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PROSPECTING REPORT

on the

SNOW PROPERTY

Liard Mining Division British Columbia

North Lat. 570 21' West Long. 1310 41' NTS 104G/5E

RECEIVED

MAY 1 8 1990

Gold Commissioner's Office VANCOUVER, B.C.

.Prepared for.

SARABAT GOLD CORPORATION 840 - 650 West Georgia Street Vancouver, B.C. V6B 4N8

.Prepared by.

BOA SERVICES LTD. P.O. BOX 11569 840 - 650 West Georgia Street Vancouver, B.C. V6B 4N8

> Paul P.L. Chung, F.G.A.C. Consulting Geologist

May 15, 1990

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INTRODUCTION

Sarabat Gold Corporation of Vancouver owns the SNOW property which is comprised of 4 mineral claims situated in the Liard Mining Division, northwestern British Columbia. This report, prepared at the request of the directors of the company describes the work program conducted on the property during September of 1989.

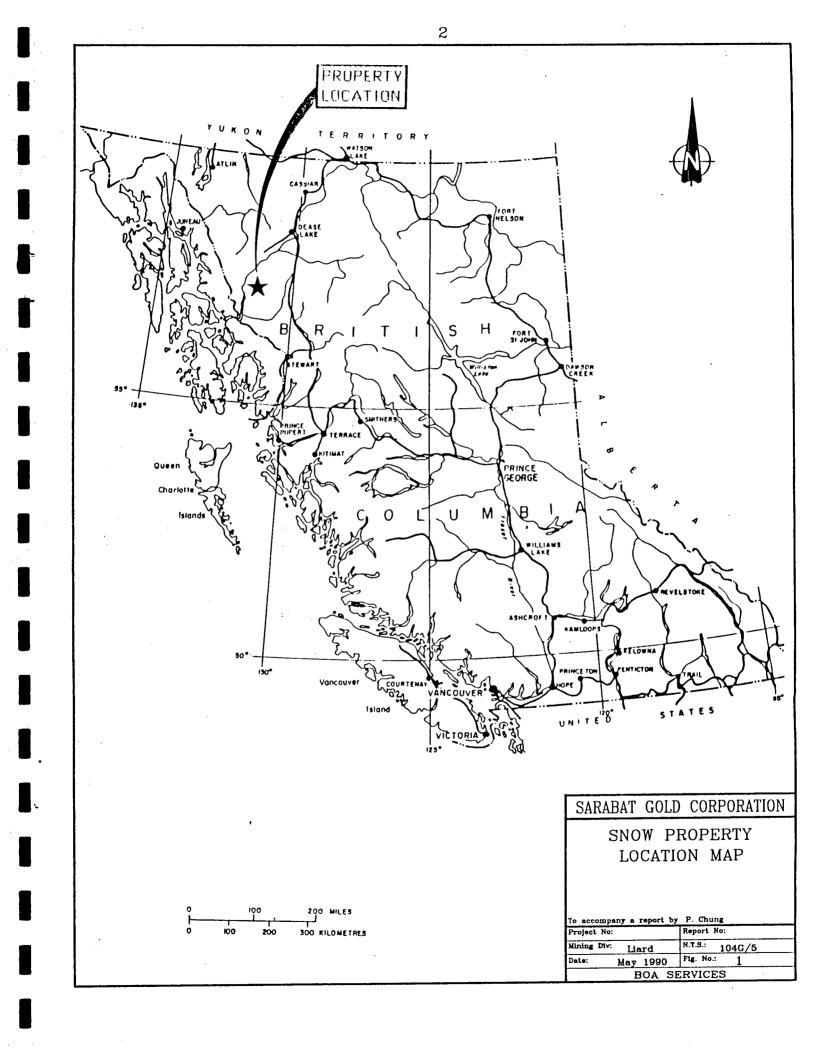
SUMMARY

The SNOW property is comprised of 4 M.G.S. mineral claims that together total 80 units in the Liard Mining Division. The claims covers a southerly glacial drainage from the eastern portion of Cone Mountain, approximately 68 kilometres southwest of Telegraph Creek in northwestern British Columbia. The geographic coordinates of the property are 570 21' N Latitude by 1310 41' W Longitude.

Access to the property is provided by helicopter from the Scud River airstrip, approximately 10 kilometres to the southwest, or from the Bronson Creek airstrip, some 95 kilometres to the southeast.

There is no reported recent exploration of the property. However, some prospecting work has been done on claims in the area during the past year and the whole Galore Creek Camp has experienced an increase in precious metal exploration recently.

A preliminary prospecting and sampling program was conducted on the property during September, 1989. During this program, 20 rock samples and 8 stream sediment samples were collected and analyzed.



After reviewing the results, a more detailed mapping and sampling program is recommended as the next stage of exploration.

LOCATION, ACCESS AND PHYSIOGRAPHY

The SNOW property is located within the Coast Range Mountains approximately 180 kilometres northwest of Stewart and 68 kilometres southwest of Telegraph Creek in northwestern British Columbia (Figure 1). The claims lie within the Liard Mining Division and the geographical coordinates for the centre of the property are 570 21' North Latitude and 1310 41' West Longitude.

Access to the property is provided by helicopter from the Scud River airstrip which is located approximately 10 kilometres to the southwest, or from the Bronson Creek airstrip which is located approximately 95 kilometres to the southeast. During the 1989 field season, a helicopter was stationed at the Galore Creek airstrip, some 25 kilometres to the southeast. Fix-wing aircraft fly charters from Smithers, Dease Lake and Telegraph Creek to the Scud River and Galore Creek airstrips. Scheduled flights from Smithers to the Galore Creek airstrip via the Bronson Creek airstrip during the field season are available. On the Alaska side of the border, Wrangell lies approximately 100 kilometres to the southwest, and provides a full range of services and supplies, including a major commercial airport. The Stikine River has been navigated by 100-ton barges up river as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to the Scud River airstrip.

The SNOW claims cover a southerly glacial drainage from the eastern portion of Cone Mountain. Topography is steep and

