |
| 6 | 190880 | <10 | 0.53 | 310 | 1 | <0.01 | 20 | 790 | 6 | <2 | 4 | 22 | 0.12 | <10 | <10 | 95 | <10 | 104 |
| 7 | 190881 | <10 | 0.52 | 245 | <1 | <0.01 | 22 | 520 | 6 | <2 | 4 | 24 | 0.12 | <10 | <10 | 65 | <10 | 72 |
| 8 | 190882 | <10 | 0.44 | 290 | <1 | 0.01 | 17 | 370 | 4 | <2 | 4 | 38 | 0.11 | <10 | <10 | 63 | <10 | 50 |
| 9 | 190883 | <10 | 0.39 | 240 | <1 | 0.01 | 18 | 370 | 4 | <2 | 4 | 29 | 0.09 | <10 | <10 | 56 | <10 | 46 |
| 10 | 190884 | <10 | 0.29 | 185 | <1 | <0.01 | 11 | 1030 | 6 | <2 | 3 | 17 | 0.08 | <10 | <10 | 69 | <10 | 54 |
| 11 | 190885 | <10 | 0.36 | 175 | <1 | 0.01 | 8 | 180 | 6 | <2 | 2 | 25 | 0.16 | <10 | <10 | 54 | <10 | 42 |
| 12 | 190886 | <10 | 0.57 | 195 | <1 | <0.01 | 13 | 480 | 6 | <2 | 4 | 15 | 0.31 | <10 | <10 | 108 | <10 | 46 |
| 13 | 190887 | <10 | 2.79 | 815 | <1 | <0.01 | 219 | 580 | 4 | <2 | 7 | 29 | 0.16 | <10 | <10 | 79 | <10 | 76 |
| 14 | 190888 | <10 | 0.34 | 355 | 1 | 0.01 | 20 | 480 | 4 | <2 | 4 | 31 | 0.10 | <10 | <10 | 63 | <10 | 66 |
| 15 | 190889 | <10 | 0.34 | 385 | <1 | <0.01 | 16 | 760 | 6 | <2 | 4 | 24 | 0.12 | <10 | <10 | 67 | <10 | 70 |
| 16 | 190890 | <10 | 0.29 | 1005 | 1 | 0.01 | 16 | 1180 | 8 | <2 | 4 | 35 | 0.10 | <10 | <10 | 75 | <10 | 94 |
| 17 | 190891 | <10 | 0.4 | 250 | 1 | <0.01 | 19 | 600 | 6 | <2 | 4 | 21 | 0.11 | <10 | <10 | 69 | <10 | 78 |
| 18 | 190892 | <10 | 0.39 | 250 | 1 | <0.01 | 18 | 520 | 6 | <2 | 4 | 24 | 0.11 | <10 | <10 | 59 | <10 | 68 |
| 19 | 190893 | <10 | 0.4 | 300 | <1 | 0.01 | 18 | 520 | 6 | <2 | 4 | 25 | 0.10 | <10 | <10 | 61 | <10 | 74 |
| 20 | 190894 | <10 | 0.36 | 365 | 1 | <0.01 | 17 | 740 | 4 | <2 | 3 | 26 | 0.07 | <10 | <10 | 72 | <10 | 76 |
| 21 | 190895 | <10 | 0.33 | 205 | <1 | <0.01 | 16 | 510 | 4 | <2 | 3 | 24 | 0.09 | <10 | <10 | 58 | <10 | 74 |
| 22 | 190896 | 10 | 0.46 | 510 | 1 | 0.01 | 21 | 590 | 6 | <2 | 5 | 45 | 0.05 | <10 | <10 | 65 | <10 | 100 |
| 23 | 190942 | <10 | 1.72 | 1220 | <1 | 0.01 | 27 | 540 | 2 | 2 | 6 | 18 | 0.24 | <10 | <10 | 78 | <10 | 92 |
| 24 | 190943 | 10 | 0.92 | 2850 | 2 | 0.01 | 32 | 790 | 8 | 2 | 8 | 39 | 0.13 | <10 | <10 | 75 | <10 | 124 |
| 25 | 190944 | 10 | 1.23 | 3560 | 1 | 0.01 | 22 | 570 | 4 | 4 | 6 | 17 | 0.18 | <10 | <10 | 62 | <10 | 110 |

Compilation of SX data on Vent-Diver-Bod Property

file: SX-Sitlika-Warren.xls Property Owner: Lorne Warren

| | SX | Map No. | UTM - | Location | | SX | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | 1:20,000 | Easting | Northing | zone | Type | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % |
| 26 | 190945 | 93N.061 | 322910 | 6168110 | 10 | silt | <5 | 0.2 | 1.15 | 14 | 40 | <0.5 | <2 | 0.21 | 1 | 10 | 14 | 16 | 3.18 | <10 | <1 | 0.08 |
| 27 | 190946 | 93N.061 | 322890 | 6168060 | 10 | silt | <5 | 0.2 | 2.00 | 38 | 110 | <0.5 | <2 | 0.28 | 5 | 20 | 35 | 48 | 4.58 | <10 | <1 | 0.04 |
| 28 | 190947 | 93N.061 | 322850 | 6168050 | 10 | silt | <5 | 0.2 | 1.21 | 10 | 70 | <0.5 | <2 | 0.37 | 0.5 | 8 | 13 | 14 | 2.71 | <10 | <1 | 0.11 |
| 29 | 190948 | 93N.061 | 322490 | 6167900 | 10 | silt | <5 | 0.2 | 2.10 | 14 | 70 | <0.5 | <2 | 0.45 | 0.5 | 10 | 28 | 28 | 3.06 | <10 | <1 | 0.08 |
| 30 | 190949 | 93N.061 | 322410 | 6167370 | 10 | silt | <5 | 0.2 | 1.65 | 12 | 70 | <0.5 | <2 | 0.44 | 1 | 12 | 14 | 23 | 3.20 | <10 | <1 | 0.12 |
| 31 | 190950 | 93N.061 | 322160 | 6167020 | 10 | silt | <5 | 0.2 | 2.03 | 20 | 70 | <0.5 | <2 | 0.59 | 0.5 | 15 | 20 | 37 | 4.30 | <10 | <1 | 0.13 |
| 32 | 190951 | 93N.061 | 323290 | 6168240 | 10 | silt | <5 | <0.2 | 1.12 | 22 | 70 | <0.5 | <2 | 0.24 | 1.5 | 14 | 17 | 37 | 3.90 | <10 | <1 | 0.09 |
| 33 | 190952 | 93N.061 | 323380 | 6166370 | 10 | silt | <5 | 0.2 | 1.54 | 4 | 140 | <0.5 | <2 | 0.57 | 1 | 16 | 31 | 39 | 3.70 | <10 | <1 | 0.1 |
| 34 | 190953 | 93N.061 | 323520 | 6168920 | 10 | silt | <5 | <0.2 | 1.86 | 38 | 40 | <0.5 | <2 | 0.79 | <0.5 | 37 | 648 | 59 | 4.81 | <10 | <1 | 0.07 |
| 35 | 190954 | 93N.061 | 323440 | 6168880 | 10 | silt | <5 | <0.2 | 1.31 | 12 | 70 | <0.5 | <2 | 0.46 | 1 | 20 | 232 | 41 | 3.87 | <10 | <1 | 0.09 |
| 36 | 190955 | 93N.061 | 323040 | 6169480 | 10 | silt | <5 | 0.2 | 1.53 | 2 | 80 | <0.5 | <2 | 0.57 | 0.5 | 14 | 24 | 21 | 3.90 | <10 | <1 | 0.06 |
| 37 | 190956 | 93N.061 | 322290 | 6169630 | 10 | silt | <5 | 0.2 | 1.69 | 14 | 100 | <0.5 | <2 | 0.60 | 1 | 22 | 207 | 51 | 4.25 | <10 | <1 | 0.09 |
| 38 | 190957 | 93N.061 | 322810 | 6169890 | 10 | silt | <5 | <0.2 | 1.55 | 2 | 70 | <0.5 | <2 | 0.67 | 0.5 | 11 | 26 | 24 | 3.61 | <10 | <1 | 0.07 |
| 39 | 212514 | 93N.061 | 317690 | 6173310 | 10 | silt | <5 | <0.2 | 1.26 | 16 | 80 | <0.5 | <2 | 0.48 | <0.5 | 24 | 308 | 34 | 5.16 | <10 | <1 | 0.06 |
| 40 | 212515 | 93N.071 | 324080 | 6180420 | 10 | silt | <5 | <0.2 | 1.27 | 12 | 270 | <0.5 | <2 | 1.57 | 0.5 | 12 | 68 | 31 | 3.34 | <10 | <1 | 0.06 |
| 41 | 212516 | 93N.071 | 323290 | 6180050 | 10 | silt | <5 | 0.2 | 1.56 | 6 | 170 | <0.5 | 4 | 0.86 | <0.5 | 12 | 42 | 33 | 3.69 | <10 | <1 | 0.08 |
| 42 | 212517 | 93N.071 | 320870 | 6177400 | 10 | silt | <5 | <0.2 | 1.68 | 8 | 150 | <0.5 | <2 | 1.02 | <0.5 | 14 | 38 | 38 | 3.56 | <10 | <1 | 0.09 |
| 43 | 212518 | 93N.071 | 320670 | 6176860 | 10 | silt | <5 | <0.2 | 1.58 | 8 | 150 | <0.5 | <2 | 1.00 | <0.5 | 12 | 36 | 32 | 3.43 | <10 | <1 | 0.07 |
| 44 | 212519 | 93N.071 | 320490 | 6176710 | 10 | silt | <5 | <0.2 | 1.51 | 8 | 140 | <0.5 | <2 | 0.84 | <0.5 | 13 | 39 | 21 | 3.48 | <10 | 1 | 0.06 |

Compilation of SX data on Vent-Diver-Bod Property

file: SX-Sitlika-Warren.xls Property Owner: Lorne Warren

| | SX | La | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Ti | Tl | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 26 | 190945 | 10 | 0.68 | 1385 | 2 | <0.01 | 12 | 500 | 24 | 2 | 4 | 11 | 0.03 | <10 | <10 | 27 | <10 | 250 |
| 27 | 190946 | 10 | 1.02 | 2370 | 2 | <0.01 | 33 | 860 | 138 | 2 | 6 | 21 | 0.01 | <10 | <10 | 45 | <10 | 882 |
| 28 | 190947 | 10 | 0.59 | 1045 | 2 | 0.01 | 8 | 530 | 8 | 2 | 4 | 17 | 0.04 | <10 | <10 | 27 | <10 | 116 |
| 29 | 190948 | 10 | 1.05 | 740 | <1. | 0.01 | 13 | 770 | 2 | 2 | 10 | 19 | 0.11 | <10 | <10 | 45 | <10 | 118 |
| 30 | 190949 | 20 | 0.83 | 975 | 2 | 0.01 | 7 | 640 | 4 | 2 | 7 | 18 | 0.08 | <10 | <10 | 46 | <10 | 132 |
| 31 | 190950 | 10 | 1.14 | 1875 | 2 | 0.01 | 10 | 870 | 4 | 2 | 8 | 29 | 0.07 | <10 | <10 | 55 | <10 | 156 |
| 32 | 190951 | 10 | 0.64 | 1530 | 2 | <0.01 | 21 | 620 | 26 | 2 | 6 | 17 | 0.03 | <10 | <10 | 32 | <10 | 362 |
| 33 | 190952 | 10 | 0.91 | 1815 | 1 | 0.01 | 34 | 820 | 8 | <2 | 7 | 39 | 0.1 | <10 | <10 | 44 | <10 | 160 |
| 34 | 190953 | 10 | 4.22 | 905 | <1. | <0.01 | 314 | 540 | <2 | <2 | 8 | 32 | 0.24 | <10 | <10 | 90 | 10 | 102 |
| 35 | 190954 | 10 | 1.96 | 1115 | <1. | <0.01 | 131 | 700 | 22 | <2 | 7 | 24 | 0.08 | <10 | <10 | 41 | <10 | 288 |
| 36 | 190955 | 10 | 1 | 1380 | <1. | 0.01 | 13 | 540 | 2 | <2 | 8 | 23 | 0.23 | <10 | <10 | 66 | <10 | 90 |
| 37 | 190956 | 10 | 2.12 | 2510 | <1. | <0.01 | 202 | 790 | 8 | 2 | 8 | 30 | 0.15 | <10 | <10 | 56 | <10 | 238 |
| 38 | 190957 | 10 | 0.99 | 880 | <1. | 0.01 | 14 | 540 | 2 | <2 | 7 | 19 | 0.26 | <10 | <10 | 77 | <10 | 112 |
| 39 | 212514 | <10 | 2.97 | 875 | <1. | <0.01 | 201 | 560 | 6 | <2 | 6 | 23 | 0.17 | <10 | <10 | 92 | <10 | 78 |
| 40 | 212515 | <10 | 0.77 | 2100 | <1. | 0.01 | 49 | 840 | 6 | <2 | 5 | 142 | 0.07 | <10 | <10 | 41 | <10 | 80 |
| 41 | 212516 | <10 | 0.8 | 785 | 1 | <0.01 | 29 | 670 | 8 | 2 | 6 | 71 | 0.15 | <10 | <10 | 81 | <10 | 108 |
| 42 | 212517 | <10 | 1.03 | 880 | 1 | <0.01 | 22 | 740 | 4 | <2 | 7 | 56 | 0.22 | <10 | <10 | 78 | <10 | 92 |
| 43 | 212518 | <10 | 0.74 | 810 | 1 | <0.01 | 23 | 540 | 4 | <2 | 6 | 43 | 0.2 | <10 | <10 | 81 | <10 | 82 |
| 44 | 212519 | <10 | 0.89 | 740 | <1. | <0.01 | 20 | 480 | 2 | <2 | 6 | 34 | 0.25 | <10 | <10 | 85 | <10 | 84 |

## COMPILATION OF VENT-BODINE PROJECT ROCK SAMPLE DATA

file: ventrx.xls

| Sample | Geological Description | FA+AA Au | FA Au | Wet Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Co | Cr | Cu | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ppb | ppb | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % |
| BOD1 | Silic rhyolite with qtz-lim vnlts. | <5 | | | <0.2 | 0.16 | <2 | <10 | <0.5 | <2 | 0.17 | <0.5 | 1 | 66 | 11 | 1.94 |
| BOD2 | Boulder of massive banded sulfide. | 30 | | | 1.8 | 0.35 | 20 | <10 | <0.5 | 2 | 0.10 | <0.5 | 1 | 44 | 22 | 12.65 |
| BOD3 | Silic rhyolite? with dissem py. | <5 | | | <0.2 | 0.28 | 6 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 61 | 3 | 1.94 |
| BOD5 | Silic rhy tuff with dissem, vnlt py. | <5 | | | <0.2 | 1.88 | 12 | 30 | <0.5 | 2 | 0.15 | 0.5 | 1 | 42 | 18 | 4.13 |
| BOD6 | Quartz eye rhy with dissem qtz-sr alt. Veinlets of py. | <5 | | | <0.2 | 0.54 | 6 | <10 | <0.5 | <2 | 0.22 | <0.5 | 1 | 24 | 39 | 4.28 |
| BOD7 | Qtz-py-cpy-sph lenses in fol rhy. | <5 | | | 2.6 | 0.61 | 18 | 20 | <0.5 | 2 | 0.16 | 14.5 | 3 | 68 | 1910 | 4.16 |
| BOD8 | Gossanous sch tr 170,90 Veinlets of ox sulfide. | <5 | | | 0.2 | 1.13 | 8 | <10 | <0.5 | 2 | 0.02 | <0.5 | <1 | 30 | 156 | 7.96 |
| BOD9 | Black shale. Silic with dissem py. | <5 | | | <0.2 | 2.21 | 6 | 70 | <0.5 | 2 | 1.92 | <0.5 | 14 | 66 | 90 | 3.84 |
| V1 | Vent bx. Partly rounded silic rhy fragments in sulfide matrix. | <5 | | | 0.2 | 0.06 | 46 | <10 | <0.5 | 2 | 0.01 | <0.5 | <1 | 59 | 5 | >15.00 |
| V2 | Chloritic gossanous schist on margin of vent bx. | <5 | | | <0.2 | 2.23 | <2 | 10 | <0.5 | 2 | 0.23 | 0.5 | 10 | 26 | 30 | 4.36 |
| V3 | Silic rhyolite west of vent bx. | <5 | | | <0.2 | 0.52 | <2 | <10 | <0.5 | <2 | 0.02 | <0.5 | <1 | 49 | 1 | 1.95 |
| OL1 | Silic pyritic rhy or dac. Mt. Olsen | <5 | | | <0.2 | 2.16 | <2 | <10 | <0.5 | 2 | 0.16 | <0.5 | 4 | 37 | 21 | 6.26 |
| OL2 | Silic pyritic rhy or dac. Mt. Olsen | <5 | | | <0.2 | 1.97 | <2 | <10 | <0.5 | 2 | 0.10 | <0.5 | 4 | 45 | 2 | 4.57 |
| OL3 | Silic pyritic rhy of dac. Mt. Olsen | <5 | | | <0.2 | 1.13 | <2 | <10 | <0.5 | 2 | 0.03 | <0.5 | 2 | 77 | 3 | 3.89 |
| 803951 | Chloritic andesites with py. | | | | 0.1 | 0.81 | 18 | 32 | 1.2 | 6 | 0.06 | 0.1 | 6 | 32 | 9 | 4.10 |
| 803952 | Proximal massive sulphides, 60% py. | | | | 0.1 | 0.08 | 237 | 26 | 2.8 | 15 | 0.01 | 0.1 | 15 | 51 | 8 | >15.00 |
| 803953 | Proximal massive sulphides, 60% py. | | | | 0.1 | 0.04 | 272 | 34 | 3.6 | 22 | 0.01 | 0.1 | 20 | 40 | 9 | >15.00 |
| 61955 | Silicified rhyolite. | | 3 | | 0.1 | 0.04 | 124 | 23 | 4.1 | 22 | 0.01 | 0.1 | 15 | 23 | 10 | >15.00 |
| 61956 | Chloritic phyllite, 1.52 metre chip. | | 6 | | 0.1 | 0.73 | 1 | 31 | 0.8 | 2 | 0.45 | 0.1 | 2 | 10 | 1 | 1.68 |
| 61957 | Limonitic rhyolite, 1.6 metre chip. | | 55 | | 1.5 | 0.77 | 1 | 32 | 5.6 | 28 | 0.04 | 0.1 | 25 | 14 | 38 | >15.00 |
| 61958 | Chloritic dacite. | | 5 | | 0.4 | 0.07 | 1 | 5 | 0.5 | 2 | 0.05 | 0.1 | 1 | 44 | 2 | 1.53 |
| Source 1 5S-4W B | White fault breccia Ba? | | | 5 | 1.1 | 0.21 | 102 | 50 | 0.2 | 1 | >15.00 | 0.1 | 2 | 23 | 17 | 0.64 |
| Source 1 5S-4W A | Py schist, light brown. | | | 5 | 0.2 | 0.89 | 1 | 75 | 0.8 | 1 | 0.18 | 0.1 | 7 | 48 | 45 | 3.72 |
| 2 Lakes | Hematite breccia. | | | 5 | 0.5 | 0.08 | 102 | 64 | 1.0 | 9 | 0.33 | 0.1 | 7 | 85 | 6 | 7.08 |
| Pb-1 | Pb/Zn/Cu chlorite schist. | | | 15 | 1.1 | 0.96 | 1 | 29 | 1.0 | 6 | 0.26 | 0.1 | 10 | 43 | 30 | 6.10 |
| Pb-5 | Rhodochrosite? | | | 5 | 1.1 | 0.12 | 584 | 49 | 1.0 | 1 | >15.00 | 0.1 | 12 | 61 | 3 | 1.51 |
| NV-4 | Altered felsitic tuff. | | | 5 | 2.2 | 0.36 | 87 | 25 | 0.6 | 26 | 1.71 | 0.1 | 25 | 66 | 50 | 3.21 |
| NV-3 | Altered felsitic tuff. | | | 5 | 2.2 | 1.19 | 1 | 44 | 0.8 | 19 | 1.19 | 0.1 | 44 | 87 | 52 | 5.29 |
| NV-2 | Chloritic andesite, dissem py. | | | 5 | 0.7 | 0.71 | 1 | 13 | 0.5 | 1 | 0.59 | 0.1 | 12 | 57 | 251 | 1.72 |
| NV-1 | Chloritic andesite, dissem py. | | | 5 | 2.0 | 0.48 | 48 | 48 | 0.7 | 19 | 1.10 | 0.1 | 43 | 57 | 52 | 4.16 |
| NR-1 | Argillite. | | | 5 | 0.4 | 0.09 | 87 | 18 | 0.3 | 3 | 0.04 | 0.1 | 1 | 109 | 8 | 0.82 |
| C1 | Chalcopyrite- dacite tuff. | | | 40 | 0.6 | 0.46 | 27 | 17 | 1.0 | 1 | 0.41 | 55.4 | 11 | 32 | 4177 | 5.16 |
| C2 | Rhodochrosite bed. | | | 5 | 0.1 | 0.10 | 1 | 31 | 0.8 | 4 | 0.76 | 0.1 | 6 | 71 | 42 | 5.08 |
| V56-1 | Pyritic andesite. | | | 5 | 4.3 | 0.84 | 167 | 46 | 1.6 | 48 | 1.54 | 0.1 | 38 | 131 | 98 | 14.15 |
| V56-2 | Pyritic andesite. | | | 5 | 2.3 | 1.47 | 1 | 46 | 1.1 | 31 | 1.52 | 0.1 | 33 | 58 | 28 | 6.38 |
| V56-3 | Pyritic andesite. | | | 5 | 1.5 | 2.47 | 1 | 21 | 1.3 | 15 | 2.24 | 0.1 | 30 | 56 | 44 | 6.55 |
| R1 | Rusty phyllite. | | | 10 | 0.1 | 0.17 | 18 | 26 | 0.2 | 3 | 0.15 | 0.1 | 4 | 50 | 12 | 0.79 |
| B2 | Cu/Ni anomoly. | | | 5 | 1.4 | 0.20 | 1242 | 34 | 1.5 | 1 | 2.31 | 0.1 | 62 | 893 | 12 | 2.89 |
| B1 | Argillite. | | | 5 | 0.6 | 0.61 | 1 | 49 | 0.6 | 4 | 0.65 | 0.1 | 17 | 36 | 102 | 2.42 |

Compilation of Vent-Bodine Project Rock Sample Data

file: ventrx.xls

| Sample | Ga | Hg | K | La | Li | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Th | Ti | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| BOD1 | <10 | <1 | 0.02 | <10 | | 0.06 | 565 | <1 | 0.03 | 1 | 120 | 2 | <2 | 5 | 9 | | <0.01 | <10 | 1 | <10 | 102 |
| BOD2 | <10 | <1 | 0.02 | <10 | | 0.23 | 415 | 18 | <0.01 | 13 | 170 | 24 | 2 | <1 | 2 | | <0.01 | <10 | 3 | <10 | 68 |
| BOD3 | <10 | 1 | 0.02 | <10 | | 0.13 | 130 | <1 | 0.07 | <1 | 200 | 4 | <2 | 2 | 1 | | <0.01 | <10 | <1 | <10 | 28 |
| BOD5 | <10 | 1 | 0.02 | <10 | | 1.36 | 1600 | 3 | 0.03 | <1 | 1040 | 18 | <2 | 8 | 8 | | <0.01 | <10 | 10 | <10 | 484 |
| BOD6 | <10 | <1 | 0.01 | <10 | | 0.95 | 1430 | 1 | 0.02 | <1 | 760 | 2 | <2 | 6 | 8 | | <0.01 | <10 | 3 | <10 | 234 |
| BOD7 | <10 | <1 | 0.05 | <10 | | 0.70 | 2220 | 3 | 0.03 | 1 | 710 | 98 | 2 | 6 | 8 | | <0.01 | <10 | 7 | <10 | 2750 |
| BOD8 | <10 | 1 | 0.01 | <10 | | 0.82 | 665 | 9 | 0.01 | <1 | 520 | 10 | <2 | 4 | 2 | | <0.01 | <10 | 4 | <10 | 800 |
| BOD9 | <10 | <1 | 0.19 | <10 | | 1.71 | 555 | <1 | 0.01 | 46 | 1030 | 6 | <2 | 3 | 125 | | <0.01 | <10 | 43 | <10 | 102 |
| V1 | <10 | 2 | 0.01 | <10 | | 0.01 | 20 | 6 | 0.04 | 3 | 20 | 4 | <2 | <1 | <1 | | | | <1 | <10 | 12 |
| V2 | <10 | <1 | 0.04 | <10 | | 1.51 | 880 | <1 | 0.05 | 4 | 600 | <2 | <2 | 10 | 14 | | 0.04 | <10 | 50 | <10 | 102 |
| V3 | <10 | <1 | 0.02 | <10 | | 0.26 | 90 | <1 | 0.09 | 2 | 150 | 4 | <2 | 4 | 4 | | <0.01 | <10 | 4 | <10 | 40 |
| OL1 | 10 | <1 | <0.01 | <10 | | 1.93 | 515 | 1 | 0.04 | <1 | 1240 | 2 | 2 | 14 | 9 | | 0.28 | <10 | 70 | <10 | 34 |
| OL2 | 10 | <1 | 0.01 | <10 | | 1.96 | 130 | 1 | 0.07 | 1 | 890 | <2 | <2 | 10 | 3 | | <0.01 | <10 | 65 | <10 | 12 |
| OL3 | <10 | <1 | <0.01 | <10 | | 1.08 | 365 | <1 | 0.08 | 2 | 340 | 2 | <2 | 9 | 2 | | 0.09 | <10 | 86 | <10 | 24 |
| 803951 | 1 | | 0.20 | | 2 | 0.84 | 255 | 8 | 0.01 | 14 | 60 | 47 | 1 | | 1 | 1 | 0.03 | 500 | 7.3 | 1 | 56 |
| 803952 | 1 | | 0.01 | | 1 | 0.01 | 1 | 10 | 0.06 | 33 | 10 | 139 | 1 | | 1 | 1 | 0.01 | 500 | 5.3 | 1 | 19 |
| 803953 | 1 | | 0.01 | | 1 | 0.01 | 1 | 1 | 0.04 | 46 | 10 | 149 | 1 | | 1 | 1 | 0.01 | 500 | 7.1 | 1 | 23 |
| 61955 | 1 | | 0.01 | | 1 | 0.01 | 1 | 3 | 0.03 | 38 | 10 | 173 | 1 | | 1 | 1 | 0.01 | 1 | 0.1 | 1 | 23 |
| 61956 | 1 | | 0.15 | | 4 | 0.68 | 987 | 1 | 0.01 | 7 | 190 | 24 | 1 | | 1 | 1 | 0.01 | 1 | 1.1 | 1 | 71 |
| 61957 | 1 | | 0.05 | | 3 | 0.64 | 208 | 71 | 0.01 | 69 | 10 | 238 | 1 | | 1 | 1 | 0.01 | 1 | 0.1 | 1 | 176 |
| 61958 | 1 | | 0.03 | | 1 | 0.01 | 18 | 1 | 0.05 | 5 | 150 | 19 | 1 | | 1 | 1 | 0.01 | 1 | 0.1 | 1 | 12 |
| Source 1 5S-4W B | 1 | | 0.01 | | 2 | 1.18 | 1402 | 1 | 0.01 | 5 | 120 | 5 | 1 | | 3564 | 13 | 0.01 | 1 | 11.9 | 1 | 27 |
| Source 1 5S-4W A | 1 | | 0.17 | | 8 | 1.09 | 106 | 1 | 0.01 | 10 | 470 | 17 | 1 | | 1 | 1 | 0.01 | 1 | 21.3 | 1 | 44 |
| 2 Lakes | 3 | | 0.01 | | 1 | 0.05 | 2 | 1 | 0.02 | 15 | 550 | 53 | 1 | | 46 | 1 | 0.02 | 1 | 32.1 | 1 | 22 |
| Pb-1 | 2 | | 0.14 | | 5 | 0.87 | 678 | 1 | 0.01 | 17 | 290 | 89 | 1 | | 1 | 1 | 0.01 | 1 | 11.7 | 1 | 89 |
| Pb-5 | 1 | | 0.04 | | 1 | 11.05 | 3047 | 1 | 0.01 | 1 | 10 | 1 | 1 | | 375 | 1 | 0.01 | 1 | 35.1 | 1 | 39 |
| NV-4 | 6 | | 0.15 | | 1 | 0.32 | 70 | 4 | 0.04 | 16 | 4550 | 20 | 1 | | 171 | 1 | 0.22 | 1 | 45.9 | 5 | 18 |
| NV-3 | 5 | | 0.15 | | 5 | 0.98 | 209 | 1 | 0.02 | 38 | 2747 | 30 | 1 | | 60 | 1 | 0.18 | 1 | 66.0 | 2 | 72 |
| NV-2 | 2 | | 0.03 | | 2 | 0.94 | 193 | 1 | 0.04 | 7 | 220 | 1 | 1 | | 1 | 1 | 0.05 | 1 | 16.7 | 1 | 31 |
| NV-1 | 5 | | 0.19 | | 3 | 0.36 | 92 | 12 | 0.02 | 39 | 2540 | 36 | 1 | | 90 | 1 | 0.18 | 1 | 37.9 | 2 | 37 |
| NR-1 | 2 | | 0.06 | | 1 | 0.02 | 26 | 32 | 0.01 | 5 | 130 | 9 | 1 | | 7 | 1 | 0.01 | 1 | 2.3 | 6 | 67 |
| C1 | 1 | | 0.02 | | 2 | 1.27 | 1734 | 6 | 0.02 | 16 | 590 | 43 | 1 | | 36 | 1 | 0.01 | 1 | 12.5 | 1 | 7018 |
| C2 | 1 | | 0.05 | | 1 | 0.08 | 1362 | 1 | 0.01 | 18 | 60 | 43 | 1 | | 14 | 1 | 0.01 | 1 | 4.3 | 1 | 80 |
| V56-1 | 17 | | 0.06 | | 2 | 0.41 | 312 | 46 | 0.04 | 43 | 1030 | 105 | 1 | | 175 | 1 | 0.55 | 1 | 104.7 | 6 | 124 |
| V56-2 | 8 | | 0.11 | | 4 | 1.46 | 876 | 1 | 0.03 | 19 | 3500 | 30 | 1 | | 91 | 1 | 0.30 | 1 | 85.3 | 1 | 97 |
| V56-3 | 2 | | 0.01 | | 10 | 2.61 | 1316 | 1 | 0.02 | 20 | 730 | 12 | 1 | | 1 | 1 | 0.16 | 1 | 258.4 | 1 | 111 |
| R1 | 1 | | 0.04 | | 1 | 0.13 | 232 | 6 | 0.01 | 8 | 120 | 8 | 1 | | 5 | 1 | 0.01 | 1 | 12.6 | 2 | 58 |
| B2 | 1 | | 0.02 | | 3 | 13.01 | 506 | 1 | 0.02 | 945 | 10 | 1 | 1 | | 295 | 1 | 0.01 | 1 | 30.2 | 1 | 28 |
| B1 | 1 | | 0.15 | | 5 | 0.88 | 174 | 1 | 0.02 | 44 | 990 | 13 | 1 | | 30 | 1 | 0.08 | 1 | 13.7 | 1 | 33 |

