**Regional Geologist, Smithers** **Date Approved:** 1999.05.21 **Off Confidential:** 1999.11.13

**ASSESSMENT REPORT: 25868** **Mining Division(s):** Skeena

**Property Name:** Coulter

**Location:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NAD 27 | Latitude: 56 35 00 | Longitude: 130 30 00 | UTM: | 09 | 6271800 | 407863 |
| NAD 83 | Latitude: 56 34 59 | Longitude: 130 30 07 | UTM: | 09 | 6271985 | 407746 |
| NTS: | 104B09W | | | | | |

**Camp:** 051 Toodoggone Camp

**Claim(s):** Coulter 1

**Operator(s):** Homestake Canada Inc.
**Author(s):** Javorsky, David

**Report Year:** 1998

**No. of Pages:** 26 Pages

**Commodities Searched For:** Gold, Silver, Lead, Copper, Zinc

**General Work Categories:** PROS

**Work Done:** Prospecting
PROS Prospecting (375.01ha;)

**Keywords:** Dacites, Hazelton Group, Jurassic, Mudstones, Rhyolites

**Statement Nos.:** 3127393

**MINFILE Nos.:**

**Related Reports:** 23226

# 1998 Prospecting Report on the Coulter 1 Mineral Claim Northwestern British Columbia, Canada

Located at 56° 35' North Latitude
And 130° 30' West Longitude
On Mineral Claim Maps 104B/9W and 104B/10E
In the Skeena Mining Division

Prepared on behalf of
Prime Resources Group Inc.
Suite 1100, 1055 West Georgia Street
P.O. Box 11115
Vancouver, British Columbia, Canada
V6E 3P3

Prepared by:

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Prospector, FMC #113058
P.O. Box 806
Stewart, British Columbia
Canada, V6B 4W3

Dated November 16, 1998

## SUMMARY

The Coulter 1 mineral claim is situated 8 kilometres southwest of the Eskay Creek Mine in Northwestern British Columbia. The claim was staked for Prime Resources Group Inc. by contract staker Bruce Hobson on February 2, 1998.

During the 1998 summer field season, a prospecting program was done on the Coulter 1 mineral claim. The program included stream sediment sampling, rock sampling, a Self-Potential survey, and general rock pounding/prospecting, supplemented with hand trenching. A grid was also established on the claims.

Nineteen (14) stream sediment samples were collected with two samples, S-21 and S-29, returning values of 112 Au ppb and 212 Au ppb respectively.

Eleven (11) rock samples were collected as well as with all samples sent in for assay showing sulfide mineralization. Approximately 18 cubic metres of rock and overburden were hand-trenched in order to obtain the best samples possible. No significant precious or base metal values were returned from samples.

## TABLE OF CONTENTS



## LIST OF FIGURES



## LIST OF TABLES



## LIST OF APPENDICES

## 1.0 INTRODUCTION

This report constitutes a summary of a prospecting program that was carried out on the Coulter 1 Mineral Claim by the author during the 1998 field season.

This report is being prepared for assessment purposes and covers the amount of $9,016.50 in exploration expenditures.

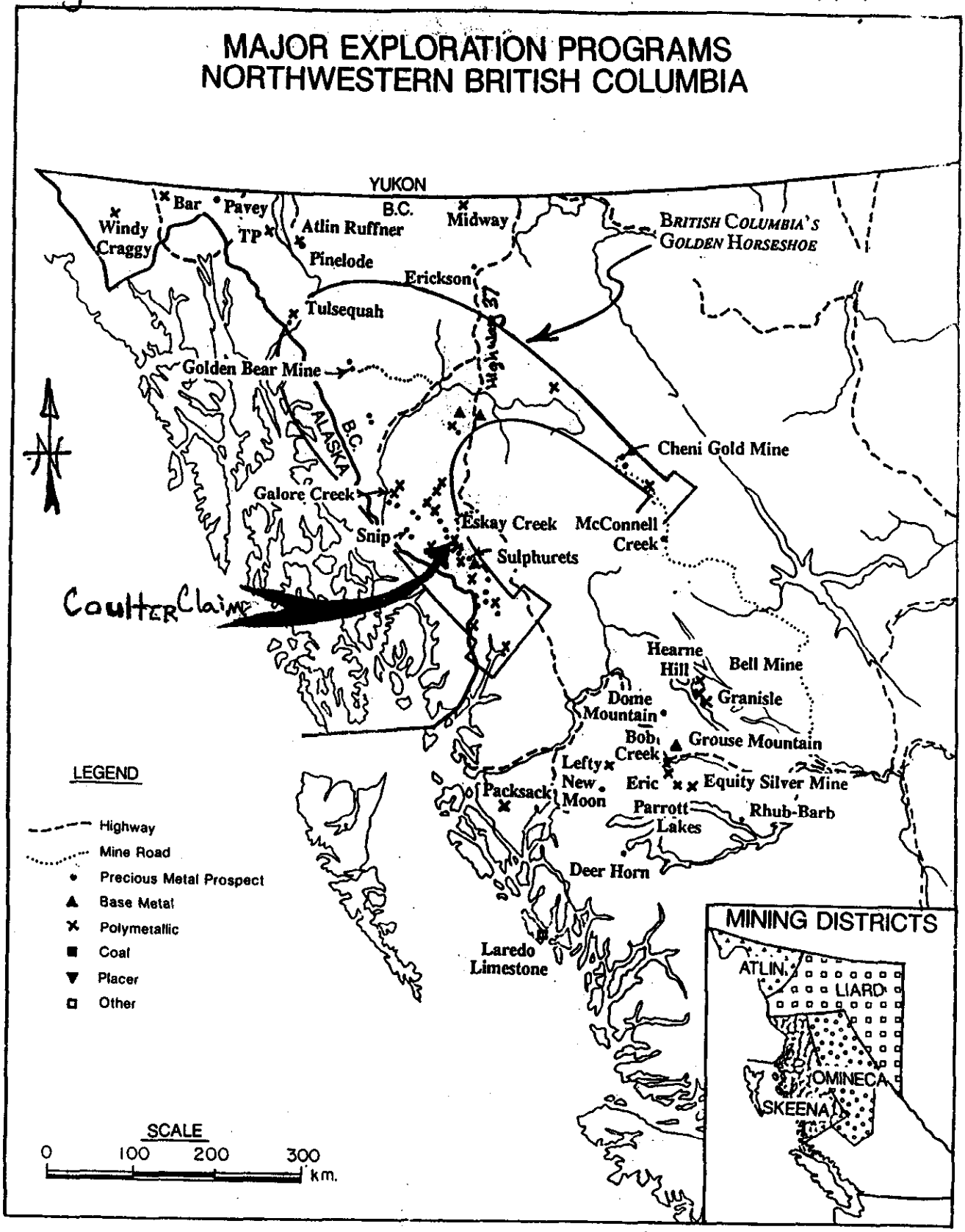
## 2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Coulter Property consists of one mineral claim and is located on Crown Land within the Skeena Mining Division of British Columbia (Figure 1). The center of the Coulter 1 mineral claim is located at 56° 35' north latitude and 130° 30' west longitude and extends onto both mineral maps 104B/10E and 104B/9W.