- 3 -

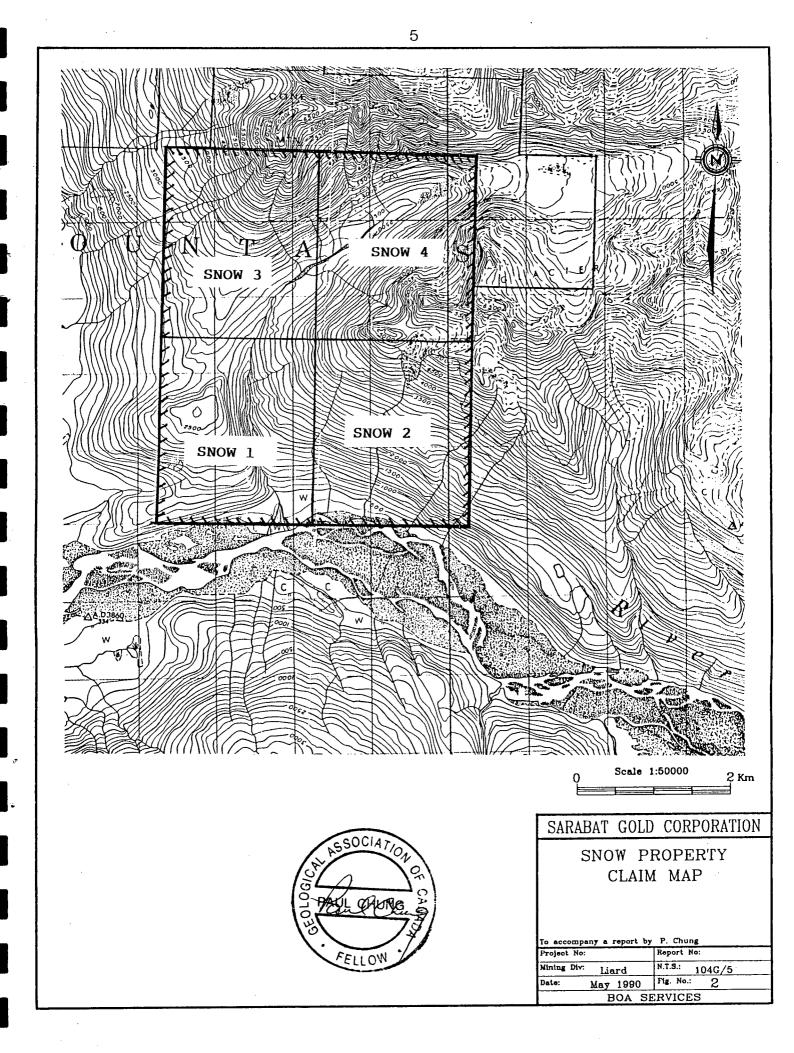
rugged with elevations ranging from 150 metres to over 1800 metres above sea level. The tree line is at approximately 1100 metres. Vegetation varies considerably throughout the property. Along the creek, a few rare areas of towering cottonwoods and evergreens with little undergrowth are tucked away in an extremely dense, almost impenetrable jungle of Devil's club, huckleberry and alder. Most of the slopes are found to be well timbered with spruce, hemlock and fir with little undergrowth.

The claims are situated at the boundary between the wet belt and the gradational belt. In this area temperatures range from -30to +30 degrees centigrade and approximately 300 centimetres of precipitation is recorded per year, mostly in the form of snow.

PROPERTY AND OWNERSHIP

The SNOW property is comprised of 4 M.G.S. mineral claims that together total 80 units and covers approximately 2000 hectares. The claims are situated in the Liard Mining Division, British Columbia. The configuration of the claims are shown in Figure 2. Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the claims are owned by Sarabat Gold Corporation. The following table summarizes the pertinent claim data.

| <u>Claim</u> | Record No. | <u>Units</u> | <u>Record Date</u> |
|--------------|------------|--------------|--------------------|
| SNOW 1 | 5622 | 20 | February 19/89 |
| SNOW 2 | 5623 | 20 | February 19/89 |
| SNOW 3 | 5624 | 20 | February 19/89 |
| SNOW 4 | 5625 | 20 | February 19/89 |



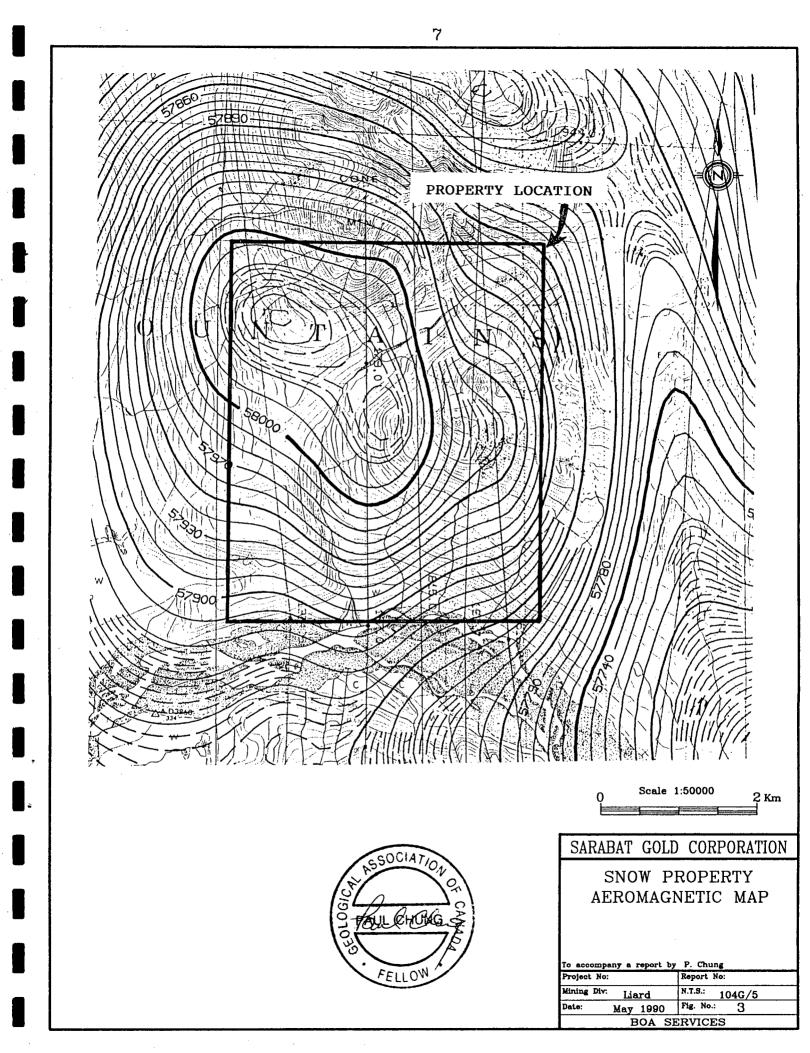
HISTORY

The property itself has no known exploration, but the area first received exploration activity sometime prior to 1914, when Dixon and Bodel staked claims on the Devil's Elbow properties, where the Stikine Mining Company did work for a couple of years. The first systematic mineral exploration in the area occurred in the 1950's following the discovery of the Galore Creek deposit. This early exploration was initiated by Kennco Copper and their search was directed towards finding large tonnage, porphyry copper deposits similar to Galore Creek.

In 1981, Teck Explorations Limited prospected the Oksa Creek drainage area after hearing rumours from prospectors of a high grade gold bearing quartz vein. Their efforts uncovered a .6 metre wide quartz vein which returned assays up to 0.42 oz/ton gold and 2.12 oz/ton silver. This vein is covered by the present Oksa Gold claims approximately 3 kilometres north of the SNOW property.

The Geological Survey of Canada conducted a regional aeromagnetic survey of the area in 1978. This survey indicates a magnetic high is situated on the property (Figure 3).