# Compilation of Sitlika Group Rock Sample Data

Sitlika Group Data

file: RxWarren.xls

| | RX Sample | UTM - Easting | Location Northing | Map No. | Form | Rock Type | Location | Geological Description | Au ppb | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 121785 | 317575 | 6168175 | 93N/12 | Sitlika | ANDS | Rod Showing | core, MB-89-1, 4m; calcite-py-ser altd | <5 | 0.2 | 2.70 | 10 | <10 | <0.5 | 2 | 2.57 | <0.5 | 29 | 156 | 67 |
| 2 | 121786 | 317575 | 6168175 | 93N/12 | Sitlika | BSLT | Rod Showing | core, MB-89-1, 27m; sericite-py basalt | <5 | <0.2 | 2.01 | 2 | <10 | <0.5 | <2 | 1.12 | <0.5 | 22 | 78 | 71 |
| 3 | 121787 | 317575 | 6168175 | 93N/12 | Sitlika | BSLT | Rod Showing | core, MB-89-1, 39m; chloritic basalt | <5 | <0.2 | 1.47 | 2 | <10 | <0.5 | <2 | 2.58 | <0.5 | 25 | 63 | 51 |
| 4 | 121788 | 317575 | 6168175 | 93N/12 | Sitlika | BSLT | Rod Showing | core, MB-89-1, 48m; pyritic basalt | <5 | <0.2 | 1.42 | 2 | 90 | <0.5 | <2 | 5.17 | <0.5 | 29 | 110 | 56 |
| 5 | 121789 | 317575 | 6168175 | 93N/12 | Sitlika | BSLT | Rod Showing | core, MB-89-1, 55m; chloritic py basalt | <5 | <0.2 | 1.94 | <2 | <10 | <0.5 | <2 | 1.43 | <0.5 | 34 | 136 | 53 |
| 6 | 121790 | 317575 | 6168175 | 93N/12 | Sitlika | BSLT | Rod Showing | core, MB-89-1, 77m; calc basalt tuff | <5 | <0.2 | 1.63 | 8 | <10 | <0.5 | 2 | 5.26 | <0.5 | 20 | 60 | 29 |
| 7 | 121791 | 323340 | 6166340 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 15.5m; pyritic felsic | <5 | <0.2 | 1.10 | 2 | <10 | <0.5 | <2 | 0.25 | 3.5 | 2 | 61 | 20 |
| 8 | 121792 | 323350 | 6166340 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 21.2m; ser-py altd felsic | <5 | <0.2 | 1.23 | 8 | <10 | <0.5 | 2 | 0.25 | 0.5 | 2 | 43 | 49 |
| 9 | 121793 | 323360 | 6166340 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 44.5m; diss'm sph, pyrite | <5 | <0.2 | 1.80 | 6 | <10 | <0.5 | <2 | 0.24 | 11 | 2 | 49 | 119 |
| 10 | 121794 | 323370 | 6166340 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 55.5m; calcareous felsic | <5 | <0.2 | 0.74 | 2 | <10 | <0.5 | 2 | 0.23 | 4 | 2 | 63 | 24 |
| 11 | 121795 | 323380 | 6166340 | 93N/12 | Sitlika | ANDS | Eureka Showing | core, MB-89-2, 75.1m; talcose mafic volc | 20 | 0.2 | 0.49 | 42 | 10 | <0.5 | <2 | 0.25 | 4 | 5 | 86 | 1695 |
| 12 | 121796 | 323390 | 6166320 | 93N/12 | Sitlika | ANDS | Eureka Showing | core, MB-89-2, 104.3m; fragmental w py | <5 | <0.2 | 0.45 | 14 | 10 | <0.5 | <2 | 0.38 | 0.5 | 7 | 75 | 181 |
| 13 | 121797 | 323400 | 6166320 | 93N/12 | Sitlika | ANDS | Eureka Showing | core, MB-89-2, 85.5m; talcose mafic volc | <5 | <0.2 | 0.99 | 24 | 10 | <0.5 | <2 | 0.16 | 9 | 6 | 84 | 115 |
| 14 | 121798 | 323410 | 6166320 | 93N/12 | Sitlika | ANDS | Eureka Showing | core, MB-89-2, 107.6m; py-calcite altd | <5 | 0.4 | 1.73 | 14 | <10 | <0.5 | 6 | 0.23 | <0.5 | 2 | 60 | 2320 |
| 15 | 121799 | 323420 | 6166320 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 113.6m; sericite-py altd | <5 | <0.2 | 2.10 | 8 | <10 | <0.5 | 2 | 0.20 | <0.5 | 2 | 51 | 24 |
| 16 | 121800 | 323430 | 6166320 | 93N/12 | Sitlika | DAC | Eureka Showing | core, MB-89-2, 118.5m; calcareous felsic | <5 | <0.2 | 1.98 | 4 | <10 | <0.5 | <2 | 0.24 | <0.5 | 2 | 66 | 50 |
| 17 | 222585 | 322930 | 6166820 | 93N/12 | Sitlika | DAC | Mt Bodine Area | massive, light green dacite; trace pyrite | <5 | <0.2 | 3.12 | 32 | 10 | <0.5 | 2 | 0.98 | <0.5 | 26 | 45 | 30 |
| 18 | 222586 | 322920 | 6166700 | 93N/12 | Sitlika | RHY | Mt Bodine Area | bleached, clay altered felsic tuff | <5 | <0.2 | 0.99 | <2 | 10 | <0.5 | 2 | 0.01 | <0.5 | 1 | 29 | 1 |
| 19 | 222587 | 322990 | 6166210 | 93N/12 | Sitlika | CS | Crystal Showing | chlorite schist; well fractured | <5 | <0.2 | 1.57 | <2 | 20 | <0.5 | <2 | 0.16 | <0.5 | 2 | 11 | <1 |
| 20 | 222588 | 323010 | 6166212 | 93N/12 | Sitlika | CS | Crystal Showing | dark green chlorite schist | <5 | <0.2 | 1.26 | 6 | 10 | <0.5 | 2 | 0.95 | <0.5 | 2 | 18 | <1 |
| 21 | 222589 | 323020 | 6166214 | 93N/12 | Sitlika | CHRT | Crystal Showing | semi-massive pyrite, very siliceous | <5 | <0.2 | 1.47 | 30 | <10 | <0.5 | <2 | 0.05 | <0.5 | 6 | 56 | 19 |
| 22 | 222590 | 323000 | 6166211 | 93N/12 | Sitlika | DAC | Crystal Showing | feldspar-phyric dacite / rhyolite | 35 | <0.2 | 0.47 | 8 | <10 | <0.5 | <2 | 0.06 | <0.5 | 1 | 48 | 1 |
| 23 | 222591 | 323100 | 6166180 | 93N/12 | Sitlika | QSSH | Crystal Showing | quartz-sericite altered felsic volc | <5 | <0.2 | 0.34 | 8 | <10 | <0.5 | <2 | <0.01 | <0.5 | 1 | 55 | 1 |
| 24 | 222592 | 323170 | 6166190 | 93N/12 | Sitlika | CS | Crystal Showing | chlorite-rich stringer zone; chlorite sch | <5 | <0.2 | 2.74 | <2 | <10 | <0.5 | 2 | 0.03 | <0.5 | 2 | 5 | <1 |
| 25 | 222596 | 322980 | 6166210 | 93N/12 | Sitlika | CS | Mt Bodine Area | chlorite schist; well foliated as above | <5 | <0.2 | 2.44 | 8 | 30 | <0.5 | 2 | 0.53 | <0.5 | 3 | 41 | 2 |
| 26 | 222597 | 322970 | 6166214 | 93N/12 | Sitlika | QTZ | Mt Bodine Area | quartz-magnetite altn near chlorite schist | <5 | <0.2 | 0.15 | <2 | <10 | <0.5 | <2 | 0.16 | <0.5 | <1 | 148 | 1 |
| 27 | 222600 | 323540 | 6165880 | 93N/12 | Sitlika | QTZ | Mt Bodine Area | hematite-quartz-magnetite alteration | <5 | 0.2 | 0.81 | <2 | <10 | <0.5 | <2 | 0.30 | <0.5 | <1 | 99 | 1 |
| 28 | 223824 | 323550 | 6165860 | 93N/12 | Sitlika | CS | Mt Bodine Area | chlorite zone (adjacent to 222600) | <5 | <0.2 | 1.93 | <2 | 40 | <0.5 | <2 | 0.18 | <0.5 | 2 | 37 | <1 |
| 29 | 223825 | 323150 | 6165930 | 93N/12 | Sitlika | CS | Mt Bodine Area | chlorite schist; well foliated | <5 | <0.2 | 1.17 | <2 | 20 | <0.5 | 2 | 0.09 | <0.5 | 1 | 11 | <1 |
| 30 | 223831 | 322710 | 6166680 | 93N/12 | Sitlika | QSSH | Mt Bodine Area | quartz-carbonate-sericite schist | <5 | 0.2 | 0.72 | <2 | 50 | <0.5 | <2 | 0.12 | <0.5 | 1 | 23 | 1 |
| 31 | 223832 | 322720 | 6166690 | 93N/12 | Sitlika | QSSH | Mt Bodine Area | qtz-sericite schist; tr pyrite | 30 | 1.2 | 0.31 | 10 | 10 | <0.5 | <2 | 0.04 | <0.5 | <1 | 92 | 6 |
| 32 | 223833 | 323250 | 6166370 | 93N/12 | Sitlika | DAC | Crystal Showing | light green dacite; feldspar-phyric | <5 | <0.2 | 1.85 | <2 | 40 | <0.5 | <2 | 0.17 | <0.5 | 1 | 7 | <1 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Fe | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Tl | Tl | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 1 | 121785 | 3.85 | <10 | 1 | <0.01 | <10 | 2.51 | 580 | <1 | <0.01 | 110 | 430 | <2 | <2 | 4 | 39 | 0.51 | <10 | <10 | 75 | <10 | 46 |
| 2 | 121786 | 3.68 | <10 | <1 | <0.01 | <10 | 1.66 | 510 | <1 | 0.02 | 22 | 510 | <2 | <2 | 3 | 23 | 0.32 | <10 | <10 | 75 | <10 | 44 |
| 3 | 121787 | 6.74 | <10 | 1 | <0.01 | <10 | 1.70 | 605 | <1 | 0.01 | 35 | 1040 | <2 | <2 | 9 | 20 | 0.63 | <10 | <10 | 130 | <10 | 70 |
| 4 | 121788 | 5.22 | <10 | 1 | 0.04 | <10 | 1.46 | 705 | 1 | 0.02 | 84 | 780 | <2 | <2 | 8 | 49 | 0.42 | <10 | <10 | 106 | <10 | 74 |
| 5 | 121789 | 3.71 | <10 | 1 | <0.01 | <10 | 1.94 | 505 | <1 | 0.01 | 118 | 420 | <2 | <2 | 3 | 11 | 0.40 | <10 | <10 | 53 | <10 | 48 |
| 6 | 121790 | 3.23 | <10 | <1 | <0.01 | <10 | 1.29 | 735 | <1 | 0.02 | 19 | 500 | <2 | <2 | 3 | 36 | 0.26 | <10 | <10 | 71 | <10 | 36 |
| 7 | 121791 | 4.25 | <10 | <1 | 0.04 | <10 | 1.63 | 1680 | <1 | 0.08 | 1 | 750 | <2 | <2 | 7 | 6 | <0.01 | <10 | <10 | 4 | <10 | 1005 |
| 8 | 121792 | 4.50 | <10 | <1 | 0.03 | <10 | 2.04 | 2060 | 4 | 0.07 | <1 | 770 | <2 | <2 | 8 | 6 | <0.01 | <10 | <10 | 6 | <10 | 772 |
| 9 | 121793 | 4.92 | <10 | <1 | 0.02 | <10 | 2.54 | 2250 | <1 | 0.06 | <1 | 760 | <2 | <2 | 11 | 10 | <0.01 | <10 | <10 | 7 | <10 | 2390 |
| 10 | 121794 | 4.48 | <10 | <1 | 0.03 | <10 | 1.67 | 1585 | <1 | 0.09 | <1 | 760 | <2 | <2 | 11 | 15 | <0.01 | <10 | <10 | 6 | <10 | 908 |
| 11 | 121795 | 8.26 | <10 | 1 | 0.14 | <10 | 1.33 | 990 | 4 | 0.04 | 7 | 230 | <2 | <2 | 2 | 12 | <0.01 | <10 | <10 | 11 | <10 | 778 |
| 12 | 121796 | 3.04 | <10 | 1 | 0.07 | <10 | 1.79 | 1320 | 4 | 0.07 | 8 | 360 | 4 | <2 | 5 | 10 | <0.01 | <10 | <10 | 19 | <10 | 506 |
| 13 | 121797 | 3.28 | <10 | <1 | 0.08 | <10 | 2.51 | 1345 | 4 | 0.07 | 7 | 350 | 4 | <2 | 6 | 8 | <0.01 | <10 | <10 | 23 | <10 | 2030 |
| 14 | 121798 | 5.31 | 10 | <1 | 0.04 | <10 | 2.40 | 1655 | 5 | 0.06 | <1 | 740 | <2 | <2 | 9 | 11 | <0.01 | <10 | <10 | 8 | <10 | 298 |
| 15 | 121799 | 3.98 | 10 | <1 | 0.06 | <10 | 2.13 | 1310 | <1 | 0.05 | <1 | 790 | <2 | <2 | 7 | 5 | <0.01 | <10 | <10 | 6 | <10 | 188 |
| 16 | 121800 | 4.48 | 10 | <1 | 0.03 | <10 | 1.94 | 1345 | <1 | 0.06 | <1 | 760 | <2 | <2 | 9 | 7 | <0.01 | <10 | <10 | 7 | <10 | 160 |
| 17 | 222585 | 6.16 | <10 | <1 | <0.01 | <10 | 2.29 | 965 | <1 | 0.03 | 13 | 640 | 12 | 4 | 4 | 18 | 0.46 | <10 | <10 | 115 | 10 | 92 |
| 18 | 222586 | 2.72 | <10 | <1 | 0.07 | <10 | 0.59 | 320 | <1 | 0.06 | <1 | 120 | 4 | <2 | 5 | <1 | <0.01 | <10 | <10 | 1 | <10 | 118 |
| 19 | 222587 | 2.34 | <10 | <1 | 0.29 | 10 | 1.22 | 830 | <1 | 0.01 | 1 | 490 | 2 | <2 | 2 | 3 | <0.01 | <10 | <10 | 1 | <10 | 102 |
| 20 | 222588 | 2.05 | <10 | <1 | 0.24 | 10 | 1.13 | 780 | <1 | 0.01 | <1 | 1000 | 4 | <2 | 1 | 22 | <0.01 | <10 | <10 | <1 | <10 | 144 |
| 21 | 222589 | >15.00 | <10 | <1 | 0.07 | <10 | 1.02 | 455 | 33 | <0.01 | 18 | 160 | 34 | <2 | 3 | 1 | <0.01 | <10 | <10 | 8 | <10 | 204 |
| 22 | 222590 | 1.41 | <10 | <1 | 0.02 | <10 | 0.14 | 335 | <1 | 0.12 | <1 | 110 | 6 | <2 | 6 | 4 | <0.01 | <10 | <10 | 1 | <10 | 86 |
| 23 | 222591 | 2.66 | <10 | <1 | 0.01 | <10 | 0.19 | 110 | <1 | 0.10 | 1 | 200 | 6 | <2 | 3 | 1 | <0.01 | <10 | <10 | 1 | <10 | 26 |
| 24 | 222592 | 6.40 | 20 | <1 | <0.01 | <10 | 1.86 | 1490 | <1 | 0.07 | <1 | 330 | 8 | <2 | 15 | 1 | <0.01 | <10 | <10 | 3 | <10 | 346 |
| 25 | 222596 | 4.27 | 10 | <1 | 0.31 | 10 | 1.82 | 1315 | <1 | <0.01 | 6 | 180 | 4 | <2 | 2 | 13 | <0.01 | <10 | <10 | 2 | <10 | 208 |
| 26 | 222597 | 6.18 | <10 | <1 | 0.02 | <10 | 0.06 | 415 | <1 | 0.01 | 3 | 180 | 4 | <2 | <1 | 2 | <0.01 | <10 | <10 | 7 | <10 | 22 |
| 27 | 222600 | 8.64 | <10 | <1 | <0.01 | <10 | 0.37 | 375 | <1 | <0.01 | 2 | 130 | 2 | <2 | 2 | 6 | <0.01 | <10 | <10 | 7 | <10 | 36 |
| 28 | 223824 | 3.00 | <10 | <1 | 0.28 | <10 | 1.28 | 665 | <1 | 0.01 | 2 | 130 | 4 | 2 | 3 | 6 | <0.01 | <10 | <10 | 1 | <10 | 136 |
| 29 | 223825 | 1.52 | <10 | <1 | 0.39 | <10 | 0.79 | 420 | <1 | <0.01 | 1 | 210 | <2 | <2 | 2 | 1 | 0.02 | <10 | <10 | <1 | <10 | 98 |
| 30 | 223831 | 2.94 | <10 | <1 | 0.41 | 10 | 0.33 | 940 | <1 | 0.01 | 2 | 230 | <2 | <2 | 3 | 6 | <0.01 | <10 | <10 | 4 | <10 | 88 |
| 31 | 223832 | 5.26 | <10 | <1 | 0.12 | <10 | 0.04 | 60 | 20 | 0.05 | 2 | 120 | 20 | <2 | 1 | 3 | <0.01 | <10 | <10 | 5 | <10 | 8 |
| 32 | 223833 | 3.08 | <10 | <1 | 0.38 | <10 | 1.13 | 975 | <1 | 0.02 | <1 | 240 | <2 | <2 | 3 | 6 | 0.07 | <10 | <10 | 1 | <10 | 106 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Al2O3 | CaO | Cr2O3 | Fe2O3 | K2O | MgO | MnO | Na2O | P2O5 | SiO2 | TiO2 | LOI | TOTAL | Ba | Rb | Sr | Nb | Zr | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | % | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 1 | 121785 | 15.98 | 12.00 | 0.04 | 10.26 | 0.16 | 7.66 | 0.16 | 2.57 | 0.12 | 44.77 | 1.48 | 4.17 | 99.37 | 80 | <10 | 160 | <10 | 80 | 20 |
| 2 | 121786 | 15.85 | 9.73 | 0.03 | 10.73 | 0.08 | 6.04 | 0.15 | 3.61 | 0.15 | 48.78 | 1.24 | 2.82 | 99.21 | 20 | <10 | 280 | <10 | 70 | 20 |
| 3 | 121787 | 13.68 | 6.99 | 0.02 | 11.88 | 0.12 | 4.58 | 0.13 | 5.21 | 0.28 | 48.47 | 2.06 | 5.63 | 99.05 | 60 | <10 | 160 | <10 | 120 | 30 |
| 4 | 121788 | 15.45 | 10.06 | 0.03 | 9.35 | 0.68 | 3.06 | 0.12 | 5.93 | 0.21 | 46.04 | 1.73 | 5.99 | 98.65 | 920 | <10 | 120 | <10 | 100 | 30 |
| 5 | 121789 | 16.79 | 10.88 | 0.04 | 9.47 | 0.10 | 6.75 | 0.16 | 3.33 | 0.12 | 47.21 | 1.50 | 3.29 | 99.64 | 40 | <10 | 110 | <10 | 80 | 20 |
| 6 | 121790 | 13.53 | 13.46 | 0.01 | 8.97 | 0.09 | 5.05 | 0.20 | 4.25 | 0.13 | 45.79 | 1.01 | 6.51 | 99.00 | 40 | <10 | 100 | <10 | 60 | 10 |
| 7 | 121791 | 11.43 | 0.43 | 0.01 | 6.42 | 0.32 | 2.70 | 0.24 | 4.12 | 0.21 | 66.47 | 0.72 | 6.01 | 99.08 | 20 | <10 | 20 | <10 | 170 | 50 |
| 8 | 121792 | 11.99 | 0.43 | 0.02 | 6.84 | 0.33 | 3.32 | 0.30 | 3.88 | 0.21 | 63.83 | 0.73 | 7.12 | 99.00 | 40 | <10 | 20 | <10 | 170 | 40 |
| 9 | 121793 | 12.14 | 0.42 | 0.01 | 7.77 | 0.23 | 4.26 | 0.35 | 3.88 | 0.22 | 62.14 | 0.75 | 7.12 | 99.29 | 40 | <10 | 30 | <10 | 170 | 50 |
| 10 | 121794 | 12.08 | 0.41 | 0.02 | 6.88 | 0.27 | 2.80 | 0.24 | 4.37 | 0.22 | 64.05 | 0.73 | 7.55 | 99.62 | 40 | 70 | 470 | 50 | 920 | 240 |
| 11 | 121795 | 9.85 | 0.38 | 0.03 | 12.96 | 1.80 | 2.32 | 0.16 | 0.83 | 0.07 | 59.98 | 0.46 | 10.34 | 99.18 | 200 | 20 | 30 | <10 | 130 | 20 |
| 12 | 121796 | 11.74 | 0.59 | 0.03 | 4.60 | 0.63 | 2.99 | 0.20 | 3.85 | 0.11 | 66.68 | 0.60 | 7.10 | 99.12 | 60 | <10 | 40 | <10 | 180 | 60 |
| 13 | 121797 | 12.21 | 0.30 | 0.02 | 5.00 | 0.72 | 4.09 | 0.20 | 4.03 | 0.11 | 64.53 | 0.60 | 7.29 | 99.10 | 80 | <10 | 30 | <10 | 200 | 60 |
| 14 | 121798 | 11.23 | 0.39 | 0.03 | 8.30 | 0.43 | 3.97 | 0.25 | 3.21 | 0.20 | 63.45 | 0.72 | 6.97 | 99.15 | 40 | <10 | 30 | <10 | 160 | 30 |
| 15 | 121799 | 11.91 | 0.37 | 0.02 | 6.11 | 0.58 | 3.50 | 0.19 | 3.64 | 0.22 | 67.56 | 0.75 | 4.15 | 99.00 | 60 | <10 | 30 | <10 | 170 | 40 |
| 16 | 121800 | 11.94 | 0.45 | 0.02 | 7.05 | 0.29 | 3.29 | 0.20 | 4.13 | 0.22 | 66.57 | 0.74 | 4.30 | 99.20 | 40 | <10 | 30 | <10 | 180 | 50 |
| 17 | 222585 | 15.83 | 5.22 | 0.01 | 12.39 | 0.10 | 5.30 | 0.18 | 4.19 | 0.16 | 50.94 | 1.39 | 3.32 | 99.03 | 20 | <10 | 100 | <10 | 40 | 10 |
| 18 | 222586 | 11.22 | 0.04 | <0.01 | 4.03 | 0.56 | 1.08 | 0.03 | 4.94 | 0.03 | 75.36 | 0.29 | 1.57 | 99.15 | 120 | <10 | <10 | <10 | 230 | 70 |
| 19 | 222587 | 12.30 | 0.24 | <0.01 | 4.88 | 3.19 | 2.95 | 0.13 | 1.62 | 0.12 | 70.59 | 0.58 | 2.69 | 99.29 | 200 | 50 | <10 | <10 | 340 | 70 |
| 20 | 222588 | 17.76 | 1.27 | 0.01 | 4.78 | 4.54 | 2.93 | 0.12 | 3.36 | 0.23 | 60.15 | 0.37 | 3.60 | 99.12 | 260 | 70 | 20 | <10 | 340 | 100 |
| 21 | 222589 | 3.52 | 0.08 | 0.04 | 25.69 | 0.36 | 1.89 | 0.07 | <0.01 | 0.05 | 55.74 | 0.18 | 11.52 | 99.14 | 20 | <10 | <10 | <10 | 70 | 10 |
| 22 | 222590 | 10.59 | 0.20 | <0.01 | 2.14 | 0.17 | 0.23 | 0.03 | 5.78 | 0.03 | 79.14 | 0.20 | 0.51 | 99.02 | 20 | <10 | 10 | <10 | 250 | 80 |
| 23 | 222591 | 11.36 | 0.04 | 0.03 | 3.83 | 0.17 | 0.31 | <0.01 | 6.70 | 0.06 | 74.29 | 0.46 | 1.52 | 98.77 | 20 | <10 | <10 | <10 | 350 | 60 |
| 24 | 222592 | 18.25 | 0.08 | 0.09 | 9.97 | 0.14 | 3.36 | 0.20 | 7.66 | 0.09 | 55.38 | 0.74 | 3.20 | 99.16 | 20 | <10 | <10 | <10 | 520 | 60 |
| 25 | 222596 | 13.33 | 0.78 | 0.09 | 8.63 | 3.55 | 4.07 | 0.21 | 0.07 | 0.05 | 64.93 | 0.40 | 4.06 | 100.17 | 220 | 50 | <10 | <10 | 290 | 70 |
| 26 | 222597 | 0.59 | 0.23 | 0.01 | 10.52 | 0.17 | 0.08 | 0.05 | 0.01 | 0.05 | 86.99 | 0.03 | 0.34 | 99.07 | 20 | <10 | <10 | <10 | 20 | <10 |
| 27 | 222600 | 1.70 | 0.57 | 0.01 | 15.21 | 0.07 | 0.62 | 0.05 | <0.01 | 0.04 | 80.09 | 0.05 | 0.74 | 99.15 | 20 | <10 | <10 | <10 | 30 | 10 |
| 28 | 223824 | 9.81 | 0.41 | 0.01 | 5.37 | 2.45 | 2.61 | 0.10 | 0.51 | 0.03 | 75.03 | 0.35 | 2.53 | 99.21 | 360 | 20 | <10 | <10 | 190 | 70 |
| 29 | 223825 | 15.73 | 0.20 | 0.01 | 5.46 | 6.48 | 3.12 | 0.09 | 0.38 | 0.06 | 63.99 | 0.47 | 3.14 | 99.13 | 340 | 70 | <10 | <10 | 330 | 40 |
| 30 | 223831 | 13.40 | 0.17 | <0.01 | 5.54 | 4.76 | 1.30 | 0.14 | 0.35 | 0.06 | 69.79 | 0.40 | 3.77 | 99.68 | 340 | 50 | <10 | <10 | 290 | 70 |
| 31 | 223832 | 6.63 | 0.08 | 0.01 | 7.17 | 1.03 | 0.16 | <0.01 | 2.36 | 0.03 | 79.02 | 0.25 | 2.32 | 99.06 | 100 | 10 | 10 | <10 | 140 | 30 |
| 32 | 223833 | 13.00 | 0.42 | <0.01 | 5.52 | 3.17 | 2.69 | 0.15 | 1.96 | 0.07 | 68.88 | 0.45 | 2.71 | 99.02 | 200 | 20 | 30 | <10 | 230 | 40 |

Sitlika Group Data

file: RxWarren.xls

| | RX Sample | UTM - Easting | Location Northing | Map No. | Form | Rock Type | Location | Geological Description | Au ppb | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Cs % | Cd ppm | Co ppm | Cr ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 223834 | 321260 | 6170550 | 93N/12 | Sitlika | BSLT | Diver Peak Area | epidotized pillow basalt | <5 | <0.2 | 3.27 | <2 | 10 | <0.5 | <2 | 5.09 | <0.5 | 36 | 144 | 39 |
| 33 | 223835 | 321140 | 6170680 | 93N/12 | Sitlika | QSSH | Diver Peak Area | qtz-sericite-pyrite altered basalt | <5 | 0.4 | 1.98 | 16 | 60 | <0.5 | <2 | 0.98 | <0.5 | 39 | 82 | 72 |
| 33 | 223836 | 320950 | 6171170 | 93N/12 | Sitlika | BSLT | Diver Peak Area | hematitic basalt(?); very siliceous | <5 | 0.2 | 0.32 | <2 | <10 | <0.5 | <2 | 0.09 | <0.5 | 2 | 143 | 2 |
| 36 | 223837 | 321040 | 6171390 | 93N/12 | Sitlika | CS | Diver Peak Area | quartz-muscovite-chlorite schist | <5 | <0.2 | 1.72 | <2 | 10 | <0.5 | <2 | 2.91 | <0.5 | 5 | 23 | <1 |
| 37 | 223838 | 321060 | 6171410 | 93N/12 | Sitlika | CS | Diver Peak Area | muscovite-chlorite schist; trace py | <5 | 0.2 | 2.55 | 6 | 10 | <0.5 | <2 | 3.38 | <0.5 | 11 | 41 | 12 |
| 38 | 223839 | 321080 | 6171430 | 93N/12 | Sitlika | DAC | Diver Peak Area | gray felsic volcanic w sericite; dacite(?) | <5 | <0.2 | 0.61 | <2 | <10 | <0.5 | <2 | 0.27 | <0.5 | 3 | 50 | 1 |
| 39 | 223840 | 321170 | 6171500 | 93N/12 | Sitlika | QTZ | Diver Peak Area | quartz-hematite (magnetite) altn zone | <5 | <0.2 | 0.39 | 2 | <10 | <0.5 | <2 | 0.12 | <0.5 | 3 | 68 | 9 |
| 40 | 223841 | 321180 | 6171510 | 93N/12 | Sitlika | CS | Diver Peak Area | quartz-chlorite-muscovite schist | <5 | <0.2 | 1.78 | <2 | 30 | <0.5 | <2 | 0.73 | <0.5 | 4 | 31 | 1 |
| 41 | 223842 | 322570 | 6166530 | 93N/12 | Sitlika | DAC | Mt Bodine Area | chlorite altered felsic; dacite(?) | <5 | <0.2 | 3.65 | 6 | 80 | <0.5 | <2 | 1.87 | <0.5 | 28 | 20 | 65 |
| 42 | 223843 | 322590 | 6166670 | 93N/12 | Sitlika | DAC | Mt Bodine Area | qtz-chlorite altered felsic volc | <5 | <0.2 | 0.70 | 6 | 20 | <0.5 | <2 | 0.37 | <0.5 | 2 | 216 | 7 |
| 43 | 224403 | 318870 | 6174650 | 93N/12 | Sitlika | RYH | Diver Lake Road | py-po (3-5%) in siliceous rhyolite | <5 | <0.2 | 1.73 | <2 | <10 | 1 | 4 | 2.05 | <0.5 | 24 | 53 | 44 |
| 44 | 224404 | 318750 | 6174530 | 93N/12 | Sitlika | DAC | Diver Lake Road | light green dacite, tr pyrite | <5 | <0.2 | 1.22 | <2 | 10 | 0.5 | <2 | 1.27 | <0.5 | 3 | 49 | 6 |
| 45 | 224405 | 318780 | 6174550 | 93N/12 | Sitlika | DAC | Diver Lake Road | massive feldspar-phyric, dacite | <5 | <0.2 | 1.50 | <2 | 20 | 1 | 2 | 1.55 | <0.5 | 3 | 48 | 6 |
| 46 | 224406 | 319480 | 6175410 | 93N/12 | Sitlika | ANDS | Diver Lake Road | massive andesite, some epidote | <5 | <0.2 | 2.68 | <2 | <10 | 0.5 | 4 | 1.37 | <0.5 | 24 | 127 | 44 |
| 47 | 224445 | 320500 | 6176300 | 93N/12 | Sitlika | BSLT | Diver Lake Road | dark gray / green pillow basalt | <5 | <0.2 | 3.07 | <2 | 10 | 1 | <2 | 5.06 | <0.5 | 25 | 111 | 132 |
| 48 | 224521 | 318960 | 6165620 | 93N/12 | Sitlika | DAC | Sit Claims Area | greenish dacite; trace pyrite | <5 | <0.2 | 1.62 | 4 | <10 | <0.5 | <2 | 0.84 | <0.5 | 2 | 61 | 16 |
| 49 | 224527 | 322920 | 6168100 | 93N/12 | Sitlika | LST | Galena Vn Area | gray marble w qtz-carbonate-gal veinlets | 20 | 2.4 | 0.10 | 8 | 10 | <0.5 | 2 | >15.00 | 1.5 | 2 | 42 | 92 |
| 50 | 224528 | 322930 | 6168110 | 93N/12 | Sitlika | LST | Galena Vn Area | as above; mostly gray-black marble | <5 | 0.2 | 0.16 | 6 | 20 | <0.5 | 2 | >15.00 | 0.5 | 3 | 14 | 2 |
| 51 | 224529 | 322950 | 6168130 | 93N/12 | Sitlika | ARG | Galena Vn Area | black phyllite w fine pyrite, pyrrhotite | <5 | 0.2 | 0.47 | 16 | 30 | <0.5 | <2 | 3.34 | 0.5 | 17 | 116 | 80 |
| 52 | 224530 | 322740 | 6168050 | 93N/12 | Sitlika | RHY | Galena Vn Area | qtz-eye rhyolite; very schistose | <5 | <0.2 | 0.23 | <2 | 20 | <0.5 | <2 | 0.14 | <0.5 | <1 | 57 | 1 |
| 53 | 224531 | 322600 | 6167910 | 93N/12 | Sitlika | QSSH | Galena Vn Area | qtz-sericite schist; tr pyrite; rhyolite(?) | <5 | <0.2 | 0.34 | <2 | 130 | <0.5 | <2 | 0.03 | <0.5 | 1 | 51 | 5 |
| 54 | 224532 | 322740 | 6167820 | 93N/12 | Sitlika | SCSH | Galena Vn Area | sericite-rich schist (as 531); rhyolite(?) | <5 | <0.2 | 0.31 | 14 | 100 | <0.5 | <2 | 0.01 | <0.5 | <1 | 74 | 4 |
| 55 | 224533 | 322840 | 6167870 | 93N/12 | Sitlika | DAC | Galena Vn Area | siliceous gray felsic volc; tr pyrite | <5 | <0.2 | 0.46 | <2 | 20 | <0.5 | <2 | 0.03 | <0.5 | 1 | 77 | 41 |
| 56 | 224534 | 323220 | 6169420 | 93N/12 | Sitlika | ARG | Galena Vn Area | black, rusty argillite; tr malachite, pyrite | <5 | <0.2 | 0.46 | <2 | 70 | <0.5 | <2 | 0.71 | <0.5 | 14 | 20 | 107 |
| 57 | 224567 | 317720 | 6173340 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | qtz-sericite altd clasts in breccia zone | <5 | <0.2 | 0.23 | 4 | <10 | <0.5 | <2 | 0.03 | <0.5 | <1 | 108 | 2 |
| 58 | 224568 | 317710 | 6173340 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | qtz-sericite altd clasts in breccia zone | <5 | <0.2 | 0.26 | 6 | <10 | 0.5 | <2 | 0.07 | <0.5 | <1 | 127 | 1 |
| 59 | 224569 | 317730 | 6173320 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | pyrite-rich matrix of breccia zone | <5 | <0.2 | 0.16 | 32 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 132 | 2 |
| 60 | 224570 | 317700 | 6173310 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | pyrite-rich matrix of breccia zone | <5 | <0.2 | 0.18 | 56 | <10 | <0.5 | <2 | 0.01 | <0.5 | 1 | 146 | 4 |
| 61 | 224571 | 317740 | 6173300 | 93N/12 | Sitlika | CS | Vent Breccia Zone | gray chlorite schist; tr py; footwall(?) | <5 | <0.2 | 2.87 | <2 | 10 | <0.5 | <2 | 0.26 | <0.5 | 13 | 44 | 20 |
| 62 | 224572 | 317690 | 6173350 | 93N/12 | Sitlika | QSSH | Vent Breccia Zone | sericitized felsic volcanic; hangingwall(?) | <5 | <0.2 | 0.29 | 6 | <10 | <0.5 | <2 | 0.04 | <0.5 | <1 | 109 | 1 |
| 63 | 224573 | 317680 | 6173290 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | py-rich breccia w siliceous gray clasts | <5 | 0.2 | 0.42 | 18 | <10 | <0.5 | <2 | 0.06 | 0.5 | 1 | 73 | 2 |
| 64 | 224574 | 317670 | 6173280 | 93N/12 | Sitlika | RHY | Vent Breccia Zone | silicified quartz-eye rhyolite | <5 | <0.2 | 1.15 | 8 | <10 | <0.5 | <2 | 0.01 | <0.5 | <1 | 81 | 1 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Fe | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Tl | Tl | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 33 | 223834 | 4.91 | <10 | <1 | 0.01 | <10 | 2.68 | 1020 | <1 | 0.03 | 41 | 780 | 4 | <2 | 6 | 35 | 0.53 | <10 | <10 | 149 | 10 | 90 |
| 33 | 223835 | 4.33 | <10 | <1 | 0.26 | 10 | 1.02 | 270 | <1 | 0.04 | 58 | 1430 | 4 | <2 | 10 | 10 | 0.32 | <10 | <10 | 105 | <10 | 88 |
| 33 | 223836 | 4.51 | <10 | <1 | 0.01 | <10 | 0.15 | 65 | <1 | <0.01 | 6 | 180 | <2 | <2 | <1 | 1 | <0.01 | <10 | <10 | 41 | <10 | 18 |
| 36 | 223837 | 3.21 | 10 | 1 | 0.10 | <10 | 0.72 | 1320 | 1 | 0.02 | 1 | 330 | 2 | <2 | 2 | 24 | <0.01 | <10 | <10 | 5 | <10 | 118 |
| 37 | 223838 | 4.67 | 10 | <1 | 0.19 | <10 | 1.08 | 1350 | <1 | 0.04 | 4 | 390 | 4 | 4 | 8 | 28 | 0.07 | <10 | <10 | 52 | <10 | 116 |
| 38 | 223839 | 2.28 | <10 | <1 | 0.04 | 10 | 0.12 | 165 | <1 | 0.17 | <1 | 650 | <2 | <2 | 3 | 3 | 0.04 | <10 | <10 | 15 | <10 | 52 |
| 39 | 223840 | 1.58 | <10 | 1 | 0.02 | <10 | 0.06 | 195 | <1 | 0.12 | 3 | 250 | 4 | <2 | 4 | 4 | <0.01 | <10 | <10 | 11 | <10 | 56 |
| 40 | 223841 | 3.37 | 10 | <1 | 0.23 | 20 | 0.98 | 990 | <1 | 0.06 | 1 | 360 | 6 | <2 | 5 | 16 | 0.01 | <10 | <10 | 12 | <10 | 94 |
| 41 | 223842 | 7.32 | 20 | <1 | 0.43 | 10 | 2.04 | 2420 | <1 | 0.03 | 9 | 370 | 18 | <2 | 15 | 40 | 0.62 | <10 | <10 | 173 | 20 | 116 |
| 42 | 223843 | 1.36 | <10 | <1 | 0.23 | <10 | 0.25 | 525 | 1 | 0.04 | 8 | 210 | 10 | <2 | 1 | 28 | 0.06 | <10 | <10 | 7 | <10 | 38 |
| 43 | 224403 | 5.96 | <10 | <1 | <0.01 | <10 | 2.06 | 610 | <1 | 0.04 | 15 | 920 | 8 | 2 | 11 | 21 | 0.36 | <10 | <10 | 236 | 10 | 90 |
| 44 | 224404 | 2.93 | <10 | <1 | 0.01 | <10 | 0.67 | 835 | <1 | 0.13 | 2 | 530 | 2 | 2 | 6 | 13 | 0.20 | <10 | <10 | 22 | <10 | 90 |
| 45 | 224405 | 3.16 | <10 | <1 | 0.07 | <10 | 0.70 | 945 | <1 | 0.09 | 1 | 870 | 2 | <2 | 7 | 20 | 0.19 | <10 | <10 | 25 | <10 | 68 |
| 46 | 224406 | 4.06 | <10 | <1 | <0.01 | <10 | 2.51 | 790 | <1 | 0.06 | 12 | 370 | <2 | <2 | 5 | 23 | 0.45 | <10 | <10 | 137 | 10 | 58 |
| 47 | 224445 | 4.49 | <10 | <1 | 0.10 | <10 | 2.72 | 1075 | <1 | 0.03 | 36 | 620 | 8 | <2 | 4 | 63 | 0.41 | <10 | <10 | 106 | 20 | 64 |
| 48 | 224521 | 3.92 | <10 | <1 | <0.01 | <10 | 0.78 | 780 | <1 | 0.21 | 1 | 870 | <2 | <2 | 9 | 13 | 0.32 | <10 | <10 | 31 | <10 | 76 |
| 49 | 224527 | 1.49 | <10 | <1 | 0.03 | <10 | 1.87 | 1540 | 7 | 0.01 | 8 | 280 | 630 | 2 | 1 | 1065 | <0.01 | <10 | <10 | 6 | <10 | 116 |
| 50 | 224528 | 2.86 | <10 | <1 | 0.10 | <10 | 2.98 | 2210 | 3 | 0.02 | 12 | 210 | 12 | <2 | 2 | 681 | <0.01 | <10 | <10 | 6 | <10 | 48 |
| 51 | 224529 | 4.37 | <10 | 1 | 0.10 | <10 | 1.28 | 730 | <1 | 0.02 | 97 | 750 | 6 | <2 | 6 | 159 | <0.01 | <10 | <10 | 37 | <10 | 86 |
| 52 | 224530 | 1.67 | <10 | <1 | 0.17 | <10 | 0.04 | 805 | <1 | 0.07 | 1 | 250 | <2 | <2 | 2 | 8 | <0.01 | <10 | <10 | <1 | <10 | 56 |
| 53 | 224531 | 1.28 | <10 | <1 | 0.28 | <10 | 0.09 | 330 | 1 | 0.04 | 1 | 150 | 4 | <2 | 1 | 3 | <0.01 | <10 | <10 | <1 | <10 | 60 |
| 54 | 224532 | 1.14 | <10 | <1 | 0.08 | <10 | 0.14 | 45 | <1 | 0.04 | 1 | 30 | 70 | <2 | <1 | 5 | <0.01 | <10 | <10 | <1 | <10 | 44 |
| 55 | 224533 | 2.13 | <10 | <1 | 0.05 | <10 | 0.16 | 835 | <1 | 0.03 | 6 | 190 | 4 | <2 | 2 | 3 | <0.01 | <10 | <10 | 20 | <10 | 450 |
| 56 | 224534 | 2.86 | <10 | <1 | 0.34 | <10 | 0.20 | 45 | <1 | <0.01 | 16 | 1130 | 6 | <2 | 3 | 21 | 0.40 | <10 | <10 | 27 | <10 | 40 |
| 57 | 224567 | 1.01 | <10 | <1 | <0.01 | <10 | 0.03 | 20 | 1 | 0.20 | 2 | 20 | 2 | <2 | 1 | 1 | 0.02 | <10 | <10 | 1 | <10 | 8 |
| 58 | 224568 | 1.23 | <10 | <1 | <0.01 | <10 | 0.04 | 20 | 1 | 0.21 | 2 | 30 | 2 | <2 | 2 | 1 | 0.06 | <10 | <10 | 2 | <10 | 6 |
| 59 | 224569 | 12.50 | <10 | <1 | <0.01 | <10 | <0.01 | 10 | <1 | 0.16 | 2 | 30 | 2 | 6 | <1 | <1 | 0.02 | <10 | <10 | 1 | <10 | 4 |
| 60 | 224570 | >15.00 | <10 | <1 | <0.01 | <10 | 0.01 | 20 | 1 | 0.16 | 3 | 10 | 6 | 4 | <1 | <1 | 0.01 | <10 | <10 | 1 | <10 | 4 |
| 61 | 224571 | 4.74 | <10 | 1 | 0.08 | <10 | 2.40 | 1055 | <1 | 0.03 | 10 | 480 | 2 | <2 | 7 | 5 | 0.06 | <10 | <10 | 65 | <10 | 94 |
| 62 | 224572 | 1.53 | <10 | <1 | <0.01 | <10 | 0.10 | 45 | 1 | 0.18 | 2 | 30 | <2 | <2 | 2 | 1 | 0.04 | <10 | <10 | 2 | <10 | 12 |
| 63 | 224573 | 5.57 | <10 | <1 | 0.01 | <10 | 0.20 | 105 | 2 | 0.16 | 3 | 170 | 2 | <2 | 1 | <1 | 0.01 | <10 | <10 | 9 | <10 | 72 |
| 64 | 224574 | 3.23 | <10 | 1 | 0.01 | <10 | 0.77 | 225 | <1 | 0.15 | 3 | 220 | 2 | <2 | 5 | 1 | <0.01 | <10 | <10 | 8 | <10 | 94 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Al2O3 | CaO | Cr2O3 | Fe2O3 | K2O | MgO | MnO | Na2O | P2O5 | SiO2 | TiO2 | LOI | TOTAL | Ba | Rb | Sr | Nb | Zr | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | % | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 33 | 223834 | 15.82 | 12.58 | 0.03 | 10.38 | 0.16 | 4.64 | 0.18 | 3.02 | 0.22 | 42.80 | 1.46 | 7.91 | 99.20 | 20 | <10 | 210 | <10 | 80 | 20 |
| 33 | 223835 | 24.16 | 3.97 | 0.04 | 7.05 | 4.13 | 2.12 | 0.04 | 3.62 | 0.35 | 47.64 | 2.21 | 4.49 | 99.82 | 740 | 40 | 80 | <10 | 110 | 30 |
| 33 | 223836 | 0.63 | 0.16 | 0.02 | 6.72 | 0.07 | 0.23 | <0.01 | <0.01 | 0.06 | 90.87 | 0.01 | 0.34 | 99.11 | <20. | <10 | <10 | <10 | 10 | <10 |
| 36 | 223837 | 12.21 | 4.06 | 0.01 | 5.40 | 2.39 | 1.30 | 0.19 | 1.15 | 0.08 | 67.26 | 0.54 | 4.73 | 99.32 | 120 | 20 | 40 | <10 | 270 | 60 |
| 37 | 223838 | 12.64 | 4.96 | 0.01 | 7.39 | 1.46 | 1.88 | 0.19 | 2.60 | 0.10 | 62.06 | 0.71 | 5.53 | 99.53 | 60 | 10 | 30 | <10 | 220 | 40 |
| 38 | 223839 | 13.96 | 0.43 | 0.01 | 3.23 | 0.30 | 0.18 | 0.01 | 7.67 | 0.17 | 71.73 | 0.70 | 0.66 | 99.05 | 20 | <10 | 10 | <10 | 320 | 80 |
| 39 | 223840 | 10.75 | 0.23 | 0.01 | 2.23 | 0.15 | 0.09 | 0.01 | 5.96 | 0.08 | 78.73 | 0.40 | 0.57 | 99.21 | 20 | <10 | 40 | <10 | 450 | 160 |
| 40 | 223841 | 12.78 | 1.09 | 0.02 | 5.50 | 1.31 | 1.82 | 0.12 | 4.15 | 0.09 | 69.39 | 0.59 | 2.48 | 99.34 | 160 | 10 | 20 | <10 | 320 | 90 |
| 41 | 223842 | 19.43 | 3.52 | 0.01 | 12.10 | 3.56 | 4.08 | 0.38 | 2.92 | 0.09 | 45.77 | 1.59 | 5.65 | 99.10 | 540 | 30 | 60 | <10 | 50 | 20 |
| 42 | 223843 | | | | | | | | | | | | | | | | | | | |
| 43 | 224403 | 15.01 | 4.76 | 0.03 | 9.94 | 0.19 | 3.60 | 0.08 | 7.16 | 0.26 | 52.10 | 1.88 | 4.17 | 99.18 | 100 | <10 | 80 | <10 | 110 | 30 |
| 44 | 224404 | 14.02 | 2.33 | <0.01 | 4.50 | 0.17 | 1.21 | 0.11 | 7.39 | 0.13 | 66.24 | 0.69 | 2.15 | 98.94 | 40 | <10 | 60 | <10 | 310 | 70 |
| 45 | 224405 | 13.76 | 2.97 | <0.01 | 5.08 | 0.40 | 1.26 | 0.13 | 6.57 | 0.21 | 65.55 | 0.82 | 2.52 | 99.27 | 100 | <10 | 110 | <10 | 260 | 60 |
| 46 | 224406 | 16.09 | 8.26 | 0.02 | 11.20 | 0.11 | 6.57 | 0.19 | 4.73 | 0.11 | 47.81 | 1.04 | 3.61 | 99.74 | 20 | <10 | 240 | <10 | 50 | 10 |
| 47 | 224445 | 15.03 | 12.07 | 0.05 | 10.23 | 0.55 | 6.13 | 0.21 | 4.00 | 0.17 | 42.11 | 1.10 | 8.52 | 100.17 | 40 | <10 | 110 | <10 | 60 | 10 |
| 48 | 224521 | 14.50 | 1.48 | 0.01 | 5.21 | 0.11 | 1.18 | 0.10 | 7.28 | 0.22 | 66.23 | 0.83 | 2.01 | 99.16 | 60 | <10 | 70 | <10 | 220 | 50 |
| 49 | 224527 | 1.79 | 30.76 | 0.02 | 2.49 | 0.44 | 3.10 | 0.29 | 0.03 | 0.08 | 31.68 | 0.08 | 28.35 | 99.11 | 80 | <10 | 810 | <10 | 10 | 10 |
| 50 | 224528 | 4.21 | 24.65 | 0.01 | 4.65 | 1.22 | 4.66 | 0.42 | 0.13 | 0.06 | 32.58 | 0.10 | 26.77 | 99.46 | 200 | 10 | 570 | <10 | 10 | 10 |
| 51 | 224529 | 12.66 | 4.51 | 0.06 | 6.50 | 1.60 | 2.28 | 0.11 | 2.18 | 0.18 | 58.93 | 0.57 | 9.49 | 99.07 | 380 | 20 | 190 | <10 | 60 | 10 |
| 52 | 224530 | 12.61 | 0.22 | 0.01 | 2.64 | 0.96 | 0.24 | 0.09 | 6.47 | 0.07 | 74.59 | 0.31 | 0.99 | 99.20 | 100 | <10 | 30 | <10 | 230 | 60 |
| 53 | 224531 | 9.96 | 0.06 | 0.02 | 2.29 | 1.68 | 0.55 | 0.05 | 3.92 | 0.04 | 78.76 | 0.25 | 1.21 | 98.79 | 280 | 10 | <10 | <10 | 190 | 60 |
| 54 | 224532 | 11.69 | 0.05 | 0.02 | 1.68 | 1.87 | 0.65 | <0.01 | 2.37 | 0.01 | 78.64 | 0.37 | 1.87 | 99.22 | 580 | 10 | 40 | <10 | 280 | 70 |
| 55 | 224533 | 9.72 | 0.08 | 0.01 | 3.38 | 0.83 | 0.32 | 0.08 | 3.68 | 0.06 | 79.17 | 0.40 | 1.40 | 99.13 | 160 | <10 | 30 | <10 | 230 | 60 |
| 56 | 224534 | 16.86 | 2.68 | 0.01 | 5.61 | 4.27 | 3.87 | 0.08 | 4.73 | 0.24 | 55.12 | 0.83 | 5.00 | 99.30 | 1000 | 70 | 120 | <10 | 100 | 20 |
| 57 | 224567 | 14.69 | 0.12 | 0.03 | 1.42 | 0.13 | 0.05 | <0.01 | 9.01 | 0.01 | 72.41 | 0.31 | 1.03 | 99.21 | <20. | <10 | <10 | <10 | 450 | 60 |
| 58 | 224568 | 14.01 | 0.17 | 0.05 | 1.68 | 0.08 | 0.07 | <0.01 | 8.71 | 0.01 | 72.77 | 0.29 | 1.15 | 98.99 | <20. | <10 | <10 | <10 | 440 | 60 |
| 59 | 224569 | | | | | | | | | | | | | | | | | | | |
| 60 | 224570 | | | | | | | | | | | | | | | | | | | |
| 61 | 224571 | 18.63 | 0.45 | 0.01 | 7.34 | 0.94 | 4.08 | 0.15 | 6.79 | 0.12 | 57.31 | 0.70 | 2.61 | 99.33 | 160 | 10 | 20 | <10 | 60 | 10 |
| 62 | 224572 | 13.91 | 0.16 | 0.03 | 2.13 | 0.08 | 0.14 | <0.01 | 8.57 | 0.01 | 71.82 | 0.33 | 1.33 | 98.51 | <20. | <10 | <10 | <10 | 460 | 70 |
| 63 | 224573 | 13.50 | 0.17 | 0.02 | 7.80 | 0.17 | 0.32 | <0.01 | 7.87 | 0.04 | 64.84 | 0.29 | 3.80 | 98.82 | 20 | <10 | <10 | <10 | 360 | 70 |
| 64 | 224574 | 15.85 | 0.08 | 0.02 | 4.39 | 0.13 | 1.21 | 0.02 | 8.67 | 0.06 | 66.32 | 0.35 | 2.01 | 99.11 | 20 | <10 | <10 | 10 | 500 | 40 |