Access to the property from the Cassiar Highway (B.C. Highway #37) is by means of the main Eskay Creek Mine road to the exploration camp at Km 45 and then by helicopter to the property.

The area is covered by a mature spruce forest with heavy ground cover and is mountainous with ridges of volcanics and sediments running approximately north to south. Travelling along stratigraphy can be as easy as a stroll in the park while travelling east to west can be difficult to hazardous.

Figure 1 Location Map

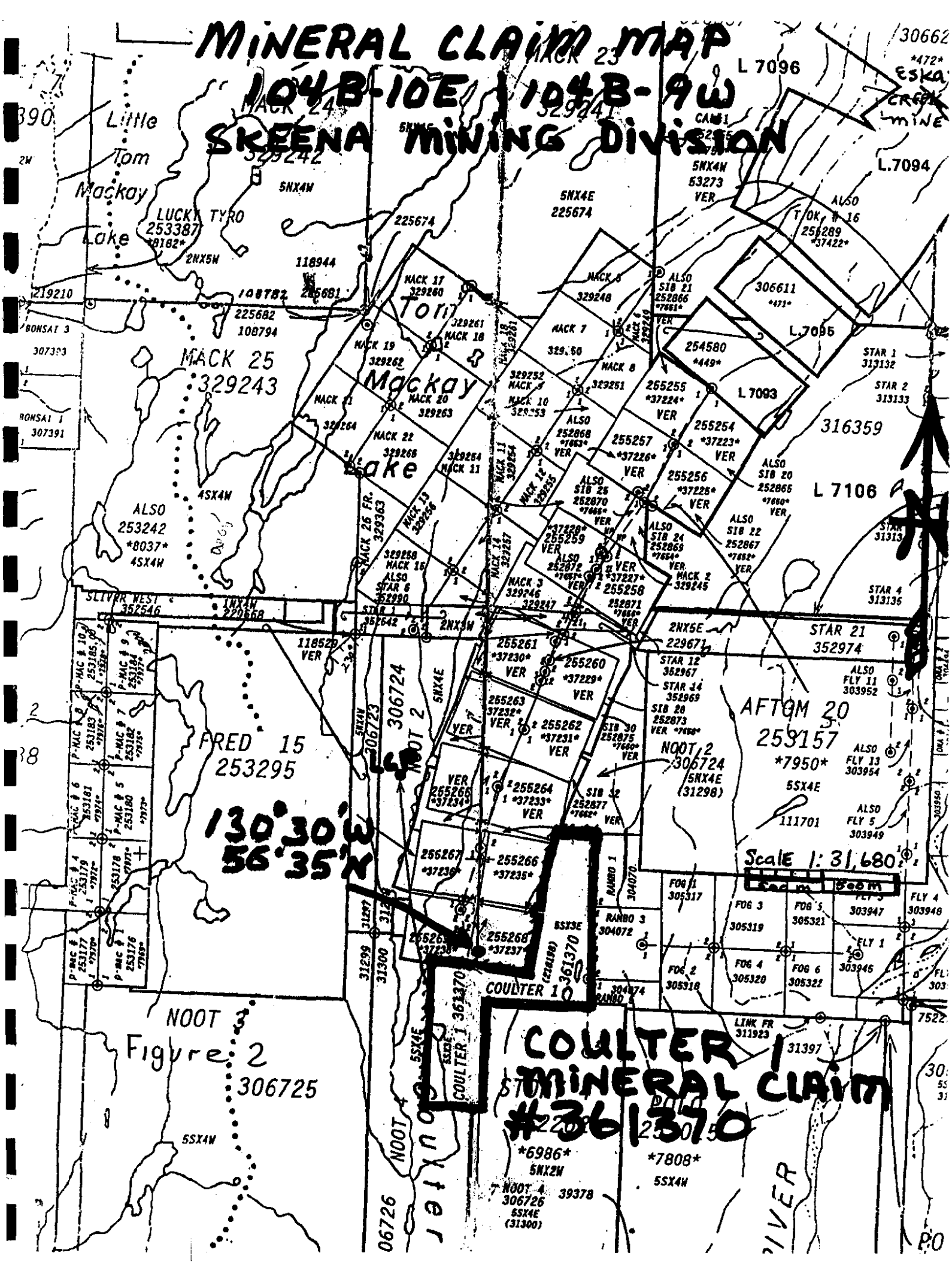


## 3.0 CLAIM STATUS

The Coulter 1 Mineral Claim is located in the Skeena Mining Division of British Columbia (Figure 2 and Table 1). The claim was staked for Prime Resources Group Inc. by contract staker Bruce Hobson on February 2, 1998. A portion of the Coulter 1 mineral claim covers the old Dup 7 and Dup 8 claims that were cancelled pursuant to a Section 50 complaint. Another portion of Coulter 1 replaces the old Sun 6, Rambo 2, Rambo 4, and Rambo 6 claims which were cancelled pursuant to a Section 35 complaint.

Table 1: Claim Status.

| Record Number | Claim Name | Units | Record Date | Expiry Date |
|---|---|---|---|---|
| 361370 | Coulter 1 | 15 | 1998/02/07 | 1999/02/07 |
| **Total** | **1** | **15** | | |


MINERAL CLAIM MAP
104B-10E / 104B-9W
SKEENA MINING DIVISION
Little Tom Mackay Lake
LUCKY TYRO 253387 *8182*
MACK 25 329243
Tom Mackay Lake
ALSO 253242 *8037* 4SX4W
SILVER WEST 352546
FRED 15 253295
130°30'W
56°35'N
NOOT 3
Figure 2
306725
NOOT 2 306724
COULTER 1 361370
COULTER 1 MINERAL CLAIM #361370
AFTOM 20 253157 *7950*
STAR 21 352974
L 7096
L.7094
L 7095
L 7093
L 7106
316359
306611
254580
Scale 1: 31,680

## 4.0 HISTORY

The Eskay Creek area has been the focus of many exploration programs dating back to 1932. Early prospectors seeking precious metals in the Iskut River Region were attracted by the line of gossanous bluffs extending for more than 7 kilometres beside Eskay and Coulter Creeks. Initial work focussed in the immediate vicinity of the bluffs and resulted in the discovery of 30 zones of surface mineralization. Exploration then continued sporadically over the next 57 years with the involvement of 19 different companies before the discovery of the main 21B orebody at the Eskay Creek.