In 1987, the government conducted a regional geochem survey (RGS) over the Telegraph Creek mapsheet (104G). During this survey, two stream sediment samples were taken from the present SNOW property. Sample 873405 returned anomalous values (75th percentile) in Cu (88 ppm), Au (51 ppb), and Sb (0.7 ppm); and sample 873407 had anomalous values in Cu (117 ppm), Ni (24 ppm) and As (7 ppm).



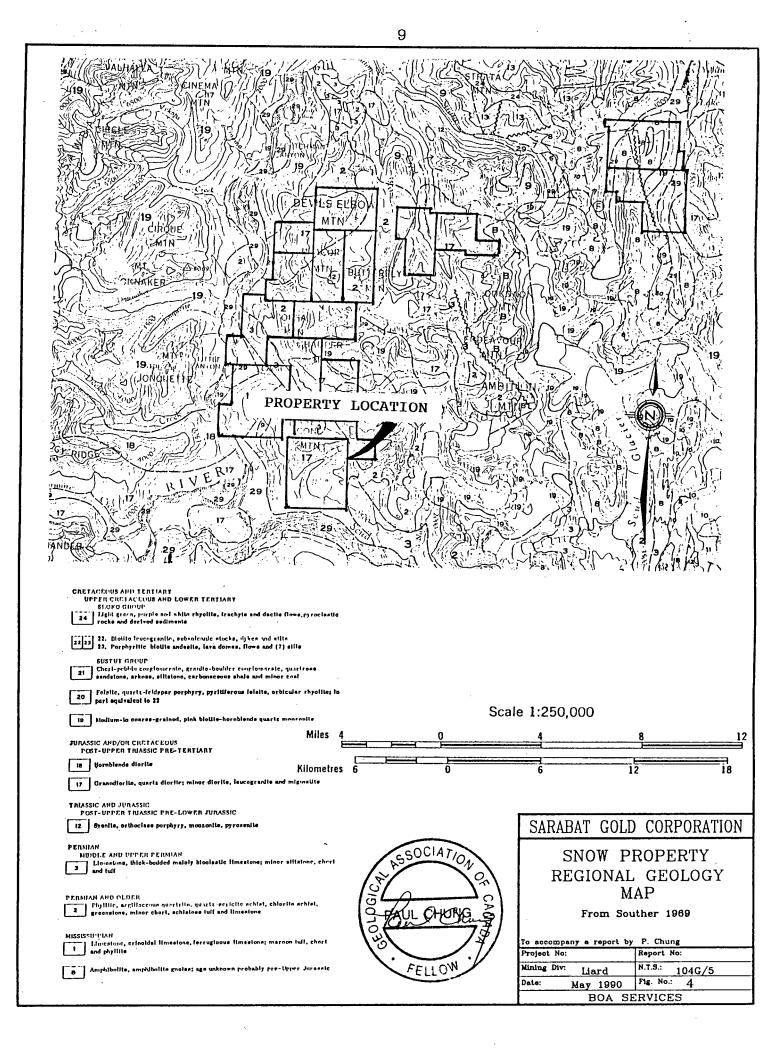
REGIONAL GEOLOGY

The Galore Creek area lies on the western margin of the Intermontane Belt within the Stikine Arch near its contact with the Coast Plutonic Complex (Figure 4). A sequence of Paleozoic to middle Triassic oceanic sediments is unconformably overlain by Upper Triassic Hazelton Group island arc volcanics and sediments. These have been intruded by Upper Triassic to Lower Jurassic syenitic stocks and by Jurassic to Lower Cretaceous quartz diorite and granodiorite plutons of the Coast Plutonic Complex.

The oldest rock assemblage in the Galore Creek area consists of Permian bioclastic limestone (Unit 3) overlying metamorphosed sediments and volcanics (Unit 2) and crinoidal limestone (Unit 1).

Unconformably overlying the Permian limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments (Units 5 through 8). In the Galore Creek area, Souther (1971) grouped these volcanic and sedimentary members in Unit 9, noting however that it was composed predominantly of augite andesite breccia, conglomerate and volcanic sandstone. The Paydirt gold deposit, located 30 kilometres south of the SNOW property, contains 185,000 tonnes of drill-indicated reserves grading 4.11 grams gold per tonne, is hosted within silicified, sercitized and pyritized Upper Triassic andesitic tuffs. This Upper Triassic volcano-sedimentary package is also correlative with that which hosts the Snip and Stonehouse gold deposits of the Iskut River district approximately 80 kilometres to the south.

Subvolcanic syenite and orthoclase porphyry stocks (Unit 12), dated as Late Triassic to Early Jurassic by Souther (1971), intrude all older stratified rocks. The Galore Creek copper-gold porphyry deposit, whose Central Zone hosts reserves of 125



million tonnes grading 1.06% copper and 400 ppb gold, is hosted by Upper Triassic volcanics intruded by syenitic stocks. Orthoclase porphyry or syenite stocks are associated with most significant precious metals deposits in the Stewart, Sulphurets and Iskut River districts, including the Silbak Premier, Sulphurets, and Snip deposits.

Jurassic and Cretaceous granodiorite to quartz diorite batholiths (Unit 17) of the Coast Plutonic Complex intrude all older lithologies.

1989 WORK PROGRAM

During September 1989, Coast Mountain Geological conducted a preliminary prospecting and sampling program on the property on behalf of Sarabat Gold Corporation. During the program, a total of 8 stream sediment samples and 20 rock samples were taken (Figure 5).

Property Geology

The area observed is underlain by a fine to coarse grained intrusive, possibly mid-Jurassic in age. Sedimentary units consist of limestone, partially altered to marble and a hornfelsed argillite. The limestone is host to quartz veining which contains pyrite, pyrrhotite and minor sphalerite. Disseminated pyrite veinlets are present within the argillite. Also present are porphyritic felsic dykes which show no visible mineralization.

Stream Sediment Survey

The stream sediment samples were taken from the active parts of creeks on the south side of Cone Mountain. The samples were sent to Acme Laboratories in Vancouver where they were dried, sieved to minus 80 mesh and analyzed for 32 elements by ICP and gold by AA. In general the results from the silt survey produced background values for base and precious metals. However, samples SNS-04-S and SNS-060-S returned gold values of 40 ppb and 85 ppb respectively; and zinc values were consistently above 100 ppm. The Certificate of Analysis accompanies this report as Appendix I.

Rock Geochemistry Survey

The rock samples were sent to Acme Laboratories in Vancouver where they were pulverized and screened. The minus 100 mesh portions were then analyzed for 32 elements by ICP and gold by AA. The sampling produced some encouraging results especially in copper and zinc. A sample of a vein in metamorphosed limestone (SN-W01) returned values of .32% Cu, 14.30% Zn, 6.3 ppm Ag, 1174 ppm Cd, 84 ppm Bi and 53 ppb Au. The Certificate of Analysis and the rock sample descriptions accompanies this report as Appendix I and II respectively.

DISCUSSIONS AND CONCLUSIONS

The Galore Creek camp has gained prominence recently with the discovery of precious metal mineralization in the Hummingbird and Ptarmigan showings of Trophy Project and more recently the very encouraging results on the Jack Wilson property belonging to Bellex Gold Corp. The mineralization in the Hummingbird zone occurs in the limestone as a skarn.