MT. BODINE AREA - SUMMARY OF RESULTS

Stikine Arch Survey - Sitlika Group - NTS 93N/12

| RX No. | Description | Zone | Al2O3 | CaO | Fe2O3 | K2O | MgO | Na2O | SiO2 | TiO2 | Cu | Pb | Zn | As | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222585 | ands; tr py-po, cal vnlts | W. ridge | 15.83 | 5.22 | 12.39 | 0.10 | 5.30 | 4.19 | 50.94 | 1.39 | 30 | 12 | 92 | 32 | 1 |
| 222586 | silica-clay altered dacite | W. ridge | 11.22 | 0.04 | 4.03 | 0.56 | 1.08 | 4.94 | 75.36 | 0.29 | 1 | 4 | 118 | 2 | 1 |
| 222587 | musc-chlr schist; tr py | Crystal | 12.30 | 0.24 | 4.88 | 3.19 | 2.95 | 1.62 | 70.59 | 0.58 | 1 | 2 | 102 | 2 | 1 |
| 222588 | chlorite schist | Crystal | 17.76 | 1.27 | 4.78 | 4.54 | 2.93 | 3.36 | 60.15 | 0.37 | 1 | 4 | 144 | 6 | 1 |
| 222589 | mass pyrite, slcs bands | Crystal | 3.52 | 0.08 | 25.69 | 0.36 | 1.89 | 0.01 | 55.74 | 0.18 | 19 | 34 | 204 | 30 | 33 |
| 222590 | feld-phyric rhyolite (cap) | Crystal | 10.59 | 0.20 | 2.14 | 0.17 | 0.23 | 5.78 | 79.14 | 0.20 | 1 | 6 | 86 | 6 | 1 |
| 222591 | qtz-sericite alt'd; gossan | Crystal | 11.36 | 0.04 | 3.83 | 0.17 | 0.31 | 6.70 | 74.29 | 0.46 | 1 | 6 | 26 | 8 | 1 |
| 222592 | chlr stringer cutting fol'n | Crystal | 18.25 | 0.08 | 9.97 | 0.14 | 3.36 | 7.66 | 55.38 | 0.74 | 1 | 8 | 346 | 2 | 1 |
| 222596 | strong chl alt'n (as 587) | S. ridge | 13.33 | 0.78 | 8.63 | 3.55 | 4.07 | 0.07 | 64.93 | 0.40 | 2 | 4 | 208 | 8 | 1 |
| 222597 | qtz-magnetite alteration | S. ridge | 0.59 | 0.23 | 10.52 | 0.17 | 0.08 | 0.01 | 86.99 | 0.03 | 1 | 4 | 22 | 2 | 1 |
| 222600 | hem qtz-mag (as 597) | S. ridge | 1.70 | 0.57 | 15.21 | 0.07 | 0.62 | 0.01 | 80.09 | 0.05 | 1 | 2 | 36 | 2 | 1 |
| 223824 | chlr schist (adj to 222600) | S. ridge | 9.81 | 0.41 | 5.37 | 2.45 | 2.61 | 0.51 | 75.03 | 0.35 | 1 | 4 | 136 | 2 | 1 |
| 223825 | chlorite schist, weakly mtc | S. ridge | 15.73 | 0.20 | 5.46 | 6.48 | 3.12 | 0.38 | 63.99 | 0.47 | 1 | 2 | 98 | 2 | 1 |
| 223831 | qtz-sericite-carb schist | W. basin | 13.40 | 0.17 | 5.54 | 4.76 | 1.30 | 0.35 | 69.79 | 0.40 | 1 | 2 | 88 | 2 | 1 |
| 223832 | qtz-sericite schist | W. basin | 6.63 | 0.08 | 7.17 | 1.03 | 0.16 | 2.36 | 79.02 | 0.25 | 6 | 20 | 8 | 10 | 20 |
| 223833 | light green dacite | Crystal | 13.00 | 0.42 | 5.52 | 3.17 | 2.69 | 1.96 | 68.88 | 0.45 | 1 | 2 | 106 | 2 | 1 |
| 223834 | chl-epi alt'd pillow basalt | Diver Pk. | 15.82 | 12.58 | 10.38 | 0.16 | 4.64 | 3.02 | 42.80 | 1.46 | 39 | 4 | 90 | 2 | 1 |
| 223835 | qtz-sericite sch (basaltic) | Diver Pk. | 24.16 | 3.97 | 7.05 | 4.13 | 2.12 | 3.62 | 47.64 | 2.21 | 72 | 4 | 88 | 16 | 1 |
| 223836 | hematitic slcs andesite | Diver Pk. | 0.63 | 0.16 | 6.72 | 0.07 | 0.23 | 0.01 | 90.87 | 0.01 | 2 | 2 | 18 | 2 | 1 |
| 223837 | muscovite-chlorite schist | Diver Pk. | 12.21 | 4.06 | 5.40 | 2.39 | 1.30 | 1.15 | 67.26 | 0.54 | 1 | 2 | 118 | 2 | 1 |
| 223838 | chlr schist near felsic dyke | Diver Pk. | 12.64 | 4.96 | 7.39 | 1.46 | 1.88 | 2.60 | 62.06 | 0.71 | 12 | 4 | 116 | 6 | 1 |
| 223839 | felsic dyke (adj 223838) | Diver Pk. | 13.96 | 0.43 | 3.23 | 0.30 | 0.18 | 7.67 | 71.73 | 0.70 | 1 | 2 | 52 | 2 | 1 |
| 223840 | hematitic qtz-mag alt'n | Diver Pk. | 10.75 | 0.23 | 2.23 | 0.15 | 0.09 | 5.96 | 78.73 | 0.40 | 9 | 4 | 56 | 2 | 1 |
| 223841 | chlorite-rich schist | Diver Pk. | 12.78 | 1.09 | 5.50 | 1.31 | 1.82 | 4.15 | 69.39 | 0.59 | 1 | 6 | 94 | 2 | 1 |
| 223842 | chlorite altered andesite | W. Basin | 19.43 | 3.52 | 12.10 | 3.56 | 4.08 | 2.92 | 45.77 | 1.59 | 65 | 18 | 116 | 6 | 1 |
| 223843 | chloritic felsic volc. | W. Basin | N/A | | | | | | | | 7 | 10 | 38 | 6 | 1 |
| 224935 | malachite stained felsic | Crystal | 13.96 | 0.38 | 7.37 | 0.15 | 2.4 | 4.7 | 64.57 | 0.95 | 1485 | 2 | 5410 | 4 | 2 |
| 224936 | chlr zone xctng ser sch | Crystal | 16.78 | 0.15 | 6.75 | 0.13 | 2.15 | 7.68 | 62.35 | 0.64 | 2 | 4 | 282 | 26 | 1 |
| 224937 | qtz-sericite schist, tr py | N. ridge | 10.97 | 0.09 | 3.17 | 0.91 | 3.9 | 2.56 | 74.97 | 0.4 | 16 | 12 | 470 | 14 | 4 |
| 121791 | fine-gr felsic volc, tr py | MB89-2; 15.5m | 11.43 | 0.43 | 6.42 | 0.32 | 2.7 | 4.12 | 66.47 | 0.72 | 20 | 2 | 1005 | 2 | 1 |
| 121792 | frtd felsic volc; sericitic | MB89-2; 21.2m | 11.99 | 0.43 | 6.84 | 0.33 | 3.32 | 3.88 | 63.83 | 0.73 | 49 | 2 | 772 | 6 | 4 |
| 121793 | sericitic felsic; tr sph, py | MB89-2; 44.5m | 12.14 | 0.42 | 7.77 | 0.23 | 4.26 | 3.88 | 62.14 | 0.75 | 119 | 2 | 2390 | 6 | 1 |
| 121794 | slcs felsic with carb altn | MB89-2; 55.5m | 12.08 | 0.41 | 6.88 | 0.27 | 2.8 | 4.37 | 64.05 | 0.73 | 24 | 2 | 908 | 2 | 1 |
| 121795 | fragmental; slcs, talcose | MB89-2; 75.1m | 9.85 | 0.38 | 12.96 | 1.8 | 2.32 | 0.83 | 59.98 | 0.46 | 1695 | 2 | 778 | 42 | 4 |
| 121796 | slcs fragmental; talcose | MB89-2;104.3m | 11.74 | 0.59 | 4.6 | 0.63 | 2.99 | 3.85 | 66.68 | 0.6 | 181 | 4 | 506 | 14 | 4 |
| 121797 | heterolithic frgmtl, talcose | MB89-2; 85.5m | 12.21 | 0.3 | 5 | 0.72 | 4.09 | 4.03 | 64.53 | 0.6 | 115 | 4 | 2030 | 24 | 4 |
| 121798 | fg, greenish volc; tr py | MB89-2;107.6m | 11.23 | 0.39 | 8.3 | 0.43 | 3.97 | 3.21 | 63.45 | 0.72 | 2320 | 2 | 298 | 14 | 5 |
| 121799 | fg, felsic volc; tr py | MB89-2;113.6m | 11.91 | 0.37 | 6.11 | 0.58 | 3.5 | 3.64 | 67.56 | 0.75 | 24 | 2 | 188 | 8 | 1 |
| 121800 | carbn, felsic volc; tr py | MB89-2;118.5m | 11.94 | 0.45 | 7.05 | 0.29 | 3.29 | 4.13 | 66.57 | 0.74 | 50 | 2 | 160 | 4 | 1 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Fe | Ga | Hg | K | La | Mg | Mn | Mo | Na | Ni | P | Pb | Sb | Sc | Sr | Tl | Tl | U | V | W | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | ppm | ppm | % | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 65 | 224575 | 1.18 | <10 | <1 | <0.01 | <10 | 0.03 | 25 | <1 | 0.17 | 1 | 170 | 2 | <2 | 2 | <1 | 0.02 | <10 | <10 | 3 | <10 | 6 |
| 66 | 224576 | 5.18 | <10 | 1 | 0.09 | <10 | 2.16 | 1180 | <1 | 0.09 | 11 | 520 | <2 | <2 | 8 | 15 | <0.01 | <10 | <10 | 78 | <10 | 140 |
| 67 | 224583 | 10.15 | <10 | <1 | <0.01 | <10 | 1.80 | 760 | 1 | <0.01 | 5 | 1430 | 6 | <2 | 6 | 21 | 0.82 | <10 | <10 | 171 | <10 | 88 |
| 68 | 224586 | 5.07 | <10 | <1 | <0.01 | <10 | <0.01 | 20 | 11 | 0.15 | 2 | 20 | <2 | <2 | <1 | 1 | <0.01 | <10 | <10 | 2 | <10 | 2 |
| 69 | 224587 | 5.89 | 10 | <1 | 0.04 | <10 | 1.66 | 1310 | <1 | 0.10 | 1 | 910 | 2 | <2 | 6 | 5 | 0.01 | <10 | <10 | 36 | <10 | 174 |
| 70 | 224588 | 5.16 | <10 | <1 | 0.03 | <10 | 3.64 | 1430 | <1 | <0.01 | 70 | 1350 | <2 | <2 | 7 | 34 | 0.33 | <10 | <10 | 154 | <10 | 82 |
| 71 | 224589 | 2.53 | <10 | 1 | 0.04 | <10 | 0.80 | 450 | <1 | 0.04 | 1 | 180 | 2 | <2 | 4 | 4 | 0.04 | <10 | <10 | 1 | <10 | 90 |
| 72 | 224590 | 1.57 | <10 | <1 | 0.01 | <10 | 0.11 | 70 | <1 | 0.13 | 2 | 110 | 6 | <2 | 2 | 8 | 0.07 | <10 | <10 | 1 | <10 | 14 |
| 73 | 224591 | 3.98 | <10 | <1 | 0.15 | <10 | 1.70 | 920 | <1 | 0.05 | 6 | 370 | <2 | <2 | 6 | 17 | 0.09 | <10 | <10 | 50 | <10 | 126 |
| 74 | 224595 | 3.67 | <10 | <1 | 0.18 | <10 | 1.31 | 740 | <1 | 0.01 | 9 | 740 | 2 | 2 | 2 | 152 | 0.22 | <10 | <10 | 57 | <10 | 74 |
| 75 | 224596 | 3.31 | 10 | 1 | <0.01 | <10 | 0.68 | 250 | 1 | 0.07 | 1 | 110 | <2 | <2 | 3 | 2 | 0.01 | <10 | <10 | 10 | <10 | 68 |
| 76 | 224597 | 5.36 | <10 | <1 | 0.18 | <10 | 1.26 | 565 | <1 | 0.02 | 7 | 170 | 2 | <2 | 5 | 50 | <0.01 | <10 | <10 | 52 | <10 | 72 |
| 77 | 224598 | 5.41 | <10 | <1 | 0.19 | <10 | 0.10 | 85 | 1 | <0.01 | 232 | 1430 | 2 | 4 | 9 | 38 | 0.40 | <10 | 10 | 25 | <10 | 174 |
| 78 | 224599 | 4.78 | <10 | <1 | 0.01 | <10 | 3.34 | 735 | <1 | <0.01 | 82 | 620 | <2 | <2 | 3 | 19 | 0.39 | <10 | <10 | 98 | <10 | 56 |
| 79 | 224600 | 5.52 | <10 | <1 | 0.01 | <10 | 3.98 | 1030 | <1 | <0.01 | 27 | 460 | <2 | <2 | 7 | 48 | 0.36 | <10 | <10 | 117 | <10 | 76 |
| 80 | 224623 | 1.01 | 10 | <1 | 0.47 | 20 | 0.11 | 455 | <1 | 0.09 | <1 | 50 | 4 | <2 | 1 | 9 | <0.01 | <10 | <10 | 2 | <10 | 34 |
| 81 | 224624 | 0.39 | <10 | <1 | 0.17 | <10 | 0.04 | 90 | <1 | 0.17 | 1 | 30 | <2 | 2 | <1 | 2 | <0.01 | <10 | <10 | <1 | <10 | 20 |
| 82 | 224625 | 7.29 | 10 | <1 | 0.10 | <10 | 2.37 | 605 | <1 | 0.07 | 173 | 270 | 6 | <2 | 11 | 16 | 0.41 | <10 | <10 | 85 | 20 | 70 |
| 83 | 224644 | 6.59 | <10 | <1 | 0.07 | <10 | 1.27 | 305 | 3 | 0.01 | 7 | 540 | <2 | <2 | 10 | 4 | 0.43 | <10 | <10 | 46 | <10 | 92 |
| 84 | 224645 | 1.69 | <10 | <1 | 0.01 | <10 | 0.44 | 330 | <1 | 0.04 | 1 | 130 | <2 | <2 | 6 | 9 | 0.10 | <10 | <10 | 11 | <10 | 44 |
| 85 | 224646 | 6.55 | 10 | 1 | 0.05 | 10 | 3.85 | 1310 | <1 | 0.01 | 14 | 680 | <2 | <2 | 17 | 24 | 0.34 | <10 | <10 | 219 | 20 | 104 |
| 86 | 224935 | 4.64 | 10 | <1 | <0.01 | <10 | 1.32 | 2530 | 2 | 0.03 | 1 | 1020 | 2 | 2 | 10 | 8 | <0.01 | <10 | <10 | 15 | 10 | 5410 |
| 87 | 224936 | 4.43 | 10 | <1 | <0.01 | <10 | 1.22 | 1855 | <1 | 0.06 | 1 | 330 | 4 | 2 | 10 | 1 | <0.01 | <10 | <10 | 8 | <10 | 282 |
| 88 | 224937 | 1.82 | <10 | <1 | 0.05 | <10 | 1.82 | 1350 | 4 | 0.02 | <1 | 270 | 12 | <2 | 1 | 2 | <0.01 | <10 | <10 | 1 | <10 | 470 |
| 89 | 224938 | 5.63 | <10 | <1 | 0.26 | 10 | 1.28 | 415 | 9 | 0.04 | 35 | 2840 | 4 | 2 | 11 | 13 | 0.29 | <10 | 10 | 169 | 10 | 66 |
| 90 | 224939 | 3.76 | <10 | <1 | 0.29 | 10 | 1.17 | 370 | <1 | 0.03 | 11 | 3150 | <2 | 2 | 6 | 31 | 0.13 | <10 | <10 | 82 | 10 | 82 |
| 91 | 224940 | 6.50 | 10 | <1 | 0.09 | 10 | 3.20 | 880 | <1 | 0.03 | 7 | 1740 | <2 | 2 | 10 | 6 | 0.40 | <10 | 10 | 144 | 10 | 200 |
| 92 | 224941 | 5.97 | <10 | <1 | 0.09 | <10 | 2.51 | 815 | <1 | 0.03 | 11 | 660 | <2 | 2 | 7 | 5 | 0.20 | <10 | 10 | 87 | 10 | 170 |

Sitlika Group Data

file: RxWarren.xls

| | RX | Al2O3 | CaO | Cr2O3 | Fe2O3 | K2O | MgO | MnO | Na2O | P2O5 | SiO2 | TiO2 | LOI | TOTAL | Ba | Rb | Sr | Nb | Zr | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sample | % | % | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 65 | 224575 | 11.80 | 0.06 | 0.03 | 1.50 | 0.12 | 0.06 | <0.01 | 7.08 | 0.05 | 77.57 | 0.28 | 0.92 | 99.47 | 20 | <10 | <10 | <10 | 460 | 90 |
| 66 | 224576 | 18.22 | 0.91 | 0.07 | 7.63 | 0.56 | 3.43 | 0.16 | 7.26 | 0.12 | 55.86 | 0.67 | 4.32 | 99.21 | 80 | <10 | 40 | <10 | 50 | 30 |
| 67 | 224583 | | | | | | | | | | | | | | | | | | | |
| 68 | 224586 | | | | | | | | | | | | | | | | | | | |
| 69 | 224587 | 17.95 | 0.43 | 0.01 | 8.63 | 0.18 | 2.65 | 0.18 | 8.31 | 0.21 | 57.05 | 0.79 | 2.68 | 99.07 | 120 | <10 | 40 | <10 | 110 | 40 |
| 70 | 224588 | 16.02 | 6.71 | 0.04 | 8.73 | 0.28 | 5.98 | 0.23 | 5.23 | 0.37 | 48.92 | 1.22 | 5.41 | 99.14 | 40 | <10 | 60 | <10 | 70 | 20 |
| 71 | 224589 | 13.56 | 0.31 | 0.38 | 3.87 | 0.34 | 1.25 | 0.06 | 6.97 | 0.05 | 70.33 | 0.36 | 1.36 | 98.84 | 40 | <10 | 10 | <10 | 510 | 80 |
| 72 | 224590 | 11.09 | 0.39 | 0.03 | 2.25 | 0.12 | 0.18 | <0.01 | 6.36 | 0.03 | 77.32 | 0.24 | 1.10 | 99.11 | 20 | <10 | 30 | <10 | 390 | 70 |
| 73 | 224591 | 15.60 | 1.53 | <0.01 | 6.40 | 1.10 | 2.93 | 0.13 | 5.76 | 0.09 | 62.51 | 0.66 | 2.64 | 99.35 | 140 | 10 | 50 | <10 | 120 | 30 |
| 74 | 224595 | | | | | | | | | | | | | | | | | | | |
| 75 | 224596 | 16.93 | 0.22 | <0.01 | 4.47 | 0.14 | 1.04 | 0.02 | 9.41 | 0.03 | 64.65 | 0.41 | 2.08 | 99.40 | 20 | <10 | 10 | <10 | 570 | 60 |
| 76 | 224597 | 15.42 | 1.93 | 0.01 | 8.31 | 1.62 | 2.22 | 0.08 | 4.56 | 0.04 | 61.01 | 0.78 | 2.94 | 98.92 | 360 | 30 | 110 | <10 | 150 | 20 |
| 77 | 224598 | 21.73 | 4.39 | 0.09 | 8.07 | 6.52 | 2.15 | 0.02 | 2.41 | 0.30 | 45.37 | 2.06 | 6.16 | 99.27 | 960 | 50 | 40 | <10 | 120 | 30 |
| 78 | 224599 | 15.12 | 8.27 | 0.07 | 11.13 | 0.24 | 9.46 | 0.18 | 2.62 | 0.15 | 47.72 | 1.32 | 3.41 | 99.69 | 180 | <10 | 110 | <10 | 70 | 20 |
| 79 | 224600 | 18.62 | 7.34 | 0.06 | 9.91 | 0.27 | 6.72 | 0.17 | 4.08 | 0.12 | 46.61 | 0.97 | 4.74 | 99.61 | 60 | <10 | 190 | <10 | 60 | 10 |
| 80 | 224623 | 13.96 | 0.54 | 0.03 | 2.32 | 2.86 | 0.75 | 0.07 | 5.20 | 0.01 | 70.99 | 0.13 | 1.88 | 98.74 | 240 | 20 | 10 | <10 | 260 | 110 |
| 81 | 224624 | 9.12 | 0.07 | 0.01 | 0.66 | 0.59 | 0.16 | <0.01 | 4.92 | 0.01 | 82.97 | 0.09 | 0.48 | 99.08 | 60 | <10 | <10 | <10 | 160 | 60 |
| 82 | 224625 | 19.49 | 4.41 | 0.15 | 11.59 | 0.69 | 4.09 | 0.09 | 5.33 | 0.08 | 45.91 | 1.67 | 5.78 | 99.28 | 100 | <10 | 170 | <10 | 120 | 20 |
| 83 | 224644 | 18.52 | 1.44 | 0.09 | 10.68 | 2.04 | 2.50 | 0.04 | 4.15 | 0.18 | 52.40 | 1.92 | 5.27 | 99.23 | 540 | 30 | 110 | <10 | 160 | 10 |
| 84 | 224645 | 12.08 | 0.61 | 0.05 | 2.60 | 0.16 | 0.75 | 0.03 | 6.11 | 0.04 | 75.27 | 0.33 | 1.16 | 99.19 | 40 | <10 | 70 | <10 | 320 | 70 |
| 85 | 224646 | 16.68 | 3.41 | 0.08 | 11.80 | 0.57 | 7.63 | 0.21 | 4.10 | 0.19 | 47.44 | 1.40 | 5.52 | 99.03 | 140 | 20 | 160 | <10 | 110 | 20 |
| 86 | 224935 | 13.96 | 0.38 | 0.01 | 7.37 | 0.15 | 2.40 | 0.33 | 4.70 | 0.27 | 64.57 | 0.95 | 4.84 | 99.93 | 20 | <10 | 30 | <10 | 180 | 40 |
| 87 | 224936 | 16.78 | 0.15 | 0.02 | 6.75 | 0.13 | 2.15 | 0.22 | 7.68 | 0.08 | 62.35 | 0.64 | 2.37 | 99.32 | 20 | <10 | 10 | <10 | 450 | 60 |
| 88 | 224937 | 10.97 | 0.09 | 0.02 | 3.17 | 0.91 | 3.90 | 0.20 | 2.56 | 0.08 | 74.97 | 0.40 | 2.58 | 99.85 | 300 | <10 | 10 | <10 | 240 | 60 |
| 89 | 224938 | | | | | | | | | | | | | | | | | | | |
| 90 | 224939 | 9.09 | 2.40 | 0.02 | 6.47 | 0.79 | 2.15 | 0.04 | 3.16 | 0.76 | 72.06 | 0.72 | 1.84 | 99.50 | 120 | 10 | 40 | <10 | 60 | 40 |
| 91 | 224940 | 18.23 | 2.47 | 0.03 | 10.99 | 0.82 | 6.07 | 0.12 | 5.48 | 0.41 | 48.33 | 1.96 | 4.52 | 99.43 | 120 | 10 | 30 | <10 | 180 | 30 |
| 92 | 224941 | 17.38 | 1.53 | 0.02 | 9.56 | 0.94 | 4.58 | 0.11 | 5.04 | 0.16 | 55.87 | 0.75 | 3.75 | 99.69 | 140 | <10 | 40 | <10 | 380 | 50 |