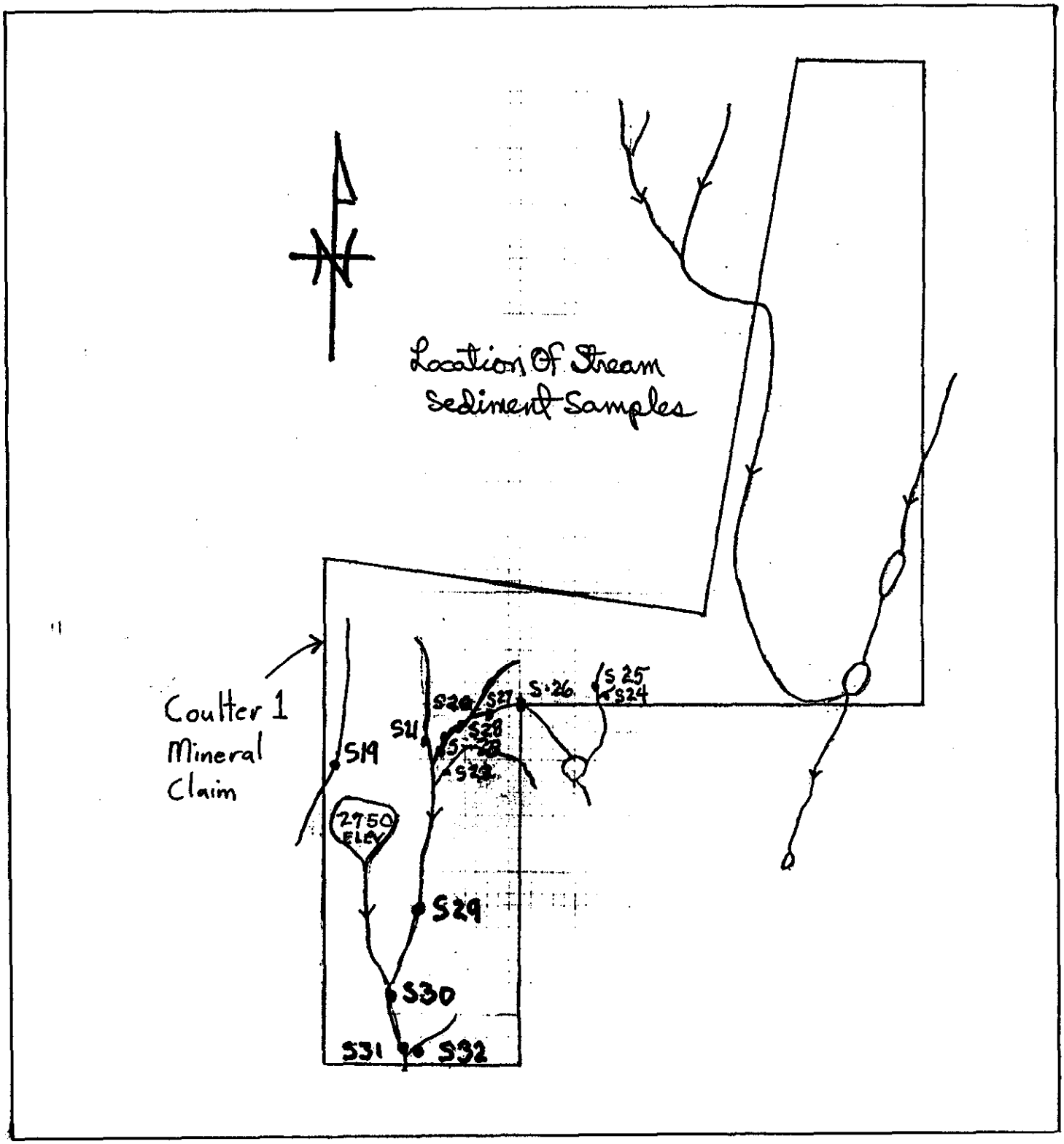
In January 1995, Homestake Canada Inc./Prime Resources Group Inc. commenced production from the Eskay Creek Mine with a proven and probable mining reserve of 1.08 million tonnes grading 65.5 grams of gold per tonne and 2,930 grams of silver per tonne. The mine currently operates in the 300 to 500 tonne per day range with about half of the ore being milled on site and the other half directly shipped to smelters in Japan and Noranda, Quebec.

## 5.0 STREAM SEDIMENT SAMPLING

A total of 14 stream silt samples were taken from the active area of stream beds on the Coulter 1 Mineral Claim (Figure 3). The procedures used were those outlined in "Introduction to Prospecting", B.C. Dept. of Geological Survey, Paper 1986-4, by E.L. Faulkner. The dried samples were screened to minus 80 mesh and fine material was assayed by the ICP method.

Samples S-21 and S-29, taken along the same tributary, returned values of 112 Au ppb and 212 Au ppb respectively with all other samples returning less than 10 Au ppb.

**Figure 3: Location of Stream Sediment Samples**




Note – The stream silt samples were taken from the active area of the stream bed. The procedure outlined in "Introduction to Prospecting", B.C. Dept. of Geological Survey, Paper 1986-4, by E.L. Faulkner, were followed. The dried samples were screened to minus 80 mesh and fine material was assayed by the I.C.P. method.

## 6.0 GEOPHYSICAL PROSPECTING

A Self-Potential survey was used to try and define mineralization during the 1998 field program (Figure 4).

The Spontaneous Polarization or Self-Potential method depends on the fact that small voltages exist between any two points on the earth's surface. Anomalous voltages are often found where sulfide mineralization is oxidizing. Anomalous voltages are also caused by rocks containing graphite and by certain underwater conditions. Most explanations of the S.P. phenomenon propose that a wet sulfide (or graphite) body develops negative and positive electrical potentials at its top and bottom. When in contact with groundwater electrolytes, these oxidizing sulfides (or graphite) induce a spontaneous D.C. flow of current that can be measured.

A Micronta, high impedance, L.C.D., auto-ranging, polarity reversing, digital, direct current voltmeter capable of measuring one millivolt was used during the course of the survey on the Coulter 1 claim.

The author was trained in the Schlumberger method of electrical S.P. prospecting by Mr. Sherwin Kelly and followed those procedures outlined in "A Guide to Prospecting by the Self Potential Method", by S.V. Burr, 1982, Ontario Geological Survey, Miscellaneous Paper #99 (MP 99).