The area investigated consisted of a metamorphosed limestone and argillite in contact with an intrusive. Mineralization found within the limestone consisted of chalcopyrite and sphalerite. The rock samples that were collected produced some encouraging results for copper and zinc. The silt sediment survey produced two samples anomalous in gold.

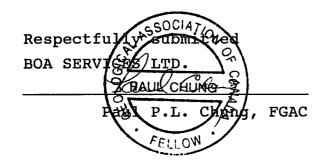
RECOMMENDATIONS

After reviewing the data, the following program is recommended for further exploration of the property:

- stream sediment sampling on the creeks on the property especially along the creeks that produced the anomalous silt samples.
- (2) mapping and prospecting over the claims with emphasis on anomalous areas identified by earlier sampling programs.

STATEMENT OF COSTS

| Mob and Demob | \$1,872.00 |
|-----------------------------------|------------|
| Geologist: 2 days @ \$250/day | 500.00 |
| Prospector: 1 day @ \$200/day | 200.00 |
| Camp Costs: 3 @ \$130/each | 390.00 |
| Freight and Communications | 100.00 |
| Equipment and Consumables | 348.00 |
| Project Prep | 350.00 |
| Assays: Rocks - 20 @ \$13.75 each | 275.00 |
| Silts - 8 @ \$11.60 each | 92.80 |
| Fire Assay | 7.00 |
| Helicopter: 2.4 hour @ \$767.80 | 1,842.72 |
| Management Fee (12%) | 717.30 |
| Report | 1,500.00 |
| TOTAL COST OF PROGRAM | \$8,194.82 |
| | |



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Awmack, H.J., B.K. Yamamura. 1988: 1988 Summary Report on the JW 2, 4, 5, 7 and 8 Claims. Private Report for Bellex Gold Corp.

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Souther, J.D. 1971: Telegraph Creek Map Area, British Columbia; Geological Survey of Canada Paper 71-44.

STATEMENT OF QUALIFICATIONS

I, Paul P.L. Chung, of the City of Richmond, Province of British Columbia, DO HEREBY CERTIFY THAT:

- (1) I am a Consulting Geologist with business address office at Suite 840 - 650 West Georgia Street, Vancouver, British Columbia, V6B 4N8; and president of Boa Services Ltd.
- (2) I am a graduate in geology with a Bachelor of Science degree from the University of British Columbia, in 1981.
- (3) I have practised my profession continuously since graduation.
- (4) I am a Fellow of the Geological Association of Canada.
- (5) I have conducted various mineral exploration programmes in B.C., Yukon, Manitoba, Ontario, Quebec, Nova Scotia and Nevada.
- (6) This report is based on information supplied to me by Coast Mountain Geological and on selected publications and reports.

UL CHUNG Paul € G.A.C. FELLOW

Dated at Vancouver, British Columbia, this 15th day of May, 1990.

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APPENDIX I CERTIFICATE OF ANALYSIS

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: NOV 14 1989 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: NU(20)/V.

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK PULP AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T. SIGNED BY.... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS Coast Mountain Geological Ltd. FILE # 89-4278R2

| SAMPLE# | Cu | \mathbf{Pb} | Zn | Ag** | Au** |
|---------------------------------------|------|---------------|---------------------|--------------|----------------|
| | 8 | 8 | 8 | ΟŽ/T | OZ/T |
| | • | v | Ũ | 02/1 | 02/1 |
| 0110D 01 | | | | | |
| OKCB-21 | - | •56 | 7.36 | .67 | - |
| OKCB-23 | | .56 | 2.24 | 48.20 | - |
| OKCB-25 | | _ | .12 | 14.01 | _ |
| (SNW=01 | | | | | |
| · · · · · · · · · · · · · · · · · · · | .32 | | 14-30 | - | Cherners 2 . 1 |
| JWS-56 | | | 4m# | | .438 |
| | | | | | |
| JWS-58 | | | - | _ | .351 |
| JWK-01 | 4.46 | _ | | | .359 |
| | | | | | |
| JWK-09 | .83 | - | | | .025 |
| JWT1-18A | .94 | - | | - | - |
| JWT1-19B | 1.25 | _ | | | _ |
| | | | | | |
| | 0.0 | | | | 0.7.4 |
| JWT1-23A | .90 | | e : 9 | | .014 |
| JWT1-24A | 1.69 | - | - | - | .023 |
| JWT1-24B | 1.40 | | | - | .013 |
| JWT1-24D | .89 | _ | | _ | .014 |
| | | | | | .014 |
| JWT1-25D | 1.17 | - | etab | - | - |
| | | | | | |
| JWT1-26A | 1.96 | | | _ | - |
| JWT1-26B | 1.90 | | _ | _ | .032 |
| | | | | | |
| JWT1-26C | 1.35 | | | - | .024 |
| JWT1-27A | 1.88 | - | | | .047 |
| JWT1-27B | 2.00 | - | | - | .067 |
| | | | | | |
| JWT1-27C | 2.22 | | | | 002 |
| | | - | | - | .083 |
| JWT1-27D | 2.55 | - | | | .035 |
| JWT1-28A | 2.04 | | | - | .043 |
| JWT1-28B | 2.36 | | | - | .049 |
| JWT1-28C | 2.06 | | | | .062 |
| JWII-28C | 2.00 | - | - | Ξ. | .062 |
| | | | | | |
| JWT1-28D | 2.21 | _ | - | - | .038 |
| JWT2-07M-G | 1.09 | _ | - | | |
| RJKF-07 | 1.05 | | | _ | 3.708 |
| | ~ | | | - | 3.700 |
| JWCB-08 | | - | | | .379 |
| JWCB-09 | | - | | | .238 |
| | | | | | |
| THOP 16 | 2 54 | | | | |
| JWCB-16 | 2.54 | | | - | |
| JWCB-25 | .89 | | | - | |
| JWCB-28 | 3.84 | - | | _ | |
| JWCB-30 | 1.75 | _ | | _ | .040 |
| JWCB-31 | | | | _ | |
| ONCD-31 | 5.87 | | | - | .066 |
| | | | | | |
| JWF-21 | 1.24 | - | - | - | - |
| | | | | | |

