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DIAMOND DRILLING REPORT

on the

STIRLING GROUP

(Diane 1 - 5 mineral claims)

NICOLA MINING DIVISION

GEOLOGICAL BRANCH
BRITISH COLUMBIA ASSESSMENT REPORT

NTS 92 I/2

Latitude: 50° 02'
Longitude: 120° 47' W

17,721

Owner: **Abermin Copropation**
1500-1075 West Georgia Street
Vancouver, B.C.
V6E 3C9

Operator: **Merlin Resources Inc.**
700-625 Howe Street
Vancouver, B.C.
V6C 2T6

FILMED

Consultants: **Searchlight Resources Inc.**
218-744 West Hastings Street
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Submitted: July 20, 1988

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INTRODUCTION

The Stirling Group comprises five modified grid mineral claims situated on the southwest flanks of Iron Mountain, approximately eight kilometers south of Merritt, British Columbia.

Although the Iron Mountain area has had an extensive exploration history dating back to 1896, it was not until 1981 that results from a regional reconnaissance geochemical program led to the staking of the present claim group and the eventual discovery of in-situ mineralization near Stirling Creek. Subsequent work, including prospecting, geophysics, geochemistry, geological mapping and trenching has been successful in outlining several zones of significant base-precious metal mineralization.

The work undertaken as part of the 1988 assessment program was carried out in three stages between October, 1987 and May, 1988 and forms the basis of this report.

Location and Access

The Diane claims are located on NTS map 92 I/2 near 50° 02' north latitude, 120° 47' west longitude in the Nicola Mining Division of British Columbia (Figure 1). The property is situated approximately 8 kilometers south of Merritt, B.C. (population 7000), a growing sawmill and ranching center located 275 kilometers from Vancouver via the recently completed Coquihalla Highway. This four lane highway cuts across the Diane 1 claim, but does not provide direct access to the current workings.

Access to the property can best be gained south of Merritt on Coldwater road for a distance of 5.2 kilometers, thence south on Veale road (Gwen Lake road) for seven kilometers. At this point, the road forks to the left. Approximately 0.8 kilometers further, the road forks again. The left fork winds northward through the Diane 1 and 2 claims and was constructed to provide access to the *Original Zone* on the southwest flank of the mountain. This steep road, known as the Aberford road, is relatively rough and should only be travelled using four-wheel drive vehicles. The right fork crosses through the Diane 2, 3 and 5 claims, eventually leading to the microwave and television antennas at the summit of Iron Mountain.



MERLIN RESOURCES INC.

STIRLING GROUP (DIANE 1-5)

NICOLA MINING DIVISION, B. C.

LOCATION MAP

SEARCHLIGHT RESOURCES INC.

DATE:
JUNE, 1988

SCALE:
1:8,000,000

FIGURE No.
1

Physiography, Vegetation and Climate

The Stirling Group is situated at the western edge of the Interior Plateau in an area characterized by moderate to steep relief ranging from 760 meters along the Coldwater River to over 1693 meters atop Iron Mountain. The claims lie on the south and west flanks of Iron Mountain, an upland feature of the Douglas Plateau.

The majority of the property lies within the Interior Douglas fir biogeoclimatic zone which is characterized by low precipitation (average 307 millimeters/year), hot summers and cool winters. Vegetation indigenous to the area includes Douglas fir, ponderosa pine, spruce, lodgepole pine, aspen, western white pine, black cottonwood and common paper birch. The mountain is moderately forested, with denser growth more common on the steeper northwestern side. The gentler southern flanks have been largely logged over the past century, encouraging extensive secondary growth.

Property and Ownership

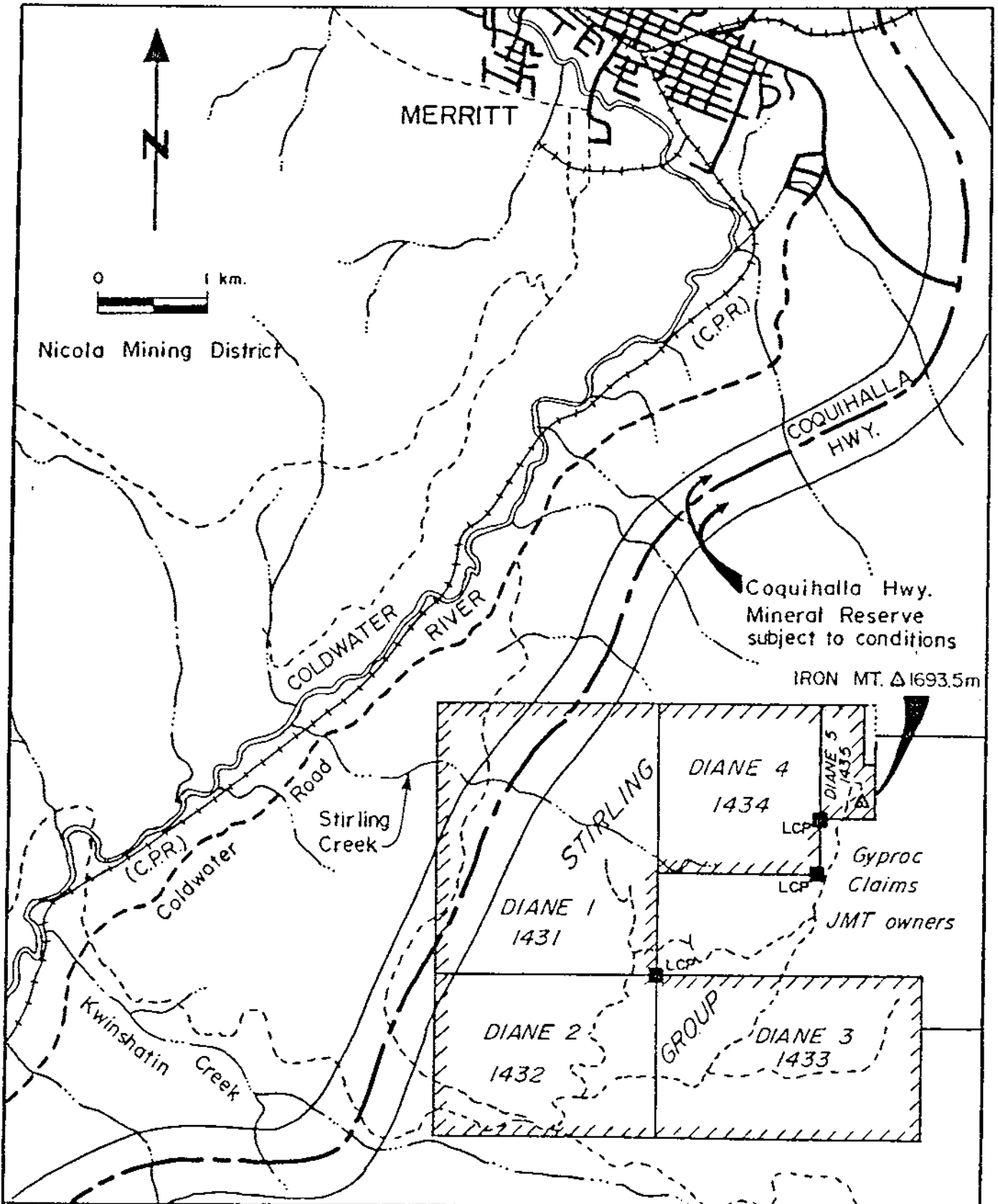
The Stirling Group comprises five modified grid mineral claims totaling 58 units, all located in the Nicola Mining Division between the 14th and 21st of July 1983 (Figure 2). The claims are presently owned by Abermin Corporation of Vancouver and are grouped as the Stirling Group. Pertinent information regarding the group is summarized below:

Table 1
Claim Data

Claim Name	Units	Record Number	Record Date	Expiry*
Diane 1	20	1431	Aug. 2, 1983	1996
Diane 2	12	1432	Aug. 2, 1983	1996
Diane 3	15	1433	Aug. 2, 1983	1996
Diane 4	9	1434	Aug. 2, 1983	1996
Diane 5	2	1435	Aug. 2, 1983	1996

* when the work detailed in this report is accepted.