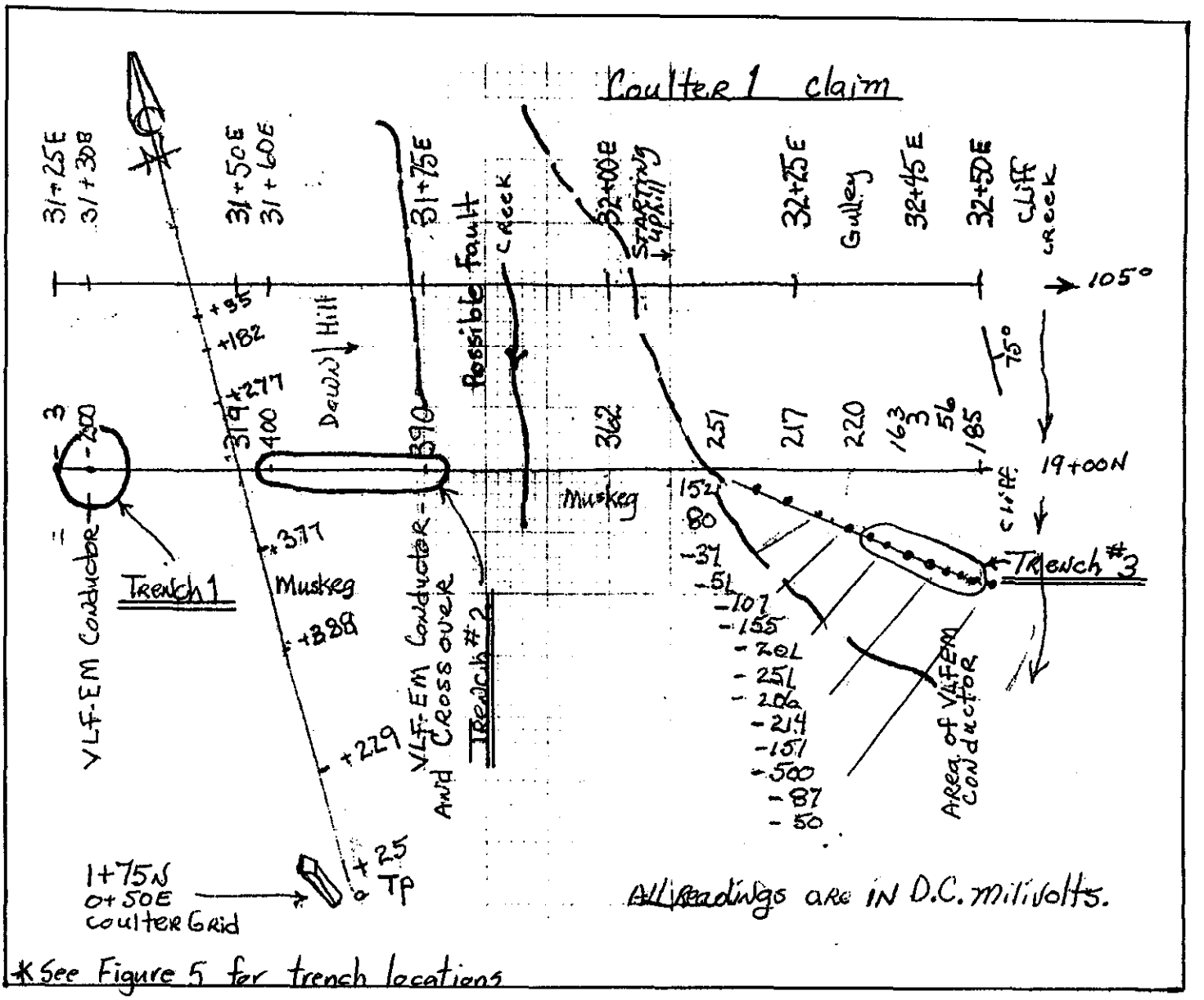
For the S.P. survey, a grid was established and the old geophysical VLF-EM crossovers identified during a survey on Noot claim in 1983 were found (see Assessment Report #23226).

At 31+30E/19+00N at a the site of an old VLF-EM conductor, the S.P. survey showed a reading of minus 200 millivolts. Trenching through eight feet of mud and muskeg exposed mineralized volcaniclastic material. Samples 32875 and 32876 are from this pit. Also, small veinlets of barite were observed with the mineralization.

At 31+60E to 31+75E, there was an S.P. high of positive 400 millivolts. This corresponded with another VLF-EM conductor along with a VLF-EM crossover. The topography could have also influenced this anomaly as it was steep, however trenching into the hillside did produce mineralized sediments. It is possible that a major fault passes along the bottom of the hill at this point. Samples 32873 and 32874 came from this trench.

At 32+45E on line 19+00N, there was an anomalous low reading on the S.P. This was also the area of a VLF-EM conductor. Prospecting around with the S.P. unit produced a very anomalous zone at 32+40E and 18+90N. This area was trenched across eight metres and produced graphitic horizons and bands of sulfides in the steeply dipping sediments. Samples 32869, 70, 71, and 72 were taken from this trench. The sediments appear to strike a few degrees to the west of due north-south and they dip 75° to the east. The survey was done at 0.2 m intervals and produced anomalous spreadings from minus 100 to minus 500 millivolts, which is typical of pyritic shales that have some graphitic in them.

**Figure 4: 1998 Self-Potential Survey**




Note - The three VLF-EM conductors match the Self-Potential anomalies. The position of the tail pot was chosen because it was at the average elevation and had a neutral reading. Good contact with the earth was made and was checked by placing the front pot a metre from the tail pot. The reading was +2.5 mv. When the position of the front pot and tail pot was switched, the reading was –2.5 mv. All readings were stable; August 26, 1998 D.J.

## 7.0 PROSPECTING

Traditional "boots and hammer prospecting" (walking and breaking rocks) becomes a problem with ground like the Coulter 1 claim where there is less than 5% outcrop exposure. Stream silt sampling has proven to be a good method of locating an area for follow-up work. Also, the S.P. survey has the abitlity to sense through pockets of glacial mud, tree roots, moss, muskeg, and overburden.