COAST MOUNTAIN GEOIOGICAL DIG. IIIE # 89-42/8

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| SAMPLE# | Мо РРМ | Cu PPM | РЬ РРМ | Zn PPM | Ag PPM | Ni PPM | Co PPN | Mn PPN | Fe X | AS PPM | U PPM | Au Ppn | Th PPM | Sr PPN | Cd PPM | SD PPM | Bi PPM | V PPM | Ca X | P % | La PPM | Cr PPM | Mg X | Ba PPM | Ti X | B PPM | Al X | Na % | K X | | Au* PPB |
|------------|-----------|-----------|-----------|-----------|---------------|-----------|-----------|-----------|---------|------------|----------|-----------|---------------|-----------|-----------------|-----------|-----------|----------|---------|---------|-----------|-----------|---------|-----------|-------------|----------|---------|---------|--------|---|------------|
| SCCB-09 | 1 | 4 | 2 | 39 | 8. 1 . | 5 | 2 | 158 | 2.75 | 2 | 5 | ND | 1 | 512 | | . 3 | 2 | 13 | 15.90 | .017 | 2 | 12 | 3.81 | 9 | .01 | 4 | .23 | .02 | .02 | E. 1.1 | 3 |
| SCCB-10 | 1 | 3 | 9 | 68 | 4 | 9 | 2 | 84 | .57 | 4 | 5 | ND | 1 | 867 | 1 | 2 | 2 | 4 | 30.64 | .006 | 2 | 16 | .49 | 12 | .01 | 2 | .06 | .01 | .01 | <u>i</u> 1 | 1 |
| SCCB-11 | 3 | 4 | 4 | 24 | 8. K | 6 | 2 | 64 | 3.06 | 5 | 5 | ND | 1 | 328 | 1 | 2 | 2 | 4 | 7.31 | .050 | 2 | 7 | .42 | 19 | .01 | 2 | .49 | .01 | .10 | 80 1 - | 1 |
| SCCB-12 | 4 | 11 | 13 | 76 | .1 | 4 | 4 | 34 | 3.53 | 2 | 5 | ND | 1 | 52 | - 18 1 8 | 2 | 3 | 6 | .92 | .053 | 5 | 11 | 1.76 | 19 | .01 | 6 | 1.75 | .02 | .09 | §>1 - | 1 |
| SCCB-13 | 1 | 11 | 11 | 101 | | 7 | 11 | 96 | 5.89 | 2 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 55 | .33 | .079 | 3 | 24 | 2.82 | 11 | .01 | 2 | 3.24 | .01 | .06 | <u>_</u> 1_ | 1 |
| | | | | | | | | | | | | | | | | | | _ | | | _ | | | _ | | | | | | 96 . | |
| SLS-00 | 1 | 2 | 8 | 45 | 1 | | 1 | 51 | .31 | 2 | 5 | ND | 1 | 83 | - 81 | 2 | 2 | | 10.78 | | 2 | 23 | 1.01 | 5 | .01 | 2 | .08 | .01 | .01 | 1 | 1 |
| SLS-01 | 3 | 32 | 6 | 91 | .2 | 13 | 6 | 306 | 2.03 | - 204 | 5 | ND | 1 | 37 | - 2010 | 2 | 2 | 13 | | | 2 | 10 | .77 | 156 | .03 | 2 | .72 | .01 | .04 | <u></u> 1 | 2 |
| SLS-02 | 25 | 429 | 17 | 1383 | 2.1 | 466 | | 2922 | 4.03 | 9 | 5 | ND | 3 | 42 | 7 | 6 | 3 | 25 | | | 33 | 70 | .87 | 343 | .01 | 6 | 1.84 | .01 | .11 | 8 1 | 1 |
| SLS-03 | 7 | 92 | 10 | 133 | .7 | | | 483 | 2.86 | 5 | 5 | ND | 2 | 62 | 2 | 2 | 2 | 48 | | .079 | 6 | 8 | 1.63 | 147 | 14 | 3 | | .02 | .09 | <u>_</u> 1 | 2 |
| SLS-04 | 1 | 23 | 14 | 144 | | 21 | 18 | 1159 | 7.37 | 9 | 5 | ND | 1 | 81 | 1 | 2 | 2 | 100 | 4.00 | .106 | 3 | 43 | 2.43 | 69 | .09 | 3 | 3.96 | .04 | .04 | §.1 | 1 |
| | | | • | | | | | | | | - | | | | | | . | | | 27/ | ~ | | - / | ~ • • | | _ | | | ~ | | |
| SLS-05 | 1 | 81 | 9 | 133 | 3 | 48 | | 1090 | 8.39 | 5 | 5 | ND | 1 | 46 | | 2 | 2 | | 1.25 | | 2 | 87 | 3.47 | 211 | .12 | | 4.50 | .03 | .04 | | 1 |
| SLS-06 | 1 | 53 | 6 | 108 | .4 | 40 | | 1111 | 6.45 | 8 | 5 | ND | 1 | 131 | | 6 | 2 | 79 | | .067 | 2 | 79 | 2.83 | 152 | .10 | 2 | 3.65 | .02 | .01 | | 2 |
| SLS-07 | 1 | 41 | 8 | 74 | -3 | 24 | 7 | | 2.45 | 3 | 5 | ND | 1 | 114 | | 2 | 2 | 35 | | | 2 | 26 | .87 | . 49 | .07 | 2 | | .01 | .03 | | 3 |
| SLS-08 | <u> </u> | 23 | 13 | 144 | .3 | 19 | 2 | | 1.07 | 2 | 8 | ND | 3 | 46 | | 2 | 2 | 505 | .95 | | 5 | 53 | .64 | 180 | _ 04 | <u> </u> | .91 | .01 | .11 | | 1 |
| SNW-01 | 6 | 3301 | 5 | 99999 | 6.3 | 11 | 115 | 714 | 15.75 | 2 | 5 | ND | 1 | 47 | 1174 | 2 | 84 | 5 | 2.03 | .049 | 2 | 10 | .07 | 9 | .02 | 2 | .20 | .01 | .01 | * | 53 |
| SNW-02 | 2 | 82 | 6 | 193 | | 13 | 7 | 186 | 1.86 | | 5 | ND | 4 | 25 | | 2 | 4 | 16 | .99 | .068 | 2 | 29 | .10 | 65 | 15 | 3 | .19 | .01 | .04 | 2 | 9 |
| SNW-02 | 3 | 98 | 16 | 1112 | .2 .3 | 6 | 7 | 165 | 1.92 | 2 54 | 5 | ND | 5 | 65 | 2 11 | 2 | 2 | 44 | | | 11 | 5 | .27 | 72 | .15 .09 | 5 | .57 | .02 | .09 | 1 | , |
| SNW-03 | 5 | 15 | 7 | 75 | | - | • | | | - 54 | 5 | | 5 | 70 | | _ | 2 | 11 | | -00 | | 23 | .09 | 53 | .06 | 7 | .36 | .02 | .05 | Ż | 4 |
| SNW-05 | 3 | 56 | ģ | 40 | -1 | | - 4 | 262 | 1.10 | - 211 - 60 | 5 | ND | 1 | | | 2 | | 36 | | .137 | 11 | 2 | .14 | 26 | 15 | 3 | .57 | .02 | .03 | 1 | 3 |
| SNW-05 | 3 | 6 | 4 | 39 | 1 | 3 | 20 4 | 145 | 4.58 | 2 | 5 | ND | 5 | 72 62 | | 2 | 2 3 | | | | 10 | 5 | .29 | 51 | .07 | 2 4 | .68 | .02 | .07 | | 2 |
| SNW-UD | 2 | 0 | 4 | 28 | | 2 | 4 | 324 | 1.26 | 2 | 2 | ND | 2 | 02 | | 2 | 2 | 20 | -02 | .0/5 | 10 | 2 | .29 | 21 | (| * | •00 | .05 | .07 | | 2 |
| SNW-07 | 11 | 92 | 10 | 70 | .3 | 73 | 12 | 467 | 1.55 | 2 | 5 | ND | 1 | 103 | 2 | 2 | 2 | 28 | 13.02 | 210 | 2 | 26 | .20 | 15 | .06 | 16 | .43 | .03 | .11 | | 1 |
| SNW-08 | 'ź | 2 | 25 | 29 | 1 | | 1 | 547 | .90 | 8 | 5 | ND | ź | 21 | | 2 | 4 | 1 | | | 24 | 1 | .04 | 136 | .01 | 2 | .32 | .02 | 18 | 1 | 1 |
| SNW-09 | 1 | 54 | 28 | 80 | .2 | | 21 | 650 | 5.17 | 2 | 5 | ND | Ş | 101 | 1 | _ | 2 | 111 | | | 15 | 57 | 2.50 | | .10 | 4 | 2.21 | .05 | .62 | 8.1 | ż |
| SNW-10 | 1 | 2 | 15 | 45 | | | 2 | | 1.25 | 5 | 5 | ND | 7 | 19 | | 2 | 2 | 3 | .46 | ; | 24 | 5 | .29 | 53 | .02 | 2 | .69 | .02 | .11 | . | . 1 |
| SNW-10 | 1 | 4 | 18 | 55 | | | 2 | 474 | | | 5 | ND | 1 | | | 2 | 2 | د ۷ | .40 | | 13 | 5 | .29 | 58 | 104 | a . | .69 | .02 | .14 | | . 1 |
| SNW-11 | • | * | 10 | | | 4 | 2 | 4/4 | 1.16 | 2 | 2 | NU | 1 | 27 | | ۷ | 2 | 4 | .40 | .033 | 15 | 2 | .29 | 20 | | 6 | .09 | .02 | - 14 | | - |
| SNW-12 | 1 | 31 | 10 | 45 | .2 | 43 | 11 | 362 | 2.39 | 2 | 5 | ND | 1 | 42 | | 2 | 2 | 61 | .90 | .087 | 2 | 57 | .85 | 163 | 14 | 5 | 1.63 | .08 | .47 | | 4 |
| SNW-13 | 3 | 111 | | 35 | 3 | 60 | 16 | | 2.23 | 2 | 5 | ND | | 28 | - 84 | 2 | 2 | 35 | | | ž | 38 | .29 | 19 | 13 | ģ | .52 | .04 | .22 | 300 1 | 2 |
| SNW-14 | 1 | 91 | 2 | 49 | .2 | 42 | 17 | 428 | 2.70 | 2 | 5 | ND | | 52 | | 2 | 2 | 57 | | | 2 | 50 | 1.55 | | 15 | e - | | .07 | 1.10 | 1 | - |
| SNW-15 | i | 120 | 13 | 61 | 4 | | 21 | 563 | 3.94 | 5 | 5 | ND | i | 55 | | ź | ź | 85 | | | 9 | 34 | 2.08 | | 13 | 8 | | .07 | .96 | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | |
| SNS-02 | 1 | .20 | 3 | 60 | | | 3 | 389 | .47 | 3 | 5 | ND | | 356 | | 2 | 2 | 5 | | | 2 | 8 | .10 | | .01 | 5 | | .01 | .03 | S i | |
| 515 02 | • | , | 5 | ŬŎ | | 14 | | 207 | .4/ | | 5 | NU | 1 | 200 | | 4 | . 4 | 2 | 4.01 | .012 | 4 | 0 | . 10 | 54 | | | . 10 | .01 | .05 | | ' |
| SNS-03 | 1 | 49 | 8 | 138 | .3 | 28 | 25 | 1284 | 7.95 | 2 | 5 | ND | · 1 | 84 | | 5 | 2 | 138 | 4.06 | .118 | 4 | 79 | 2.28 | 454 | .21 | 4 | 3.39 | .02 | 1.79 | 1 | 4 |
| SNS-11 | 1 | 3 | 11 | 57 | .1 | | 10 | | 4.49 | Ž | 5 | ND | ż | 27 | | ź | 2 | 112 | | .071 | 9 | 37 | | | 19 | 121 | | | 1.40 | ្លា | : |
| SNS-12 | 1 | 23 | 5 | 60 | 1 | | 11 | | | 2 | 5 | ND | 5 | 35 | 10000000000 | Q | 2 | 90 | | .095 | 10 | 22 | | | 17 | | 1.51 | .08 | | 1 | - |
| SNS-13 | ż | 6 | 6 | 49 | | 5 | 9 | | 2.73 | 2 | 5 | ND | ź | 31 | | 2 | 2 | 77 | | | 9 | 18 | | | | | 1.25 | | .63 | 1 | |
| SDF-02 | | 87 | . 8 | | 1.8 | 28 | 5 | | | 3 | 5 | ND | <u>7</u> 1 | 13 | 1 | 2 | 2 | | | .086 | 3 | | | | | | _ | | | <u>্</u> য | |
| | | | - | | | | - | | | | | | • | | | | - | | | | Ĩ | | • • • | | | | | | | | - |
| SDF-03 | 5 | 93 | 5 | 36 | 1.0 | 12 | 6 | 114 | 3.24 | 2 | 5 | ND | 3 | 19 | | 2 | 4 | 85 | .36 | .121 | 9 | 14 | .28 | 37 | .09 | 9 | .54 | .03 | .10 | 1 | (|
| STD C/AU-R | 18 | 62 | 41 | 134 | 7.1 | | _ | | 3.99 | 42 | 18 | 7 | 36 | 48 | | . – | 21 | 60 | | | 38 | 55 | | | 15 1 1 | 37 | 1.91 | .06 | . 13 | 11 | 481 |
| | | | | | | | - | _ | | | | • | | | 21.5.55 | | | | | • • • • | | | | - | | | | - | | | |