MT. BODINE AREA - SUMMARY OF RESULTS

Stikine Arch Survey - Sitlika Group - NTS 93N/12

| RX No. | Description | Zone | Al2O3 | CaO | Fe2O3 | K2O | MgO | Na2O | SiO2 | TiO2 | Cu | Pb | Zn | As | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222585 | ands; tr py-po, cal vnlts | W. ridge | 15.83 | 5.22 | 12.39 | 0.10 | 5.30 | 4.19 | 50.94 | 1.39 | 30 | 12 | 92 | 32 | 1 |
| 222586 | silica-clay altered dacite | W. ridge | 11.22 | 0.04 | 4.03 | 0.56 | 1.08 | 4.94 | 75.36 | 0.29 | 1 | 4 | 118 | 2 | 1 |
| 222587 | musc-chlr schist; tr py | Crystal | 12.30 | 0.24 | 4.88 | 3.19 | 2.95 | 1.62 | 70.59 | 0.58 | 1 | 2 | 102 | 2 | 1 |
| 222588 | chlorite schist | Crystal | 17.76 | 1.27 | 4.78 | 4.54 | 2.93 | 3.36 | 60.15 | 0.37 | 1 | 4 | 144 | 6 | 1 |
| 222589 | mass pyrite, slcs bands | Crystal | 3.52 | 0.08 | 25.69 | 0.36 | 1.89 | 0.01 | 55.74 | 0.18 | 19 | 34 | 204 | 30 | 33 |
| 222590 | feld-phyric rhyolite (cap) | Crystal | 10.59 | 0.20 | 2.14 | 0.17 | 0.23 | 5.78 | 79.14 | 0.20 | 1 | 6 | 86 | 6 | 1 |
| 222591 | qtz-sericite alt'd; gossan | Crystal | 11.36 | 0.04 | 3.83 | 0.17 | 0.31 | 6.70 | 74.29 | 0.46 | 1 | 6 | 26 | 8 | 1 |
| 222592 | chlr stringer cutting fol'n | Crystal | 18.25 | 0.08 | 9.97 | 0.14 | 3.36 | 7.66 | 55.38 | 0.74 | 1 | 8 | 346 | 2 | 1 |
| 222596 | strong chl alt'n (as 587) | S. ridge | 13.33 | 0.78 | 8.63 | 3.55 | 4.07 | 0.07 | 64.93 | 0.40 | 2 | 4 | 208 | 8 | 1 |
| 222597 | qtz-magnetite alteration | S. ridge | 0.59 | 0.23 | 10.52 | 0.17 | 0.08 | 0.01 | 86.99 | 0.03 | 1 | 4 | 22 | 2 | 1 |
| 222600 | hem qtz-mag (as 597) | S. ridge | 1.70 | 0.57 | 15.21 | 0.07 | 0.62 | 0.01 | 80.09 | 0.05 | 1 | 2 | 36 | 2 | 1 |
| 223824 | chlr schist (adj to 222600) | S. ridge | 9.81 | 0.41 | 5.37 | 2.45 | 2.61 | 0.51 | 75.03 | 0.35 | 1 | 4 | 136 | 2 | 1 |
| 223825 | chlorite schist, weakly mtc | S. ridge | 15.73 | 0.20 | 5.46 | 6.48 | 3.12 | 0.38 | 63.99 | 0.47 | 1 | 2 | 98 | 2 | 1 |
| 223831 | qtz-sericite-carb schist | W. basin | 13.40 | 0.17 | 5.54 | 4.76 | 1.30 | 0.35 | 69.79 | 0.40 | 1 | 2 | 88 | 2 | 1 |
| 223832 | qtz-sericite schist | W. basin | 6.63 | 0.08 | 7.17 | 1.03 | 0.16 | 2.36 | 79.02 | 0.25 | 6 | 20 | 8 | 10 | 20 |
| 223833 | light green dacite | Crystal | 13.00 | 0.42 | 5.52 | 3.17 | 2.69 | 1.96 | 68.88 | 0.45 | 1 | 2 | 106 | 2 | 1 |
| 223834 | chl-epi alt'd pillow basalt | Diver Pk. | 15.82 | 12.58 | 10.38 | 0.16 | 4.64 | 3.02 | 42.80 | 1.46 | 39 | 4 | 90 | 2 | 1 |
| 223835 | qtz-sericite sch (basaltic) | Diver Pk. | 24.16 | 3.97 | 7.05 | 4.13 | 2.12 | 3.62 | 47.64 | 2.21 | 72 | 4 | 88 | 16 | 1 |
| 223836 | hematitic slcs andesite | Diver Pk. | 0.63 | 0.16 | 6.72 | 0.07 | 0.23 | 0.01 | 90.87 | 0.01 | 2 | 2 | 18 | 2 | 1 |
| 223837 | muscovite-chlorite schist | Diver Pk. | 12.21 | 4.06 | 5.40 | 2.39 | 1.30 | 1.15 | 67.26 | 0.54 | 1 | 2 | 118 | 2 | 1 |
| 223838 | chlr schist near felsic dyke | Diver Pk. | 12.64 | 4.96 | 7.39 | 1.46 | 1.88 | 2.60 | 62.06 | 0.71 | 12 | 4 | 116 | 6 | 1 |
| 223839 | felsic dyke (adj 223838) | Diver Pk. | 13.96 | 0.43 | 3.23 | 0.30 | 0.18 | 7.67 | 71.73 | 0.70 | 1 | 2 | 52 | 2 | 1 |
| 223840 | hematitic qtz-mag alt'n | Diver Pk. | 10.75 | 0.23 | 2.23 | 0.15 | 0.09 | 5.96 | 78.73 | 0.40 | 9 | 4 | 56 | 2 | 1 |
| 223841 | chlorite-rich schist | Diver Pk. | 12.78 | 1.09 | 5.50 | 1.31 | 1.82 | 4.15 | 69.39 | 0.59 | 1 | 6 | 94 | 2 | 1 |
| 223842 | chlorite altered andesite | W. Basin | 19.43 | 3.52 | 12.10 | 3.56 | 4.08 | 2.92 | 45.77 | 1.59 | 65 | 18 | 116 | 6 | 1 |
| 223843 | chloritic felsic volc. | W. Basin | N/A | | | | | | | | 7 | 10 | 38 | 6 | 1 |
| 224935 | malachite stained felsic | Crystal | 13.96 | 0.38 | 7.37 | 0.15 | 2.4 | 4.7 | 64.57 | 0.95 | 1485 | 2 | 5410 | 4 | 2 |
| 224936 | chlr zone xctng ser sch | Crystal | 16.78 | 0.15 | 6.75 | 0.13 | 2.15 | 7.68 | 62.35 | 0.64 | 2 | 4 | 282 | 26 | 1 |
| 224937 | qtz-sericite schist, tr py | N. ridge | 10.97 | 0.09 | 3.17 | 0.91 | 3.9 | 2.56 | 74.97 | 0.4 | 16 | 12 | 470 | 14 | 4 |
| 121791 | fine-gr felsic volc, tr py | MB89-2; 15.5m | 11.43 | 0.43 | 6.42 | 0.32 | 2.7 | 4.12 | 66.47 | 0.72 | 20 | 2 | 1005 | 2 | 1 |
| 121792 | frtd felsic volc; sericitic | MB89-2; 21.2m | 11.99 | 0.43 | 6.84 | 0.33 | 3.32 | 3.88 | 63.83 | 0.73 | 49 | 2 | 772 | 6 | 4 |
| 121793 | sericitic felsic; tr sph, py | MB89-2; 44.5m | 12.14 | 0.42 | 7.77 | 0.23 | 4.26 | 3.88 | 62.14 | 0.75 | 119 | 2 | 2390 | 6 | 1 |
| 121794 | slcs felsic with carb altn | MB89-2; 55.5m | 12.08 | 0.41 | 6.88 | 0.27 | 2.8 | 4.37 | 64.05 | 0.73 | 24 | 2 | 908 | 2 | 1 |
| 121795 | fragmental; slcs, talcose | MB89-2; 75.1m | 9.85 | 0.38 | 12.96 | 1.8 | 2.32 | 0.83 | 59.98 | 0.46 | 1695 | 2 | 778 | 42 | 4 |
| 121796 | slcs fragmental; talcose | MB89-2;104.3m | 11.74 | 0.59 | 4.6 | 0.63 | 2.99 | 3.85 | 66.68 | 0.6 | 181 | 4 | 506 | 14 | 4 |
| 121797 | heterolithic frgmtl, talcose | MB89-2; 85.5m | 12.21 | 0.3 | 5 | 0.72 | 4.09 | 4.03 | 64.53 | 0.6 | 115 | 4 | 2030 | 24 | 4 |
| 121798 | fg, greenish volc; tr py | MB89-2;107.6m | 11.23 | 0.39 | 8.3 | 0.43 | 3.97 | 3.21 | 63.45 | 0.72 | 2320 | 2 | 298 | 14 | 5 |
| 121799 | fg, felsic volc; tr py | MB89-2;113.6m | 11.91 | 0.37 | 6.11 | 0.58 | 3.5 | 3.64 | 67.56 | 0.75 | 24 | 2 | 188 | 8 | 1 |
| 121800 | carbn, felsic volc; tr py | MB89-2;118.5m | 11.94 | 0.45 | 7.05 | 0.29 | 3.29 | 4.13 | 66.57 | 0.74 | 50 | 2 | 160 | 4 | 1 |

## DESCRIPTION OF SHOWINGS

### (No.1) EUREKA SHOWING

The Eureka showing is described by Shell Canada Minerals as a massive sulphide lens striking 1-2 meters with a width of 6.1 meters. Values assay 4.34% Cu .05% Zn, .058 oz/t Au and 2.5 oz/t Ag Mcleod 1981).

The showing occurs close to the Felsic Volcanic - Sediment contact within a zone of disseminated pyrite which has been traced for 3000 metres to the north and parallel to the argillite contact.

Noranda drilled a short drill hole under the showing in 1989 ( assessment Report 19935). The core is stored North of Chuchi Lake at the old Noranda Camp. A trip was made to this site and the core resampled and examined by myself and INCO staff.

### (No.2) C1 SHOWING

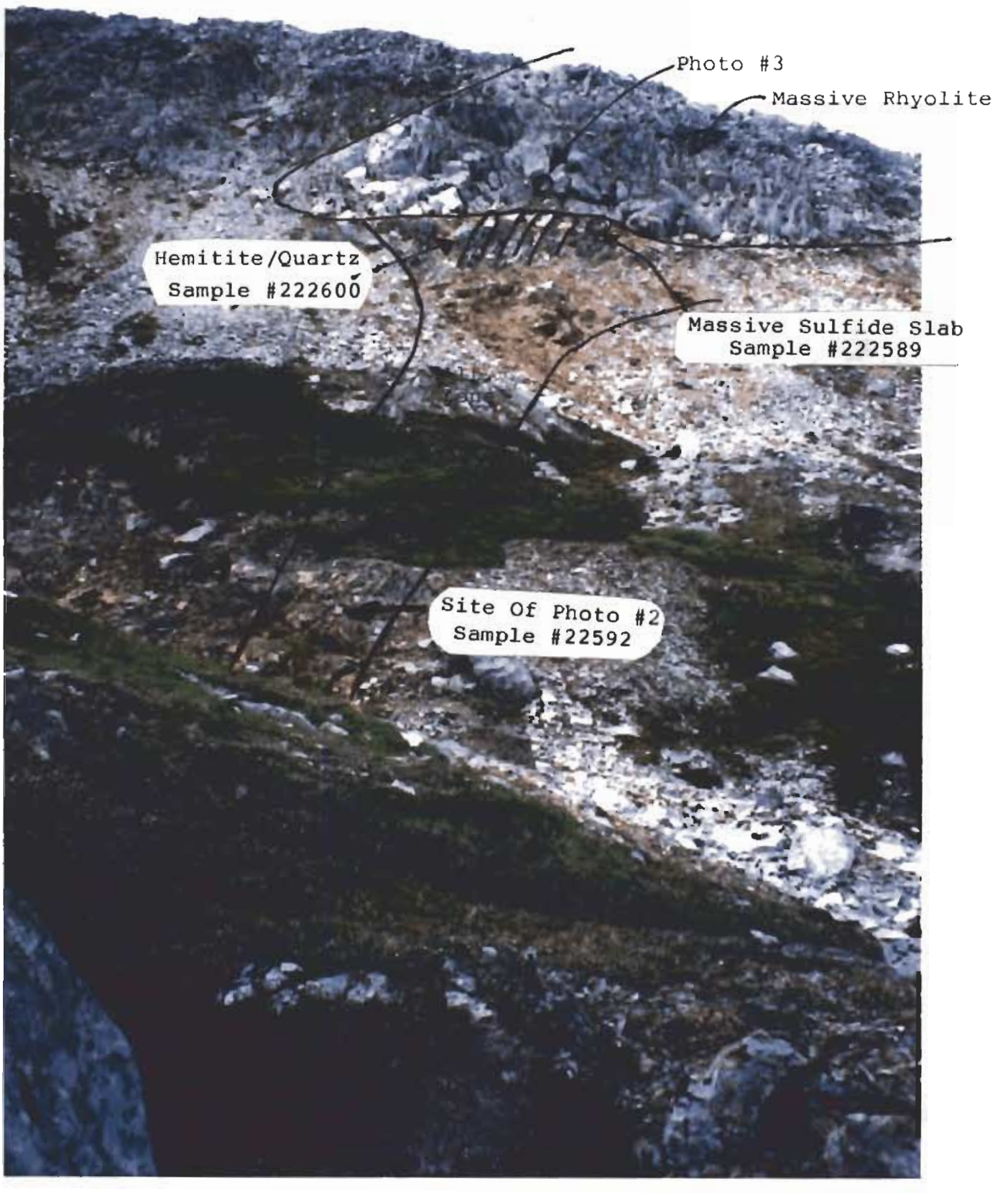
Located midway between the Crystal and Eureka Showings. Consists of a large frost heaved slab of Felsic Volcanics containing chalcopyrite and FePy.

Assayed: .47% Cu .5% Zn.

### (No.3) CRYSTAL SHOWING

Consists of a 2 to 5 cm wide band of laminated pyrite and chert found on a large rock slab in the talus near the contact between chloritic volcaniclastics and massive rhyolite. A Chlorite, magnetite and hemitite alteration zone is exposed below the position of this slab.

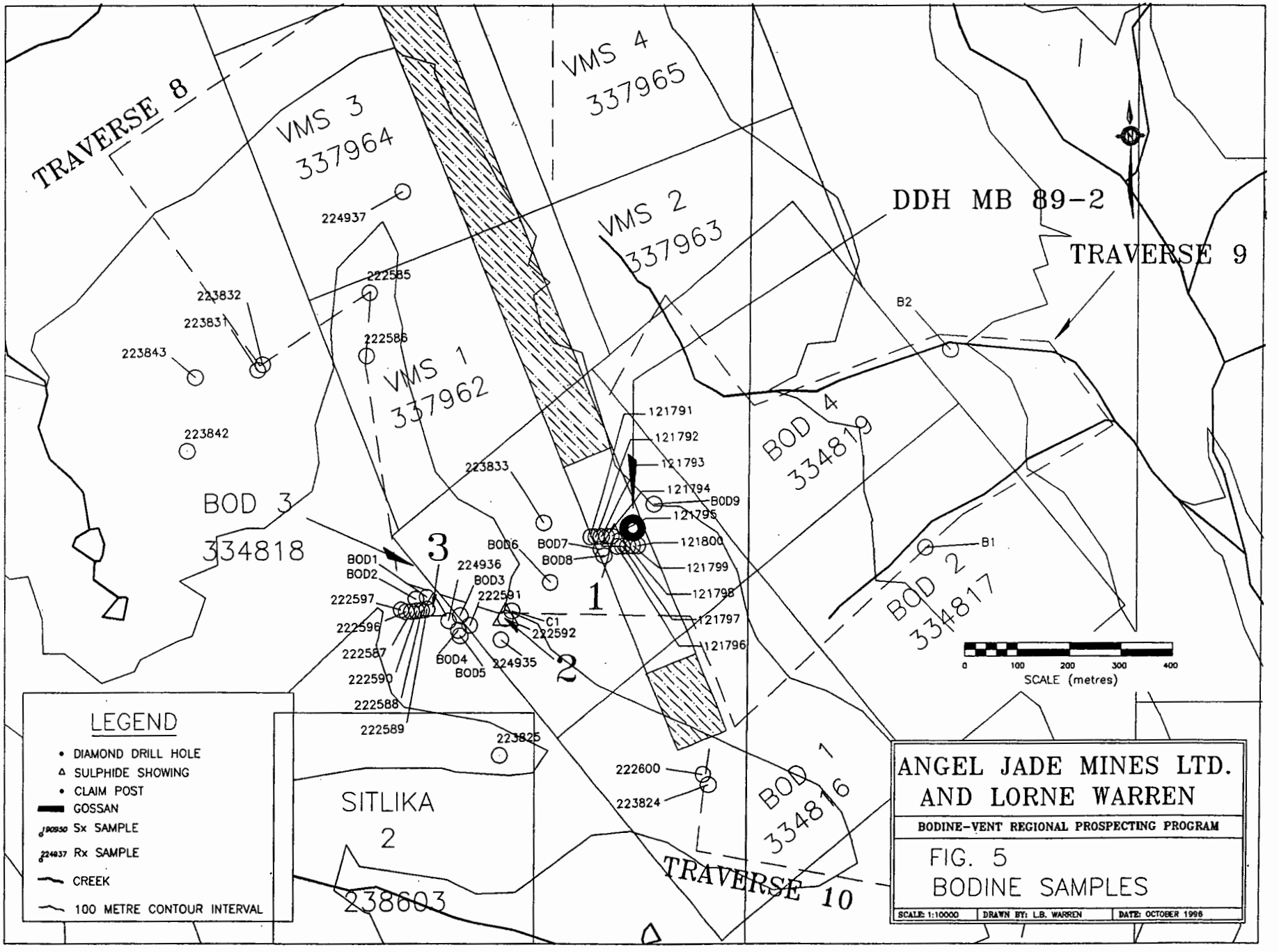
CRYSTAL SHOWING



CRYSTAL SHOWING _ Mt. Bodine Area - Laminated FEPY -

PHOTO # 2 -Chlorite/Magnetite Alt. - Crystal showing Mt. Bodine Area


PHOTO # 3 CRYSTAL SHOWING - Rhyolite Fragments


TRAVERSE 8
VMS 3
337964
VMS 4
337965
VMS 2
337963
VMS 1
337962
DDH MB 89-2
TRAVERSE 9
224937
222585
222586
223832
223831
223843
223842
B2
121791
121792
121793
121794
B0D9
121795
121800
121799
121798
121797
121796
223833
BOD 4
334819
BOD 3
334818
BOD1
BOD2
BOD6
BOD7
BOD8
224936
BOD3
222597
222591
222596
C1
222592
222587
222590
222588
222589
BOD4
BOD5
224935
3
1
2
B1
BOD 2
334817
0
100
200
300
400
SCALE (metres)
223825
222600
223824
SITLIKA
2
238603
BOD 1
334816
TRAVERSE 10
LEGEND
DIAMOND DRILL HOLE
SULPHIDE SHOWING
CLAIM POST
GOSSAN
Sx SAMPLE
Rx SAMPLE
CREEK
100 METRE CONTOUR INTERVAL
ANGEL JADE MINES LTD.
AND LORNE WARREN
BODINE-VENT REGIONAL PROSPECTING PROGRAM
FIG. 5
BODINE SAMPLES
SCALE: 1:10000
DRAWN BY: L.B. WARREN
DATE: OCTOBER 1998

Description of showings cont.

(No.4) VENT SHOWING

The Vent showing was discovered in August of 1995 during a helicopter recon program investigating gossans in the Sitlika Volcanics. The showing occurs in a steep walled canyon (see photo 1) on the east wall of the canyon on outcrop 6 to 10 meters high and 7 meters across. The breccia body is composed of sub-angular and partly rounded fragments up to 30 cm in size of bleached, silicified and sericitized volcanic rock probably of dacitic composition originally. The clasts are set in a pyritic matrix. The overall geometry of the body is difficult to determine. The contacts with the surrounding rock are steeply dipping where exposed and may represent a feeder pipe or vent. However, more alteration and silicification of the zone would be expected if this area were a major exhalative center.

The samples from the breccia contained only background amounts of base metals, one slightly elevated zinc value of 102 ppm, and no precious metal values. A soil grid over the showing did not identify any anomalous metals in the vicinity of the breccia and only minor anomalous values at other localities on the grid. Poor exposure along strike prevents proper sampling of this showing.

PHOTO #6 - Vent showing Outcrop - Looking north from head of Vent ck. canyon

PHOTO # 7 - / VENT SHOWING - Looking East

PHOTO # 8 - Close-up of Vent Breccia

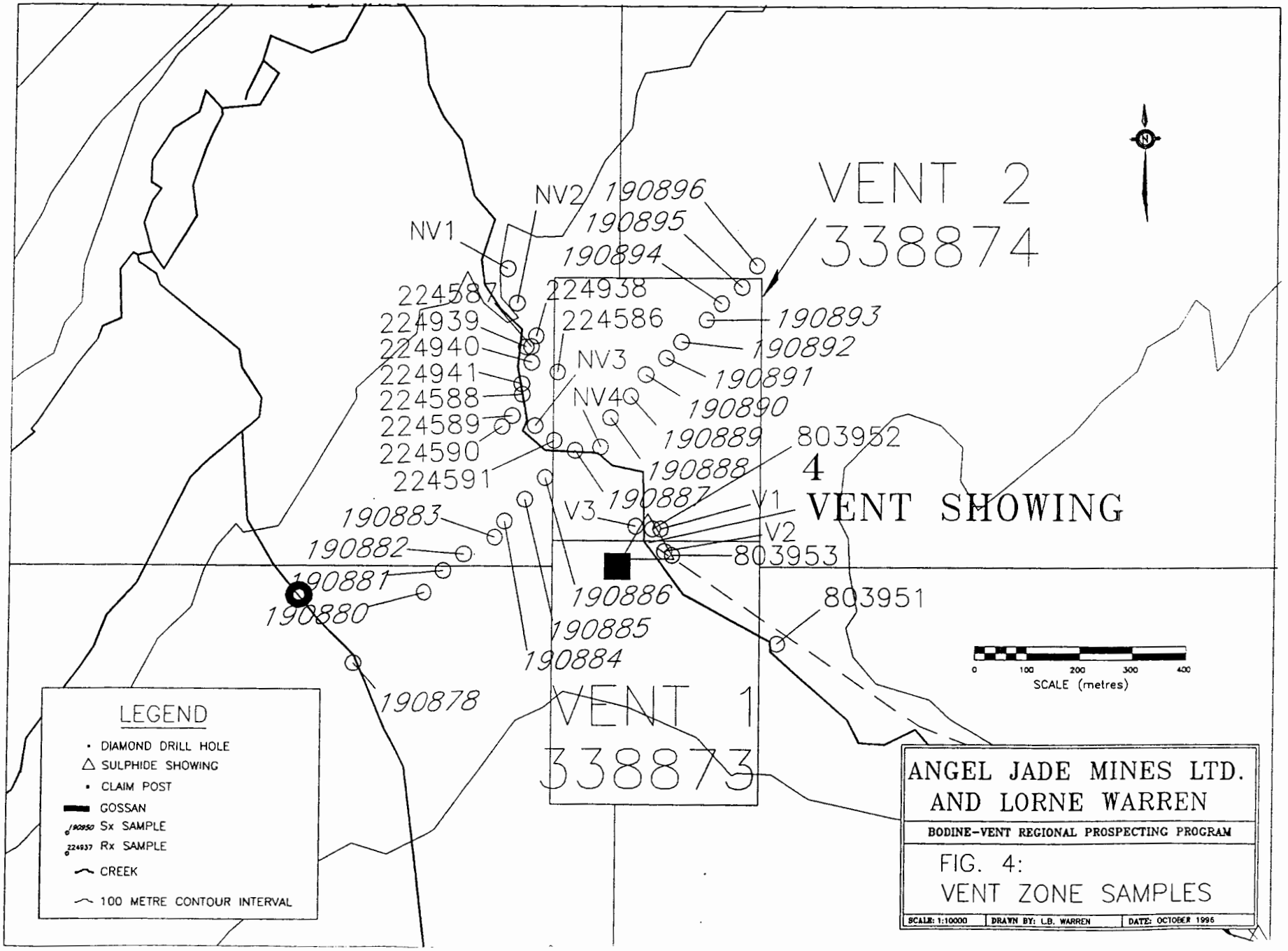
VENT SHOWING - Rhyolite Fragments cemented by FePy PHOTO # 9

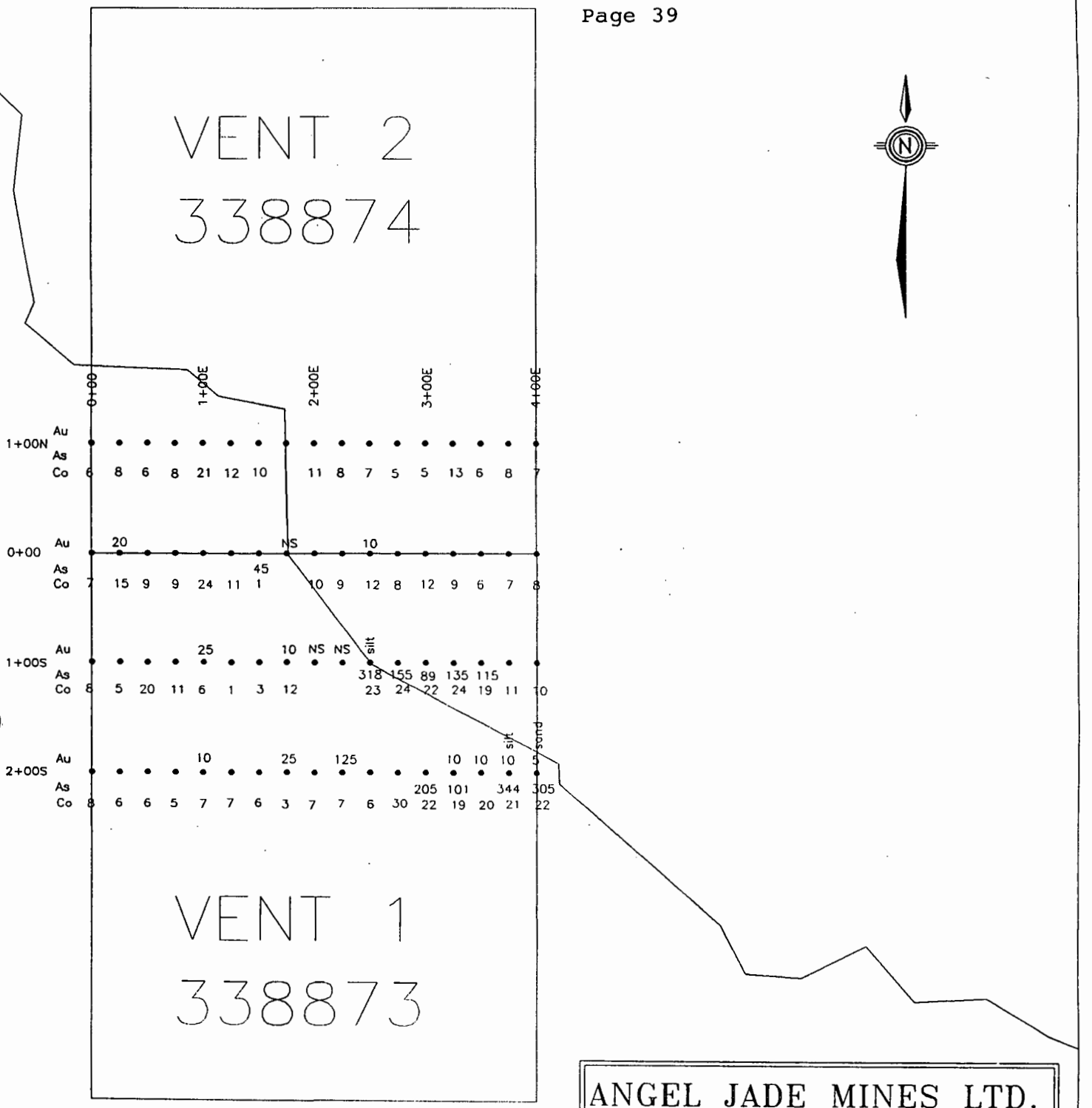
0 2 4 6
CENTIMETRES

PHOTO # 5 - Pillow Lavas - West of Vent showing

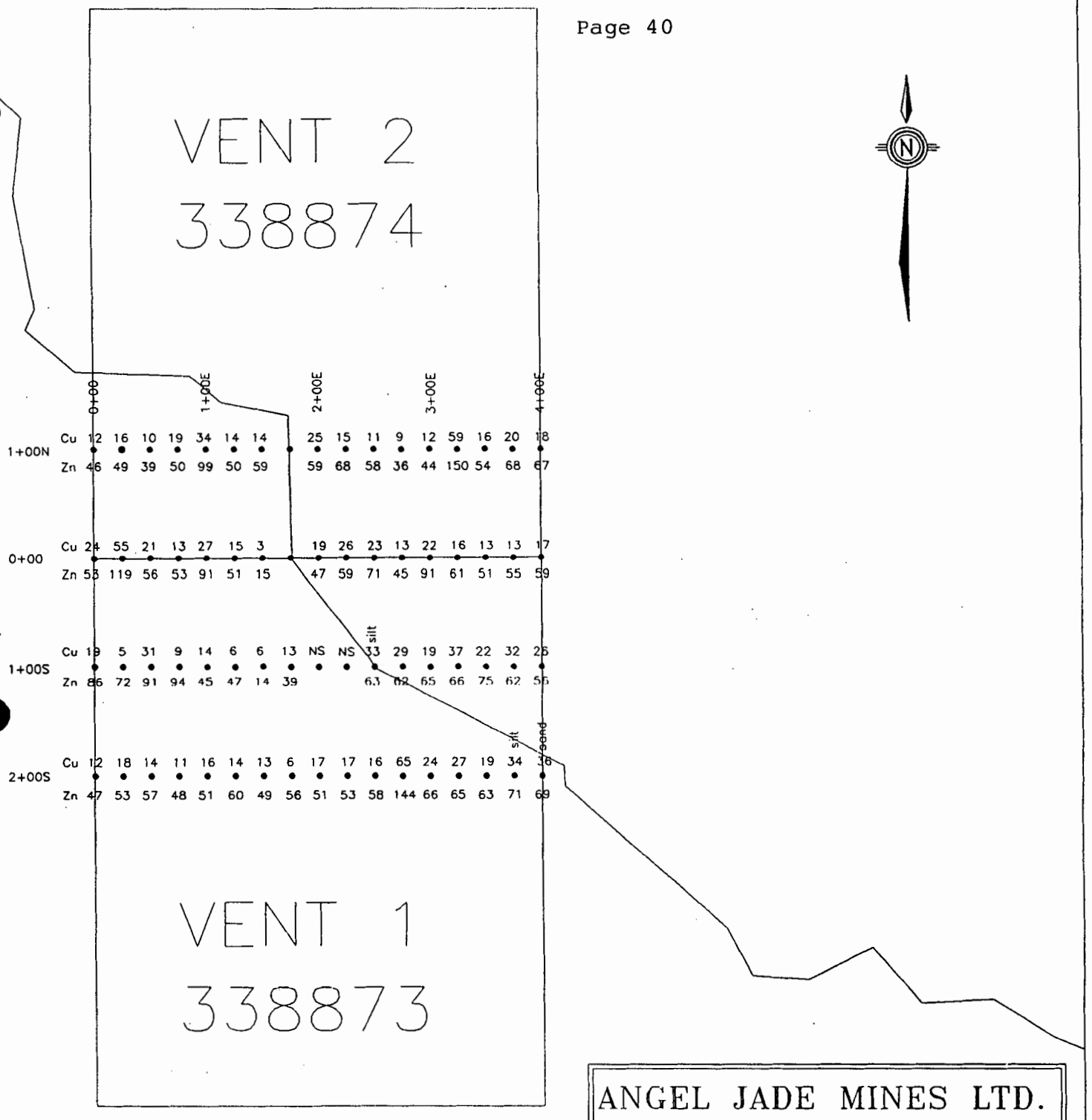
VENT SHOWING - close-up of main outcrop

| "VENT" HYDROTHERMAL BRECCIA PYRITE ZONE - Summary of results | | | | | | | | | | Oct. 1995 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stikine Arch 1995 Survey - Sitlika Group - NTS 93N/12 | | | | | | | | | | | | | | |
| RX No. | Description | Zone | Al2O3 | CaO | Fe2O3 | K2O | MgO | SiO2 | TiO2 | Cu | Pb | Zn | As | Mo |
| 224567 | qtz-serc alt'd clasts; breccia | Vent Bx | 14.69 | 0.12 | 1.42 | 0.13 | 0.05 | 72.41 | 0.31 | 2 | 2 | 8 | 4 | 1 |
| 224568 | qtz-serc alt'd clasts; breccia | Vent Bx | 14.01 | 0.17 | 1.68 | 0.08 | 0.07 | 72.77 | 0.29 | 1 | 2 | 6 | 6 | 1 |
| 224569 | pyrite-rich matrix; breccia | Vent Bx | no data | | | | | | | 2 | 2 | 4 | 32 | 1 |
| 224570 | pyrite-rich matrix; breccia | Vent Bx | no data | | | | | | | 4 | 6 | 4 | 56 | 1 |
| 224571 | chlorite sch, mafic dyke (?) | Vent Bx | 18.63 | 0.45 | 7.34 | 0.94 | 4.08 | 57.31 | 0.70 | 20 | 2 | 94 | 2 | 1 |
| 224572 | sericite altered felsic volc | Vent Bx | 13.91 | 0.16 | 2.13 | 0.08 | 0.14 | 71.32 | 0.33 | 1 | 2 | 12 | 6 | 1 |
| 224573 | gray clasts; pyritic breccia | Vent Bx | 13.50 | 0.17 | 7.80 | 0.17 | 0.32 | 64.84 | 0.29 | 2 | 2 | 72 | 18 | 2 |
| 224574 | silicified rhyolite; qtz-eyes | Vent Bx | 15.85 | 0.08 | 4.39 | 0.13 | 1.21 | 66.32 | 0.35 | 1 | 2 | 94 | 8 | 1 |
| 224575 | silicified rhyolite; qtz-eyes | Vent Bx | 11.80 | 0.06 | 1.50 | 0.12 | 0.06 | 77.57 | 0.28 | 1 | 2 | 6 | 2 | 1 |
| 224576 | chlorite-rich schist (as 571) | Vent Bx | 18.22 | 0.91 | 7.63 | 0.56 | 3.43 | 55.86 | 0.67 | 17 | 2 | 140 | 6 | 1 |
| 224586 | pyritic felsic volc breccia | N of Vent | no data | | | | | | | 7 | 2 | 2 | 14 | 11 |
| 224587 | chlr bslt; tr epid, calcareous | N of Vent | 17.95 | 0.43 | 8.63 | 0.18 | 2.65 | 57.05 | 0.79 | 2 | 2 | 174 | 6 | 1 |
| 224588 | chlr bslt; tr epid, calcareous | N of Vent | 16.02 | 6.71 | 8.73 | 0.28 | 5.98 | 48.92 | 1.22 | 30 | 2 | 82 | 4 | 1 |
| 224589 | pale green dacite; tr pyrite | N of Vent | 13.56 | 0.31 | 3.87 | 0.34 | 1.25 | 70.33 | 0.36 | 1 | 2 | 90 | 2 | 1 |
| 224590 | sericite altd felsic; tr py | N of Vent | 11.09 | 0.39 | 2.25 | 0.12 | 0.18 | 77.32 | 0.24 | 2 | 6 | 14 | 4 | 1 |
| 224591 | chlorite altd basalt; sill | N of Vent | 15.60 | 1.53 | 6.40 | 1.10 | 2.93 | 62.51 | 0.66 | 41 | 2 | 126 | 2 | 1 |
| 224596 | green altn in felsic clasts | Vent Bx | 16.93 | 0.22 | 4.47 | 0.14 | 1.04 | 64.65 | 0.41 | 1 | 2 | 68 | 8 | 1 |
| 224938 | chloritic bslt w fine-gr pyrite | S of Vent | no data | | | | | | | | | | | |
| 224939 | chloritic bslt w rounded clasts | S of Vent | 9.09 | 2.40 | 6.47 | 0.79 | 2.15 | 72.06 | 0.72 | 1320 | 2 | 82 | 4 | 1 |
| 224940 | chloritic fractd bslt; rusty | S of Vent | 18.23 | 2.47 | 10.99 | 0.82 | 6.07 | 48.33 | 1.96 | 7 | 2 | 200 | 18 | 1 |
| 224941 | slcs felsic frgmntl; chloritic | Vent Bx | 17.38 | 1.53 | 9.56 | 0.94 | 4.58 | 55.87 | 0.75 | 16 | 2 | 170 | 20 | 1 |