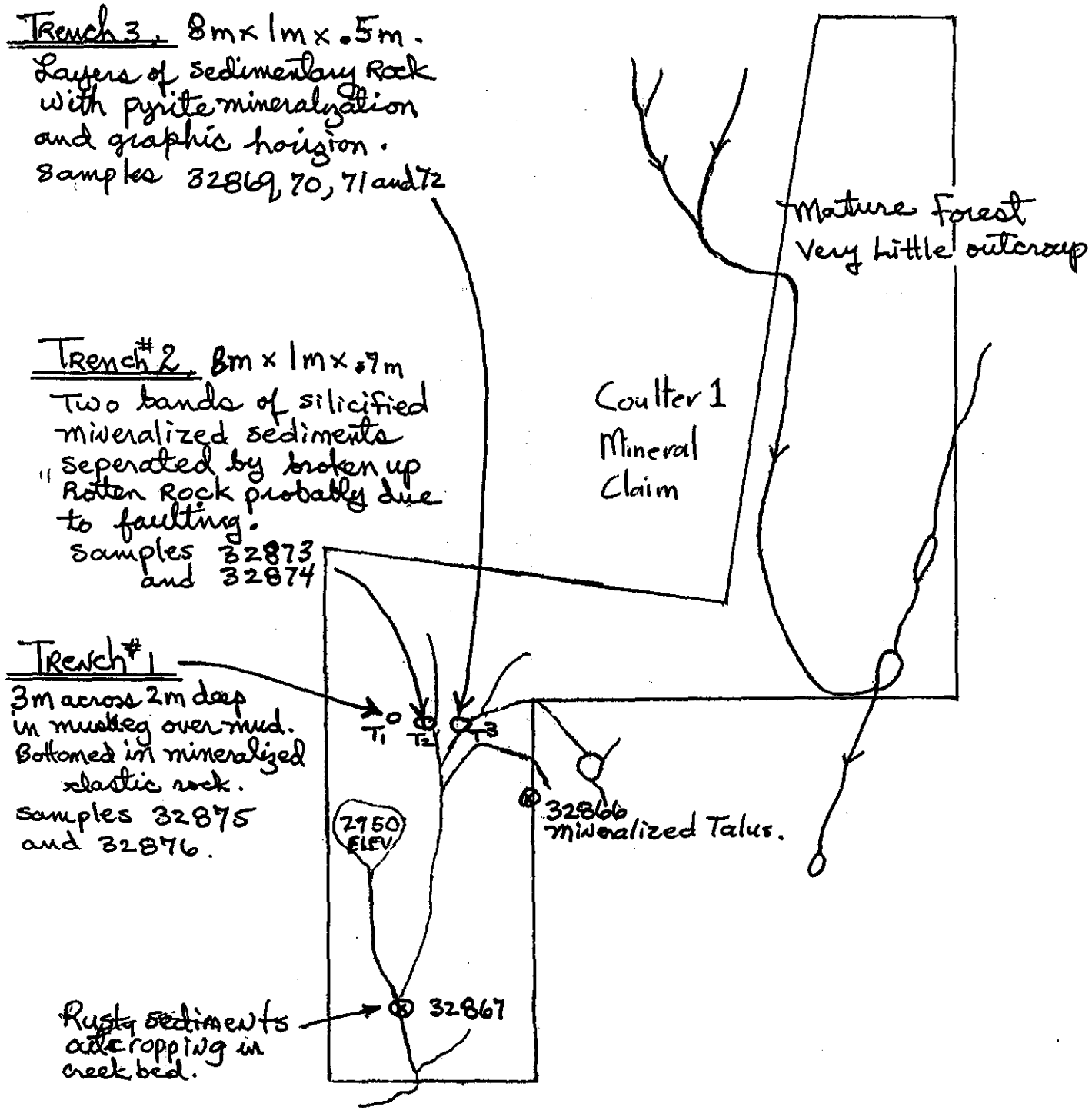
In 1993, while the ground was held by others, a VLF-EM survey was run using an EDA Omni Plus combined VLF-EM and magnetometer. Part of that survey extended onto ground now covered by the Coulter 1 claim. Line 19+00N, now covered by Coulter 1, showed a conductor and a crossover at 31+75E. The topography of the area showed that this could easily be a fault in the rock, most likely a splay off the main Coulter Creek fault. The S.P. measurements showed an S.P. high over the VLF-EM crossover which could be explained as water and graphite in a fault.

Two other VLF-EM conductors produced S.P. measurements that were anomalously low. When trenched, both showed disseminations and veinlets of pyrite. At 31+30E, there were also veinlets of barite with the pyrite and at 31+45E, there was graphite with the pyrite.

Following up the VLF-EM survey with an S.P. survey proved to be a helpful method for making sense out of the VLF-EM readings.

Hand-trenching was the only method of obtaining good rock samples (Figure 5). A total of 11 rock samples were collected but no significant results were returned.

**Figure 5: Rock Sample Location Map**



## 8.0 CONCLUSIONS AND RECOMMENDATIONS

1) There is a sediment-rhyolite contact horizon on the ground that appears to be similar to the sediment-rhyolite contact that hosts the Eskay Creek Mine to the north.

2) Both stream sediment sampling and the S.P. method of geophysical prospecting worked well to locate mineralization in this area.

3) A major fault crosses the Coulter 1 mineral claim from north to south and displays a VLF-EM conductor/ crossover along with a self-potential high and two anomalous stream sediment silt samples. This stream be followed up on with sampling at close intervals, especially in the area of silt samples 21 and 29.

4) The property is covered by a mature spruce forest with less than 5% rock exposure and is relatively un-explored. The ground should be maintained in good standing

David Javorsky
November 16, 1998

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## 10.0 CERTIFICATE OF QUALIFICATIONS

I, David Javorsky state as follows:

That I personally did the prospecting work presented in this report during August of 1998.

That I hold valid Free Miner's Certificate #113058.

That I have worked as a Prospector, Miner, Mine Millwright or Mine Developer for the past 30 years.

That I am a graduate of the Advanced Prospecting School, sponsored by the British Columbia Ministry of Education and the B.C. Ministry of Energy, Mines and Petroleum Resources.

That I have completed the "Petrology and Alteration for Prospector's" course presented by the British Columbia Geological Survey Branch, Prospector's training program.

That I have received instruction in the field methods and interpretation of Self-Potential Surveying from Mr. Sherwin Kelly.

That I believe the contents of this report to be true and accurate.

Dated this November 16, 1998

David Javorsky

David Javorsky, Prospector

## APPENDIX A

## STATEMENT OF EXPENDITURES

## STATEMENT OF EXPENDITURES

| | |
|---|---|
| Prospecting | |
| 11.5 days @ $350 per day. | $4,025.00 |
| Mob/Demob | |
| 2.0 days @ $350 per day. | $700.00 |
| Room and Board | |
| 11.5 days at Camp 45 @ $50 per day. | $575.00 |
| Helicopter Charter | |
| 2.6 hours @ $761.50 per hour. | $1,979.90 |
| Assays | |
| 14 silt samples @ $14.40 per sample. | $201.60 |
| 11 rock samples @ $19.00 per sample. | $209.00 |
| Report Preparation | |
| 2 days @ $250 per day. | $500.00 |
| Geological Supervision | |
| 2 days @ $413 per day. | $826.00 |
| **Total Field Expenditures** | **$9,016.50** |

## APPENDIX B

## CERTIFICATES OF ANALYSIS

# CERTIFICATE OF ANALYSIS
## iPL 98I0916


2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7899


Client : Homestake Canada Inc
Project: Star & Coulter Claim

40 Samples
40=Silt

[091615:58:44:89090898]