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| SD-W-04 SD-W-05 SNS-01-S SNS-04-S STD C/AU-S | SD-W-01 SD-W-02 | 0KWS-4 0KWS-5 0KWS-6 PHK-SS-01 SD-F-01 | OK-S-W-08 OK-S-W-09 OKWS-1 OKWS-2 OKWS-3 | 0K-S-H-03 0K-S-H-04 0K-S-H-05 0K-S-H-06 0K-S-H-07 | 0KK-SS-16 0KK-SS-17 0KK-SS-18 0K-S-W-01 0K-S-W-02 | 0KK-SS-11 0KK-SS-12 0KK-SS-13 0KK-SS-14 0KK-SS-15 | 0KK-SS-06 0KK-SS-07 0KK-SS-08 0KK-SS-09 0KK-SS-10 | SAMPLE# |
|--|--------------------|--|--|---|---|---|---|-----------------------|
| 2 4 1 2 17 | 1 12 | 2 1 3 1 1 | 1 1 3 1 | 1 1 1 1 1 | 1 1 6 1 | 3 1 1 1 1 | 1 1 1 1 | Mo PPM |
| 70 <u>147</u> 30 <u>62</u> 63 | | 36 26 48 78 57 | 24 32 33 26 23 | 26 46 19 29 35 | 28 21 39 105 45 | 40 32 37 29 40 | 38 28 27 24 33 | Cu PPM |
| 22 15 2 41 39 | 9 8 | 50 12 89 4 11 | 5 8 17 20 11 | 2 7 6 3 6 | 7 3 5 23 7 | 5 6 6 3 | 7 3 3 7 | Pb PPM |
| 361 208 56 209 132 | 78 549 | 149 65 240 61 288 | 29 60 72 84 64 | 49 82 34 77 77 | 59 45 77 237 90 | 57 97 105 58 49 | 76 44 52 52 95 | Zn PP M |
| .3 .5 .2 .5 7.1 | .2 1.5 | 3.3 .1 2.7 .9 .5 | .1 .1 .1 .1 .6 | .1 .1 .1 .1 .2 | .4 .6 1.1 1.1 .3 | .7 1.9 3.3 1.1 .2 | .3 .3 .1 .3 3.2 | Ag PPM |
| 7 | 8 70 | 14 8 14 43 29 | 11 13 13 6 4 | 9 12 5 11 16 | 14 17 19 61 20 | 16 15 21 16 27 | 34 13 10 14 17 | Ni PPM |
| 22 9 11 | 13 | 8 | 11 | | 8 11 20 | | 8 7 | Co PPM |
| 889 | 587 692 | 734 445 1076 448 867 | 220 441 455 629 304 | 248 | 337 539 869 | 890 424 | 490 376 412 405 659 | Hn PPM |
| 3.80 <u>5.53</u> 2.23 <u>2.76</u> 3.98 | 3.82 | 2.25 2.48 3.57 4.18 3.67 | 4.70 4.69 1.69 2.91 1.06 | 3.47 3.61 2.66 3.50 5.34 | 2.97 3.13 3.63 4.53 5.52 | 8.35 3.23 3.88 3.94 2.59 | 3.28 2.73 2.45 2.26 3.45 | Fe X |
| 21 17 5 9 38 | 3 21 | 27 2 19 3 10 | 3 4 5 5 14 | 2 3 3 2 2 | 2 2 22 22 5 | 14 2 2 3 6 | 2 3 2 2 2 | As PPM |
| 5 5 5 17 | 5 | 5 5 5 5 5 5 | 5 13 5 5 5 | 5 5 5 5 5 | 5 5 5 5 5 | 5 16 5 5 5 | 5 5 5 5 5 | U PPM |
| ND ND ND ND 7 | ND ND | ND ND ND ND ND | nd Nd Nd Nd Nd | ND ND ND ND | nd Nd Nd Nd Nd | ND ND ND ND ND | ND ND ND ND ND | AU PPH |
| 1 1 1 7 37 | 5 1 | 5 6 7 1 | 4 4 1 6 1 | 2 1 2 1 2 | 1 3 1 1 2 | 8 1 2 3 | 1 3 2 2 1 | Th PPM |
| 42 <u>48</u> 86 <u>153</u> 48 | 54 126 | 138 34 54 80 44 | 25 40 154 37 220 | 30 35 38 36 38 | 37 32 44 63 42 | 46 55 56 36 60 | 59 43 51 46 56 | Sr PPM |
| 3 2 1 2 18 | 1 8 | 2 1 2 1 2 | 1 1 1 1 1 | 1 1 1 1 1 | 1 1 1 2 1 | 1 1 1 1 1 | 1 1 1 1 | Cd PPM |
| 2 2 2 | 3 | 2 2 2 | 2 2 2 | 2 | 2 2 2 2 2 | 2 2 2 2 2 | 2 2 2 2 2 | SD PPM |
| 2 2 2 2 19 | 2 | 2 2 2 2 2 | 2 2 2 2 2 | 2 2 2 2 2 | 2 2 2 2 2 | 2 2 3 3 | 3 3 2 3 | Bi PPM |
| <u>70</u> 48 <u>38</u> | 127 | 47 50 112 | 50 | 88 95 67 87 133 | 70 78 84 93 131 | 209 68 81 95 62 | 51 | V PPM |
| <u>1.14</u> 4.03 <u>11.99</u> | 2.17 | 1.80 | .98 11.13 .82 | 1.16 1.07 .80 | .68 .99 1.04 | 1.09 | 1.39 1.55 1.77 1.34 1.06 | Ca % |
| .123 .189 .059 .080 .089 | .108 | .092 .130 .103 .614 .118 | .099 .096 .074 .120 .063 | .094 .106 .083 .084 .118 | .089 .080 .098 .119 .119 | .109 .088 | .096 .093 .083 | P X |
| | 13 7 | 11 13 15 9 7 | 17 14 8 16 6 | 11 10 12 9 12 | 11 11 12 7 12 | 23 12 12 12 10 | 10 12 9 8 10 | La PP N |
| 17 18 | 11 31 | | 21 28 18 8 5 | 16 22 12 18 27 | 20 25 26 75 31 | 38 26 28 24 40 | 35 19 17 19 23 | Cr PPM |
| 1.02 .68 | .73 | .71 .63 .93 1.84 1.09 | .39 .63 .48 .74 .51 | .58 .80 .37 .71 1.10 | .54 .44 .79 1.66 .88 | .49 .93 1.13 .62 .89 | 1.38 .53 .64 .75 .93 | Mg X |
| 112 62 92 146 176 | 106 115 | 110 73 147 215 150 | 84 98 49 78 33 | 102 141 77 128 182 | 129 83 174 370 152 | 74 182 200 121 96 | 179 100 111 105 205 | Ba PPM |
| | .08 .07 | .04 .08 .08 .13 .11 | .06 .07 .06 .09 .03 | .08 .09 .06 .08 .12 | .06 .06 .08 .12 .11 | .06 .07 .09 .07 .07 | .13 .07 .07 .07 .09 | Ti X |
| | 4 1. 2 2. | 2 . 2 1. 8 1. 2 2. 4 1. | 21. | 2 1.0 4 1.0 2 . 2 1.0 2 1.0 | 2 1. 3 .4 2 1.5 5 2.3 2 1.6 | 2 .8 2 2.2 3 2.3 2 1.3 2 1.3 | 2 1.7 2 .9 2 1.0 2 1.0 2 1.0 2 1.7 | |
| 71 . 41 . 15 . | 06. | 08 . 43 . 09 . | 14 . 78 . 20 . | 55. 75. 22. | 36. 54. 53. | 6 . 4 . 5 . | 97 .(17 .(13 .(| .t.) X |
| .02 .2 .01 .1 .05 .1 .02 .2 .06 .4 | .02 .0 | .02 .1 .02 .2 .02 .2 .02 .3 .02 .3 | .02 .0 .02 .1 .02 .0 .02 .2 .01 .0 | 03 .1 02 .2 03 .1 02 .1 02 .2 | 02 .1 02 .0 02 .1 03 .3 04 .2 | 02 .0 02 .1 02 .1 02 .1 02 .1 | 04 .22 03 .1 03 .1 03 .1 03 .1 02 .2 | |
| 13 15 25 | 4 | 20 21 35 = = | 2 8 1 | 2 0 8 | 7 6 5 | 4 · 7 2 · | 3 6 6 . | |
| 1 8 7 19 1 2 2 40 13 48 | 5 3 1 7 | 1 26 1 20 3 31 1 3 2 3 | 1 2 1 2 2 7 1 5 1 4 | 1 4 1 9 1 5 1 4 2 2 | 1 940 1 13 1 1020 1 15 1 4 | 1 250 1 5 1 20 1 3 4 60 | 1.5 2.4 2.17 1.3 1.7 | W Au* M PPB |