Merlin Resources Inc. of Vancouver, formerly Calias Resources Inc., has entered into an option agreement with Abermin whereby it has the right to earn an interest in the property.



MERLIN RESOURCES INC.		
STIRLING GROUP (DIANE 1-5)		
NICOLA MINING DIVISION, B. C.		
CLAIM LOCATION MAP		
SEARCHLIGHT RESOURCES INC.		
DATE:	SCALE:	FIGURE No.
JUNE, 1988	1:50,000	2

History and Previous Work

The earliest exploration reported in the Iron Mountain area took place around the turn of the century in the area now encompassed by the Fierro 3 claim. This work focused on base metal mineralization occurring as stringers and blebs in andesitic flows and pyroclastics and culminated in the sinking of three shafts, the Charmer, the Islander and the Victoria in 1896.

Subsequent development in the area does not appear to have occurred until 1927 when Emmitt Todd located a galena-sphalerite-barite vein along a sediment/rhyolite contact 1.1 kilometers northeast of the Charmer shaft. Local silver and copper mineralization was also reported. A 32 meter shaft known as the Leadville was sunk in the following year, but it was not until 1947 that any production occurred. In that year, 36 tons of ore containing 67 ounces of silver, 11,810 pounds of lead and 484 pounds of zinc was shipped to Trail.

In 1951, Granby Consolidated Mining and Smelting Power Company Limited optioned the Leadville property and dewatered the shaft. No further work was undertaken until 1958 when diamond drilling was performed north of the Leadville by New Jersey Zinc.

By 1961, local interests began development around the Charmer and Islander shafts. This work included extensive trenching, stripping and sampling. Five years later, Manor Mines drilled two holes near the Leadville shaft.

Between 1968 and 1974, Acoplomo Mining and Development Company Ltd. of Merritt staked the Makelstin claims over the south slopes of Iron Mountain and conducted a program of linecutting, geophysics, geochemistry, geological mapping, prospecting, trenching and approximately 200 meters of diamond drilling. The claims were subsequently allowed to lapse.

The ground was again staked two years later by Quintana Mineral Corp. who conducted a short program of geochemistry and geology.

Between 1979 and 1981, JMT restaked the area surrounding the original workings as the Gyproc Group and conducted an exploration program for Chevron Minerals Ltd., who subsequently relinquished their option.

In 1983, Aberford Resources Ltd. located the Diane 1 - 5 claims west of the Gyproc Group based on anomalous results from a regional reconnaissance geochemical program. Subsequent work, including prospecting, geological mapping and geochemistry was successful in outlining seven areas of mineralization. The 1984 exploration program on the Diane claims (Stirling Group) was conducted by Kidd Creek Mines Ltd. and included ground geophysics and soil and rock geochemistry along four kilometers of cut line. An orthophoto base map of the property at a scale of 1:5000 was also prepared to provide better control. The results from these surveys were inconclusive, but did suggest additional work was warranted.

In 1986, International Maple Leaf Resource Corp. entered into an option agreement with Abermin Corporation (formerly Aberford Resources Ltd.). Under the terms of the agreement, Maple Leaf undertook a program of soil and rock geochemistry, geological mapping, prospecting and extensive trenching. The program also included linecutting and road building and was carried out by Orequest Consultants Ltd. of Vancouver. A separate airborne geophysical survey was also conducted by Aerodat Ltd. of Mississauga, Ontario. The ground surveys were successful in defining a significant zone of gold-copper mineralization on which further work was recommended.

Summary of Work

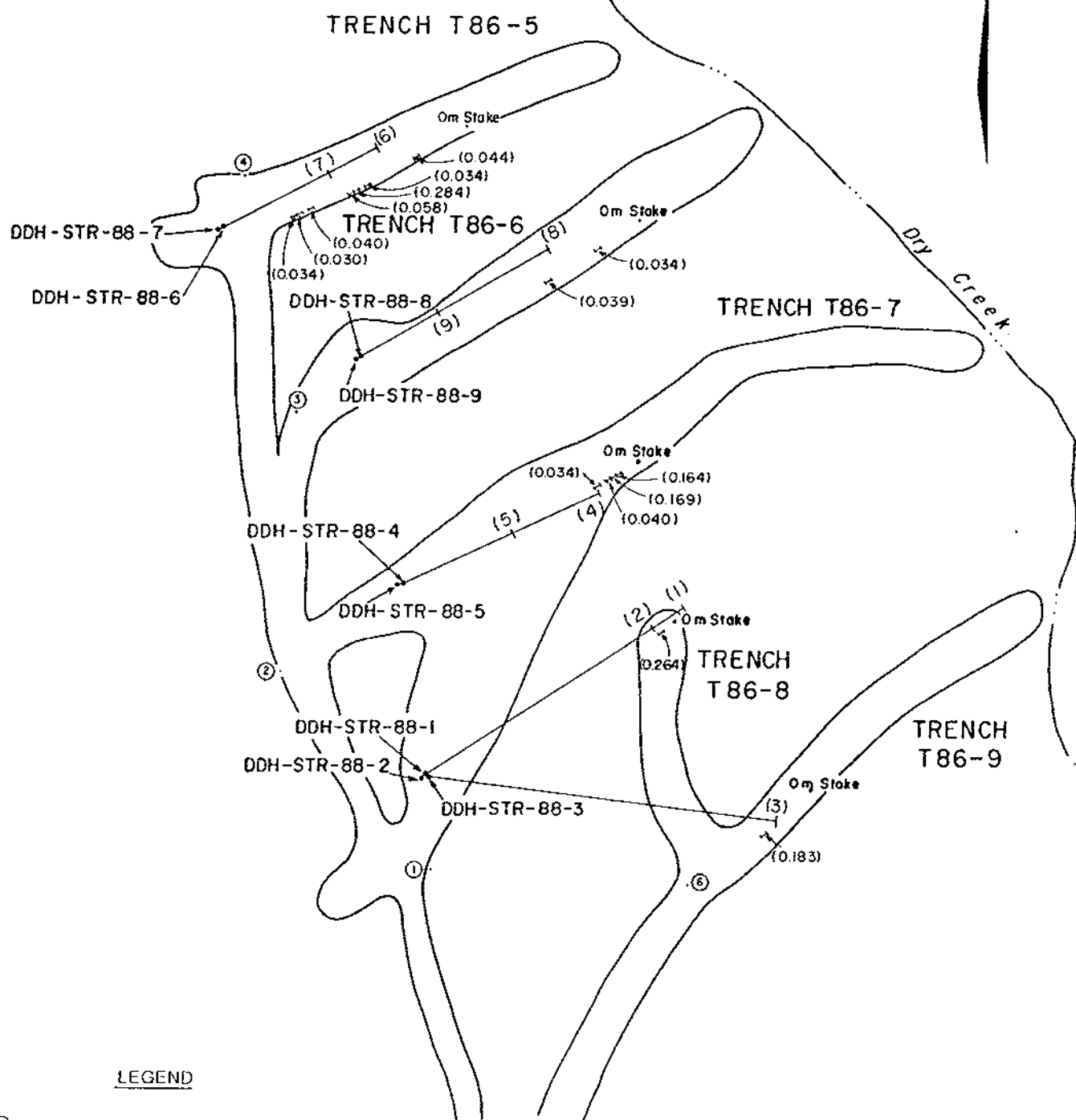
The 1988 assessment program on the Stirling property was carried out in three stages between October, 1987 and May, 1988 and focused on the *Original Zone*, located entirely within the Diane 1 claim. To facilitate work in this zone, the Aberford road was up-graded and several new sections added in order to provide better all-weather access. In addition, limited cat trenching was undertaken southeast of the zone in order to locate extensions of the mineralization (Figure 5).