Out: Sep 04, 1998
In : Sep 01, 1998



| Sample Name | Type | Au ppb | Au g/mt | Ag ppm | Cu ppm | Pb ppm | Zn ppm | As ppm | Sb ppm | Hg ppm | Mo ppm | Tl ppm | Bi ppm | Cd ppm | Co ppm | Ni ppm | Ba ppm | W ppm | Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.J.J. 1 | Silt | <2 | — | 0.1 | 90 | 18 | 375 | 49 | <5 | 3 | 7 | <10 | <2 | 9.6 | 37 | 162 | 81 | <5 | 54 |
| D.J.J. 2 | Silt | <2 | — | 0.2 | 36 | 17 | 218 | 87 | 5 | <3 | 6 | <10 | <2 | 6.9 | 27 | 86 | 82 | <5 | 72 |
| D.J.J. 3 | Silt | <2 | — | 0.1 | 29 | 43 | 108 | 51 | <5 | <3 | 3 | <10 | <2 | 6.5 | 27 | 21 | 119 | <5 | 15 |
| D.J.J. 4 | Silt | 5 | — | 0.2 | 52 | 49 | 78 | 103 | <5 | <3 | 3 | <10 | <2 | 6.8 | 14 | 24 | 59 | 5 | 39 |
| D.J.J. 5 | Silt | 6 | — | 0.1 | 110 | 27 | 210 | 339 | <5 | <3 | 4 | <10 | <2 | 9.7 | 36 | 17 | 335 | <5 | 21 |
| D.J.J. 6 | Silt | 2 | — | 1.8 | 84 | 63 | 83 | 65 | <5 | <3 | 5 | <10 | <2 | 13.4 | 24 | 22 | 67 | 6 | 23 |
| D.J.J. 7 | Silt | 8 | — | 1.1 | 106 | 61 | 261 | 134 | <5 | <3 | 5 | <10 | <2 | 10.6 | 45 | 29 | 105 | <5 | 36 |
| D.J.J. 8 | Silt | 57 | — | 0.4 | 22 | 25 | 141 | 64 | <5 | <3 | 3 | <10 | <2 | 8.5 | 38 | 31 | 105 | <5 | 19 |
| D.J.J. 9 | Silt | 20 | — | 0.5 | 33 | 84 | 327 | 56 | <5 | <3 | 5 | <10 | <2 | 7.8 | 24 | 47 | 118 | <5 | 43 |
| D.J.J.10 | Silt | 360 | — | 1.8 | 125 | 529 | 476 | 212 | <5 | <3 | 2 | <10 | <2 | 8.9 | 30 | 39 | 78 | <5 | 34 |
| D.J.J.11 | Silt | <2 | — | 1.2 | 89 | 20 | 1153 | 54 | <5 | <3 | 18 | <10 | <2 | 26.1 | 29 | 134 | 180 | <5 | 23 |
| D.J.J.12 | Silt | <2 | — | 0.5 | 45 | 12 | 473 | 40 | <5 | <3 | 14 | <10 | <2 | 10.6 | 13 | 65 | 142 | <5 | 22 |
| D.J.J.13 | Silt | 2 | — | 0.3 | 58 | 16 | 348 | 50 | <5 | <3 | 8 | <10 | <2 | 9.5 | 27 | 120 | 113 | <5 | 47 |
| D.J.J.14 | Silt | <2 | — | 0.4 | 41 | 16 | 352 | 47 | <5 | <3 | 9 | <10 | <2 | 8.5 | 19 | 49 | 101 | <5 | 25 |
| D.J.J.15 | Silt | 6 | — | 0.2 | 57 | 16 | 287 | 51 | <5 | <3 | 6 | <10 | <2 | 8.5 | 33 | 133 | 104 | <5 | 52 |
| D.J.J.16 | Silt | <2 | — | 0.1 | 42 | 13 | 169 | 33 | <5 | <3 | 6 | <10 | <2 | 7.1 | 15 | 48 | 133 | <5 | 31 |
| D.J.J.17 | Silt | 5 | — | 0.4 | 43 | 16 | 253 | 57 | <5 | <3 | 8 | <10 | <2 | 8.0 | 21 | 58 | 121 | <5 | 29 |
| D.J.J.18 | Silt | 2 | — | 0.3 | 41 | 22 | 261 | 48 | <5 | <3 | 7 | <10 | <2 | 9.0 | 25 | 72 | 95 | <5 | 29 |
| D.J.J.19 | Silt | 10 | — | 0.6 | 33 | 25 | 670 | 93 | <5 | <3 | 5 | <10 | <2 | 20.7 | 32 | 83 | 220 | <5 | 34 |
| D.J.J.20 | Silt | 4 | — | 0.5 | 42 | 20 | 462 | 63 | <5 | <3 | 7 | <10 | <2 | 12.2 | 22 | 76 | 107 | <5 | 38 |
| D.J.J.21 | Silt | 112 | — | 0.5 | 25 | 43 | 323 | 77 | <5 | <3 | 7 | <10 | <2 | 8.9 | 27 | 56 | 197 | <5 | 38 |
| D.J.J.22 | Silt | <2 | — | 0.6 | 21 | 30 | 173 | 102 | <5 | <3 | 3 | <10 | <2 | 6.2 | 22 | 14 | 120 | <5 | 10 |
| D.J.J.23 | Silt | 10 | — | 0.5 | 24 | 16 | 182 | 181 | 6 | <3 | 5 | <10 | <2 | 9.2 | 32 | 35 | 205 | <5 | 17 |
| D.J.J.24 | Silt | <2 | — | 0.1 | 33 | 13 | 93 | 52 | <5 | <3 | 2 | <10 | <2 | 6.1 | 17 | 21 | 81 | <5 | 13 |
| D.J.J.25 | Silt | <2 | — | 0.2 | 62 | 12 | 153 | 90 | <5 | <3 | 3 | <10 | <2 | 10.4 | 27 | 20 | 114 | <5 | 15 |
| D.J.J.26 | Silt | <2 | — | 0.2 | 48 | 12 | 170 | 77 | <5 | <3 | 4 | <10 | <2 | 9.8 | 36 | 69 | 251 | <5 | 49 |
| D.J.J.27 | Silt | <2 | — | 0.1 | 34 | 13 | 163 | 81 | <5 | <3 | 4 | <10 | <2 | 9.5 | 43 | 56 | 590 | <5 | 27 |
| D.J.J.28 | Silt | <2 | — | 0.2 | 23 | 12 | 133 | 57 | <5 | <3 | 2 | <10 | <2 | 7.3 | 23 | 39 | 154 | <5 | 35 |
| D.J.J.29 | Silt | 212 | — | 0.6 | 104 | 24 | 403 | 134 | <5 | <3 | 4 | <10 | <2 | 13.0 | 90 | 77 | 205 | 5 | 34 |
| D.J.J.30 | Silt | <2 | — | 0.7 | 33 | 27 | 463 | 72 | <5 | <3 | 4 | <10 | <2 | 12.4 | 37 | 52 | 276 | <5 | 27 |
| D.J.J.31 | Silt | 4 | — | 0.7 | 47 | 33 | 622 | 92 | <5 | <3 | 10 | <10 | <2 | 17.0 | 29 | 73 | 314 | <5 | 41 |
| D.J.J.32 | Silt | <2 | — | 0.5 | 58 | 15 | 409 | 67 | <5 | <3 | 5 | <10 | <2 | 12.5 | 19 | 73 | 291 | <5 | 55 |
| D.J.J.33 | Silt | <2 | — | 0.1 | 26 | 14 | 121 | 49 | <5 | <3 | 2 | <10 | <2 | 7.4 | 33 | 60 | 85 | <5 | 64 |
| D.J.J.34 | Silt | <2 | — | 0.5 | 103 | 51 | 180 | 57 | 6 | <3 | 2 | <10 | <2 | 12.3 | 46 | 31 | 7 | <5 | 23 |
| D.J.J.35 | Silt | <2 | — | 0.6 | 71 | 103 | 412 | 92 | <5 | <3 | 3 | <10 | <2 | 11.5 | 38 | 27 | 248 | <5 | 21 |
| D.J.J.36 | Silt | <2 | — | 0.2 | 60 | 28 | 211 | 55 | <5 | <3 | 1 | <10 | <2 | 7.0 | 20 | 27 | 191 | 6 | 28 |
| D.J.J.37 | Silt | <2 | — | 0.3 | 55 | 33 | 409 | 68 | <5 | <3 | 3 | <10 | <2 | 8.8 | 27 | 39 | 107 | <5 | 49 |
| D.J.J.38 | Silt | <2 | — | <0.1 | 43 | 15 | 137 | 30 | <5 | <3 | 2 | <10 | <2 | 7.2 | 18 | 38 | 133 | 5 | 27 |
| D.J.J.39 | Silt | <2 | — | 0.1 | 39 | 13 | 129 | 32 | <5 | <3 | 2 | <10 | <2 | 6.9 | 18 | 47 | 121 | <5 | 35 |