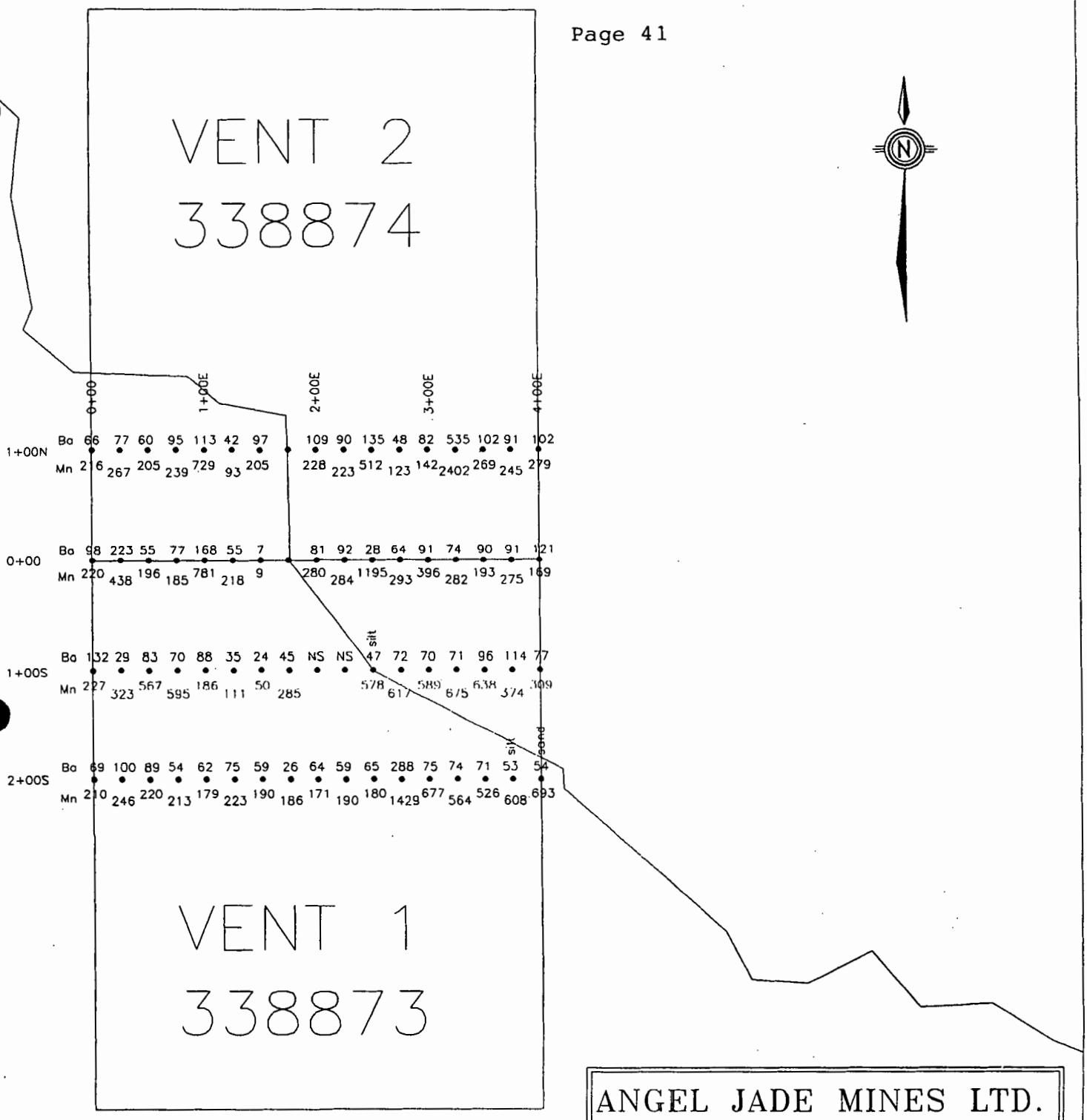

VENT 2
338874
NV1
NV2
NV3
NV4
190896
190895
190894
190893
190892
190891
190890
190889
190888
190887
190886
190885
190884
190883
190882
190881
190880
190878
224587
224938
224586
224939
224940
224941
224588
224589
224590
224591
803952
4
VENT SHOWING
V1
V2
V3
803953
803951
VENT 1
338873
0 100 200 300 400
SCALE (metres)
LEGEND
DIAMOND DRILL HOLE
SULPHIDE SHOWING
CLAIM POST
GOSSAN
190950 Sx SAMPLE
224937 Rx SAMPLE
CREEK
100 METRE CONTOUR INTERVAL
ANGEL JADE MINES LTD.
AND LORNE WARREN
BODINE-VENT REGIONAL PROSPECTING PROGRAM
FIG. 4:
VENT ZONE SAMPLES
SCALE: 1:10000
DRAWN BY: L.B. WARREN
DATE: OCTOBER 1996




| ANGEL JADE MINES LTD. AND LORNE WARREN | | |
|---|---|---|
| BODINE-VENT REGIONAL PROSPECTING PROGRAM | | |
| VENT 1 & 2 CLAIMS: SOIL SAMPLES: Au, As, Co. | | |
| SCALE: 1:5000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996 |




| ANGEL JADE MINES LTD. AND LORNE WARREN | | |
|---|---|---|
| BODINE-VENT REGIONAL PROSPECTING PROGRAM | | |
| VENT 1 & 2 CLAIMS: SOIL SAMPLES: Cu, Zn. | | |
| SCALE: 1:5000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996 |




# ANGEL JADE MINES LTD. AND LORNE WARREN

**BODINE-VENT REGIONAL PROSPECTING PROGRAM**

VENT 1 & 2 CLAIMS:
SOIL SAMPLES: Ba, Mn.

| SCALE: 1:5000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996 |
|---|---|---|

Description of showings cont.

(No.5) MASSIVE SULPHIDE FLOAT BOULDERS

Three massive Sulphide boulders were located during Traverse # 5 They were approximately 20cm X 25cm X 15cm and were semirounded. They occurred clustered together in the active creek bed indicating a local source. Sample #95592 was sent for assay and were slightly anomalous in Au at 15 ppb and Arsenic at 557 ppm and PB @ 355 ppm.

Pan sampling of the stream sediments during this traverse showed flakes of Native gold using a 15 cm diameter sampling Pan (11 to 15 colours per pan for 10 sample sites above the vent showing) Examination of concentrate from the pan samples under a binocular microscope grains showed Galena crystals, chalcopyrite and fine to medium sized pyrite crystals.

(No.6) DIVER LAKE SHOWING

Diver Lake showing is located at km 14.5 on the Falls River Road. Banded
Pyrite - pyrrhotite occurs in a cherty Rhyolite and in thin black shales . Disseminated pyrite/ pyrrhotite is found in Basic volcanic flows (Pillow Lavas) observed at this location.

Description of showings cont.

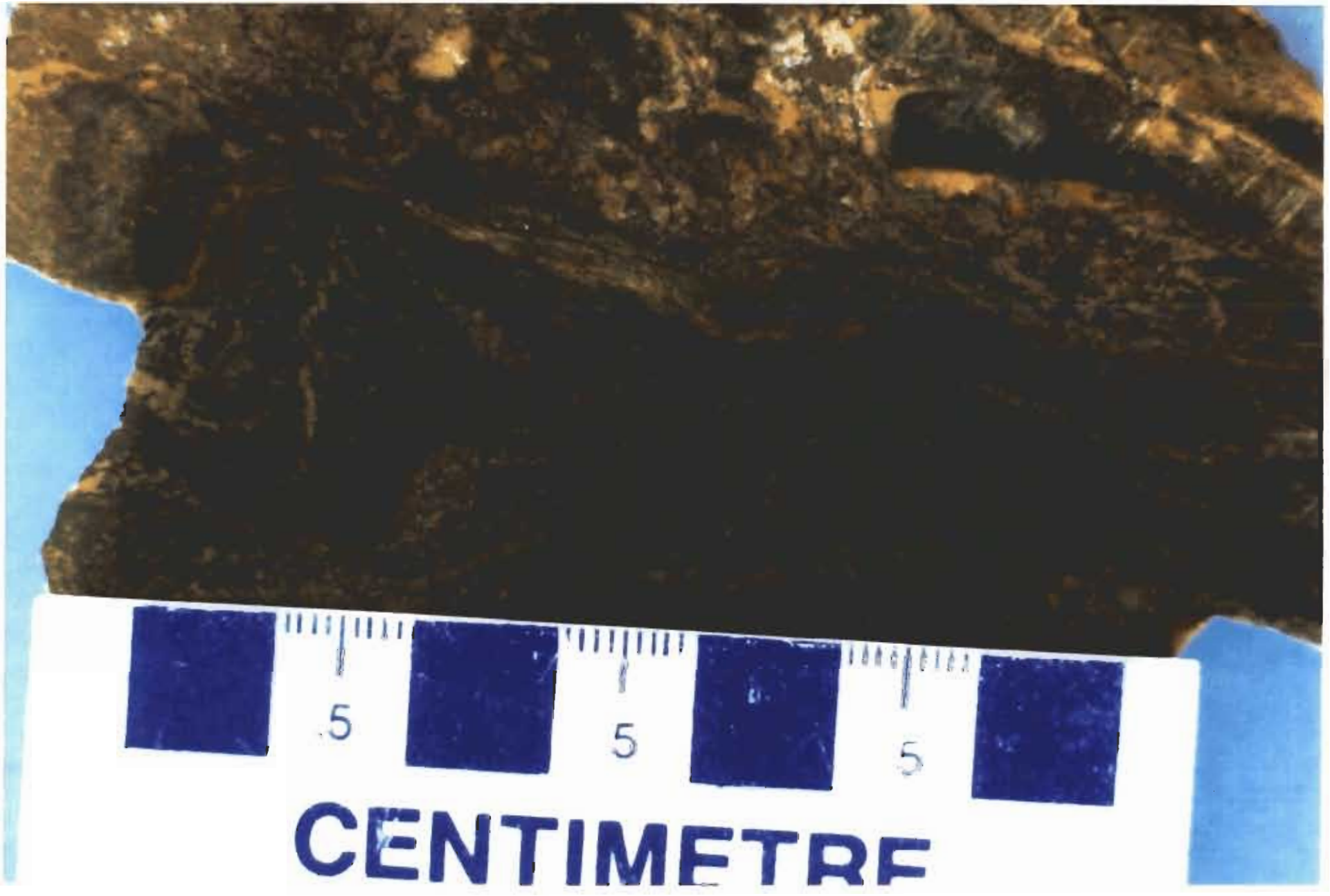
(No.7) ROD SHOWING (ROD DRILL HOLE DDH MB1 89-1)

The Rod showing is part of a gossanous belt of rocks west of Mount Bodine. These rocks are a North/South striking sequence of intercalated felsic and intermediate volcanics which dipped steeply west. The intermediate volcanics are composed mainly of tuff, lapilli tuff and weakly foliated andesitic flows with minor chloritic schists.

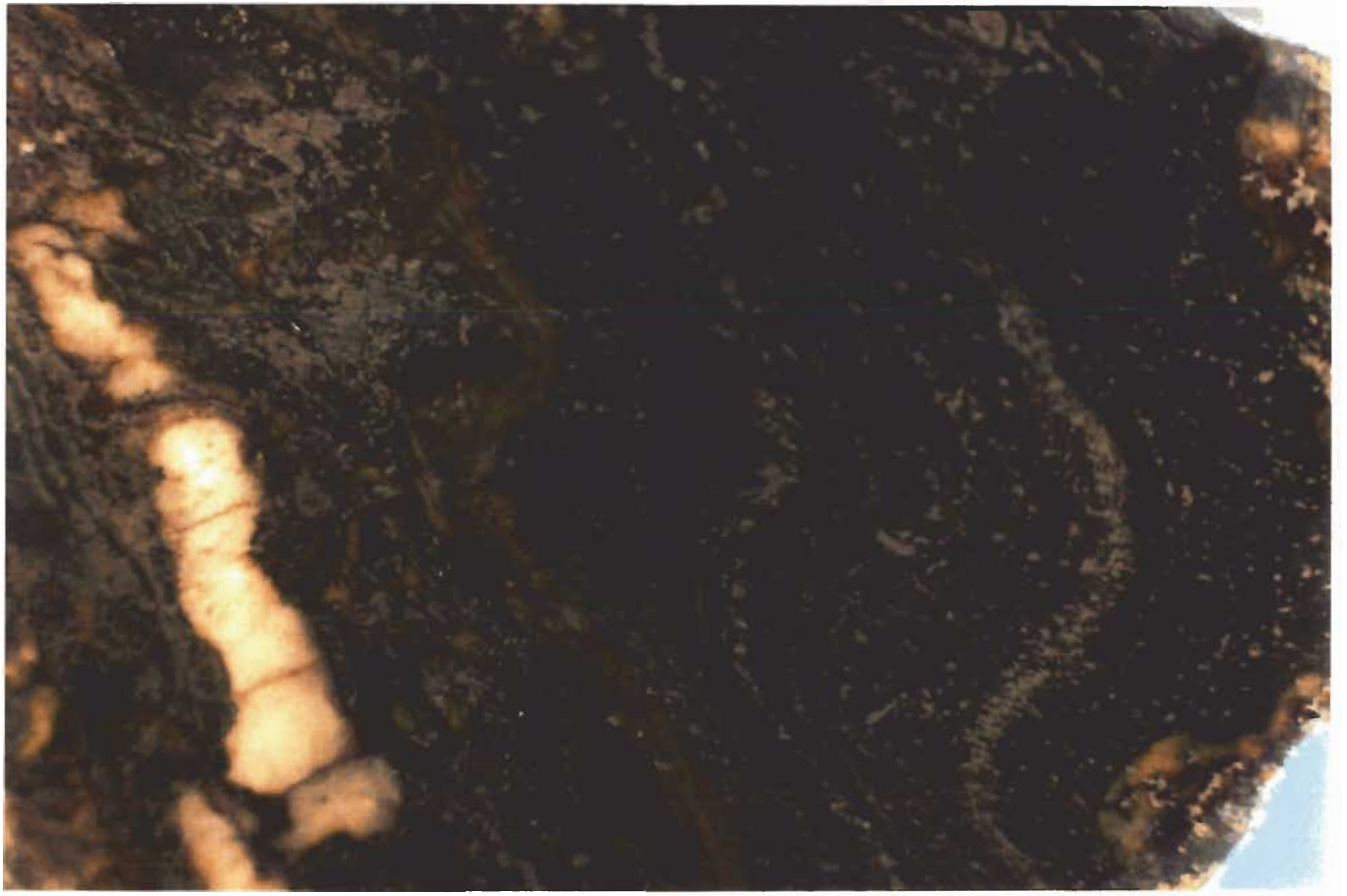
The felsic volcanics includes dacitic to rhyolitic flows, tuff, lapilli tuff and several pyritic quartz-sericite schist horizons which contain 1% to 20% disseminated fine grained pyrite. These gossanous horizons can be traced for several kilometres north and south of the Rod drill hole.

Numerous traverses were made across this belt of rocks at intervals of 0.5 kilometres or less. Pyrite was the only sulphide identified in the field and was confirmed by microscopic identification in the field office. Soil geochem anomalies from Noranda's work still requires intense ground examination.

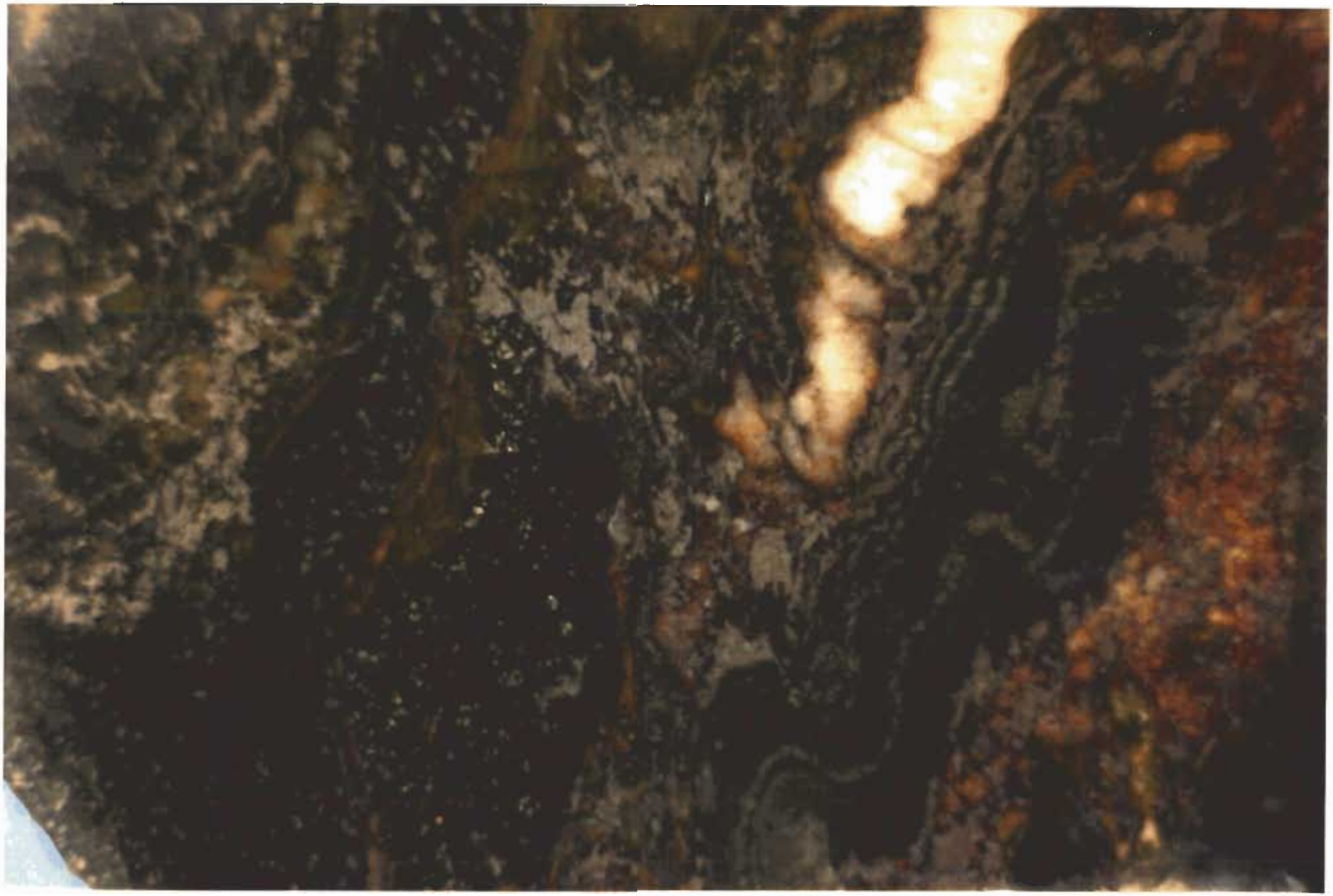
PHOTO # 4 - Diver Lake - Pillow Lavas East of The bedded FePy Showing




DIVER LAKE - Bedded FePy /Pyrrhotite Showing - 14.5 KM on the Falls River Rd.



DIVER LAKE SHOWING - FePy/ Pyrrhotite



DIVER LAKE SHOWING - Bedded Fepy / Pyrrhotite 14.5 Km on the falls river rd.

DIVER LAKE SHOWING


DIVER LAKE SHOWING


DIVER LAKE SHOWING - Bedded FePy in Arg.

Description of showings cont.

Recon Soil Line

A single soil line 950 metres in length (sample intervals of 25 metres) was laid out to cut across the Volcanic Sediment Contact 1.5 km North of the Mt. Bodine showings. Results from the recon line indicate a significant base metal anomaly in Soil. The anomaly occurs in a Drift covered area and prospecting in the area found no outcrop close to the anomaly. Geophysics or a Trenching program are needed here.

CONCLUSIONS:

The prospecting program was successful in finding more concrete indicators that the eastern contact zone of the Sitlika could host a volcanogenic massive sulphide deposit.

RECOMMENDATIONS:

The success of the single recon soil line across the volcanic/sediment contact indicates that utilizing wide spaced soil geochem lines crossing the stratigraphy in the eastern contact zone of this belt of rocks maybe successful in finding new showings.

A ground geophysics survey should be undertaken at the VENT Showing and over the soil anomaly at Mt. Bodine. Trenching of the road accessible Diver lake showing would give a better understanding of the exact setting of this bedded pyrite occurrence.

Vent - Bodine Project

Regional Prospecting Project

1995 - 1996

Statement of Joint Venture Expenditures

(Financing Provided by Angel Jade Mines and Lorne B. Warren)

Expenses

| | |
|---|---|
| Wages and Benefits | |
| 90 mandays @ $200/day | $18,000.00 |
| Room and Board | |
| 90 mandays @ $65/day | $5,850.00 |
| Vehical Rental | |
| 30 days @ $75/day | $2,250.0 |
| Radio Rentals | |
| 30 days @ $21/day | $630.00 |
| Sample bags/Soil bags | $100.00 |
| Flagging 48 Rolls @ $3per | $144.00 |
| Assays - soils and rocks | $1,147.00 |
| Subtotal | $28,121.00 |
| Helicopter | |
| 15 Hrs. @ $800.00 All Inclusive | $12,000.00 |
| Pac Withdrawal (L.B.Warren Account) | $10,000.00 |
| Total Project Costs for Assessment Purposes | $50,121.00 |

LORNE B. WARREN

STATEMENT OF QUALIFICATIONS

1963 - Geological Assistant - Mastodon Highland Bell
Gordon Hilchey - Geologist - Dome Mnt. Smithers

1964 - Geological Assistant - Phelps Dodge Corp.
Stikine Area - Northern B.C.

1965 - Prospector/Geological Assistant Native Mines

1966 - 1971 - Full time - Field Tech./line cutter/Prospector
Manex Mining Ltd. - M.J. Beley - Manager

1971 - 1979 - Granby Mining Corp. - Field Supervisor
Office Manager
Supervised Drill Programs - Logged Drill core and logged percussion drill cuttings.

1979 - 1989 President and Manager of - CJL Enterprises Ltd.
Kengold Mines Ltd. and Angel Mines Ltd.
Placer Mining/Contract Exploration Work/
Full time Prospector

1989 - Present

President and Manager of CJL Enterprises Ltd.
Kengold Mines Ltd. and rest of time is spent
Prospecting full time.

CHRIS WARREN

STATEMENT OF QUALIFICATIONS

1990 - Completed the Smithers Exploration Group's Bush Skills Course. Worked at Duckling Creek as a Geological Assist.

1991 - Assisted in the instruction of the Smithers Ex. Bush Skills Course. Worked at Johanson Lake /Line cutting

1992 - Assisted in the instruction of the Smithers Ex. Bush Skills Course. Misc. Claim Staking Jobs / Field Assistant

1993 - Worked at a placer operation as a loader operator and did misc. claim staking jobs/ prospecting Assistant.

1994 - Worked in Manson Creek Area doing placer testing, running Magnetometer / Computer work/ claim Staking/Prospector's Assistant

1995 - Worked full time for CJL Enterprises Ltd./Field Assistant Claim Staker/Soil Sampler and Line Cutter.

1996 - Worked full time for CJL Enterprises Ltd. - Field Assistant

MIKE MIDDLETON

STATEMENT OF QUALIFICATIONS

1990 - Completed the Smithers Ex. Bush Skills Course.

1994 - Field Assistant for CJL Enterprises Ltd.

1995 - Full Time Field Assistant for CJL Enterprises Ltd. Soil and Rock Sampler, Claim Staker/ Prospecting Assistant for L. B. Warren.

1996 - Full time Field Assistant for CJL Enterprises Ltd. /Soil and Rock sampler/claim staking/ line cutter and field Assistant for L.B. Warren.

List of references:

Crosby, R.O.,1977: Report on airborne geophysical surveys, Ruth mineral claims, Takla lake area, B.C.;McIntyre Mines Ltd.; Open file assessment report No.6578.

Macleod, W.A.,1979: Assessment report on geological and geochemical surveys, Skye 1,3 through 17, mineral claims, (July1 - Aug.27,1979), Omineca mining district, B.C.Shell Resources report. BCDM Sdd. Rpt. #7642.

Macleod, W.A.,1981: Report on geological, geochemical and geophysical surveys, Ruth 1-4, Skye 7 claims, BCDM Ass. Rpt. #9547.

Patterson, I.A.,1974: Geology of the Cache Creek group and mesozonic rocks at the northern end of the Stuart lake belt, central B.C.; Geological survey of Canada; Paper 74-1, part B; pp.31.

Fiona Childe: Geochronological and Radiogenic Isotopic Investigations of VMS Deposites within Accreted Terranes of the Canadian Cordillera.

# APPENDIX 1
# Analytical Results

COMP: CANAM MINING CORP.
PROJ: BODINE
ATTN: JOHN MIRILO

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0395-SJ1+2+
DATE: 95/10/0
* SOIL/SILT * (ACT:F31

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | AU-WET PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV2+50E SILT | .1 | 3.24 | 1 | 98 | 1.5 | 6 | .97 | 3.6 | 14 | 31 | 196 | 2.28 | 1 | .05 | 6 | .56 | 1659 | 4 | .01 | 37 | 1710 | 19 | 9 | 3 | 1 | 1 | .01 | 1 | 20.8 | 5 | 1640 | 5 |
| LV1+35S SILT | .4 | 1.75 | 1 | 39 | 1.5 | 7 | .77 | .1 | 18 | 21 | 91 | 3.42 | 1 | .04 | 5 | .47 | 1977 | 4 | .01 | 38 | 1350 | 184 | 7 | 5 | 1 | 1 | .01 | 1 | 25.6 | 2 | 611 | 5 |
| RS-1-95 SILT | .5 | .88 | 1 | 78 | 1.0 | 9 | .79 | .1 | 15 | 49 | 26 | 2.42 | 5 | .06 | 9 | .80 | 553 | 2 | .02 | 32 | 680 | 25 | 4 | 3 | 1 | 1 | .07 | 1 | 51.2 | 4 | 77 | 5 |
| MTS-1 | 2.0 | 1.28 | 15 | 36 | 2.7 | 21 | .03 | .1 | 21 | 28 | 51 | 8.42 | 10 | .11 | 9 | .82 | 232 | 15 | .02 | 24 | 1000 | 81 | 4 | 10 | 1 | 1 | .04 | 1 | 38.1 | 1 | 71 | 110 |
| MTS-2 | 1.3 | 2.78 | 1 | 111 | 3.0 | 12 | .73 | .1 | 42 | 47 | 187 | 6.27 | 8 | .09 | 19 | 1.14 | 822 | 19 | .02 | 43 | 1710 | 59 | 7 | 8 | 1 | 1 | .10 | 1 | 84.9 | 3 | 116 | 145 |
| MTS-3 | 1.7 | 2.72 | 1 | 82 | 3.2 | 14 | .43 | .1 | 43 | 50 | 275 | 8.51 | 9 | .08 | 17 | 1.09 | 854 | 15 | .03 | 43 | 2150 | 88 | 6 | 13 | 1 | 1 | .11 | 1 | 104.3 | 3 | 112 | 835 |
| MB1 | 1.1 | 1.40 | 1 | 48 | 1.3 | 12 | .35 | .1 | 15 | 50 | 26 | 3.55 | 8 | .03 | 15 | .81 | 269 | 3 | .01 | 26 | 1330 | 31 | 4 | 4 | 1 | 1 | .12 | 1 | 64.0 | 3 | 79 | 5 |
| QC295 | .2 | 1.12 | 180 | 56 | 2.0 | 9 | .21 | .1 | 50 | 421 | 26 | 5.28 | 4 | .03 | 7 | 1.63 | 885 | 1 | .01 | 418 | 800 | 41 | 2 | 7 | 1 | 1 | .04 | 1 | 40.3 | 20 | 65 | 60 |
| QC195 | .2 | .96 | 82 | 58 | 1.9 | 9 | .18 | .1 | 47 | 254 | 24 | 5.10 | 6 | .03 | 9 | 1.01 | 1038 | 2 | .01 | 472 | 760 | 48 | 1 | 7 | 1 | 1 | .05 | 1 | 38.2 | 12 | 59 | 70 |
| BFP-2 | 1.6 | 1.75 | 1 | 197 | 2.3 | 14 | .07 | .1 | 15 | 47 | 109 | 5.25 | 10 | .30 | 11 | .67 | 332 | 16 | .03 | 31 | 1240 | 59 | 8 | 6 | 59 | 1 | .04 | 1 | 58.6 | 3 | 168 | 20 |
| BFP-II | 4.3 | 3.61 | 1 | 273 | 2.6 | 29 | .29 | .1 | 30 | 191 | 179 | 7.38 | 12 | 1.36 | 35 | 2.35 | 346 | 6 | .14 | 36 | 750 | 46 | 8 | 8 | 1 | 1 | .40 | 1 | 196.2 | 12 | 102 | 10 |
| WP0+00E | 1.7 | 2.94 | 1 | 79 | 2.7 | 16 | .78 | .1 | 41 | 41 | 37 | 5.66 | 7 | .09 | 25 | 1.72 | 948 | 3 | .05 | 28 | 1950 | 36 | 6 | 7 | 58 | 1 | .11 | 1 | 96.3 | 3 | 118 | 15 |
| WP0+25E | 2.0 | 2.73 | 1 | 83 | 2.6 | 16 | .42 | .1 | 28 | 48 | 83 | 6.28 | 10 | .10 | 23 | 1.40 | 627 | 10 | .04 | 36 | 2020 | 56 | 7 | 8 | 1 | 1 | .10 | 1 | 87.9 | 3 | 130 | 20 |
| WP0+50E | 2.1 | 3.53 | 1 | 116 | 2.6 | 18 | .59 | .1 | 25 | 49 | 87 | 6.14 | 12 | .14 | 15 | .87 | 331 | 8 | .05 | 37 | 2140 | 66 | 10 | 8 | 1 | 1 | .11 | 1 | 81.7 | 4 | 103 | 10 |
| WP0+75E | 1.7 | 2.55 | 1 | 97 | 2.6 | 16 | .47 | .1 | 23 | 49 | 100 | 7.05 | 12 | .10 | 14 | .78 | 323 | 8 | .05 | 33 | 2100 | 71 | 7 | 10 | 13 | 1 | .10 | 1 | 87.6 | 2 | 98 | 10 |
| WP1+00E | 2.4 | 3.19 | 1 | 104 | 3.5 | 17 | .61 | .1 | 33 | 50 | 239 | 9.26 | 13 | .08 | 16 | .93 | 556 | 15 | .03 | 39 | 3100 | 109 | 8 | 12 | 1 | 1 | .12 | 1 | 112.9 | 3 | 165 | 20 |
| H+10E | 1.9 | 1.20 | 19 | 22 | 2.7 | 22 | .01 | .1 | 18 | 26 | 23 | 8.34 | 8 | .08 | 11 | .90 | 241 | 8 | .01 | 23 | 300 | 79 | 2 | 12 | 1 | 1 | .03 | 1 | 22.5 | 1 | 60 | 255 |
| LV1+00S 0+00E | 2.4 | 1.73 | 1 | 36 | 2.1 | 24 | .09 | .1 | 18 | 35 | 9 | 6.38 | 13 | .02 | 7 | .72 | 368 | 4 | .01 | 19 | 310 | 54 | 5 | 7 | 1 | 1 | .22 | 1 | 76.3 | 4 | 74 | 5 |
| LV1+00S 0+25E | 1.8 | 1.07 | 1 | 24 | 1.2 | 20 | .08 | .1 | 13 | 26 | 6 | 4.00 | 12 | .02 | 3 | .44 | 203 | 3 | .01 | 12 | 340 | 39 | 5 | 5 | 1 | 1 | .18 | 1 | 61.4 | 3 | 47 | 5 |
| LV1+00S 0+50E | 1.5 | 1.04 | 1 | 28 | 1.4 | 19 | .19 | .1 | 15 | 26 | 12 | 4.48 | 9 | .04 | 5 | .70 | 415 | 3 | .01 | 17 | 510 | 43 | 4 | 5 | 1 | 1 | .18 | 1 | 52.3 | 3 | 68 | 5 |
| LV1+00S 0+75E | .1 | .93 | 1 | 26 | 1.0 | 7 | .02 | .1 | 11 | 27 | 12 | 2.62 | 5 | .05 | 6 | .82 | 1030 | 3 | .01 | 20 | 1280 | 42 | 3 | 3 | 1 | 1 | .01 | 1 | 31.9 | 1 | 351 | 5 |
| LV1+00S 1+00E | .7 | 1.34 | 1 | 35 | 1.1 | 6 | .08 | .1 | 9 | 26 | 12 | 2.90 | 3 | .04 | 9 | .75 | 563 | 2 | .01 | 12 | 820 | 25 | 2 | 5 | 1 | 1 | .02 | 1 | 45.5 | 1 | 125 | 5 |
| LV1+00S 1+25E | .5 | 1.35 | 1 | 24 | 1.1 | 4 | .05 | .1 | 9 | 29 | 3 | 2.22 | 1 | .03 | 16 | 1.19 | 383 | 1 | .01 | 15 | 850 | 14 | 1 | 3 | 1 | 1 | .01 | 1 | 28.3 | 1 | 100 | 5 |
| LV1+00S 1+50E | .2 | 1.08 | 1 | 22 | 1.1 | 9 | .04 | .1 | 12 | 29 | 15 | 3.36 | 7 | .02 | 2 | .27 | 190 | 3 | .01 | 18 | 600 | 39 | 4 | 4 | 1 | 1 | .03 | 1 | 61.2 | 2 | 122 | 5 |
| LV1+00S 1+75E | .6 | .91 | 1 | 96 | 1.1 | 6 | .67 | .1 | 9 | 15 | 13 | 2.82 | 2 | .02 | 7 | .30 | 606 | 2 | .01 | 15 | 540 | 35 | 1 | 3 | 2 | 1 | .04 | 1 | 39.0 | 1 | 158 | 5 |
| LV1+00S 2+00E | 2.4 | 1.60 | 1 | 47 | 1.5 | 1 | .85 | .1 | 16 | 46 | 206 | 2.81 | 1 | .05 | 6 | .97 | 729 | 1 | .01 | 66 | 1320 | 27 | 1 | 4 | 4 | 1 | .02 | 1 | 29.9 | 1 | 111 | 5 |
| LV1+00S 2+25E | .6 | 1.48 | 1 | 110 | 1.3 | 5 | .60 | .1 | 11 | 38 | 46 | 2.75 | 1 | .05 | 8 | .96 | 892 | 1 | .01 | 30 | 850 | 30 | 1 | 4 | 1 | 1 | .02 | 1 | 34.6 | 1 | 236 | 5 |
| LV1+00S 2+75E | 1.1 | 1.16 | 1 | 34 | 1.0 | 9 | .35 | .1 | 9 | 25 | 19 | 3.19 | 5 | .01 | 4 | .42 | 156 | 2 | .01 | 16 | 260 | 33 | 1 | 4 | 1 | 1 | .08 | 1 | 63.4 | 1 | 131 | 5 |
| LV1+00S 3+00E | .1 | 3.06 | 1 | 87 | 1.6 | 9 | 1.03 | .1 | 11 | 21 | 135 | 2.64 | 1 | .03 | 4 | .41 | 2003 | 4 | .01 | 37 | 2340 | 29 | 9 | 4 | 1 | 1 | .01 | 1 | 17.7 | 4 | 1432 | 5 |
| LV1+00S 3+25E | .5 | 3.48 | 1 | 79 | 1.7 | 7 | .98 | .1 | 9 | 22 | 246 | 2.32 | 1 | .03 | 5 | .30 | 1596 | 4 | .01 | 33 | 3120 | 19 | 11 | 3 | 1 | 1 | .01 | 1 | 13.7 | 4 | 1433 | 10 |
| LV1+00S 3+50E | .1 | 2.33 | 1 | 82 | 2.3 | 1 | .84 | .1 | 17 | 18 | 469 | 4.56 | 1 | .04 | 4 | .60 | 3085 | 3 | .01 | 39 | 1920 | 91 | 6 | 6 | 1 | 1 | .02 | 1 | 30.4 | 3 | 1678 | 10 |
| LV1+00S 3+75E | .1 | 2.14 | 1 | 70 | 1.8 | 5 | .55 | .1 | 23 | 11 | 212 | 4.25 | 1 | .07 | 7 | .98 | 4216 | 3 | .01 | 48 | 1080 | 88 | 1 | 6 | 1 | 1 | .03 | 1 | 35.2 | 3 | 2340 | 5 |
| LV1+00S 4+00E | .1 | 2.02 | 1 | 91 | 3.1 | 10 | 1.03 | .1 | 19 | 26 | 117 | 8.60 | 1 | .03 | 4 | .51 | 3224 | 3 | .01 | 37 | 1970 | 122 | 1 | 10 | 1 | 1 | .04 | 1 | 44.9 | 1 | 1217 | 5 |
| LV1+00S 4+25E | 1.0 | 1.36 | 1 | 53 | 1.1 | 4 | .95 | .1 | 6 | 12 | 31 | 2.25 | 1 | .02 | 8 | .26 | 181 | 1 | .01 | 9 | 530 | 32 | 1 | 3 | 1 | 1 | .04 | 1 | 19.9 | 1 | 248 | 5 |
| LV1+00S 4+50E | .1 | 1.43 | 1 | 85 | 1.6 | 5 | 1.14 | .1 | 26 | 14 | 117 | 2.70 | 1 | .03 | 5 | .31 | 2162 | 3 | .01 | 24 | 1140 | 75 | 2 | 3 | 14 | 1 | .03 | 1 | 24.7 | 1 | 337 | 5 |
| LV1+00S 4+75E | .7 | .75 | 1 | 94 | .7 | 5 | .75 | .1 | 7 | 16 | 22 | 1.55 | 3 | .03 | 4 | .36 | 194 | 1 | .01 | 10 | 380 | 20 | 2 | 2 | 14 | 1 | .03 | 1 | 30.6 | 1 | 100 | 5 |
| LV1+00S 5+00E | .9 | 1.33 | 1 | 54 | 1.4 | 5 | .73 | .1 | 11 | 29 | 66 | 2.86 | 1 | .06 | 9 | .74 | 676 | 2 | .01 | 24 | 1090 | 37 | 2 | 4 | 1 | 1 | .03 | 1 | 30.1 | 1 | 475 | 5 |
| LV1+00S 5+25E | 1.0 | 2.28 | 1 | 134 | 2.3 | 8 | .91 | .1 | 24 | 31 | 66 | 4.75 | 2 | .04 | 14 | .40 | 659 | 4 | .01 | 28 | 1620 | 45 | 4 | 6 | 1 | 1 | .01 | 1 | 44.7 | 1 | 157 | 5 |
| LV1+00S 5+50E | 1.4 | .99 | 1 | 103 | .8 | 6 | .78 | .1 | 6 | 19 | 28 | 1.77 | 3 | .04 | 7 | .44 | 242 | 2 | .01 | 12 | 760 | 36 | 2 | 2 | 22 | 1 | .04 | 1 | 24.5 | 1 | 115 | 10 |
| LV1+00S 5+75E | .1 | 2.38 | 1 | 167 | 1.8 | 7 | 1.96 | .1 | 16 | 6 | 156 | 2.75 | 1 | .05 | 6 | .36 | 6400 | 6 | .01 | 41 | 5580 | 51 | 5 | 3 | 166 | 1 | .01 | 1 | 23.1 | 3 | 174 | 5 |
| LV1+00S 6+00E | 1.3 | 1.19 | 1 | 46 | 1.0 | 9 | .05 | .1 | 7 | 24 | 11 | 2.55 | 5 | .01 | 2 | .32 | 133 | 2 | .01 | 11 | 390 | 29 | 3 | 3 | 1 | 1 | .07 | 1 | 50.2 | 2 | 52 | 5 |
| LV1+00S 6+25E | .9 | 1.41 | 1 | 60 | .9 | 7 | .04 | .1 | 5 | 34 | 15 | 2.07 | 4 | .01 | 2 | .38 | 87 | 2 | .01 | 9 | 510 | 16 | 3 | 2 | 1 | 1 | .02 | 1 | 71.0 | 2 | 49 | 5 |
| LV1+00S 6+50E | .7 | 1.52 | 1 | 99 | .9 | 13 | .35 | .1 | 11 | 29 | 10 | 2.49 | 5 | .02 | 10 | .69 | 241 | 2 | .01 | 14 | 200 | 29 | 2 | 2 | 1 | 1 | .13 | 1 | 58.0 | 3 | 86 | 45 |
| LV1+00S 6+75E | .1 | 1.64 | 1 | 117 | 1.6 | 7 | .82 | .1 | 15 | 16 | 57 | 3.59 | 1 | .06 | 12 | .60 | 3387 | 2 | .01 | 31 | 2050 | 62 | 2 | 4 | 5 | 1 | .02 | 1 | 34.1 | 1 | 221 | 5 |
| LV1+00S 7+00E | 1.3 | 1.26 | 1 | 117 | .9 | 10 | .56 | .1 | 9 | 21 | 8 | 2.43 | 2 | .04 | 10 | .74 | 413 | 1 | .01 | 12 | 290 | 20 | 1 | 3 | 1 | 1 | .09 | 1 | 35.5 | 1 | 92 | 30 |
| LV1+00S 7+25E | .4 | 1.69 | 1 | 103 | 1.5 | 6 | 1.11 | .1 | 13 | 20 | 72 | 2.95 | 1 | .04 | 9 | .46 | 2060 | 3 | .01 | 24 | 1750 | 38 | 4 | 3 | 34 | 1 | .02 | 1 | 28.1 | 1 | 211 | 5 |
| LV1+00S 7+50E | .2 | .79 | 1 | 105 | .5 | 8 | .67 | .1 | 6 | 15 | 10 | 1.16 | 3 | .03 | 5 | .34 | 140 | 1 | .01 | 8 | 280 | 16 | 1 | 1 | 19 | 1 | .06 | 1 | 26.6 | 1 | 68 | 5 |
| LV1+00S 7+75E | .4 | .92 | 1 | 42 | .8 | 12 | .06 | .1 | 8 | 16 | 7 | 2.47 | 6 | .01 | 2 | .32 | 152 | 2 | .01 | 9 | 300 | 23 | 2 | 3 | 1 | 1 | .12 | 1 | 47.1 | 2 | 45 | 5 |
| LV1+00S 8+00E | 1.8 | 2.37 | 1 | 83 | 1.8 | 6 | .89 | .1 | 13 | 30 | 91 | 3.17 | 1 | .04 | 12 | .56 | 514 | 1 | .01 | 30 | 1200 | 36 | 2 | 4 | 1 | 1 | .02 | 1 | 30.6 | 1 | 365 | 5 |
| LV1+00S 8+25E | 1.8 | 1.45 | 1 | 101 | 1.2 | 17 | .36 | .1 | 18 | 61 | 11 | 3.57 | 5 | .04 | 6 | .82 | 583 | 1 | .01 | 15 | 350 | 31 | 1 | 4 | 1 | 1 | .22 | 1 | 90.9 | 4 | 65 | 5 |
| LV1+00S 8+50E | .5 | 1.16 | 1 | 52 | 1.1 | 5 | .60 | .1 | 8 | 20 | 27 | 2.30 | 1 | .05 | 10 | .60 | 386 | 1 | .01 | 16 | 1100 | 23 | 1 | 3 | 1 | 1 | .03 | 1 | 23.7 | 1 | 231 | 5 |
| LV1+00S 8+75E | .9 | .93 | 1 | 22 | .7 | 9 | .04 | .1 | 7 | 11 | 6 | 2.36 | 4 | .02 | 2 | .26 | 207 | 1 | .01 | 8 | 510 | 27 | 1 | 2 | 1 | 1 | .08 | 1 | 43.7 | 1 | 39 | 5 |
| LV1+00S 9+00E | .5 | .75 | 1 | 18 | .4 | 6 | .04 | .1 | 4 | 8 | 5 | 1.25 | 3 | .01 | 1 | .19 | 88 | 1 | .01 | 5 | 450 | 14 | 1 | 1 | 1 | 1 | .05 | 1 | 26.8 | 1 | 27 | 5 |
| LV1+00S 9+25E | 1.8 | 1.15 | 1 | 49 | .8 | 13 | .15 | .1 | 10 | 68 | 28 | 2.21 | 7 | .05 | 6 | .49 | 106 | 2 | .01 | 23 | 320 | 22 | 1 | 2 | 1 | 1 | .17 | 1 | 74.3 | 5 | 48 | 15 |
| LV1+00S 9+50E | .6 | .51 | 493 | 36 | 2.7 | 10 | .02 | .1 | 58 | 1036 | 38 | 8.61 | 5 | .01 | 1 | .41 | 675 | 2 | .01 | 237 | 650 | 88 | 1 | 9 | 1 | 1 | .03 | 1 | 38.9 | 50 | 95 | 5 |