In order to test the mineralized trend within the *Original Zone*, nine diamond drill holes were completed from four pads established west of the trenches excavated in 1986 (Figure 3). The drilling was accomplished using a Longyear 38 drill, producing NQ (47.6 millimeter) core. This core is currently being stored at a private residence in Merritt. Core logs appear in Appendix C and a summary of the drill hole data appears below:

Table 2
Drill Hole Summary

DRILL HOLE	ELEVATION (meters)	AZIMUTH	DIP	LENGTH (meters)
STR-88-1	1369.5	057 ⁰	-42 ⁰	68.28
STR-88-2	1369.5	057 ⁰	-54 ⁰	76.96
STR-88-3	1369.5	097 ⁰	-50 ⁰	90.83
STR-88-4	1363.5	065 ⁰	-51 ⁰	56.69
STR-88-5	1363.5	065 ⁰	-64 ⁰	47.83
STR-88-6	1345.0	062 ⁰	-60 ⁰	56.69
STR-88-7	1345.0	062 ⁰	-75 ⁰	80.16
STR-88-8	1354.0	060 ⁰	-50 ⁰	55.47
STR-88-9	1354.0	060 ⁰	-65 ⁰	37.03
TOTAL				569.94

All of the collars were tied into survey stations established along the access road. The upper portions of this road was surveyed so that the *Original Zone* could be better located on the Iron Mountain orthophotos produced by Kidd Creek Mines Ltd in 1984 (Figure 6).



LEGEND

- ④ Survey Hub
- Road/Trench
- 1986 Channel sample (oz./t Au across 1 metre)
(plotted only if ≥ 0.030 oz./t Au)
- (7) Horizontal component of hole STR-88-7



MERLIN RESOURCES INC.		
STIRLING GROUP (DIANE 1 - 5)		
NICOLA MINING DIVISION, B. C.		
DIAMOND DRILL HOLE LOCATIONS		
(WITH 1986 CHANNEL SAMPLE RESULTS)		
SEARCHLIGHT RESOURCES INC.		
DATE: JUNE, 1988	SCALE: 1:1000	FIGURE No. 3

In total, 101 core samples were submitted for analysis to Chemex Labs and nine channel samples were submitted to Bondar-Clegg & Company, both of North Vancouver, B.C. The latter samples were taken from the east end of trench T 86-5 (Figure 5), as well as from extensions of the *Original Zone* to the southeast (Figure 6). All of these samples were analyzed for gold and silver. In addition, the core samples were also analyzed for copper. Assay certificates appear in Appendix A and a description of the various sample analysis techniques appears in Appendix B. Two samples, designated TS-1 and #1 were also sent to Vancouver Petrographics of Fort Langley, B.C. for thin section description. The petrological report appears in Appendix D.

REGIONAL GEOLOGY

The Diane claims are underlain by a northeasterly trending belt of marine and continental volcanic and sedimentary rocks belonging to the Upper Triassic Nicola Group. These rocks have been effectively divided into three subparallel belts by two persistent northerly trending, high angle fault systems, the Summers-Alleyene Creek system to the east and the Allison system to the west. These belts contain rocks of similar composition and mode of origin but varied lithology.

The Central Belt is dominated by alkaline and calc-alkaline volcanic and intrusive rocks with associated sedimentary units and is the oldest of the three belts.

The Eastern Belt consists of a north striking sequence of volcanically derived sediments with local alkaline flows occurring near stocks of micromonzonite porphyry.

The Western Belt, in which the Stirling Group is wholly situated, comprises an east to southeasterly facing sequence of calc-alkaline flows that grade upward into pyroclastic rocks, epiclastic sediments and abundant limestone (Preto, 1979). These rocks are chiefly andesites, but range compositionally from basalt to rhyolite and vary from aphanitic to coarsely porphyritic. The pyroclastic members include tuff, lapilli tuff, breccia and tuff breccia, and are intimately associated with the flows. Local calcareous marine sedimentary members, chiefly limestone with lesser argillite and conglomerate, also occur within the group. These rocks represent some of the youngest rocks in the Nicola Group.

Structurally, the rocks belonging to the West Belt trend north to northeasterly and dip steeply to the east. Although folding is difficult to demonstrate, the recurrence of calcareous sedimentary rocks three kilometers east of Iron Mountain suggests that large scale folding related to the emplacement of the Guichon Creek and Nicola batholiths did occur.

A variety of plutonic rocks of Upper Triassic age are intrusive into the various members of the Nicola Group.

Overlying the Nicola rocks, either unconformably or in fault contact, north and east of Iron Mountain are younger volcanic and sedimentary rocks ranging in age from Lower-Middle Jurassic to Recent.

LOCAL GEOLOGY

Lithology

Recent geological mapping undertaken on the property revealed the presence of a complicated basal package of aphanitic, amygdaloidal and porphyritic flows and pyroclastic rocks of intermediate composition deposited in marine conditions. These rocks are overlain by a transitional sequence of intermediate to felsic flows and pyroclastics with local fossiliferous limestone and limy sediment interbeds and minor lenses of banded jasper (Cavey et al, 1986). These individual members form part of the Upper Triassic Nicola Group, which underlies much of the Iron Mountain area.