# CERTIFICATE OF ANALYSIS
## iPL 9810916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: Star & Coulter Claim

**40 Samples**
40-Silt

[091615:58:44:89090898]

Out: Sep 04. 1998
In : Sep 01. 1998



| Sample Name | V ppm | Mn ppm | La ppm | Sr ppm | Zr ppm | Sc ppm | Ti % | Al % | Ca % | Fe % | Mg % | K % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.J.J. 1 | 48 | 973 | 6 | 48 | 1 | 8 | 0.05 | 2.18 | 0.32 | 5.54 | 1.21 | 0.07 | 0.02 | 0.08 |
| D.J.J. 2 | 56 | 1353 | 20 | 26 | 5 | 5 | 0.07 | 2.10 | 0.32 | 4.48 | 1.22 | 0.10 | 0.03 | 0.08 |
| D.J.J. 3 | 83 | 692 | 12 | 119 | 16 | 6 | 0.40 | 2.20 | 1.20 | 4.92 | 1.44 | 0.23 | 0.41 | 0.11 |
| D.J.J. 4 | 59 | 886 | 8 | 21 | 5 | 3 | 0.09 | 1.94 | 0.17 | 5.34 | 0.68 | 0.07 | 0.01 | 0.10 |
| D.J.J. 5 | 55 | 3086 | 9 | 31 | <1 | 10 | 0.02 | 1.58 | 0.42 | 7.14 | 0.72 | 0.09 | <0.01 | 0.18 |
| D.J.J. 6 | 110 | 408 | 10 | 90 | 31 | 7 | 0.47 | 2.24 | 0.92 | 9.56 | 1.17 | 0.17 | 0.29 | 0.14 |
| D.J.J. 7 | 86 | 2995 | 26 | 64 | 6 | 9 | 0.24 | 3.77 | 0.76 | 7.07 | 1.47 | 0.14 | 0.18 | 0.10 |
| D.J.J. 8 | 112 | 1109 | 20 | 144 | 25 | 8 | 0.59 | 3.37 | 1.60 | 5.89 | 1.82 | 0.30 | 0.55 | 0.12 |
| D.J.J. 9 | 39 | 2143 | 13 | 23 | 2 | 3 | 0.06 | 1.80 | 0.34 | 4.63 | 0.95 | 0.12 | 0.03 | 0.12 |
| D.J.J.10 | 56 | 1877 | 15 | 37 | 6 | 4 | 0.24 | 2.40 | 0.44 | 5.59 | 1.06 | 0.10 | 0.09 | 0.22 |
| D.J.J.11 | 55 | 1891 | 9 | 52 | 1 | 7 | 0.03 | 1.44 | 0.46 | 5.52 | 0.46 | 0.09 | <0.01 | 0.16 |
| D.J.J.12 | 52 | 900 | 10 | 40 | 1 | 6 | 0.02 | 1.52 | 0.41 | 4.29 | 0.63 | 0.11 | 0.01 | 0.12 |
| D.J.J.13 | 51 | 1411 | 8 | 48 | 3 | 6 | 0.07 | 2.19 | 0.44 | 4.96 | 1.08 | 0.10 | 0.05 | 0.10 |
| D.J.J.14 | 50 | 931 | 15 | 39 | 3 | 6 | 0.07 | 1.84 | 0.41 | 4.14 | 0.78 | 0.11 | 0.05 | 0.13 |
| D.J.J.15 | 49 | 1586 | 10 | 39 | 2 | 6 | 0.07 | 2.23 | 0.39 | 5.04 | 1.20 | 0.11 | 0.03 | 0.09 |
| D.J.J.16 | 41 | 702 | 11 | 47 | 1 | 8 | <0.01 | 1.79 | 1.09 | 4.73 | 0.94 | 0.12 | <0.01 | 0.15 |
| D.J.J.17 | 50 | 1558 | 18 | 47 | 2 | 7 | 0.08 | 1.75 | 0.58 | 4.69 | 0.71 | 0.13 | 0.04 | 0.15 |
| D.J.J.18 | 66 | 886 | 17 | 79 | 11 | 5 | 0.23 | 2.28 | 0.79 | 4.89 | 0.86 | 0.12 | 0.14 | 0.11 |
| D.J.J.19 | 37 | 4432 | 13 | 65 | 3 | 2 | 0.09 | 1.49 | 0.73 | 5.62 | 0.67 | 0.16 | 0.05 | 0.10 |
| D.J.J.20 | 43 | 1154 | 11 | 44 | 2 | 4 | 0.07 | 1.73 | 0.47 | 4.94 | 0.84 | 0.08 | 0.05 | 0.09 |
| D.J.J.21 | 44 | 3379 | 13 | 32 | 2 | 3 | 0.07 | 1.91 | 0.58 | 5.13 | 0.93 | 0.09 | 0.03 | 0.09 |
| D.J.J.22 | 36 | 2270 | 14 | 39 | 4 | 4 | 0.07 | 1.81 | 0.53 | 5.89 | 0.55 | 0.10 | 0.03 | 0.15 |
| D.J.J.23 | 40 | 4238 | 17 | 68 | 4 | 5 | 0.09 | 2.13 | 0.88 | 6.29 | 0.65 | 0.07 | 0.04 | 0.13 |
| D.J.J.24 | 46 | 668 | 12 | 29 | 3 | 8 | 0.09 | 1.26 | 0.32 | 4.82 | 0.38 | 0.08 | 0.03 | 0.12 |
| D.J.J.25 | 82 | 552 | 7 | 23 | 1 | 22 | 0.03 | 0.62 | 0.28 | 7.84 | 0.14 | 0.05 | <0.01 | 0.24 |
| D.J.J.26 | 57 | 4447 | 13 | 49 | 5 | 5 | 0.09 | 2.21 | 0.58 | 6.63 | 1.06 | 0.10 | 0.04 | 0.13 |
| D.J.J.27 | 52 | 1.2% | 12 | 56 | 4 | 5 | 0.11 | 2.25 | 0.65 | 6.47 | 1.00 | 0.10 | 0.07 | 0.13 |
| D.J.J.28 | 44 | 2311 | 12 | 45 | 3 | 3 | 0.08 | 2.05 | 0.57 | 5.28 | 0.86 | 0.09 | 0.04 | 0.11 |
| D.J.J.29 | 42 | 8371 | 18 | 42 | 6 | 4 | 0.11 | 3.54 | 0.52 | 5.09 | 0.81 | 0.10 | 0.07 | 0.10 |
| D.J.J.30 | 39 | 6116 | 17 | 66 | 5 | 2 | 0.10 | 1.77 | 0.99 | 4.83 | 0.55 | 0.18 | 0.05 | 0.13 |
| D.J.J.31 | 53 | 6235 | 15 | 34 | 2 | 3 | 0.02 | 2.00 | 0.43 | 7.04 | 0.74 | 0.09 | <0.01 | 0.15 |
| D.J.J.32 | 49 | 3089 | 13 | 28 | 2 | 4 | 0.02 | 2.19 | 0.35 | 5.96 | 1.10 | 0.11 | <0.01 | 0.12 |
| D.J.J.33 | 53 | 2527 | 8 | 40 | 6 | 3 | 0.11 | 2.06 | 0.39 | 5.40 | 1.27 | 0.10 | 0.07 | 0.06 |
| D.J.J.34 | 32 | 3106 | 2 | 50 | 2 | 5 | 0.02 | 0.89 | 0.48 | 8.75 | 0.42 | 0.06 | <0.01 | 0.23 |
| D.J.J.35 | 40 | 4717 | 3 | 52 | 1 | 6 | 0.04 | 1.11 | 0.36 | 7.65 | 0.53 | 0.07 | <0.01 | 0.16 |
| D.J.J.36 | 41 | 1913 | 5 | 35 | <1 | 5 | 0.01 | 1.50 | 0.32 | 5.06 | 0.73 | 0.06 | <0.01 | 0.13 |
| D.J.J.37 | 48 | 1734 | 5 | 32 | 2 | 6 | 0.04 | 1.62 | 0.48 | 5.71 | 0.96 | 0.12 | 0.02 | 0.14 |
| D.J.J.38 | 33 | 1729 | 6 | 32 | 1 | 7 | 0.01 | 1.56 | 0.34 | 5.16 | 0.67 | 0.09 | <0.01 | 0.09 |
| D.J.J.39 | 42 | 1007 | 7 | 39 | 1 | 6 | 0.04 | 1.68 | 0.39 | 5.08 | 0.85 | 0.10 | 0.03 | 0.09 |
| Minimum Detection | 2 | 1 | 2 | 1 | 1 | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Maximum Detection | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 1.00 ICP | 10.00 ICP | 10.00 ICP | 10.00 ICP | 10.00 ICP | 10.00 ICP | 5.00 ICP | 5.00 ICP |