Results Recon Soil Line

Appen. 1 Page 1

Ano.

COMP: C J L ENTERPRISES LTD
PROJ:
ATTN: LORNE WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0132-SJ1+
DATE: 95/09/2
* soil * (ACT:F31

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-wet PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L 0+00 0+00 | .1 | 1.12 | 1 | 98 | 1.0 | 11 | .40 | .1 | 7 | 18 | 24 | 1.66 | 1 | .02 | 5 | .35 | 220 | 2 | .01 | 19 | 480 | 20 | 1 | 2 | 5 | 1 | .03 | 1 | 36.1 | 1 | 53 | 5 |
| L 0+00 0+25E | .1 | 2.29 | 1 | 223 | 1.4 | 13 | .74 | .1 | 15 | 30 | 55 | 3.44 | 2 | .04 | 14 | .46 | 438 | 2 | .01 | 33 | 690 | 28 | 2 | 4 | 1 | 1 | .04 | 1 | 71.3 | 3 | 119 | 5 |
| L 0+00 0+50E | .2 | .79 | 1 | 55 | .6 | 15 | .19 | .1 | 9 | 20 | 21 | 2.28 | 3 | .03 | 2 | .33 | 196 | 3 | .01 | 12 | 580 | 25 | 1 | 2 | 10 | 1 | .08 | 1 | 63.0 | 1 | 56 | 5 |
| L 0+00 0+75E | .5 | 1.22 | 1 | 77 | .7 | 15 | .36 | .1 | 9 | 28 | 13 | 2.28 | 4 | .02 | 4 | .43 | 185 | 2 | .01 | 20 | 550 | 24 | 1 | 2 | 1 | 1 | .10 | 1 | 58.7 | 3 | 53 | 5 |
| L 0+00 1+00E | .1 | 1.45 | 1 | 168 | 1.2 | 20 | .66 | .1 | 24 | 32 | 27 | 3.81 | 3 | .02 | 11 | .38 | 781 | 5 | .01 | 21 | 750 | 41 | 1 | 3 | 168 | 1 | .13 | 1 | 115.2 | 3 | 91 | 5 |
| L 0+00 1+25E | .8 | 1.32 | 1 | 55 | .8 | 21 | .34 | .1 | 11 | 37 | 15 | 3.13 | 4 | .03 | 6 | .57 | 218 | 3 | .01 | 21 | 490 | 30 | 1 | 2 | 1 | 1 | .14 | 1 | 63.0 | 3 | 51 | 5 |
| L 0+00 1+50E | .1 | .07 | 45 | 7 | .1 | 5 | .05 | .1 | 1 | 2 | 3 | .32 | 2 | .01 | 1 | .01 | 9 | 1 | .01 | 5 | 170 | 12 | 1 | 1 | 4 | 1 | .01 | 1 | 3.2 | 1 | 15 | 5 |
| L 0+00 2+00E | .5 | .85 | 1 | 81 | .7 | 11 | .58 | .1 | 10 | 27 | 19 | 2.06 | 2 | .03 | 3 | .54 | 280 | 4 | .01 | 19 | 560 | 14 | 1 | 2 | 22 | 1 | .09 | 1 | 48.3 | 3 | 47 | 5 |
| L 0+00 2+25E | .2 | .75 | 1 | 92 | .8 | 11 | .43 | .1 | 9 | 19 | 26 | 2.16 | 2 | .02 | 3 | .32 | 284 | 2 | .01 | 20 | 540 | 29 | 1 | 2 | 30 | 1 | .05 | 1 | 47.2 | 1 | 59 | 5 |
| L 0+00 2+50E | .1 | 1.33 | 1 | 98 | .9 | 14 | .29 | .1 | 12 | 19 | 23 | 2.71 | 1 | .02 | 7 | .37 | 1195 | 3 | .01 | 24 | 1480 | 25 | 1 | 1 | 12 | 1 | .06 | 1 | 50.6 | 3 | 71 | 10 |
| L 0+00 2+75E | .6 | .83 | 1 | 64 | .6 | 16 | .21 | .1 | 8 | 21 | 13 | 2.44 | 6 | .02 | 3 | .26 | 293 | 3 | .01 | 13 | 1030 | 25 | 2 | 2 | 12 | 1 | .06 | 1 | 58.5 | 3 | 45 | 5 |
| L 0+00 3+00E | .3 | 1.77 | 1 | 91 | 1.3 | 19 | .20 | .1 | 12 | 33 | 22 | 4.26 | 5 | .02 | 8 | .29 | 396 | 3 | .01 | 25 | 2110 | 44 | 2 | 3 | 20 | 1 | .07 | 1 | 95.3 | 3 | 91 | 5 |
| L 0+00 3+25E | .5 | 1.36 | 1 | 74 | .9 | 15 | .24 | .1 | 9 | 26 | 16 | 3.01 | 5 | .02 | 6 | .36 | 282 | 3 | .01 | 19 | 1440 | 30 | 2 | 3 | 15 | 1 | .07 | 1 | 63.2 | 3 | 61 | 5 |
| L 0+00 3+50E | .4 | .91 | 1 | 90 | .7 | 13 | .31 | .1 | 6 | 21 | 13 | 1.72 | 4 | .02 | 4 | .30 | 193 | 3 | .01 | 17 | 450 | 20 | 1 | 2 | 8 | 1 | .05 | 1 | 44.2 | 2 | 51 | 5 |
| L 0+00 3+75E | .3 | .92 | 1 | 91 | .6 | 12 | .32 | .1 | 7 | 22 | 13 | 1.81 | 4 | .02 | 4 | .37 | 275 | 3 | .01 | 24 | 510 | 23 | 1 | 1 | 15 | 1 | .07 | 1 | 53.6 | 2 | 55 | 5 |
| L 0+00 4+00E | .5 | 1.19 | 1 | 121 | .7 | 12 | .44 | .1 | 8 | 24 | 17 | 1.69 | 4 | .03 | 6 | .39 | 169 | 3 | .01 | 20 | 440 | 20 | 2 | 2 | 5 | 1 | .06 | 1 | 43.7 | 3 | 59 | 5 |
| L 1+00N 0+00 | .7 | .83 | 1 | 66 | .6 | 12 | .28 | .1 | 6 | 21 | 12 | 1.92 | 6 | .02 | 3 | .33 | 216 | 2 | .01 | 12 | 800 | 24 | 2 | 1 | 11 | 1 | .06 | 1 | 53.5 | 2 | 46 | 20 |
| L 1+00N 0+25E | .4 | .99 | 1 | 77 | .6 | 11 | .45 | .1 | 8 | 31 | 16 | 1.75 | 4 | .03 | 4 | .50 | 267 | 2 | .01 | 19 | 380 | 18 | 1 | 2 | 1 | 1 | .06 | 1 | 48.4 | 3 | 49 | 5 |
| L 1+00N 0+50E | .8 | .80 | 1 | 60 | .4 | 13 | .36 | .1 | 6 | 22 | 10 | 1.39 | 5 | .02 | 2 | .41 | 205 | 3 | .01 | 10 | 240 | 20 | 1 | 1 | 5 | 1 | .09 | 1 | 47.6 | 2 | 39 | 5 |
| L 1+00N 0+75E | .7 | .95 | 1 | 95 | .7 | 14 | .90 | .1 | 8 | 40 | 19 | 1.69 | 4 | .03 | 5 | .61 | 239 | 2 | .01 | 19 | 380 | 17 | 1 | 2 | 12 | 1 | .06 | 1 | 40.0 | 3 | 50 | 5 |
| L 1+00N 1+00E | .1 | 1.64 | 1 | 113 | 1.1 | 14 | .73 | .1 | 21 | 37 | 34 | 2.85 | 3 | .03 | 10 | .60 | 729 | 4 | .01 | 30 | 440 | 25 | 2 | 3 | 1 | 1 | .06 | 1 | 63.1 | 3 | 99 | 5 |
| L 1+00N 1+25E | 2.0 | .71 | 1 | 42 | .6 | 32 | .28 | .1 | 12 | 36 | 14 | 2.50 | 8 | .02 | 2 | .34 | 93 | 4 | .01 | 16 | 610 | 35 | 1 | 1 | 2 | 1 | .29 | 1 | 117.4 | 4 | 50 | 5 |
| L 1+00N 1+50E | .8 | 1.63 | 1 | 97 | .9 | 15 | .30 | .1 | 10 | 33 | 14 | 2.81 | 6 | .03 | 8 | .41 | 205 | 3 | .01 | 23 | 1130 | 35 | 3 | 2 | 1 | 1 | .09 | 1 | 76.7 | 4 | 59 | 5 |
| L 1+00N 2+00E | .6 | 1.55 | 1 | 109 | 1.3 | 18 | .38 | .1 | 11 | 36 | 25 | 3.89 | 6 | .03 | 10 | .42 | 228 | 4 | .01 | 29 | 740 | 51 | 2 | 4 | 1 | 1 | .09 | 1 | 80.7 | 3 | 59 | 5 |
| L 1+00N 2+25E | .1 | 1.31 | 1 | 90 | .8 | 11 | .24 | .1 | 8 | 20 | 15 | 2.35 | 1 | .02 | 7 | .28 | 223 | 1 | .01 | 17 | 360 | 24 | 1 | 2 | 1 | 1 | .06 | 1 | 49.5 | 1 | 68 | 5 |
| L 1+00N 2+50E | .1 | .77 | 1 | 135 | .6 | 12 | .38 | .1 | 7 | 15 | 11 | 1.97 | 1 | .02 | 4 | .29 | 512 | 2 | .01 | 12 | 480 | 23 | 1 | 1 | 17 | 1 | .07 | 1 | 49.1 | 2 | 58 | 5 |
| L 1+00N 2+75E | .1 | .56 | 1 | 48 | .4 | 14 | .23 | .1 | 5 | 12 | 9 | 1.38 | 1 | .02 | 2 | .20 | 123 | 1 | .01 | 8 | 240 | 16 | 1 | 1 | 4 | 1 | .07 | 1 | 45.2 | 1 | 36 | 5 |
| L 1+00N 3+00E | .1 | .84 | 1 | 82 | .5 | 12 | .25 | .1 | 5 | 16 | 12 | 1.65 | 1 | .02 | 4 | .26 | 142 | 1 | .01 | 10 | 340 | 15 | 1 | 1 | 1 | 1 | .06 | 1 | 41.8 | 1 | 44 | 5 |
| L 1+00N 3+25E | .1 | 3.08 | 1 | 535 | 1.6 | 12 | 1.65 | .1 | 13 | 26 | 59 | 3.70 | 1 | .07 | 14 | .51 | 2402 | 2 | .01 | 45 | 1630 | 34 | 1 | 3 | 41 | 1 | .01 | 1 | 58.2 | 2 | 150 | 5 |
| L 1+00N 3+50E | .1 | .77 | 1 | 102 | .7 | 12 | .46 | .1 | 6 | 18 | 16 | 2.09 | 1 | .02 | 4 | .25 | 269 | 1 | .01 | 9 | 480 | 20 | 1 | 1 | 13 | 1 | .06 | 1 | 56.4 | 1 | 54 | 5 |
| L 1+00N 3+75E | .1 | 1.30 | 1 | 91 | 1.0 | 14 | .28 | .1 | 8 | 23 | 20 | 2.52 | 1 | .02 | 8 | .34 | 245 | 1 | .01 | 18 | 740 | 18 | 1 | 2 | 1 | 1 | .06 | 1 | 51.2 | 1 | 68 | 5 |
| L 1+00N 4+00E | .1 | 1.28 | 1 | 102 | .9 | 15 | .31 | .1 | 7 | 21 | 18 | 2.44 | 1 | .03 | 7 | .35 | 279 | 1 | .01 | 17 | 680 | 23 | 1 | 2 | 1 | 1 | .06 | 1 | 55.8 | 1 | 67 | 5 |
| L 1+00S 0+00 | .1 | 1.72 | 1 | 132 | .8 | 11 | .77 | .1 | 8 | 27 | 19 | 2.05 | 1 | .04 | 12 | .54 | 227 | 1 | .01 | 15 | 440 | 18 | 1 | 1 | 1 | 1 | .05 | 1 | 54.5 | 2 | 86 | 5 |
| L 1+00S 0+25E | .2 | .82 | 1 | 29 | .6 | 22 | .37 | .1 | 5 | 3 | 5 | 1.87 | 3 | .01 | 3 | .81 | 323 | 1 | .01 | 5 | 150 | 17 | 1 | 1 | 1 | 1 | .15 | 1 | 8.1 | 1 | 72 | 5 |
| L 1+00S 0+50E | .1 | 1.67 | 1 | 83 | 1.4 | 19 | 1.43 | .1 | 20 | 16 | 31 | 3.54 | 1 | .02 | 8 | .61 | 567 | 1 | .01 | 15 | 830 | 27 | 1 | 4 | 9 | 1 | .11 | 1 | 81.9 | 2 | 91 | 5 |
| L 1+00S 0+75E | .7 | 2.05 | 1 | 70 | 1.1 | 27 | .41 | .1 | 11 | 10 | 9 | 3.38 | 2 | .03 | 6 | 1.69 | 595 | 1 | .01 | 11 | 130 | 21 | 1 | 3 | 1 | 1 | .21 | 1 | 27.6 | 1 | 94 | 5 |
| L 1+00S 1+00E | .1 | 1.16 | 1 | 88 | .5 | 11 | .42 | .1 | 6 | 17 | 14 | 1.44 | 1 | .03 | 6 | .45 | 186 | 1 | .01 | 9 | 280 | 12 | 1 | 1 | 1 | 1 | .06 | 1 | 40.7 | 2 | 45 | 25 |
| L 1+00S 1+25E | .1 | 1.16 | 1 | 35 | .5 | 7 | .05 | .1 | 1 | 11 | 6 | .93 | 3 | .04 | 3 | .55 | 111 | 1 | .01 | 5 | 190 | 6 | 1 | 1 | 1 | 1 | .01 | 1 | 21.4 | 1 | 47 | 5 |
| L 1+00S 1+50E | .3 | .75 | 1 | 24 | .2 | 16 | .10 | .1 | 3 | 18 | 6 | .47 | 1 | .03 | 1 | .29 | 50 | 1 | .01 | 4 | 150 | 4 | 1 | 1 | 1 | 1 | .09 | 1 | 37.6 | 2 | 14 | 5 |
| L 1+00S 1+75E | .8 | 1.11 | 1 | 45 | .6 | 25 | .27 | .1 | 12 | 39 | 13 | 2.05 | 1 | .03 | 4 | .86 | 285 | 1 | .01 | 14 | 210 | 20 | 1 | 1 | 1 | 1 | .21 | 1 | 76.7 | 3 | 39 | 10 |
| L 1+00S 2+50E | .6 | .91 | 318 | 47 | 1.4 | 13 | .70 | .1 | 23 | 251 | 33 | 3.34 | 1 | .04 | 5 | 3.16 | 578 | 1 | .01 | 160 | 560 | 22 | 1 | 4 | 19 | 1 | .13 | 1 | 61.2 | 11 | 63 | 5 |
| L 1+00S 2+75E | .1 | 1.03 | 155 | 72 | 1.3 | 14 | .58 | .1 | 24 | 226 | 29 | 3.02 | 1 | .03 | 6 | 2.56 | 617 | 1 | .01 | 129 | 530 | 20 | 1 | 4 | 13 | 1 | .10 | 1 | 54.6 | 11 | 62 | 5 |
| L 1+00S 3+00E | .4 | .93 | 89 | 70 | 1.2 | 20 | .62 | .1 | 22 | 183 | 19 | 3.06 | 1 | .04 | 5 | 2.01 | 589 | 1 | .01 | 91 | 840 | 28 | 1 | 3 | 19 | 1 | .12 | 1 | 59.8 | 9 | 65 | 5 |
| L 1+00S 3+25E | .2 | 1.10 | 135 | 71 | 1.3 | 15 | .61 | .1 | 24 | 246 | 37 | 3.30 | 1 | .04 | 6 | 2.64 | 675 | 1 | .01 | 162 | 560 | 29 | 1 | 5 | 15 | 1 | .11 | 1 | 61.6 | 11 | 66 | 5 |
| L 1+00S 3+50E | .1 | 1.04 | 115 | 96 | 1.3 | 17 | .56 | .1 | 19 | 196 | 22 | 2.90 | 1 | .04 | 6 | 2.22 | 638 | 1 | .01 | 111 | 680 | 26 | 1 | 4 | 16 | 1 | .10 | 1 | 56.7 | 9 | 75 | 5 |
| L 1+00S 3+75E | .3 | .96 | 1 | 114 | .9 | 10 | .62 | .1 | 11 | 24 | 32 | 2.44 | 1 | .04 | 5 | .45 | 374 | 1 | .01 | 20 | 400 | 31 | 1 | 2 | 29 | 1 | .06 | 1 | 52.2 | 2 | 62 | 5 |
| L 1+00S 4+00E | .4 | 1.11 | 1 | 77 | .9 | 14 | .43 | .1 | 10 | 23 | 26 | 2.34 | 1 | .02 | 5 | .38 | 305 | 1 | .01 | 22 | 530 | 18 | 1 | 2 | 5 | 1 | .07 | 1 | 51.4 | 3 | 56 | 5 |
| L 2+00S 0+00 | .1 | 1.08 | 1 | 69 | .8 | 17 | .38 | .1 | 8 | 24 | 12 | 2.26 | 1 | .02 | 5 | .51 | 210 | 1 | .01 | 14 | 320 | 24 | 1 | 1 | 1 | 1 | .10 | 1 | 56.7 | 2 | 47 | 5 |

VENT GRID 1995

AP. 1 Page 2

COMP: C J L ENTERPRISES LTD
PROJ:
ATTN: LORNE WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0132-SJ3
DATE: 95/09/22
* soil * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-wet PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L 2+00S 0+25E | .1 | .93 | 1 | 100 | 1.0 | 8 | .40 | .1 | 6 | 16 | 18 | 1.82 | 1 | .04 | 7 | .36 | 246 | 1 | .01 | 15 | 440 | 24 | 5 | 1 | 13 | 1 | .04 | 1 | 45.2 | 1 | 53 | 5 |
| L 2+00S 0+50E | .1 | 1.09 | 1 | 89 | 1.3 | 5 | .32 | .1 | 6 | 16 | 14 | 2.05 | 1 | .04 | 7 | .33 | 220 | 1 | .01 | 15 | 310 | 24 | 5 | 1 | 7 | 1 | .03 | 1 | 45.2 | 1 | 57 | 5 |
| L 2+00S 0+75E | .1 | .89 | 1 | 54 | 1.1 | 5 | .29 | .1 | 5 | 12 | 11 | 2.05 | 1 | .03 | 3 | .27 | 213 | 1 | .01 | 12 | 1070 | 22 | 1 | 1 | 1 | 1 | .05 | 1 | 55.7 | 1 | 48 | 5 |
| L 2+00S 1+00E | .1 | .96 | 1 | 62 | 1.9 | 10 | .19 | .1 | 7 | 14 | 16 | 3.43 | 1 | .03 | 2 | .23 | 179 | 1 | .01 | 15 | 1400 | 35 | 1 | 1 | 1 | 1 | .06 | 1 | 84.9 | 1 | 51 | 10 |
| L 2+00S 1+25E | .1 | 1.02 | 1 | 75 | 1.5 | 10 | .22 | .1 | 7 | 13 | 14 | 2.62 | 1 | .03 | 3 | .37 | 223 | 1 | .01 | 15 | 570 | 31 | 3 | 1 | 1 | 1 | .08 | 1 | 63.9 | 1 | 60 | 5 |
| L 2+00S 1+50E | .1 | .95 | 1 | 59 | 1.3 | 8 | .30 | .1 | 6 | 12 | 13 | 2.39 | 1 | .02 | 3 | .31 | 190 | 1 | .01 | 14 | 420 | 29 | 2 | 1 | 1 | 1 | .09 | 1 | 75.4 | 1 | 49 | 5 |
| L 2+00S 1+75E | .1 | .87 | 1 | 26 | 1.0 | 7 | .09 | .1 | 3 | 5 | 6 | 1.86 | 6 | .02 | 2 | .44 | 186 | 3 | .01 | 8 | 260 | 24 | 5 | 1 | 1 | 1 | .03 | 1 | 28.7 | 1 | 56 | 25 |
| L 2+00S 2+00E | .1 | 1.46 | 1 | 64 | 1.5 | 8 | .22 | .1 | 7 | 21 | 17 | 2.56 | 1 | .02 | 7 | .32 | 171 | 2 | .01 | 19 | 960 | 30 | 9 | 1 | 1 | 1 | .04 | 1 | 45.7 | 2 | 51 | 5 |
| L 2+00S 2+25E | .1 | .97 | 1 | 59 | 1.5 | 8 | .24 | .1 | 7 | 19 | 17 | 2.48 | 1 | .03 | 6 | .36 | 190 | 1 | .01 | 17 | 740 | 26 | 4 | 1 | 1 | 1 | .04 | 1 | 44.9 | 1 | 53 | 125 |
| L 2+00S 2+50E | .1 | .97 | 1 | 65 | 1.4 | 8 | .25 | .1 | 6 | 21 | 16 | 2.37 | 3 | .02 | 6 | .33 | 180 | 1 | .01 | 22 | 1130 | 28 | 5 | 1 | 1 | 1 | .04 | 1 | 41.8 | 2 | 58 | 5 |
| L 2+00S 2+75E | .1 | 3.38 | 1 | 288 | 3.7 | 12 | .52 | .1 | 30 | 125 | 65 | 5.58 | 1 | .13 | 18 | 1.10 | 1429 | 4 | .01 | 80 | 1940 | 64 | 20 | 1 | 1 | 1 | .02 | 1 | 85.1 | 8 | 144 | 5 |
| L 2+00S 3+00E | .1 | .95 | 205 | 75 | 2.1 | 10 | .69 | .1 | 22 | 203 | 24 | 2.86 | 1 | .03 | 5 | 2.43 | 677 | 2 | .01 | 111 | 520 | 34 | 1 | 4 | 15 | 1 | .06 | 1 | 47.8 | 10 | 66 | 5 |
| L 2+00S 3+25E | .1 | .95 | 101 | 74 | 1.9 | 8 | .51 | .1 | 19 | 177 | 27 | 2.70 | 1 | .05 | 6 | 2.13 | 564 | 2 | .01 | 114 | 460 | 33 | 2 | 2 | 9 | 1 | .05 | 1 | 46.2 | 9 | 65 | 10 |
| L 2+00S 3+50E | .1 | 1.03 | 1 | 71 | 2.0 | 9 | .39 | .1 | 20 | 166 | 19 | 2.93 | 1 | .03 | 6 | 1.51 | 526 | 2 | .01 | 78 | 330 | 38 | 2 | 1 | 4 | 1 | .06 | 1 | 49.9 | 9 | 63 | 10 |
| L 2+00S 3+75E | .1 | .94 | 344 | 53 | 2.1 | 7 | .60 | .1 | 21 | 236 | 34 | 2.86 | 1 | .06 | 6 | 3.09 | 608 | 1 | .01 | 170 | 560 | 35 | 1 | 4 | 11 | 1 | .05 | 1 | 44.5 | 11 | 71 | 10 |
| L 2+00S 4+00E | .1 | .92 | 305 | 54 | 2.3 | 8 | .56 | .1 | 22 | 226 | 36 | 3.02 | 1 | .05 | 6 | 2.92 | 693 | 2 | .01 | 176 | 590 | 39 | 1 | 5 | 9 | 1 | .06 | 1 | 47.4 | 11 | 69 | 5 |

VENT GRID 1995

COMP: C J L ENTERPRISES LTD
PROJ:
ATTN: LORNE WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0132-RJ1
DATE: 95/09/22
• rock • (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-wet PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LB 95592 | 1.4 | .01 | 557 | 39 | 12.5 | 43 | .03 | .1 | 24 | 1 | 42 | >15.00 | 1 | .04 | 1 | .01 | 1 | 1 | .01 | 71 | 10 | 355 | 1 | 1 | 1 | 1 | .01 | 1 | .1 | 1 | 46 | 15 |
| LB 95593 | .1 | .13 | 1 | 12 | 1.2 | 5 | .60 | .1 | 3 | 19 | 6 | 2.37 | 1 | .08 | 1 | .19 | 888 | 6 | .04 | 10 | 270 | 30 | 1 | 1 | 11 | 1 | .01 | 1 | .6 | 1 | 79 | 5 |
| LB 95594 | 1.4 | 1.10 | 1 | 34 | 1.1 | 16 | .80 | .1 | 12 | 24 | 82 | 2.20 | 3 | .09 | 6 | 1.05 | 370 | 6 | .01 | 11 | 480 | 33 | 5 | 1 | 6 | 1 | .19 | 1 | 23.4 | 3 | 126 | 5 |
| LB 95595 | .9 | .79 | 1 | 34 | 1.0 | 11 | .62 | .1 | 12 | 30 | 48 | 1.68 | 3 | .09 | 7 | .78 | 280 | 8 | .01 | 20 | 400 | 22 | 3 | 1 | 6 | 1 | .14 | 1 | 15.9 | 2 | 47 | 5 |
| LB 95597 | 20.2 | .05 | 122 | 23 | 2.2 | 1 | .54 | .1 | 4 | 45 | >10000 | 4.08 | 1 | .02 | 1 | .28 | 630 | 3 | .01 | 13 | 560 | 198 | 25 | 1 | 1 | 1 | .01 | 1 | 2.3 | 3 | 372 | 80 |

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

# GEOCHEMICAL/ASSAY CERTIFICATE

**Hera Resources Inc.** PROJECT W.A.H. File # 95-2746

P.O. Box 11611, 350 - 650, Vancouver BC V6B 4N9

| 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 | Cu % | Ag** oz/t | Au** oz/t |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A 30301 | 5 | 4 | 3 | 28 | <.3 | 6 | 2 | 58 | 16.14 | 41 | <5 | <2 | 4 | 2 | <.2 | <2 | <2 | 2 | .03 | .010 | 2 | 6 | .06 | 4 | .01 | <3 | .11 | .07 | <.01 | <2 | <.001 | <.01 | <.001 |
| A 30302 | 8 | 4 | <3 | 19 | .4 | 10 | 2 | 32 | 17.80 | 45 | <5 | <2 | 4 | 3 | <.2 | <2 | 3 | 1 | .01 | .001 | 1 | 8 | .03 | 2 | .01 | <3 | .07 | .06 | <.01 | <2 | .001 | <.01 | <.001 |
| RE A 30302 | 9 | 4 | 6 | 15 | .3 | 9 | 2 | 34 | 17.88 | 45 | <5 | <2 | 4 | 2 | <.2 | <2 | <2 | 1 | .01 | .001 | 1 | 8 | .03 | 2 | .01 | <3 | .07 | .06 | <.01 | <2 | .001 | .01 | <.001 |

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.
CU BY REGULAR ASSAY ICP.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AG** + AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 8 1995 DATE REPORT MAILED: Aug 11/95 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Samples from Lone Wave at 1/2 Bx

VENT Massive Sulphides

AP. 1 Page 5

COMP: CJL ENTERPRISES LTD
PROJ: JIM MAY
ATTN: LORNE WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0024-RJ1+D
DATE: 95/06/1
* rock * (ACT:F31

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIT 1 | 3.5 | .88 | 1 | 13 | 1.3 | 43 | .83 | .1 | 51 | 83 | 65 | 5.91 | 3 | .02 | 3 | .74 | 169 | 1 | .05 | 36 | 1330 | 1 | 1 | 2 | 1 | 1 | .43 | 1 | 158.8 | 6 | 43 |
| SIT 2 | 2.1 | 1.26 | 1 | 40 | 1.0 | 30 | .46 | .1 | 19 | 33 | 24 | 5.08 | 1 | .09 | 5 | 1.34 | 489 | 1 | .03 | 16 | 980 | 1 | 1 | 2 | 1 | 1 | .32 | 1 | 101.6 | 2 | 67 |
| JIM 1 | 2.3 | .09 | 1498 | 25 | .3 | 2 | .07 | 2.9 | 3 | 119 | 12 | .92 | 2 | .09 | 1 | .04 | 50 | 3 | .01 | 6 | 20 | 16 | 13 | 1 | 3 | 1 | .01 | 1 | 3.0 | 6 | 59 |
| JIM 2 | 1.0 | 1.31 | 1 | 61 | 1.1 | 12 | .22 | .1 | 11 | 94 | 43 | 2.51 | 1 | .83 | 36 | 1.31 | 186 | 1 | .02 | 19 | 230 | 1 | 1 | 1 | 1 | 1 | .09 | 1 | 51.9 | 5 | 72 |
| JIM 3 | .9 | .11 | 73 | 17 | .8 | 5 | .20 | .1 | 18 | 64 | 40 | 3.06 | 2 | .06 | 1 | .06 | 65 | 2 | .05 | 32 | 300 | 1 | 1 | 1 | 1 | 1 | .01 | 1 | 4.4 | 3 | 14 |
| JIM 4 | 3.9 | .07 | 1189 | 7 | .2 | 6 | .02 | 5.9 | 4 | 76 | 8 | 1.16 | 2 | .09 | 1 | .02 | 26 | 1 | .01 | 8 | 10 | 175 | 8 | 1 | 1 | 1 | .01 | 1 | 1.3 | 4 | 470 |
| JIM 5 | 182.0 | .09 | 1777 | 10 | .3 | 1 | .02 | 13.2 | 3 | 84 | 84 | .77 | 1 | .10 | 1 | .02 | 56 | 3 | .01 | 3 | 70 | 249 | 55 | 1 | 1 | 1 | .01 | 1 | 1.6 | 4 | 242 |

AP. 1 Page 6

COMP: CJL ENTERPRISES LTD
PROJ: DIVE
ATTN: L.B.WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5v-0312-rj
DATE: 95/08/1
* rock * (ACT:F31

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0803951 | .1 | .81 | 18 | 32 | 1.2 | 6 | .06 | .1 | 6 | 32 | 9 | 4.10 | 1 | .20 | 2 | .84 | 255 | 8 | .01 | 14 | 60 | 47 | 1 | 3 | 1 | 1 | .03 | 500 | 7.3 | 1 | 56 |
| 0803952 | .1 | .08 | 237 | 26 | 2.8 | 15 | .01 | .1 | 15 | 51 | 8 | >15.00 | 1 | .01 | 1 | .01 | 1 | 10 | .06 | 33 | 10 | 139 | 1 | 11 | 1 | 1 | .01 | 500 | 5.3 | 1 | 19 |
| 0803953 | .1 | .04 | 272 | 34 | 3.6 | 22 | .01 | .1 | 20 | 40 | 9 | >15.00 | 1 | .01 | 1 | .01 | 1 | 1 | .04 | 46 | 10 | 149 | 1 | 17 | 1 | 1 | .01 | 500 | 7.1 | 1 | 23 |

MINERAL
•ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
8282 SHERBROOKE STREET
VANCOUVER, B.C. CANADA V5X 4E8
TELEPHONE (604) 327-3436
FAX (604) 327-3423

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

## *Assay Certificate*

**5V-0312-RA1**

Company: **CJL ENTERPRISES LTD**
Project: DIVE
Attn: L.B.WARREN

Date: AUG-09-95
Copy 1. CJL Enterprises Ltd., Smithers, B.C.