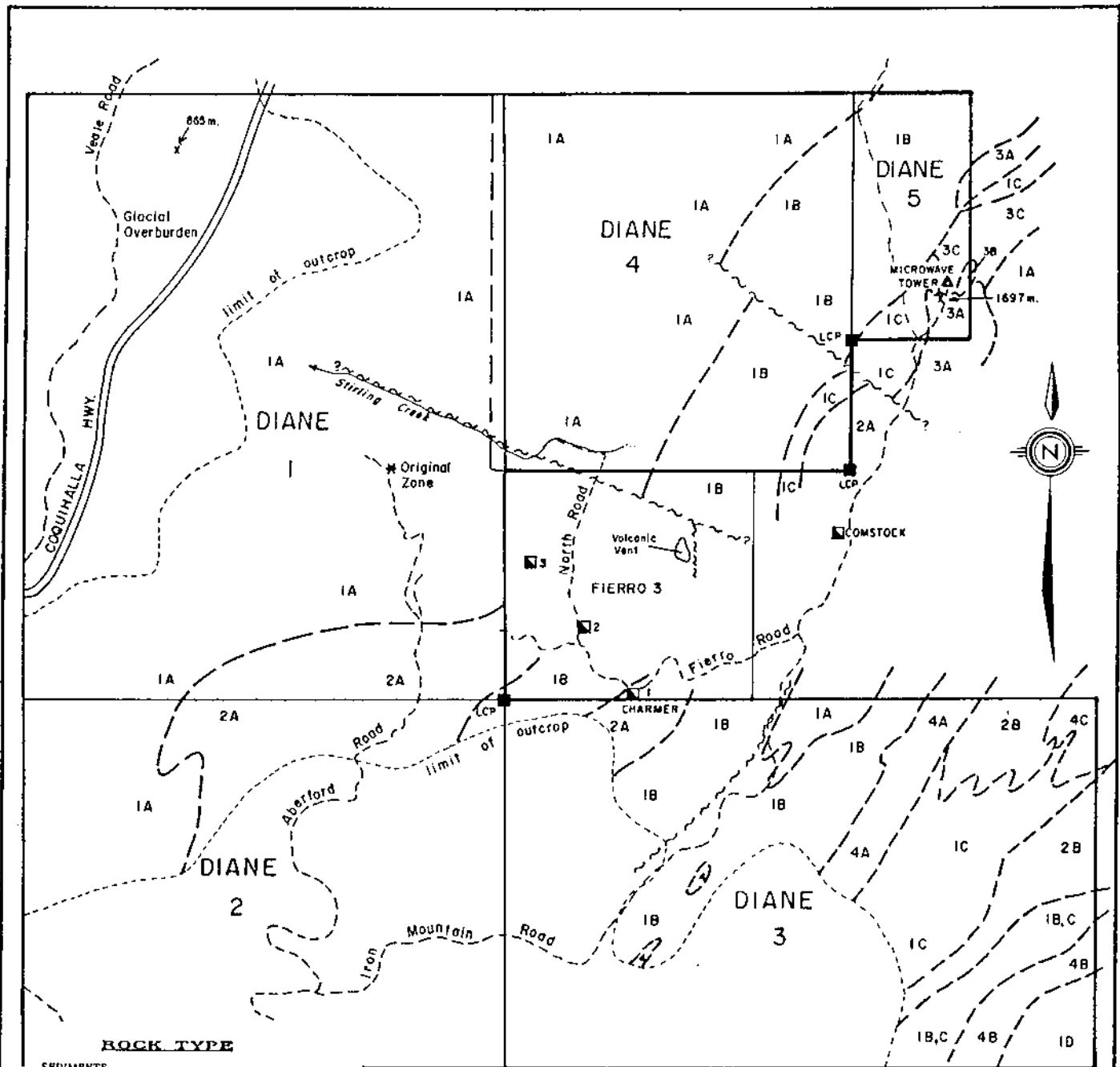
In order to facilitate mapping on the property, the rocks were divided into four units according to their chemical composition and then subdivided on the basis of texture, resulting in twelve distinct rock types (Figure 4).

The rocks exposed on the property are not, in general, strongly altered but have undergone lower greenschist facies metamorphism, chlorite, epidote, sericite and carbonate being the most common products. Hydrothermal alteration, as evidenced by locally intense sericitization and silicification, has been exposed in several locations, most notably in the *Original Zone*.

Structure

While individual strata generally lack defined lithological contacts and lateral continuity, local structural features suggest the rocks strike north-northeast with variable southeast dip. Gentle, large scale folding of the rocks is also apparent.

Two sets of northeasterly and northwesterly trending fault have been defined by both geological mapping and airborne geophysics carried out over the property. The northwesterly faults all have physiographic expressions in the creeks on the northwest flanks of Iron Mountain, most notably in the property's main drainage, Stirling Creek.



ROCK TYPE

SEDIMENTS

- Limestones and Limey Sediments**
 4A dark grey fossiliferous crystalline limestone
 4B grey to greywhite crystalline limestone
 4C dark grey crystalline limestone and medium grained limey sediments ± minor intercalated green lapilli tuff

VOLCANICS

Mixed Rhyolite to Rhyodacite Flows and Minor Tuffs

- 3A dark purple to grey-black porphyritic rhyodacite flows and minor tuffs
 3B bleached tan aphanitic flow-banded rhyolite
 3C rhyodacite tuffs to lapilli tuff with minor porphyritic rhyodacite flows

Mixed Dacite to Rhyolite Flows and Pyroclastics

- 2A pink to purple-grey aphanitic dacitic to rhyolitic tuffs and flows
 2B green porphyritic dacite

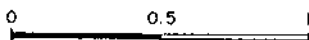
Mixed Andesite Flows and Pyroclastics

- 1A dark green to grey-black, porphyritic, aphanitic and minor amygdaloidal andesite flows with minor intercalated andesite lithic tuffs, lapilli tuffs and breccia
 1B purple and green heterolithic andesitic lapilli tuffs, tuffs and breccia with minor intercalated dark green porphyritic ± amygdaloidal andesite flows
 1C tan to light green homolithic lapilli tuff / tuff breccia with glassy andesitic matrix, possibly auto brecciated flow
 1D dark purple heterolithic tuff breccia / agglomerate