# CERTIFICATE OF ANALYSIS
## iPL 98I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: Star & Coulter Claim

**40 Samples**
40=Silt

[091615:58:44:89090898]

Out: Sep 04, 1998
In : Sep 01, 1998



| Sample Name | Type | Au ppb | Au g/mt | Ag ppm | Cu ppm | Pb ppm | Zn ppm | As ppm | Sb ppm | Mg ppm | Mo ppm | Tl ppm | Bi ppm | Cd ppm | Co ppm | Ni ppm | Ba ppm | W ppm | Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.J.J.40 | Silt | <2 | — | <0.1 | 51 | 13 | 133 | 24 | <5 | <3 | 1 | <10 | <2 | 6.9 | 17 | 28 | 117 | <5 | 19 |


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| Sample Name | W ppm | Mn ppm | La ppm | Sr ppm | Zr ppm | Sc ppm | Ti % | Al % | Ca % | Fe % | Mg % | K % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D.J.J.40 | 31 | 835 | 5 | 33 | 1 | 7 | 0.01 | 1.22 | 0.36 | 5.02 | 0.50 | 0.10 | 0.02 | 0.08 |

**PRIME RESOURCES GROUP INC.**

**ESKAY CREEK MINE**

# EXPLORATION DRILL CORE SAMPLES

LOT #: X8-3270 DATE: 05-Sep 1998

| | SAMPLE number | Au g/t | Ag g/t | AuEq g/t | Pb % | Zn % | Cu % | As % | Hg ppm | Sb % | MgO % | Al2O3 % | S.G. | Moisture wt.% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32866 | -1.0 | -10 | | 0.02 | 0.01 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 2 | 32867 | -1.0 | -10 | | 0.01 | 0.02 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 3 | 32868 | -1.0 | -10 | | -0.01 | 0.01 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 4 | 32869 | -1.0 | -10 | | -0.01 | 0.03 | -0.01 | 0.01 | -1 | -0.01 | | | | |
| 5 | 32870 | -1.0 | -10 | | 0.01 | 0.02 | -0.01 | -0.01 | 2 | -0.01 | | | | |
| 6 | 32871 | -1.0 | -10 | | 0.01 | 0.01 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 7 | 32872 | -1.0 | -10 | | -0.01 | 0.01 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 8 | 32873 | -1.0 | -10 | | 0.01 | 0.02 | -0.01 | 0.01 | 2 | -0.01 | | | | |
| 9 | 32874 | -1.0 | -10 | | -0.01 | 0.02 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 10 | 32875 | -1.0 | -10 | | -0.01 | 0.02 | -0.01 | -0.01 | 7 | -0.01 | | | | |
| 11 | 32876 | -1.0 | -10 | | -0.01 | 0.02 | -0.01 | -0.01 | -1 | -0.01 | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| samples | 11 | base metals | 66 |
| total Au, Ag | 22 | total determinations | 88 |

_____ merged
_____ xls. deleted
_____ dbf. deleted

X8-3270.XLS CERTIFICATION:_____