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| SAMPLE# | Ho PPH | Cu PPM | РЬ РРМ | Zn PPM | Ag PPM | Ni PPM | Co PPM | Hn PPM | Fe % | As PPM | U PPM | Au PPM | Th PPM | Sr PP m | Cd PPM | SD PPM | Bi PPM | V PPM | Ca X | P X | La PPM | Cr PPM | Mg X | Ba PPM | Ti X | B PPM | Al X | Na X | K X | W PPM | Au* PPE |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-------------------|------------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|--------------|------------|
| SNS-05-5 | 1 | 50 | 14 | 144 | .4 | 21 | 26 | 1618 | 8.30 | 2 | 5 | ND | 3 | 45 | 1 | 7 | 2 | 150 | 1.02 | .170 | 13 | 72 | 2.60 | 354 | .21 | 5 | 3.68 | .02 | 1.04 | . 1 | 7 |
| SNS-06-S | 2 | 26 | 21 | 146 | 5 | 8 | 15 | 1513 | 7.33 | 9 | 6 | ND | 9 | 24 | ંા | 5 | 2 | 98 | 1.11 | .197 | 29 | 27 | 1.28 | 244 | 12 | . 2 | 2.01 | .01 | .41 | 8 | 85 |
| SNS-07-5 | 1 | 42 | 11 | 142 | .4 | 11 | 18 | 1422 | 8.71 | 2 | 5 | ND | 7 | 37 | 1 _ | 6 | 2 | 125 | 1.31 | .385 | 30 | - 34 | 1.73 | 370 | 18 | 2 | 3.00 | .02 | .80 | 2 | ε |
| SNS-08-5 | 1 | 42 | 7 | 54 | .4 | 27 | - 14 | 297 | 3.17 | 18 | 5 | ND | 1 | 81 | 1 | 4 | 2 | 53 | 4.66 | .067 | 6 | 20 | .73 | 84 | .07 | 9 | 1.35 | .05 | .15 | 1 | 2 |
| SNS-09-5 | 1 | 34 | 7 | 107 | .3 | 11 | 16 | 1124 | 7.03 | 2 | 5 | ND | 5 | 34 | 1 | 5 | 2 | 126 | -86 | .210 | 21 | 31 | 1.54 | 369 | .16 | 2 | 2.44 | .02 | .61 | : 1 . | 15 |
| SNS-10-5 | . 1 | 34 | 9 | 52 | .3 | 20 | 9 | 338 | 2.39 | 12 | 5 | ND | 1 | 90 | 1 | 2 | 2 | 42 | 6.19 | .064 | 5 | 18 | .73 | 91 | .07 | 3 | 1.26 | .04 | . 14 | 1 | 4 |
| C6+00M 1+72E | 3 | 754 | 21 | 158 | 7 | 31 | 33 | 1105 | 5.31 | 44 | 5 | ND | 1 | 122 | 1 | 2 | 3 | 67 | 1.16 | .154 | 7 | 23 | .90 | 81 | .06 | 2 | 1,19 | .01 | .14 | 1 | 53 |
| C6+00M 4+34E | 2 | 248 | 13 | 93 | -4 | 9 | 20 | 1057 | 5.92 | 48 | 5 | ND | 2 | 353 | 1 | 5 | 2 | 185 | 3.84 | .306 | 15 | 14 | 1.30 | 69 | .09 | 3 | 1.58 | .01 | .52 | f | 10 |
| C6+00M 5+05E | 4 | 155 | 28 | 127 | .6 | 20 | 24 | 1257 | 8.08 | 92 | 5 | ND | 1 | 360 | 1 | 5 | 2 | 171 | 2.86 | .252 | 15 | 21 | 1.57 | 131 | .08 | 2 | 1.56 | .01 | .40 | < 12 | 5 |
| STD C/AU-S | 18 | 61 | 41 | 133 | 7.3 | 69 | 31 | 1030 | 4.20 | 42 | 22 | 7 | 36 | 47 | 20 | 14 | 24 | 60 | .48 | _098 | 38 | 55 | .89 | 175 | •06 | 36 | 1.99 | .06 | .13 | 13 | 47 |