LEGEND

- Geological contact, assumed
 ~~~ Fault  
 ■ Shaft  
 - - - Road  
 | Claim boundaries  
 x Spot elevation

KILOMETRES



MERLIN RESOURCES INC.

STIRLING GROUP (DIANE 1-5)

NICOLA MINING DIVISION, B. C.

LOCAL GEOLOGY

SEARCHLIGHT RESOURCES INC.

DATE: JUNE, 1988

SCALE: 1:25,000

FIGURE No. 4

## Mineralization

Massive hematite, controlled by and localized in fractures and occurring in association with limonite and malachite, is the predominant mineralization exposed on the property to date. Both the limonite and malachite appear to be secondary after pyrite and chalcopryrite, which have also been observed locally. Fracture intensity appears to have determined both the distribution of this hydrothermal mineralization and the amount of alteration in the host rock. At present, seven mineralized zones have been located on the property. The majority of these zones follow the northwesterly fracture set and are thus perpendicular to the local geology.

In several locations, late stage quartz-hematite-limonite veining has been superimposed on the massive hematite mineralization. The width and continuity of this veining vary along strike, but appear to be strongest where fracturing in the volcanics is most intense. The emplacement of this mineralization, which is locally auriferous, has not had a significant effect on the massive hematite, although it has resulted in the intense alteration of the surrounding rocks.

The *Original Zone*, where trenching has exposed fault controlled massive hematite-limonite +/- malachite mineralization over a distance of approximately 250 meters, is the only location where gold has been located to date. This mineralization is hosted by andesitic flows and pyroclastics and strikes between 133° and 143°, with steep southwest dip. The mineralized trend varies up to several meters in width and appears to splay into several thinner zones to the north.

Between trenches T 86-5 and 9, discontinuous zones of auriferous quartz veining hosting iron oxides with lesser chlorite and sericite has been defined within this trend. The emplacement of this mineralization, from which assays varying up to 0.284 oz/t gold over widths of one to two meters, appears to have resulted in the pervasive silicification of the host volcanics.

Thin section analysis of mineralization within the zone exposed in Trench T 86-8 identified the vein material as banded layers of fine to very fine grained quartz (with lesser chlorite) and hematite, individually up to 1.5 millimeters thick. Limonite, with quartz, occurs as wispy late stage veinlets and rare patches. Several 0.01 to 0.02 millimeters grains of native gold were also observed in association with the limonite.



## RESULTS AND INTERPRETATIONS

Although extensions of the mineralized zone(s) exposed in trenches T 86-5 to 9 in the *Original Zone* were encountered at depth in all nine diamond drill holes, only one intersection carried significant gold or silver values. This intersection, at a depth of 59 meters (193 feet) in hole STR-88-1, averaged 15.56 grams/tonne (0.454 ounces/ton) gold and 16.43 grams/tonne (0.479 ounces/ton) silver across 1.38 meters (4.5 feet). The first half of the zone is dominated by quartz and silicified volcanics with widespread limonite boxwork. The second half comprises approximately 50% specular hematite with soft chloritic volcanics and patches of pyrite and limonite (after pyrite).

A petrological report describing a sample from the beginning of the auriferous interval in diamond drill hole STR-88-1 describes the vein as being dominated by fine grained quartz and coarser quartz within a cherty interstitial phase. The latter is locally dusted with extremely fine grained sericite, which also occurs with minor clay as scattered wisps and segregations. Primary hematite, which occurs as disseminated acicular or flaky grains, and limonite, which occurs as crustified coatings on fractures and as intergranular patches, together account for less than 5% of the vein. Minute grains of chalcopyrite were also observed. No visible gold, however, was noted in this sample.

Samples across intersections in the other holes, while hosting significant quantities of iron and copper oxide mineralization, generally lacked strong quartz veining and returned only sub-anomalous precious metal values. The following table summarizes some of the better intersections encountered in these holes:

**Table 3**  
**Selected Drill Hole Results**

| DRILL HOLE | INTERSECTION<br>(meters) | LENGTH<br>(m) | SAMPLE | g/T Au | g/T Ag | ppm Cu |
|------------|--------------------------|---------------|--------|--------|--------|--------|
| STR-88-1   | 58.97 - 59.73            | 0.76          | 97352  | 24.70  | 22.50  | 1700   |
| STR-88-1   | 59.73 - 60.35            | 0.62          | 97352  | 4.36   | 9.00   | 3900   |
| STR-88-2   | 61.08 - 61.99            | 0.91          | 97364  | 4.80   | 19.50  | 3500   |
| STR-88-2   | 61.99 - 62.90            | 0.91          | 97365  | 2.74   | 11.80  | 1650   |
| STR-88-2   | 72.73 - 73.73            | 1.00          | 97365  | 0.14   | 4.30   | 10000  |
| STR-88-3   | 82.30 - 83.82            | 1.52          | 97385  | 0.69   | 5.00   | 2380   |
| STR-88-4   | 38.10 - 39.01            | 0.91          | 97392  | 0.48   | 9.00   | 7860   |
| STR-88-4   | 39.01 - 39.93            | 0.92          | 97393  | 0.48   | 7.00   | 9700   |
| STR-88-4   | 39.93 - 40.54            | 0.61          | 97394  | 1.10   | 8.30   | 10000  |
| STR-88-4   | 40.54 - 42.06            | 1.52          | 97395  | 1.17   | 10.00  | 6820   |
| STR-88-4   | 42.98 - 44.20            | 1.22          | 97397  | 0.34   | 8.30   | 7200   |
| STR-88-6   | 13.72 - 14.63            | 0.91          | 97409  | 0.41   | 7.30   | 5680   |
| STR-88-7   | 15.24 - 16.46            | 1.22          | 97420  | 0.41   | 9.80   | 10000  |
| STR-88-7   | 16.46 - 17.68            | 1.22          | 97421  | 0.55   | 8.30   | 4880   |
| STR-88-8   | 12.95 - 14.48            | 1.53          | 97432  | 1.85   | 5.00   | 2490   |
| STR-88-8   | 14.48 - 15.70            | 1.22          | 97433  | 1.03   | 8.00   | 2800   |
| STR-88-8   | 15.70 - 17.07            | 1.37          | 97434  | 0.89   | 5.80   | 1650   |
| STR-88-9   | 14.48 - 15.55            | 1.07          | 97447  | 2.06   | 6.00   | 1680   |
| STR-88-9   | 21.95 - 22.86            | 0.91          | 97451  | 0.07   | 8.80   | 6300   |

Note: 34.2857 grams/tonne = 1 ounce/ton and 10,000 ppm = 1%

Some of these results are considered anomalous, but together are too low to indicate potential for development in the area tested. A grab sample taken of quartz veining at the Victoria shaft, approximately 650 meters southeast of and along strike from the *Original Zone*, however, returned values of 56.71 grams/tonne (1.645 ounces/ton) gold and 29.0 parts per million silver (Figure 6). This section of the fault crosses the southwest corner of the Fierro 3 claim before passing back into the Diane claims. Specular hematite mineralization was also encountered on strike and between the *Original Zone* and the Victoria shaft. Samples from this locality were slightly anomalous in gold.