*We hereby certify* the following Assay of 3 rock samples submitted AUG-08-95 by L.B.WARREN.

| Sample Number | Au-fire g/tonne | Au-fire oz/ton | Cu % | Pb % | Zn % |
|---|---|---|---|---|---|
| 0803951 | .01 | .001 | .001 | .01 | .01 |
| 0803952 | .01 | .001 | .001 | .01 | .01 |
| 0803953 | .01 | .001 | .001 | .01 | .01 |

*Certified by* _____

MIN-EN LABORATORIES

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218


To: HRC DEVELOPMENT CORP.

1920 - 1055 W. HASTINGS ST.
VANCOUVER, BC
V6E 2E9

Page Number :1-A
Total Pages :1
Certificate Date: 12-OCT-95
Invoice No. :I9530148
P.O. Number :
Account :KZL

Project: MT BODINE
Comments: ATTN: E. G. LOCKHART CC: G. NORMAN / G. NORDIN /W. MATHISON

## CERTIFICATE OF ANALYSIS A9530148

| SAMPLE | PREP CODE | | Au ppb FA+AA | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm | Hg ppm | K % | La ppm | Mg % | Mn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOD1 | 205 | 226 | < 5 | < 0.2 | 0.16 | < 2 | < 10 | < 0.5 | < 2 | 0.17 | < 0.5 | 1 | 66 | 11 | 1.94 | < 10 | < 1 | 0.02 | < 10 | 0.06 | 565 |
| BOD2 | 205 | 226 | 30 | 1.8 | 0.35 | 20 | < 10 | < 0.5 | 2 | 0.10 | < 0.5 | 1 | 44 | 22 | 12.65 | < 10 | < 1 | 0.02 | < 10 | 0.23 | 415 |
| BOD3 | 205 | 226 | < 5 | < 0.2 | 0.28 | 6 | < 10 | < 0.5 | < 2 | 0.01 | < 0.5 | < 1 | 61 | 3 | 1.94 | < 10 | 1 | 0.02 | < 10 | 0.13 | 130 |
| BOD5 | 205 | 226 | < 5 | < 0.2 | 1.88 | 12 | 30 | < 0.5 | 2 | 0.15 | 0.5 | 1 | 42 | 18 | 4.13 | < 10 | 1 | 0.02 | < 10 | 1.36 | 1600 |
| BOD6 | 205 | 226 | < 5 | < 0.2 | 0.54 | 6 | < 10 | < 0.5 | < 2 | 0.22 | < 0.5 | 1 | 24 | 39 | 4.28 | < 10 | < 1 | 0.01 | < 10 | 0.95 | 1430 |
| BOD7 | 205 | 226 | < 5 | 2.6 | 0.61 | 18 | 20 | < 0.5 | 2 | 0.16 | 14.5 | 3 | 68 | 1910 | 4.61 | < 10 | < 1 | 0.05 | < 10 | 0.70 | 2220 |
| BOD8 | 205 | 226 | < 5 | 0.2 | 1.13 | 8 | < 10 | < 0.5 | 2 | 0.02 | < 0.5 | < 1 | 30 | 156 | 7.96 | < 10 | 1 | 0.01 | < 10 | 0.82 | 665 |
| BOD9 | 205 | 226 | < 5 | < 0.2 | 2.21 | 6 | 70 | < 0.5 | 2 | 1.92 | < 0.5 | 14 | 66 | 90 | 3.84 | < 10 | < 1 | 0.19 | < 10 | 1.71 | 555 |
| V1 | 205 | 226 | < 5 | 0.2 | 0.06 | 46 | < 10 | < 0.5 | 2 | < 0.01 | < 0.5 | < 1 | 59 | 5 | >15.00 | < 10 | 2 | 0.01 | < 10 | 0.01 | 20 |
| V2 | 205 | 226 | < 5 | < 0.2 | 2.23 | < 2 | 10 | < 0.5 | 2 | 0.23 | 0.5 | 10 | 26 | 30 | 4.36 | < 10 | < 1 | 0.04 | < 10 | 1.51 | 880 |
| V3 | 205 | 226 | < 5 | < 0.2 | 0.52 | < 2 | < 10 | < 0.5 | < 2 | 0.02 | < 0.5 | < 1 | 49 | 1 | 1.95 | < 10 | < 1 | 0.02 | < 10 | 0.26 | 90 |
| OL1 | 205 | 226 | < 5 | < 0.2 | 2.16 | < 2 | < 10 | < 0.5 | 2 | 0.16 | < 0.5 | 4 | 37 | 21 | 6.26 | 10 | < 1 | < 0.01 | < 10 | 1.93 | 515 |
| OL2 | 205 | 226 | < 5 | < 0.2 | 1.97 | < 2 | < 10 | < 0.5 | 2 | 0.10 | < 0.5 | 4 | 45 | 2 | 4.57 | 10 | < 1 | 0.01 | < 10 | 1.96 | 130 |
| OL3 | 205 | 226 | < 5 | < 0.2 | 1.13 | < 2 | < 10 | < 0.5 | 2 | 0.03 | < 0.5 | 2 | 77 | 3 | 3.89 | < 10 | < 1 | < 0.01 | < 10 | 1.08 | 365 |

CERTIFICATION:

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HRC DEVELOPMENT CORP.

1920 - 1055 W. HASTINGS ST.
VANCOUVER, BC
V6E 2E9

Page Number :1-B
Total Pages :1
Certificate Date: 12-OCT-95
Invoice No. :I9530148
P.O. Number :
Account :KZL

Project : MT BODINE
Comments: ATTN: E. G. LOCKHART CC: G. NORMAN / G. NORDIN /W. MATHISON

## CERTIFICATE OF ANALYSIS A9530148

| SAMPLE | PREP CODE | | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sr ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOD1 | 205 | 226 | < 1 | 0.03 | 1 | 120 | 2 | < 2 | 5 | 9 | < 0.01 | < 10 | < 10 | 1 | < 10 | 102 |
| BOD2 | 205 | 226 | 18 | < 0.01 | 13 | 170 | 24 | 2 | < 1 | 2 | < 0.01 | < 10 | < 10 | 3 | < 10 | 68 |
| BOD3 | 205 | 226 | < 1 | 0.07 | < 1 | 200 | 4 | < 2 | 2 | 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 28 |
| BOD5 | 205 | 226 | 3 | 0.03 | < 1 | 1040 | 18 | < 2 | 8 | 8 | < 0.01 | < 10 | < 10 | 10 | < 10 | 484 |
| BOD6 | 205 | 226 | 1 | 0.02 | < 1 | 760 | 2 | < 2 | 6 | 8 | < 0.01 | < 10 | < 10 | 3 | < 10 | 234 |
| BOD7 | 205 | 226 | 3 | 0.03 | 1 | 710 | 98 | 2 | 6 | 8 | < 0.01 | < 10 | < 10 | 7 | < 10 | 2750 |
| BOD8 | 205 | 226 | 9 | 0.01 | < 1 | 520 | 10 | < 2 | 4 | 2 | < 0.01 | < 10 | < 10 | 4 | < 10 | 800 |
| BOD9 | 205 | 226 | < 1 | 0.01 | 46 | 1030 | 6 | < 2 | 3 | 125 | < 0.01 | < 10 | < 10 | 43 | < 10 | 102 |
| V1 | 205 | 226 | 6 | 0.04 | 3 | 20 | 4 | < 2 | < 1 | < 1 | < 0.01 | < 10 | < 10 | < 1 | < 10 | 12 |
| V2 | 205 | 226 | < 1 | 0.05 | 4 | 600 | < 2 | < 2 | 10 | 14 | 0.04 | < 10 | < 10 | 50 | < 10 | 102 |
| V3 | 205 | 226 | < 1 | 0.09 | 2 | 150 | 4 | < 2 | 4 | 4 | < 0.01 | < 10 | < 10 | 4 | < 10 | 40 |
| OL1 | 205 | 226 | 1 | 0.04 | < 1 | 1240 | 2 | 2 | 14 | 9 | 0.28 | < 10 | < 10 | 70 | < 10 | 34 |
| OL2 | 205 | 226 | 1 | 0.07 | 1 | 890 | < 2 | < 2 | 10 | 3 | < 0.01 | < 10 | < 10 | 65 | < 10 | 12 |
| OL3 | 205 | 226 | < 1 | 0.08 | 2 | 340 | 2 | < 2 | 9 | 2 | 0.09 | < 10 | < 10 | 86 | < 10 | 24 |

CERTIFICATION:

COMP: CJL ENTERPRISES LTD
PROJ:
ATTN: LORNE WARREN

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0115-RJ1
DATE: 95/09/08
* rock * (ACT:F31)

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-Wet PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOURCE 1 5S-4W B | 1.1 | .21 | 102 | 50 | .2 | 1 | >15.00 | .1 | 2 | 23 | 17 | .64 | 1 | .01 | 2 | 1.18 | 1402 | 1 | .01 | 5 | 120 | 5 | 1 | 1 | 3564 | 13 | .01 | 1 | 11.9 | 1 | 27 | 5 |
| SOURCE 1 5S-4W A | .2 | .89 | 1 | 75 | .8 | 1 | .18 | .1 | 7 | 48 | 45 | 3.72 | 1 | .17 | 8 | 1.09 | 106 | 1 | .01 | 10 | 470 | 17 | 1 | 5 | 1 | 1 | .01 | 1 | 21.3 | 1 | 44 | 5 |
| 2 LAKES -1 | .5 | .08 | 102 | 64 | 1.0 | 9 | .33 | .1 | 7 | 85 | 6 | 7.08 | 3 | .01 | 1 | .05 | 2 | 1 | .02 | 15 | 550 | 53 | 1 | 9 | 46 | 1 | .02 | 1 | 32.1 | 1 | 22 | 5 |
| PB-1 | 1.1 | .96 | 1 | 29 | 1.0 | 6 | .26 | .1 | 10 | 43 | 30 | 6.10 | 2 | .14 | 5 | .87 | 678 | 1 | .01 | 17 | 290 | 89 | 1 | 8 | 1 | 1 | .01 | 1 | 11.7 | 1 | 89 | 15 |
| PB-5 | 1.1 | .12 | 584 | 49 | 1.0 | 1 | >15.00 | .1 | 12 | 61 | 3 | 1.51 | 1 | .04 | 1 | 11.05 | 3047 | 1 | .01 | 1 | 10 | 1 | 1 | 3 | 375 | 1 | .01 | 1 | 35.1 | 1 | 39 | 5 |
| NV-4 | 2.2 | .36 | 87 | 25 | .6 | 26 | 1.71 | .1 | 25 | 66 | 50 | 3.21 | 6 | .15 | 1 | .32 | 70 | 4 | .04 | 16 | 4550 | 20 | 1 | 4 | 171 | 1 | .22 | 1 | 45.9 | 5 | 18 | 5 |
| NV-3 | 2.2 | 1.19 | 1 | 44 | .8 | 19 | 1.19 | .1 | 44 | 87 | 52 | 5.29 | 5 | .15 | 5 | .98 | 209 | 1 | .02 | 38 | 2740 | 30 | 1 | 7 | 60 | 1 | .18 | 1 | 66.0 | 2 | 72 | 5 |
| NV-2 | .7 | .71 | 1 | 13 | .5 | 1 | .59 | .1 | 12 | 57 | 251 | 1.72 | 2 | .03 | 2 | .94 | 193 | 1 | .04 | 7 | 220 | 1 | 1 | 2 | 1 | 1 | .05 | 1 | 16.7 | 1 | 31 | 5 |
| NV-1 | 2.0 | .48 | 48 | 48 | .7 | 19 | 1.10 | .1 | 43 | 57 | 52 | 4.16 | 5 | .19 | 3 | .36 | 92 | 12 | .02 | 39 | 2540 | 36 | 1 | 5 | 90 | 1 | .18 | 1 | 37.9 | 2 | 37 | 5 |
| NR-1 | .4 | .09 | 87 | 18 | .3 | 3 | .04 | .1 | 1 | 109 | 8 | .82 | 2 | .06 | 1 | .02 | 26 | 32 | .01 | 5 | 130 | 9 | 1 | 1 | 7 | 1 | .01 | 1 | 2.3 | 6 | 67 | 5 |
| C1 | .6 | .46 | 27 | 17 | 1.0 | 1 | .41 | 55.4 | 11 | 32 | 4177 | 5.16 | 1 | .02 | 2 | 1.27 | 1734 | 6 | .02 | 16 | 590 | 43 | 1 | 7 | 36 | 1 | .01 | 1 | 12.5 | 1 | 7018 | 40 |
| C2 | .1 | .10 | 1 | 31 | .8 | 4 | .76 | .1 | 6 | 71 | 42 | 5.08 | 1 | .05 | 1 | .08 | 1362 | 1 | .01 | 18 | 60 | 43 | 1 | 6 | 14 | 1 | .01 | 1 | 4.3 | 1 | 80 | 5 |
| V56-1 | 4.3 | .84 | 167 | 46 | 1.6 | 48 | 1.54 | .1 | 38 | 131 | 98 | 14.15 | 17 | .06 | 2 | .41 | 312 | 46 | .04 | 43 | 1030 | 105 | 1 | 21 | 175 | 1 | .55 | 1 | 104.7 | 6 | 124 | 5 |
| V56-2 | 2.3 | 1.47 | 1 | 46 | 1.1 | 31 | 1.52 | .1 | 33 | 58 | 28 | 6.38 | 8 | .11 | 4 | 1.46 | 876 | 1 | .03 | 19 | 3500 | 30 | 1 | 9 | 91 | 1 | .30 | 1 | 85.3 | 1 | 97 | 5 |
| V56-3 | 1.5 | 2.47 | 1 | 21 | 1.3 | 15 | 2.24 | .1 | 30 | 56 | 44 | 6.55 | 2 | .01 | 10 | 2.61 | 1316 | 1 | .02 | 20 | 730 | 12 | 1 | 9 | 1 | 1 | .16 | 1 | 258.4 | 1 | 111 | 5 |
| R1 | .1 | .17 | 18 | 26 | .2 | 3 | .15 | .1 | 4 | 50 | 12 | .79 | 1 | .04 | 1 | .13 | 232 | 6 | .01 | 8 | 120 | 8 | 1 | 1 | 5 | 1 | .01 | 1 | 12.6 | 2 | 58 | 10 |
| B2 | 1.4 | .20 | 1242 | 34 | 1.5 | 1 | 2.31 | .1 | 62 | 893 | 12 | 2.89 | 1 | .02 | 3 | 13.01 | 506 | 1 | .02 | 945 | 10 | 1 | 1 | 6 | 295 | 1 | .01 | 1 | 30.2 | 1 | 28 | 5 |
| B1 | .6 | .61 | 1 | 49 | .6 | 4 | .65 | .1 | 17 | 36 | 101 | 2.42 | 1 | .15 | 5 | .88 | 174 | 1 | .02 | 44 | 990 | 13 | 1 | 3 | 30 | 1 | .08 | 1 | 13.7 | 1 | 43 | 5 |

COMP: CANAM MINING CORP.
PROJ: BODINE
ATTN: JOHN MIRILO

# MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0395-RJ1+
DATE: 95/10/0
* rock * (ACT:F31

| SAMPLE NUMBER | AG PPM | AL % | AS PPM | BA PPM | BE PPM | BI PPM | CA % | CD PPM | CO PPM | CR PPM | CU PPM | FE % | GA PPM | K % | LI PPM | MG % | MN PPM | MO PPM | NA % | NI PPM | P PPM | PB PPM | SB PPM | SN PPM | SR PPM | TH PPM | TI % | U PPM | V PPM | W PPM | ZN PPM | Au-fire PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BFP1 | .3 | 1.13 | 1 | 86 | 1.9 | 8 | 1.16 | .1 | 13 | 39 | 83 | 2.72 | 2 | .12 | 11 | 1.15 | 512 | 3 | .06 | 19 | 1370 | 38 | 6 | 1 | 49 | 1 | .05 | 1 | 55.1 | 3 | 174 | 12 |
| MT1 | .6 | 1.02 | 1 | 41 | 1.2 | 7 | .93 | .1 | 12 | 35 | 83 | 1.69 | 1 | .11 | 2 | .19 | 142 | 5 | .13 | 9 | 710 | 21 | 6 | 1 | 29 | 1 | .08 | 1 | 35.2 | 2 | 25 | 8 |
| MT2 | .5 | .65 | 1 | 26 | 1.3 | 7 | .52 | .1 | 17 | 40 | 81 | 1.99 | 1 | .10 | 3 | .35 | 159 | 3 | .05 | 14 | 540 | 22 | 2 | 1 | 5 | 1 | .07 | 1 | 29.5 | 2 | 29 | 10 |
| MT3 | 3.3 | .03 | 430 | 6 | .2 | 7 | >15.00 | .1 | 3 | 15 | 8 | .63 | 16 | .02 | 1 | .05 | 70 | 1 | .01 | 7 | 180 | 19 | 18 | 1 | 1 | 1 | .01 | 1 | 8.3 | 1 | 25 | 4 |
| MT4 | 1.0 | .81 | 161 | 24 | 6.0 | 16 | 1.62 | .1 | 19 | 25 | 271 | 10.62 | 1 | .13 | 4 | .16 | 264 | 1 | .04 | 36 | 330 | 96 | 1 | 1 | 1 | 1 | .07 | 1 | 43.4 | 1 | 22 | 201 |
| MT5 | .4 | .92 | 1 | 22 | 1.5 | 6 | 1.02 | .1 | 8 | 25 | 22 | 2.11 | 1 | .07 | 5 | .31 | 177 | 2 | .11 | 8 | 780 | 21 | 4 | 1 | 23 | 1 | .07 | 1 | 38.9 | 1 | 23 | 6 |
| MT6 | .4 | 1.87 | 1 | 26 | 2.0 | 10 | 1.41 | .1 | 10 | 34 | 60 | 2.82 | 1 | .07 | 8 | .51 | 375 | 2 | .21 | 12 | 830 | 36 | 14 | 1 | 23 | 1 | .08 | 1 | 54.0 | 3 | 49 | 10 |
| 214.9 | 2.1 | .76 | 288 | 30 | 4.2 | 23 | 1.84 | .1 | 21 | 46 | 54 | 7.14 | 1 | .05 | 4 | 1.02 | 328 | 2 | .02 | 35 | 1090 | 74 | 1 | 1 | 1 | 1 | .23 | 1 | 66.1 | 2 | 65 | 5 |
| 221.5 | .5 | .81 | 34 | 74 | 3.1 | 12 | 5.33 | .1 | 18 | 48 | 34 | 4.45 | 1 | .21 | 7 | 1.08 | 833 | 2 | .03 | 24 | 1390 | 49 | 2 | 1 | 204 | 1 | .06 | 1 | 53.5 | 2 | 63 | 3 |
| 222.1 | .1 | .18 | 1 | 29 | .5 | 3 | .26 | .1 | 3 | 98 | 15 | .56 | 1 | .03 | 4 | .15 | 99 | 3 | .01 | 7 | 130 | 8 | 1 | 1 | 13 | 1 | .02 | 1 | 4.7 | 4 | 27 | 6 |
| 223.0 | .1 | .35 | 1 | 56 | .7 | 2 | .28 | .1 | 3 | 138 | 24 | .91 | 1 | .07 | 4 | .28 | 199 | 4 | .01 | 12 | 100 | 13 | 1 | 1 | 4 | 1 | .01 | 1 | 9.7 | 6 | 28 | 3 |
| 233.9 | .1 | .12 | 1 | 45 | .5 | 1 | .51 | .1 | 2 | 106 | 25 | .41 | 1 | .02 | 1 | .08 | 309 | 1 | .01 | 7 | 110 | 6 | 1 | 1 | 41 | 1 | .01 | 1 | 2.1 | 5 | 12 | 3 |
| 233.95 | .1 | .10 | 375 | 29 | 1.5 | 2 | 3.67 | .1 | 4 | 88 | 68 | 1.54 | 2 | .04 | 1 | 1.50 | 490 | 7 | .01 | 21 | 460 | 22 | 1 | 3 | 32 | 1 | .01 | 1 | 7.0 | 4 | 43 | 7 |
| 234.0 | .1 | .19 | 1 | 78 | .5 | 3 | .76 | .1 | 4 | 153 | 34 | .76 | 1 | .03 | 2 | .15 | 4080 | 3 | .02 | 22 | 250 | 27 | 1 | 2 | 113 | 1 | .01 | 1 | 5.4 | 8 | 23 | 1 |
| 234.1 | .5 | .03 | 403 | 38 | 4.5 | 11 | .03 | .1 | 6 | 190 | 33 | 7.49 | 1 | .03 | 1 | .01 | 77 | 9 | .01 | 24 | 10 | 71 | 1 | 1 | 1 | 1 | .01 | 1 | 2.5 | 7 | 15 | 39 |
| QC951 | .8 | .06 | 2164 | 14 | 4.3 | 1 | .30 | .1 | 71 | 258 | 33 | 4.69 | 1 | .02 | 1 | >15.00 | 539 | 1 | .01 | 808 | 10 | 1 | 1 | 18 | 1 | 1 | .01 | 1 | 16.7 | 1 | 20 | 7 |
| QC952 | 1.1 | .02 | 1902 | 8 | 3.4 | 1 | .26 | .1 | 50 | 249 | 12 | 3.05 | 1 | .01 | 1 | >15.00 | 414 | 1 | .01 | 743 | 10 | 1 | 1 | 18 | 3 | 1 | .01 | 1 | 15.8 | 1 | 16 | 3 |
| QC953 | .7 | .03 | 2015 | 11 | 4.4 | 1 | .29 | .1 | 73 | 265 | 35 | 4.63 | 1 | .01 | 1 | >15.00 | 615 | 1 | .01 | 872 | 10 | 1 | 1 | 17 | 1 | 1 | .01 | 1 | 16.6 | 1 | 22 | 9 |
| 959141 | 1.4 | .52 | 1 | 15 | 1.1 | 14 | .95 | .1 | 15 | 45 | 63 | 1.85 | 1 | .01 | 1 | .44 | 227 | 1 | .04 | 10 | 1440 | 18 | 1 | 1 | 2 | 1 | .18 | 1 | 34.5 | 3 | 17 | 1 |
| MB1 | .1 | 1.89 | 1 | 110 | 2.9 | 10 | .34 | .1 | 12 | 46 | 30 | 4.24 | 1 | .27 | 15 | 1.42 | 769 | 2 | .03 | 21 | 100 | 51 | 12 | 1 | 1 | 1 | .03 | 1 | 56.0 | 4 | 107 | 3 |
| MB2 | .1 | 1.81 | 1 | 71 | 2.9 | 8 | .46 | .1 | 15 | 35 | 38 | 4.07 | 1 | .21 | 14 | 1.47 | 648 | 3 | .02 | 20 | 700 | 46 | 11 | 2 | 1 | 1 | .03 | 1 | 55.8 | 3 | 113 | 5 |
| MB3 | .1 | 2.29 | 1 | 61 | 3.3 | 7 | .56 | .1 | 18 | 67 | 107 | 4.11 | 1 | .19 | 17 | 2.53 | 610 | 2 | .01 | 62 | 950 | 45 | 14 | 5 | 1 | 1 | .01 | 1 | 37.2 | 4 | 100 | 1 |
| MB4 | .1 | 1.34 | 1 | 61 | 2.3 | 7 | .86 | .1 | 11 | 34 | 61 | 3.21 | 1 | .19 | 11 | 1.08 | 601 | 3 | .03 | 18 | 690 | 36 | 8 | 1 | 20 | 1 | .02 | 1 | 34.7 | 2 | 84 | 2 |
| RD2391 | .6 | .03 | 508 | 29 | 6.7 | 16 | .01 | .1 | 10 | 15 | 43 | 11.68 | 1 | .03 | 1 | .01 | 1 | 39 | .01 | 30 | 10 | 105 | 1 | 1 | 1 | 1 | .01 | 1 | 3.0 | 1 | 19 | 27 |
| RD2392 | .1 | .03 | 110 | 18 | .8 | 1 | 1.16 | .1 | 1 | 58 | 15 | 1.05 | 1 | .03 | 1 | .36 | 110 | 4 | .01 | 6 | 130 | 15 | 1 | 1 | 23 | 1 | .01 | 1 | 2.4 | 2 | 9 | 1 |
| LB95591 | 1.1 | 1.42 | 1 | 10 | 2.7 | 13 | 1.14 | .1 | 35 | 58 | 176 | 3.81 | 1 | .04 | 9 | 1.45 | 593 | 4 | .09 | 50 | 460 | 39 | 8 | 1 | 1 | 1 | .13 | 1 | 85.7 | 4 | 216 | 3 |
| LB95595 | 1.8 | 2.22 | 70 | 9 | 6.7 | 18 | 4.40 | .1 | 14 | 167 | 281 | 10.20 | 1 | .01 | 6 | 1.64 | 796 | 35 | .02 | 65 | >10000 | 118 | 11 | 1 | 21 | 1 | .05 | 1 | 482.4 | 14 | 204 | 4 |

# APPENDIX 2
# Geochronological and Radiogenic Isotopic Investigations of VMS Deposites within Accreted Terranes of the Canadian Cordillera

By:
Fiona Childe

# Geochronological and Radiogenic Isotopic Investigations of VMS deposits within Accreted Terranes of the Canadian Cordillera

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*Mineral Deposit Research Unit, UBC*

Contents

## 1.1 Kutcho Formation

### Geology

The Kutcho Formation is host to the Kutcho Creek VMS deposit, with reserves of 17 Mt of 1.6% Cu, 2.3% Zn, 29 g/t Ag and 0.3 g/t Au (Bridge et al., 1986). The predominantly volcanic Kutcho Formation forms the basal unit to the King Salmon allochthon, a discrete thrust and fault-bounded block within the Cry Lake Map Area (NTS 104-I) of north central British Columbia. The Kutcho Formation is overlain by lenses of limestone which have been correlated with the Upper Triassic Sinwa Formation (Monger and Thorstad, 1978) and argillites and siltstones which have been correlated with the Inklin Formation of the Lower Jurassic Laberge Group (Gabrielse, 1962). The allochthon was tectonically emplaced onto the Cache Creek terrane and is in fault contact with the Stikine terrane. The lack of analogous stratigraphy in, and primary contact relationships with, the adjacent terranes has left the terrane affiliation of the Kutcho Formation ambiguous. Previously the Kutcho Formation has been correlated with the Lower Permian Asitka Group of the Stikine terrane (Panteleyev and Pearson, 1976; Monger, 1977), the Upper Triassic Takla Group of the Quesnell terrane (Thorstad and Gabrielse, 1986), the Cache Creek terrane (Thorstad and Gabrielse, 1986, Gabrielse, 1990a), and Upper Triassic rocks of the Stikine terrane (Höy, 1991). Prior to this study the Kutcho Formation was assigned an Upper Triassic age based on a Rb-Sr whole rock age of 210 ±10 Ma (Thorstad and Gabrielse, 1986). An Upper Triassic age designation would imply that Kutcho mineralization formed in the same time interval as several other significant VMS deposits in the North American Cordillera, including the Windy Craggy (Orchard, 1986), Greens Creek (Newberry *et al.*, 1990) and Granduc (Childe *et al.*, 1994) deposits.

Rocks of the Kutcho Formation can be broadly divided into northern and southern sequences, with the southern sequence composed of interbedded bimodal, tuffaceous volcanic rocks with minor argillaceous sediments and pillowed basalt flows. The southern sequence is cut by at least two types of felsic intrusions, these include an equigranular unit which has been interpreted to be trondhjemite (Pearson and Panteleyev, 1975) and a quartz and feldspar porphyritic subvolcanic intrusion of rhyolitic composition which is characterized by locally abundant metamorphic biotite, which has been termed the biotite rhyolite (Bridge et al, 1986). The northern sequence, which hosts mineralization at Kutcho, is composed primarily of plagioclase and/or quartz porphyritic rhyolitic fragmental rocks of probable mass flow and pyroclastic origin. Felsic volcaniclastic rocks in the footwall and immediate hangingwall to

mineralization show strong sericite-pyrite-carbonate alteration; outside of this alteration halo the fragmental texture of felsic volcanic rocks is well preserved. The volcanic sequence is capped by argillite and siltstone, which are in turn overlain by conglomerates composed primarily of clasts derived from the underlying volcanic rocks. Coarse-grained augite±plagioclase porphyritic gabbro sills and dykes intrude the northern sequence, primarily along the felsic volcanic-sediment contact; locally developed peperitic interaction textures with the sediments indicate that some sills intruded into unlithified wet sediments. Preliminary lithogeochemistry by Thompson et al. (1995) and Barrett et al. 1995) has shown that the rhyolitic and basaltic volcanic rocks, as well as felsic intrusive rocks of the Kutcho Formation have a tholeiitic affinity, with very low concentrations of incompatible and rare-earth elements. In contrast, the gabbro sills near the top of the sequence have trace element signatures that are similar to those of alkaline arc magmas (Thompson et al., 1995).

Mineralization at Kutcho Creek consists of three subcropping, east-west striking *en echelon* massive sulphide orebodies with a predominant sulphide mineralogy of massive pyrite, chalcopyrite, bornite and sphalerite. This style of mineralization is locally overlain by a veined brecciated, laminated dolomite facies in which the brecciated areas are infilled by an assemblage of quartz-calcite-pyrite-bornite-covellite; darker laminae within the dolomite contain pyrite.

U-Pb Geochronology

In the current study three units from the Kutcho Formation were dated by U-Pb zircon geochronology. The three samples consisted of a coarsely quartz porphyritic mass flow from the immediate hangingwall to mineralization (KC-GC-01), a biotite rhyolite subvolcanic intrusive (KC-GC-03), and a plagioclase-quartz porphyritic mass flow from the footwall of the deposit (KC-GC-04). Samples of the trondjhemite and gabbro sill were collected in both the 1994 and 1995 field seasons, but heavy mineral separation did not yield zircon or other dateable minerals.

Zircon from the three felsic units of the Kutcho Formation dated in the current study were visually and chemically similar. The rocks contained small prismatic zircon with few inclusions and good clarity, but numerous fractures and generally rough surfaces. All zircon from the Kutcho Formation were characterized by unusually low U concentrations (Table 1). Those from sample KC-GC-04 were the

lowest of the three rocks, with all fractions having U concentrations under 100 ppm. This characteristic of the zircon contributed to relatively low ratios of radiogenic to common lead ($^{206}Pb/^{204}Pb$) in the analyses.

Analysis of six fractions of abraded zircon from sample KC-GC-01 yielded $^{207}Pb/^{206}Pb$ ages of 240 to 247 Ma (Table 1, Fig. 2). Fractions O and N were overlapping and concordant; all other fractions were slightly discordant, probably as a result of low temperature lead-loss. An Earliest Triassic age of 242 +/-1 Ma was calculated for this rock based on the $^{206}Pb/^{238}U$ ages and errors of the two concordant fractions.

Analysis of three fractions of abraded zircon from sample KC-GC-03 yielded $^{207}Pb/^{206}Pb$ ages of 242 to 248 Ma (Table 1, Fig. 3). All fractions were slightly discordant and therefore the weighted mean $^{207}Pb/^{206}Pb$ age of all three fractions, of 244 +/-6 Ma is considered to be the best estimate of the age of this rock.

Analysis of six fractions of abraded zircon from sample KC-GC-04 yielded $^{207}Pb/^{206}Pb$ ages of 241 to 251 Ma (Table 1, Fig. 4). Fraction F was concordant, while all other fractions were slightly discordant. A weighted mean $^{207}Pb/^{206}Pb$ age of all six fractions was 246 +/-7 Ma; an age of 246 +7/-5 Ma, based on the $^{207}Pb/^{206}Pb$ age and upper error, and $^{206}Pb/^{238}U$ lower error is considered to be the best estimate of the age of this rock.