APPENDIX II ROCK SAMPLE DESCRIPTIONS

| Sample No. | Sample Description |
|--------------------|---|
| SNS-02-R | Grab of float from glacier terminal moraine. Mineralized 15cm quartz vein and phyllite. Vein is clear, coarsely crystalline and mineralized with trace pyrrhotite and pyrite. Mineralization extends into wallrock. |
| SNS-03-R | Grab of sericitized mineralized mafic monzonite (?), with irregular discontinuous lenses of quartz and iron staining. Trace pyrite. |
| SNS-11-R | Float sample of mineralized quartz vein in granodiorite. Both the vein and the granodiorite contains trace pyrite. |
| SNS-12-R,23-R | Grab sample of granodiorite mineralized with trace pyrite. |
| SN-W-01 | Rusty vein (approximately 40cm wide) located in metamorphosed limestone bed (330/60N). Vein mineralized with pyrite, chalcopyrite and sphalerite. |
| SN-W-02 | Highly chloritic vein in limestone. Vein is 25cm wide and has >1% pyrrhotite. |
| SN-W-03 | 25cm wide vein in limestone with higher silica content than previous veins. Contains >1% pyrrhotite. |
| SN-W-04 | 60cm wide vein in limestone, chloritic and trace pyrrhotite. |
| SN-W-05 | Im wide fine grained chloritic vein in limestone with trace pyrrhotite. |
| SN-W-06 SN-W-07 | <pre>1m wide diorite dyke. No apparent mineralization. Slightly folded unit of limy argillite with trace pyrrhotite.</pre> |
| SN-W-08 | Float sample of felsic rock. |
| SN-W-09 | 1.5m wide mafic dyke (350/60N) with trace pyrite. |
| SN-W-10 | Chloritic porphyritic felsic dyke (360/60N) with trace pyrite. |
| SN-W-11 | Same as SN-W-10 with higher silica content. |
| SN-W-12 | Sample of barren diorite unit. |
| SN-W-13 | Banded argillite unit with trace pyrite. |
| SN-W-14 | Sample of gabbro with carbonate veinlets. |
| SN-W-15 | Barren diorite with carbonate veinlets. |