## CONCLUSIONS

The following conclusions have been derived from results of the 1988 assessment program:

1. The fracture system hosting the massive hematite mineralization in the *Original Zone* has been locally superimposed by late stage hydrothermal quartz-hematite-limonite veining. This fracture system, or possibly a related parallel structure, is believed to host the auriferous veining developed in the Victoria Shaft, as well as mineralization exposed in the Charmer and Islander Shafts to the southeast.
2. Although some significant results were obtained, holes drilled along the *Original Zone* appear to have tested the hydrothermal system too far above the precious metal interval or along a section of the fault where controls were not ideal for the deposition of gold mineralization.
3. There is potential for the location of precious/base metal mineralization southeast of and possibly at depth below the *Original Zone*. This potential should be tested by a program of cat trenching, geological mapping, lithogeochemical sampling and eventual diamond drilling.

**COST STATEMENT****October 21st - 28th, 1987.**

## Wages:

|                      |            |
|----------------------|------------|
| D. Nelles:           |            |
| 6 days @ \$267       | \$1,602.00 |
| 0.95 days @ \$229.50 | \$218.02   |
| B. Callaghan         |            |
| 7 days @ \$262.50    | \$1,837.50 |

## Direct Expenses:

|                              |            |
|------------------------------|------------|
| Room and board               | \$677.09   |
| Assays                       |            |
| 9 Au, Ag @ \$14.40           | \$129.60   |
| 1 Au @ \$9.60                | \$9.60     |
| Transportation               | \$878.60   |
| Equipment rental             |            |
| D7 Cat - 21 hours @ \$122.64 | \$2,575.44 |
| Chainsaw - 4 days            | \$67.50    |
| Lowbed                       | \$312.00   |
| Supplies and consumables     | \$17.50    |
| Maps and copying             | \$49.18    |

|                  |                   |
|------------------|-------------------|
| <b>Sub-Total</b> | <b>\$8,374.03</b> |
|------------------|-------------------|

**March 27th - March 30th, 1988.**

## Wages:

|                |            |
|----------------|------------|
| D. Nelles:     |            |
| 4 days @ \$267 | \$1,068.00 |

## Direct Expenses:

|                                      |            |
|--------------------------------------|------------|
| Room and board                       | \$282.71   |
| Transportation                       | \$347.60   |
| Equipment rental                     |            |
| D6 Cat - 25 hours @ \$82.50          | \$2,062.50 |
| Contract labour                      | \$1,100.00 |
| Mobilization/demobilization of drill | \$742.50   |
| Supplies and consumables             | \$151.42   |

|                  |                   |
|------------------|-------------------|
| <b>Sub-Total</b> | <b>\$5,754.73</b> |
|------------------|-------------------|

May 10th - 29th, 1988.

Wages:

|                   |  |            |
|-------------------|--|------------|
| D. Nelles:        |  |            |
| 19.5 days @ \$267 |  | \$5,206.50 |
| B. Crockford      |  |            |
| 3 days @ \$210    |  | \$630.00   |
| T. Bokenfohr      |  |            |
| 1 day @ \$150     |  | \$150.00   |
| K. Nelles         |  |            |
| 1 day @ \$90      |  | \$90.00    |

Direct Costs:

|                             |  |                |
|-----------------------------|--|----------------|
| Drilling (including moving) |  |                |
| 1870 feet                   |  | \$53,435.80    |
| Room and board              |  | \$1,243.37     |
| Analytical expenses         |  |                |
| 101 core samples            |  |                |
| for Au, Ag and Cu           |  | \$2,170.80     |
| Petrographic work           |  |                |
| 2 sections                  |  | \$201.29       |
| Truck rental                |  |                |
| 1 month @ \$900.00          |  | \$900.00       |
| 2 days @ \$50               |  | \$100.00       |
| Transportation              |  | \$791.00       |
| Equipment rental            |  |                |
| Surveying equipment         |  |                |
| 2 days @ \$50               |  | \$100.00       |
| Storage facilities          |  |                |
| 1 month @ \$240             |  | \$240.00       |
| Supplies and consumables    |  | \$247.94       |
| Courier                     |  | \$36.91        |
| Engineering and supervision |  |                |
| F. M. Smith: 3 days @ \$450 |  | 1,350.00       |
| Report preparation          |  |                |
| 5.8 days @ \$229.50         |  | \$1,331.10     |
| Computer & copying          |  | \$300.00       |
| Drafting                    |  |                |
| 10 hrs @ \$30.00            |  | \$300.00       |
| Supplies                    |  | \$40.08        |
| Telephone                   |  | <u>\$65.94</u> |

Sub-total \$68,930.73

**TOTAL EXPENDITURE \$83,059.49**

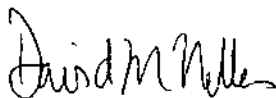
**BIBLIOGRAPHY**

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- Cavey, G., LeBel, L. and Jerema, M., 1986: Report on Detailed Geological, Geochemical and Geophysical Surveys on the Stirling Group for International Maple Leaf Resource Corporation.
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- Preto, V. A., 1979: Geology of the Nicola Group Between Merritt and Princeton, *Ministry of Energy, Mines and Petroleum Resources Bulletin* 69.

## CERTIFICATE OF QUALIFICATIONS

I, David M. Nelles, do hereby certify that:

1. I am a geologist employed by Searchlight Resources Inc. with business offices at #218-744 West Hastings Street, Vancouver, British Columbia.
2. I graduated from the University of British Columbia in 1983 with a Bachelor of Science degree in Geology.
3. I have practiced my profession both in Canada and the United States continuously since graduation.
4. I was directly involved with all of the exploration work carried out on the Stirling property between October, 1987 and May, 1988.
5. The programme carried out on the Stirling property was supervised by F. Marshall Smith, a Professional Engineer with offices in Vancouver, British Columbia.
6. This report is based on data generated from the 1988 assessment program, as well as references obtained from Abermin Corporation.
7. I am currently a director of Merlin Resources Inc. but have no interest in the properties or shares of Abermin Corporation or in any of the companies with claims contiguous to the Stirling property.



David M. Nelles, B.Sc.  
July 20, 1988

**Appendix A:**

**Assay Certificates**





REPORT: 127-9287

PROJECT: STIRLING

PAGE 1

| SAMPLE<br>NUMBER | ELEMENT<br>UNITS | Ag<br>PPM | Au<br>PPB |
|------------------|------------------|-----------|-----------|