Nd Isotopes

The Nd isotopic signatures of rocks from the Kutcho Formation were determined to constrain the characteristics of the magmas and potential source regions. Neodymium isotopic analyses presented in this and subsequent sections were conducted by R. Thériault at the Geochronology Laboratory of the Geological Survey of Canada. Analytical procedures are described by Thériault (1990). Analytical uncertainty is $\pm 0.5$ $\varepsilon_{Nd}$ unit; abundances of Sm and Nd were determined by isotope dilution and have an uncertainty of 1% or less.

Rocks of the Kutcho Formation selected for Nd isotopic analysis consisted of the quartz porphyritic mass flow from the immediate hangingwall to mineralization (KC-GC-01), the biotite rhyolite

subvolcanic intrusive (KC-GC-03), the trondhjemite (KC-GC-02) and the gabbro sill (KC-GC-05). These four units had initial $\varepsilon_{Nd}$ signatures of +7.5 to +7.8 (Table 2). These high positive values attest to the primitive nature of rocks of the Kutcho Formation and are comparable to values for mafic volcanic and intrusive rocks of the Stuhini and Nicola Groups, and the Slide Mountain and Cache Creek terranes (Sampson et al., 1989; Jackson, 1990; Smith and Lambert, 1995) (Fig. 6). Values for Kutcho Formation felsic rocks are more primitive than any published values for felsic rocks from the Canadian Cordillera.

Pb Isotopes

Base metal sulphides from the three mineralized lenses (Kutcho, Sumac West, and Esso West) of the Kutcho Creek deposit were analyzed for their lead isotopic composition. Sulphides from the three lenses were relatively primitive, compared to other VMS deposits in the Cordillera (Table 3, Fig. 5).

Rare Earth Elements

Rocks of the Kutcho Formation selected for rare earth element (REE) analysis consisted of the quartz porphyritic mass flow from the immediate hangingwall to mineralization (KC-GC-01), the biotite rhyolite subvolcanic intrusive (KC-GC-03), the trondhjemite (KC-GC-02), the biotite rhyolite intrusive, and the gabbro sill (KC-GC-05) (Fig. 7; for lithogeochemical data see Barrett, this volume). REE patterns for the four felsic rocks from the Kutcho Formation suggested a tholeiitic magmatic affinity, whereas that of the gabbro sill was slightly light REE enriched, suggesting a more evolved magmatic source.

Possible Correlative with the Kutcho Formation

The new age and isotopic constraints determined in this study can now be used to examine volcano-sedimentary sequences in the Canadian Cordillera which may represent displaced portions of the Kutcho Formation. Previous workers have noted lithological and stratigraphic similarities between the Kutcho Formation and the Sitlika Assemblage, in the Manson Lake map area (Monger et al., 1978; Thorstad and Gabrielse, 1986; Gabrielse, 1990b; J. Marr, pers. comm., 1994). If these correlations are valid, the Sitlika Assemblage, which is already known to host several base metal, volcanic-hosted sulphide occurrences has the potential to host Kutcho-equivalent VMS mineralization.

Sitlika Assemblage

Gabrielse (1990b) has suggested that the fault-bounded volcano-sedimentary Sitlika Assemblage, located on the east side of Takla Lake, between the Takla and Vital faults, may be a dextrally displaced portion of the Kutcho Formation. Stratigraphic sequences within the Sitlika Assemblage bear a strong similarity to those of the Kutcho Formation (J. Marr, pers. comm., 1994). The Sitlika Assemblage consists of mafic to felsic volcanic and intrusive rocks, as well as argillaceous to conglomeratic sediments and minor limestone (Patterson, 1974).

Members of the MDRU VMS project made a brief visit to the Sitlika Assemblage during the 1995 field season to collect samples for U-Pb geochronology, and isotopic and geochemical analysis. Samples were also collected from the Eureka and Crystal showings on Mt. Bodine, and the newly discovered Vent showing.

U-Pb Geochronology

A sample of finely quartz + plagioclase porphyritic rhyolite from Mt. Bodine, in the vicinity of the Crystal showing was collected for U-Pb zircon geochronology. The sample contained a small quantity of small prismatic zircon with few inclusions and good clarity. Analysis of four fractions yielded $^{207}Pb/^{206}Pb$ ages of 251 to 259 Ma. A preliminary Late Permian age of 258 +10/-1 Ma, based on the $^{206}Pb/^{238}U$ age and $^{206}Pb/^{238}U$ and $^{207}Pb/^{206}Pb$ errors of concordant fraction A was calculated as the age of this rock. Similar to zircon from rocks of the Kutcho Formation, zircon from this rhyolite was characterized by extremely low U concentrations (Table 1).

Nd Isotopes

The Nd isotopic signature of the rhyolite from Mt. Bodine dated in the current study was determined for comparison with rocks of the Kutcho Formation. This rock had an initial $\varepsilon_{Nd}$ value of +8.2, which is identical within error to values for rocks of the Kutcho Formation (Table 2, Fig. 6).

Pb Isotopes

Pyrite from the Crystal, Eureka and Vent showings, and from interstices of pillow lavas, as well as a galena vein from the Sitlika Assemblage were analyzed for their lead isotopic compositions. All sulphides analyzed from the Sitlika Assemblage were more radiogenic than sulphides from the Kutcho Creek deposit (Fig. 5). Those from the Eureka and Crystal showings, and galena vein were similar and plotted in or near the cluster defined for Jurassic mineralization and magmatism in the Stikine terrane.

Rare Earth Elements

REE concentrations of the Mt. Bodine rhyolite dated in the current study were determined for comparison with rocks of the Kutcho Formation. The REE pattern of this rock was indistinguishable from those determined for felsic rocks of the Kutcho Formation (Fig. 7).

Discussion

The ages determined in the current study for felsic volcanic rocks from the footwall and hangingwall of the Kutcho Creek deposit indicate that mineralization formed during the Earliest Triassic, between 246 +/-7 Ma and 242 +/-1 Ma. This is an uncommon age for felsic volcanism within the accreted terranes of the Canadian Cordillera and represents a new age for VMS mineralization in this region. Neodymium and rare earth element signatures of felsic volcanic and intrusive rocks of the Kutcho Formation indicate derivation from a primitive magmatic source; the lead isotopic signature of mineralization suggests a primitive source of metals to the deposit. Gabbroic sills which occur in the hangingwall to mineralization are characterized by more evolved REE patterns, but initial $\varepsilon_{Nd}$ values comparable to those of felsic rocks of the Kutcho Formation.

A Late Permian age of 258 +10/-1 Ma for rhyolite from Mt. Bodine is slightly older than ages for felsic rocks from the Kutcho Formation, but still falls near the Permo-Triassic boundary which is characterized by a regional unconformity in terranes of island-arc affinity in the Canadian Cordillera (Gabrielse and Yorath, 1991). The age of a recently dated multi-phase felsic intrusive body of average

tonalitic composition from the Sitlika Assemblage is identical within error to ages determined for rocks of the Kutcho Formation (P. Schiarizza, pers. comm., 1996). Primitive REE and Nd isotopic signatures for rhyolite from Mt. Bodine are indistinguishable from those of the Kutcho Formation. These data strongly suggest that the Sitlika Assemblage formed in the same tectonic environment, and over the same time period, as rocks of the Kutcho Formation.

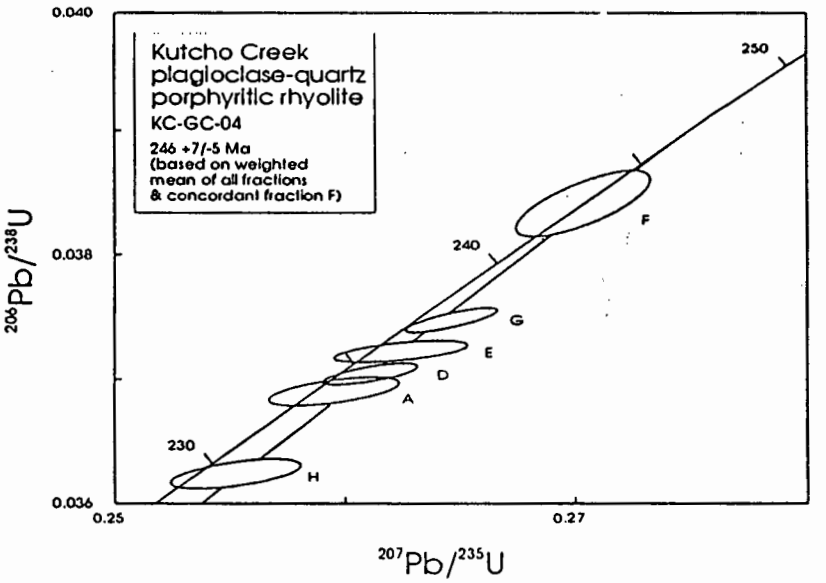



Figure 4. U-Pb concordia diagram for sample KC-GC-04 (Kutcho Creek footwall plagioclase+/-quartz porphyritic rhyolite).

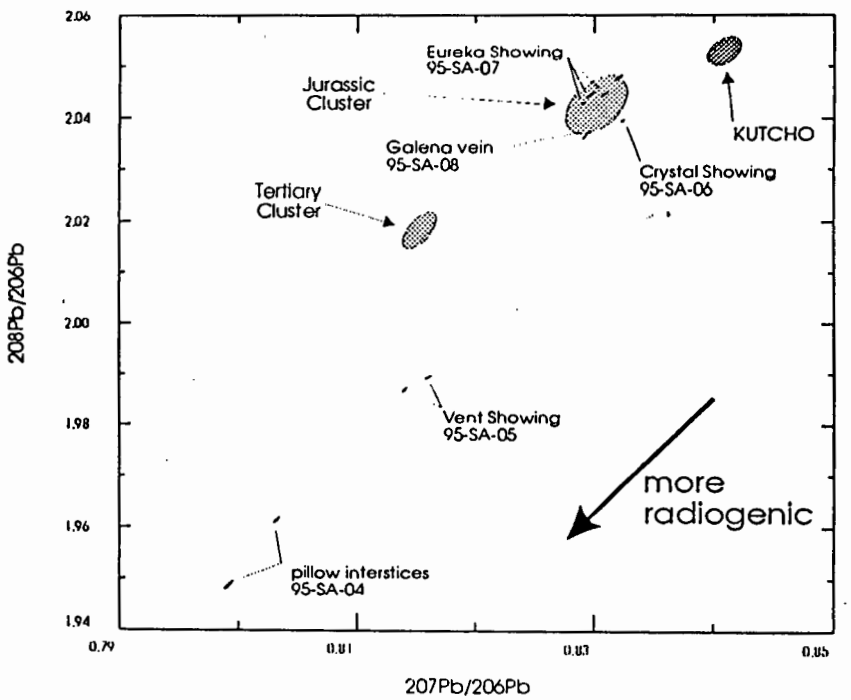



Figure 5. 207Pb/206Pb diagram for sulphides from the Kutcho Creek deposit and the Sitlika Assemblage. Small black ellipses represent 2 sigma error ellipses for individual sulphide analyses. Large grey ellipses represent data fields based on numerous analyses. Jurassic and Tertiary clusters from Alldrick (1991) and UBC Geochronology Lab (unpublished data).

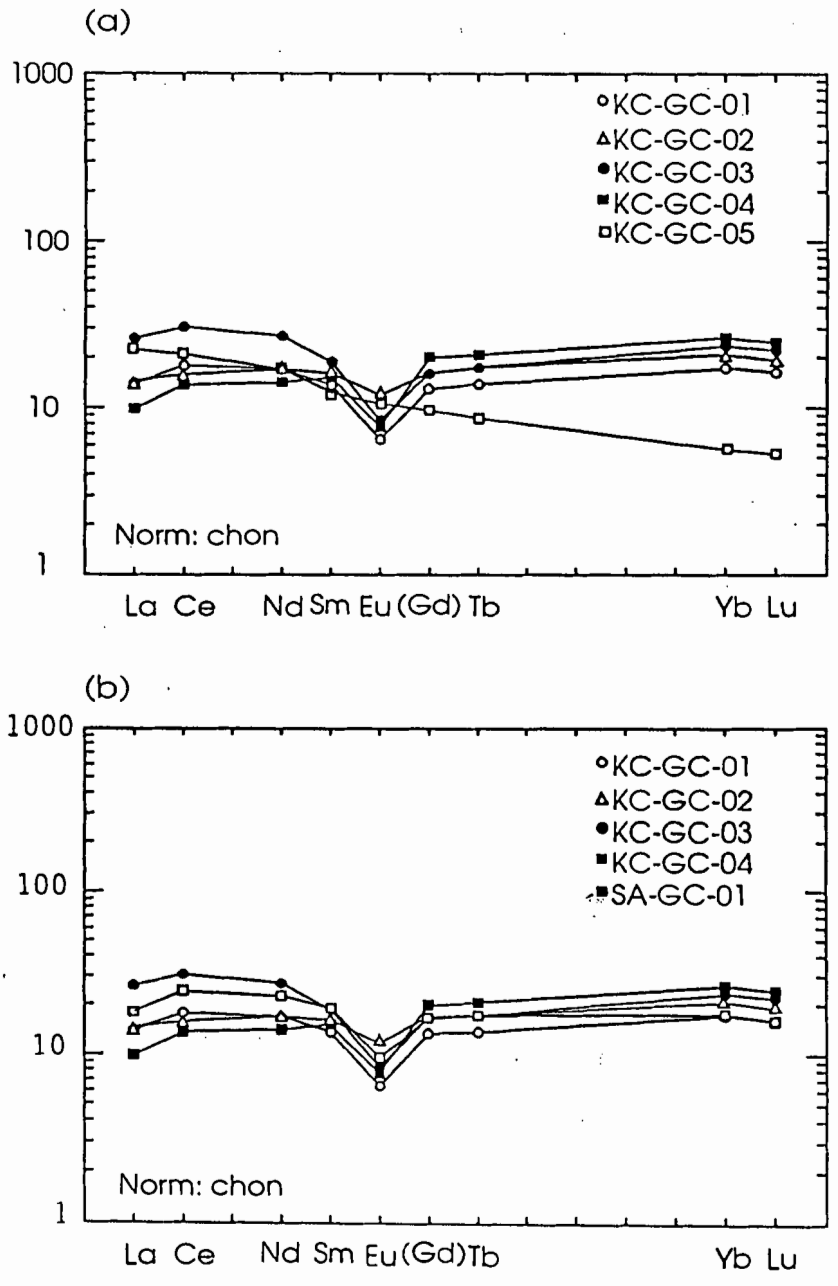



Figure 7. Chondorite normalized REE plots for (a) Kutcho Formation felsic volcanic and intrusive rocks (KC-GC-01 to -04), and gabbro sill (KC-GC-05), (b) Kutcho Formation felsic volcanic and intrusive rocks and Sitlika Assemblage rhyolite (SA-GC-01).

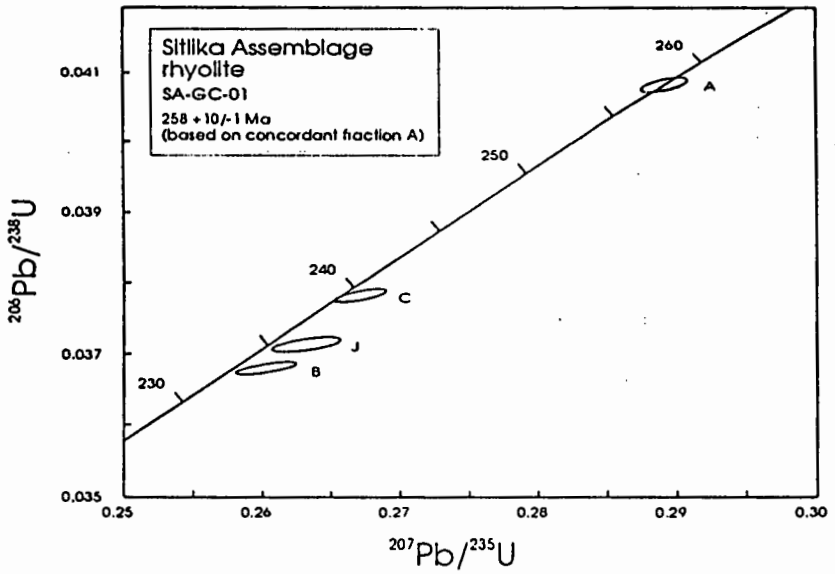
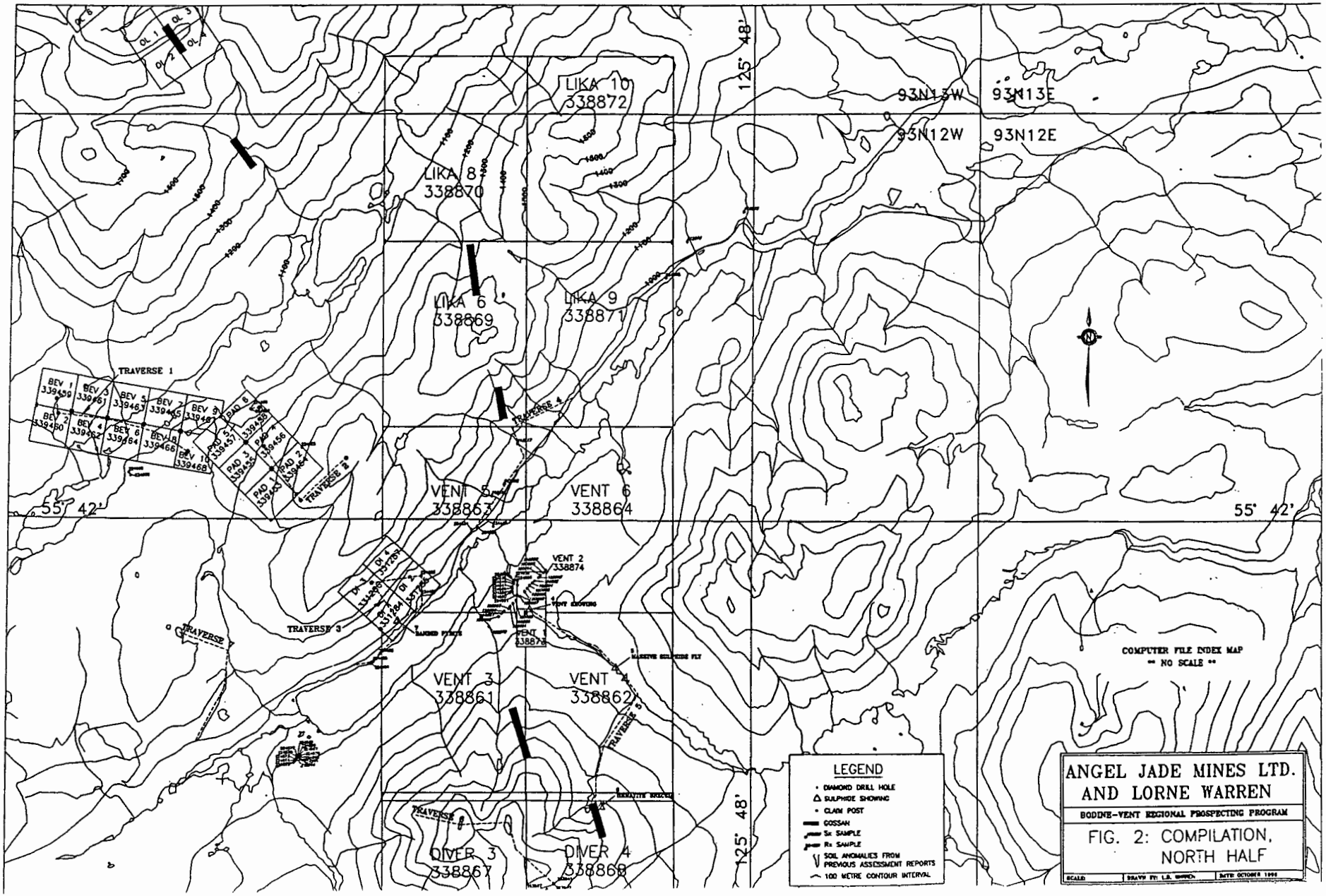



Figure 9. U-Pb concordia diagram for sample SA-GC-01 (Sitlika Assemblage rhyolite, Mt. Bodine area).

# APPENDIX 3
# INDEX MAPS FOR COMPUTER DISKS


ANGEL JADE MINES LTD.
AND LORNE WARREN
COMPILATION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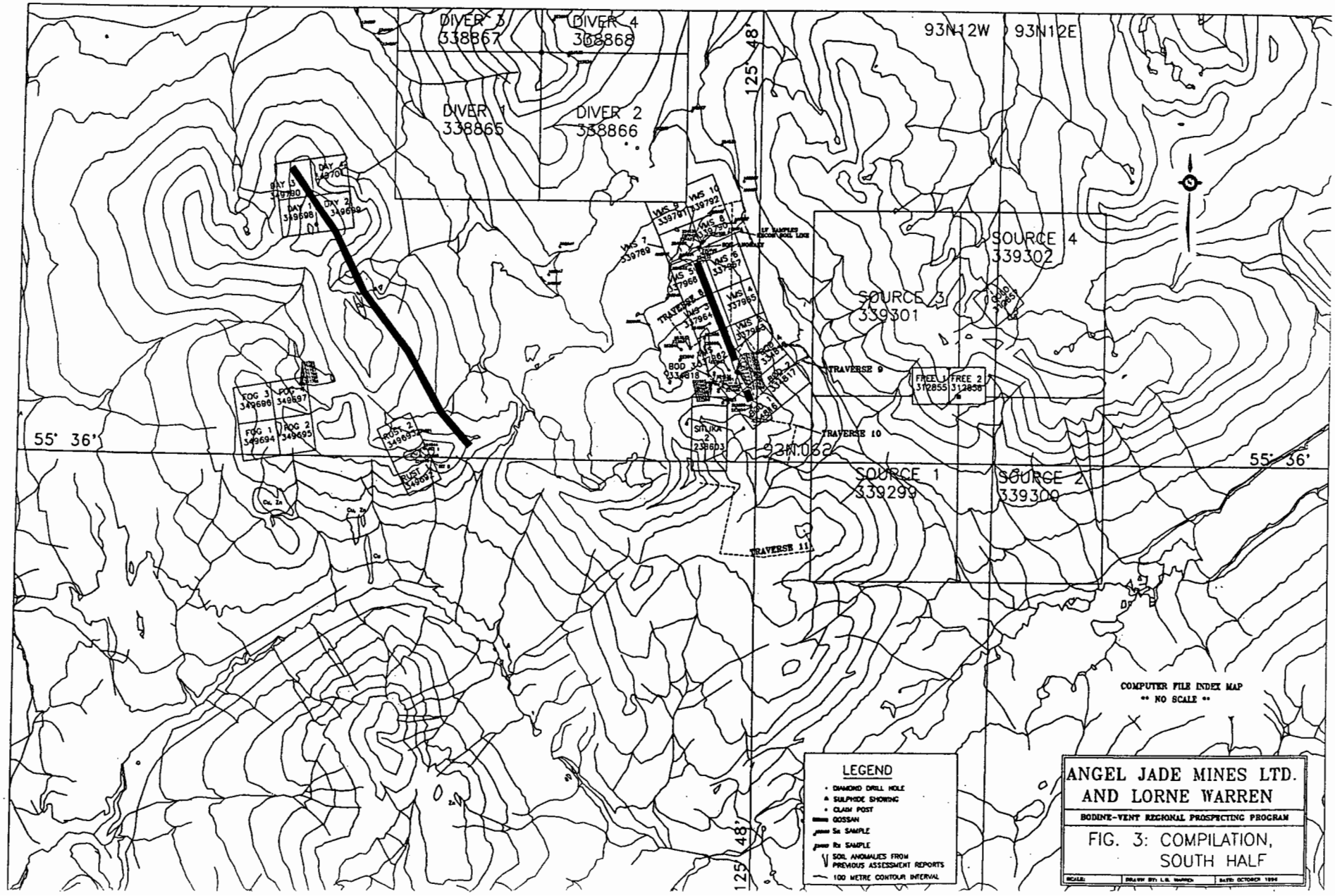
LIKA 8
338870
LIKA 6
338869
LIKA 9
338871
VENT 5
338863
VENT 6
338864
VENT 3
338861
VENT 4
338862
DIVER 3
338867
DIVER 4
338868
VENT 2
338874
VENT 1
338873
93N13W
93N13E
93N12W
93N12E
125° 48'
55° 42'
TRAVERSE 1
TRAVERSE 2
TRAVERSE 3
TRAVERSE 4
TRAVERSE 5
TRAVERSE
COMPUTER FILE INDEX MAP
** NO SCALE **
LEGEND
DIAMOND DRILL HOLE
SULPHIDE SHOWING
CLAIM POST
GOSSAN
Sx SAMPLE
Rx SAMPLE
SOIL ANOMALIES FROM PREVIOUS ASSESSMENT REPORTS
100 METRE CONTOUR INTERVAL
ANGEL JADE MINES LTD.
AND LORNE WARREN
BODINE-VENT REGIONAL PROSPECTING PROGRAM
FIG. 2: COMPILATION, NORTH HALF
SCALE
DRAWN BY: L.B. WARREN
DATE OCTOBER 1996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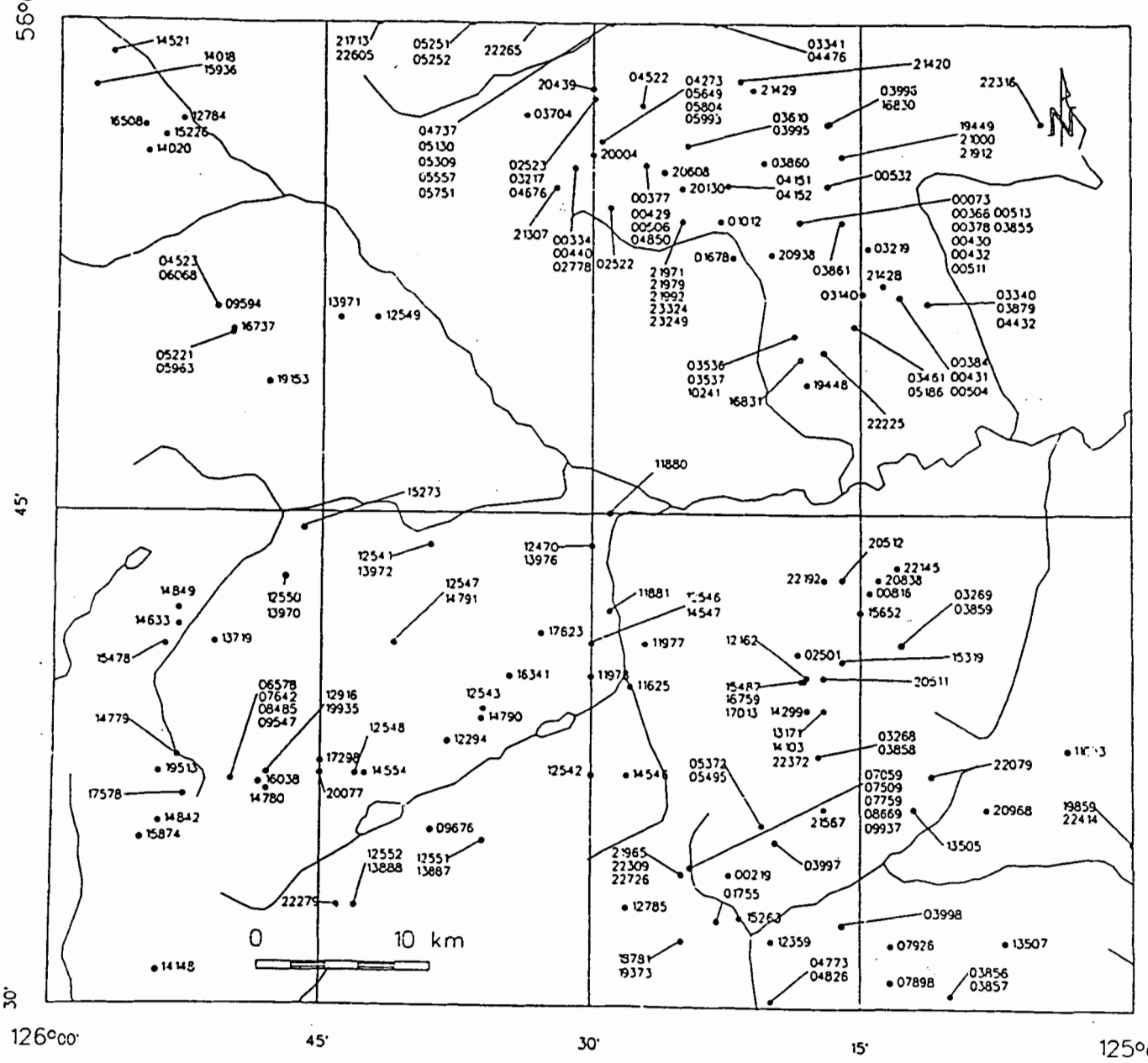
338867
DIVER 4
338868
DIVER 1
338865
DIVER 2
338866
93N12W
93N12E
125° 48'
SOURCE 4
339302
SOURCE 3
339301
SOURCE 1
339299
SOURCE 2
339300
93N/02
55° 36'
TRAVERSE 9
TRAVERSE 10
TRAVERSE 11
FREE 1
312855
FREE 2
312856
COMPUTER FILE INDEX MAP
** NO SCALE **
LEGEND
DIAMOND DRILL HOLE
SULPHIDE SHORING
CLAIM POST
GOSSAN
Sn SAMPLE
Rs SAMPLE
SOIL ANOMALIES FROM PREVIOUS ASSESSMENT REPORTS
100 METRE CONTOUR INTERVAL
ANGEL JADE MINES LTD.
AND LORNE WARREN
BODINE-VENT REGIONAL PROSPECTING PROGRAM
FIG. 3: COMPILATION, SOUTH HALF
SCALE:
DRAWN BY: L.R. WARREN
DATED: OCTOBER 1994




BC Ministry of Energy, Mines and Petroleum Resources

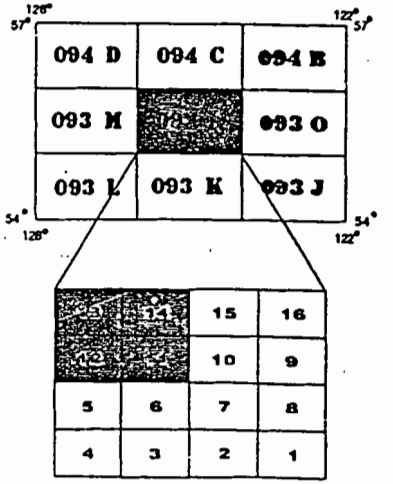
Geological Survey Branch

# ASSESSMENT REPORT INDEX MAP

# NTS 093N NW*

## MANSON RIVER

Date Revised: DECEMBER, 1994




1:50 000 NTS INDEX

*Base Map NAD 83; Data NAD 27; Possible Error <250m
Projection - Transverse Mercator
For Further Information contact:
Assessment Report Unit at (604) 952-0382

LIKA 10
338872

LIKA 8
338870

LIKA 6
338869

LIKA 9
338871

93N13W 93N13E

93N12W 93N12E

125° 48'

55° 42'

TRAVERSE 1

TRAVERSE 2

TRAVERSE 3

TRAVERSE 4

TRAVERSE 5

TRAVERSE 6

BEV 1 339459
BEV 2 339460
BEV 3 339461
BEV 4 339462
BEV 5 339463
BEV 6 339464
BEV 7 339465
BEV 8 339466
BEV 9 339467
BEV 10 339468

PAD 1 339453
PAD 2 339454
PAD 3 339455
PAD 4 339456
PAD 5 339457
PAD 6 339458

DI 1 331285
DI 2 331284
DI 3 331286
DI 4 331287

VENT 1 338873
VENT 2 338874
VENT 3 338861
VENT 4 338862
VENT 5 338863
VENT 6 338864
DIVER 3 338867
DIVER 4 338868

OL 1
OL 2
OL 3
OL 4
OL 6

7 BANDED PYRITE

5 MASSIVE SULPHIDE FLT

6 HEMATITE BRECCIA

VENT SHOWING

LEGEND

- DIAMOND DRILL HOLE
- SULPHIDE SHOWING
- CLAIM POST
- GOSSAN
- 190856 Sx SAMPLE
- 224833 Rx SAMPLE
- SOIL ANOMALIES FROM PREVIOUS ASSESSMENT REPORTS
- 100 METRE CONTOUR INTERVAL

0 500 1000 1500 2000
SCALE (metres)

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,658

# ANGEL JADE MINES LTD. AND LORNE WARREN

BODINE-VENT REGIONAL PROSPECTING PROGRAM

## FIG. 2: COMPILATION, NORTH HALF

| SCALE: 1:20000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996 |
|---|---|---|

PRINTED BY: A.D.W. ENGINEERING

DIVER 3
338867

DIVER 4
338868

DIVER 1
338865

DIVER 2
338866

93N12W

93N12E

125° 48'

55° 36'

DAY 3
349700

DAY 4
349701

DAY 1
349698

DAY 2
349699

DDH MB 89-1

VMS 9
339791

VMS 10
339792

VMS 7
339789

VMS 8
339790

VMS 6
337967

VMS 5
337966

VMS 4
337965

VMS 3
337964

VMS 2
337963

VMS 1
337962

LV SAMPLES
RECON SOIL LINE

SOIL ANOMALY

TRAVERSE 8

DDH MB 89-2

BOD 4
334818

BOD 3
334818

BOD 2
334817

BOD 1
334816

TRAVERSE 9

TRAVERSE 10

SITLIKA
2
238603

93N062

SOURCE 4
339302

SOURCE 3
339301

SOURCE 1
339299

SOURCE 2
339300

GDLD
312854

FREE 1
312855

FREE 2
312856

FOG 3
349696

FOG 4
349697

FOG 1
349694

FOG 2
349695

RUST 2
349693

RUST 1
349692

TRAVERSE 11

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,658

0 500 1000 1500 2000
SCALE (metres)

## LEGEND

- DIAMOND DRILL HOLE
- SULPHIDE SHOWING
- CLAIM POST
- GOSSAN
- 190950 5x SAMPLE
- 224017 Rx SAMPLE
- SOIL ANOMALIES FROM PREVIOUS ASSESSMENT REPORTS
- 100 METRE CONTOUR INTERVAL

# ANGEL JADE MINES LTD. AND LORNE WARREN

BODINE–VENT REGIONAL PROSPECTING PROGRAM

## FIG. 3: COMPILATION, SOUTH HALF

SCALE: 1:20000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996

PRINTED BY: A.D.W. ENGINEERING

55° 54'
126° 00'
125° 48'
125° 36'
55° 48'
55° 42'
55° 36'
55° 30'
93N/6
93N/5W
93N/5E
93N/12W
93N/12E
93N/6E
LIKA 1
338872
LIKA 8
338870
LIKA 6
338869
LIKA 9
338871
VENT 2
338863
VENT 6
338864
VENT 7
338873
VENT 5
338874
VENT 3
338861
VENT 4
338862
DIVER 3
338867
DIVER 4
338868
DIVER 1
338865
DIVER 2
338866
SOURCE 4
339302
SOURCE 3
339301
SOURCE 1
339299
SOURCE 2
339300
N

# ANGEL JADE MINES LTD. AND LORNE WARREN

BODINE - VENT REGIONAL PROSPECTING PROGRAM

## FIG. 1: INDEX MAP

SCALE: 1:50000 | DRAWN BY: L.B. WARREN | DATE: OCTOBER 1996

LEGEND

- DIAMOND DRILL HOLE
- SULPHIDE SHOWING
- CLAIM POST
- GOSSAN
- SOIL ANOMOLIES FROM PREVIOUS ASSESSMENT REPORTS

0 1000' 2000' 3000' 4000'
SCALE: (metres)

PRINTED BY ADW ENGINEERING