| R2 86-5 0-3NE    |                  | 0.4       | 5         |
| R2 86-5 3-6NE    |                  | 0.3       | <5        |
| R2 86-5 6-9NE    |                  | 0.4       | <5        |
| R2 86-5 9-12NE   |                  | 0.4       | <5        |
| R2 86-5 12-15NE  |                  | 0.6       | <5        |
| R2 86-5 15-18NE  |                  | 0.4       | <5        |
| R2 BASELINE 1    |                  | 2.0       | 260       |
| R2 BASELINE 2    |                  | 0.7       | 20        |
| R2 VICTORIA      |                  | 29.0      | >10000    |

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Telex: 04-352667



**BONDAR-CLEGG**

**Certificate  
of Analysis**


REPORT: 627-9287

PROJECT: STIRLING

PAGE 1

| SAMPLE<br>NUMBER | ELEMENT<br>UNITS | AU<br>OPT |
|------------------|------------------|-----------|
| R2 VICTORIA      |                  | 1.654#    |

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VANCOUVER, B.C.

V6C 1A5

Project : MERLIN

Comments:

Page 1 : 1

Tot. Pages: 1

Date : 23-MAY-88

Invoice # : I-8815426

P.O. # : STR 01

## CERTIFICATE OF ANALYSIS A8815426

| SAMPLE DESCRIPTION | PREP CODE | Au<br>g/tonne | Ag<br>g/tonne | Cu<br>ppm |  |  |  |  |  |  |  |
|--------------------|-----------|---------------|---------------|-----------|--|--|--|--|--|--|--|
| 97351              | 207 ---   | < 0.07        | 1.3           | 1850      |  |  |  |  |  |  |  |
| 97352              | 207 ---   | 24.70         | 22.5          | 1700      |  |  |  |  |  |  |  |
| 97353              | 207 ---   | 4.36          | 9.0           | 3900      |  |  |  |  |  |  |  |
| 97354              | 207 ---   | 0.55          | 2.0           | 1730      |  |  |  |  |  |  |  |
| 97355              | 207 ---   | 0.21          | 1.5           | 830       |  |  |  |  |  |  |  |
| 97356              | 207 ---   | 0.21          | 2.8           | 1300      |  |  |  |  |  |  |  |
| 97357              | 207 ---   | 0.14          | 4.3           | 3400      |  |  |  |  |  |  |  |
| 97358              | 207 ---   | 0.41          | 4.0           | 630       |  |  |  |  |  |  |  |
| 97359              | 207 ---   | 0.27          | 3.3           | 3500      |  |  |  |  |  |  |  |
| 97360              | 207 ---   | 0.07          | 1.5           | 3000      |  |  |  |  |  |  |  |
| 97361              | 207 ---   | 0.07          | 1.3           | 2050      |  |  |  |  |  |  |  |
| 97362              | 207 ---   | 0.07          | 1.3           | 2030      |  |  |  |  |  |  |  |

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Project : MERLIN  
 Comments :

Page # : 1  
 Tot. Pages : 1  
 Date : 24-MAY-88  
 Invoice # : I-8815572  
 P.O. # : SIR-02

## CERTIFICATE OF ANALYSIS A8815572

| SAMPLE DESCRIPTION | PREP CODE | Au FA<br>g/tonne | Ag FA<br>g/tonne | Cu<br>ppm |  |  |  |  |  |  |
|--------------------|-----------|------------------|------------------|-----------|--|--|--|--|--|--|
| 97363 G            | 207 ---   | < 0.07           | 0.5              | 20        |  |  |  |  |  |  |
| 97364 G            | 207 ---   | 4.80             | 19.5             | 3550      |  |  |  |  |  |  |
| 97365 G            | 207 ---   | 2.74             | 11.8             | 1650      |  |  |  |  |  |  |
| 97366 G            | 207 ---   | 0.96             | 3.5              | 3200      |  |  |  |  |  |  |
| 97367 G            | 207 ---   | 0.14             | 2.5              | 1630      |  |  |  |  |  |  |
| 97368 G            | 207 ---   | < 0.34           | 2.5              | 4400      |  |  |  |  |  |  |
| 97369 G            | 207 ---   | 0.07             | 2.3              | 9900      |  |  |  |  |  |  |
| 97370 G            | 207 ---   | 0.07             | 1.3              | 2280      |  |  |  |  |  |  |
| 97371 G            | 207 ---   | 0.21             | 3.3              | 1530      |  |  |  |  |  |  |
| 97372 G            | 207 ---   | 0.82             | 7.5              | 2930      |  |  |  |  |  |  |
| 97373 G            | 207 ---   | 0.21             | 4.8              | 1730      |  |  |  |  |  |  |
| 97374 G            | 207 ---   | 0.14             | 4.3              | > 10000   |  |  |  |  |  |  |
| 97375 G            | 207 ---   | 0.07             | 0.8              | 1730      |  |  |  |  |  |  |

*B. J. Quate*



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Project: MERLIN  
Comments:

Page No 1  
Tot. Pages: 1  
Date: 26-MAY-88  
Invoice #: I-3815704  
P.O. #: SIR-03

## CERTIFICATE OF ANALYSIS A8815704

| SAMPLE DESCRIPTION | PREP CODE | Au g/tonne | Ag FA g/tonne | Cu ppm |      |  |  |  |  |  |  |
|--------------------|-----------|------------|---------------|--------|------|--|--|--|--|--|--|
| 97376 G            | 207       | ---        | 0.27          | 1.3    | 2750 |  |  |  |  |  |  |
| 97377 GG           | 207       | ---        | 0.07          | 0.8    | 1000 |  |  |  |  |  |  |
| 97378 GG           | 207       | ---        | 0.07          | 0.5    | 1200 |  |  |  |  |  |  |
| 97379 GG           | 207       | ---        | 0.82          | 2.5    | 4300 |  |  |  |  |  |  |
| 97380 G            | 207       | ---        | 0.21          | 1.0    | 5000 |  |  |  |  |  |  |
| 97381 G            | 207       | ---        | 0.07          | 1.0    | 1750 |  |  |  |  |  |  |
| 97382 GG           | 207       | ---        | 0.07          | 0.5    | 1080 |  |  |  |  |  |  |
| 97383 GG           | 207       | ---        | 0.07          | 0.5    | 265  |  |  |  |  |  |  |
| 97384 GG           | 207       | ---        | 0.07          | 0.5    | 168  |  |  |  |  |  |  |
| 97385 G            | 207       | ---        | 0.69          | 5.0    | 2380 |  |  |  |  |  |  |
| 97386 GG           | 207       | ---        | 0.07          | 0.8    | 2180 |  |  |  |  |  |  |
| 97387 GG           | 207       | ---        | 0.07          | 0.5    | 1900 |  |  |  |  |  |  |
| 97388 GG           | 207       | ---        | 0.07          | 0.5    | 780  |  |  |  |  |  |  |
| 97389 GG           | 207       | ---        | 0.07          | 0.5    | 300  |  |  |  |  |  |  |
| 97390 G            | 207       | ---        | 0.07          | 0.5    | 425  |  |  |  |  |  |  |

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Page No.

Tot. Page

Date : 31-MAY-88

Invoice #: I-8815881

P.O. #: STR-4/5

## CERTIFICATE OF ANALYSIS A8815881

| SAMPLE DESCRIPTION | PREP CODE | Au g/tonne | Ag g/tonne | Cu ppm  |  |  |  |  |  |  |  |
|--------------------|-----------|------------|------------|---------|--|--|--|--|--|--|--|
| 97391 G            | 208       | < 0.07     | 2.0        | 7540    |  |  |  |  |  |  |  |
| 97392 G            | 208       | 0.48       | 9.0        | 7860    |  |  |  |  |  |  |  |
| 97393 G            | 208       | 0.48       | 7.0        | 9700    |  |  |  |  |  |  |  |
| 97394 G            | 208       | 1.10       | 8.3        | > 10000 |  |  |  |  |  |  |  |
| 97395 G            | 208       | 1.17       | 10.0       | 6820    |  |  |  |  |  |  |  |
| 97396 G            | 208       | 0.34       | 3.8        | 5940    |  |  |  |  |  |  |  |
| 97397 G            | 208       | 0.34       | 8.3        | 7200    |  |  |  |  |  |  |  |
| 97398 G            | 208       | < 0.07     | 2.0        | 3600    |  |  |  |  |  |  |  |
| 97399 G            | 208       | 0.21       | 2.3        | 3630    |  |  |  |  |  |  |  |
| 97400 G            | 208       | < 0.07     | 0.8        | 2330    |  |  |  |  |  |  |  |
| 97401 G            | 208       | 0.14       | 2.3        | 6890    |  |  |  |  |  |  |  |
| 97402 G            | 208       | 0.75       | 2.0        | 3780    |  |  |  |  |  |  |  |
| 97403 G            | 208       | 0.82       | 3.0        | 4320    |  |  |  |  |  |  |  |
| 97404 G            | 208       | 1.10       | 9.8        | 8480    |  |  |  |  |  |  |  |
| 97405 G            | 208       | 0.48       | 7.8        | 4000    |  |  |  |  |  |  |  |
| 97406 G            | 208       | << 0.07    | < 1.5      | 3250    |  |  |  |  |  |  |  |
| 97407 G            | 208       | << 0.07    | < 0.5      | 1160    |  |  |  |  |  |  |  |
| 97408 G            | 208       | << 0.07    | 0.8        | 3400    |  |  |  |  |  |  |  |
| 97409 G            | 208       | < 0.41     | 7.3        | 5680    |  |  |  |  |  |  |  |
| 97410 G            | 208       | < 0.07     | 4.3        | 5280    |  |  |  |  |  |  |  |
| 97411 G            | 208       | << 0.07    | 1.3        | 2800    |  |  |  |  |  |  |  |
| 97412 G            | 208       | << 0.07    | 0.5        | 1320    |  |  |  |  |  |  |  |
| 97413 G            | 208       | << 0.07    | 1.3        | 2330    |  |  |  |  |  |  |  |
| 97414 G            | 208       | << 0.07    | 2.0        | 980     |  |  |  |  |  |  |  |
| 97415 G            | 208       | << 0.07    | 1.8        | 840     |  |  |  |  |  |  |  |
| 97416 G            | 208       | << 0.07    | 1.3        | 303     |  |  |  |  |  |  |  |
| 97417 G            | 208       | << 0.07    | 0.8        | 890     |  |  |  |  |  |  |  |

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V6C 1A5

Project : MERLIN

Comments :

Page No. 1  
Tot. Pa. 1  
Date : 2-JUN-88  
Invoice # : I-8816028  
P.O. # : STR-06

## CERTIFICATE OF ANALYSIS A8816028

| SAMPLE DESCRIPTION | PREP CODE | Au g/tonne | Ag g/tonne | Cu ppm |         |  |  |  |  |  |  |  |
|--------------------|-----------|------------|------------|--------|---------|--|--|--|--|--|--|--|
| 97418              | 208       | ---        | < 0.07     | 0.8    | 153     |  |  |  |  |  |  |  |
| 97419              | 208       | ---        | 0.07       | 1.5    | 2800    |  |  |  |  |  |  |  |
| 97420              | 208       | ---        | 0.41       | 9.8    | > 10000 |  |  |  |  |  |  |  |
| 97421              | 208       | ---        | 0.55       | 8.3    | 4880    |  |  |  |  |  |  |  |
| 97422              | 208       | ---        | < 0.07     | 0.5    | 2350    |  |  |  |  |  |  |  |
| 97423              | 208       | ---        | <<< 0.07   | 0.5    | 85      |  |  |  |  |  |  |  |
| 97424              | 208       | ---        | <<< 0.07   | 0.5    | 40      |  |  |  |  |  |  |  |
| 97425              | 208       | ---        | <<< 0.07   | 0.5    | 202     |  |  |  |  |  |  |  |
| 97426              | 208       | ---        | <<< 0.07   | 2.0    | 2900    |  |  |  |  |  |  |  |
| 97427              | 208       | ---        | <<< 0.07   | 0.5    | 765     |  |  |  |  |  |  |  |
| 97428              | 208       | ---        | <<< 0.07   | 5.0    | 580     |  |  |  |  |  |  |  |
| 97429              | 208       | ---        | <<< 0.07   | 0.8    | 780     |  |  |  |  |  |  |  |
| 97430              | 208       | ---        | <<< 0.07   | 0.8    | 2200    |  |  |  |  |  |  |  |
| 97431              | 208       | ---        | <<< 0.07   | 0.5    | 1500    |  |  |  |  |  |  |  |

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Page N : 1

Tot. Pages: 1

Date : 6-JUN-88

Invoice # : I-8816124

P.O. # : SIR-07

## CERTIFICATE OF ANALYSIS A8816124

| SAMPLE DESCRIPTION | PREP CODE | Au<br>g/tonne | Ag<br>g/tonne | Cu<br>ppm |      |  |  |  |  |  |  |  |
|--------------------|-----------|---------------|---------------|-----------|------|--|--|--|--|--|--|--|
| 97432 G            | 208       | ---           |               |           |      |  |  |  |  |  |  |  |
| 97433 G            | 208       | ---           | 1.85          | 5.0       | 2490 |  |  |  |  |  |  |  |
| 97434 G            | 208       | ---           | 1.03          | 8.0       | 2800 |  |  |  |  |  |  |  |
| 97435 G            | 208       | ---           | 0.89          | 5.8       | 1650 |  |  |  |  |  |  |  |
| 97436 G            | 208       | ---           | 0.41          | 2.5       | 1680 |  |  |  |  |  |  |  |
|                    | 208       | ---           | < 0.07        | 3.5       | 4060 |  |  |  |  |  |  |  |
| 97437 G            | 208       | ---           | 0.14          | 3.8       | 4000 |  |  |  |  |  |  |  |
| 97438 G            | 208       | ---           | 0.07          | 2.0       | 1760 |  |  |  |  |  |  |  |
| 97439 G            | 208       | ---           | 0.14          | 2.8       | 2070 |  |  |  |  |  |  |  |
| 97440 G            | 208       | ---           | 0.07          | < 0.5     | 51   |  |  |  |  |  |  |  |
| 97441 G            | 208       | ---           | 0.07          | 0.5       | 272  |  |  |  |  |  |  |  |
| 97442 G            | 208       | ---           | 0.07          | 0.5       | 186  |  |  |  |  |  |  |  |
| 97443 G            | 208       | ---           | 0.07          | 9.5       | 2120 |  |  |  |  |  |  |  |
| 97444 G            | 208       | ---           | 0.07          | 1.8       | 9620 |  |  |  |  |  |  |  |

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*W. Elmer...*





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Project : MERLIN  
Comments :

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Tot. Pag... 1  
Date : 6-JUN-88  
Invoice # : I-8816125  
P.O. # : SIR-08

## CERTIFICATE OF ANALYSIS A8816125

| SAMPLE DESCRIPTION | PREP CODE |    | Au      | Ag      | Cu   |  |  |  |  |  |  |  |
|--------------------|-----------|----|---------|---------|------|--|--|--|--|--|--|--|
|                    |           |    | g/tonne | g/tonne | ppm  |  |  |  |  |  |  |  |
| 97445 G            | 208       | -- | < 0.07  | 0.8     | 4320 |  |  |  |  |  |  |  |
| 97446 G            | 208       | -- | 0.14    | 1.0     | 2150 |  |  |  |  |  |  |  |
| 97447 G            | 208       | -- | 2.06    | 6.0     | 1680 |  |  |  |  |  |  |  |
| 97448 G            | 208       | -- | 0.48    | 1.5     | 770  |  |  |  |  |  |  |  |
| 97449 G            | 208       | -- | 0.27    | 1.8     | 520  |  |  |  |  |  |  |  |
| 97450 G            | 208       | -- | 0.14    | 0.8     | 1640 |  |  |  |  |  |  |  |
| 97451 G            | 208       | -- | 0.07    | 8.8     | 6300 |  |  |  |  |  |  |  |

ANALYSIS REPORT  
 8816125  
 JUN 10 1988  
 10:00 AM

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**APPENDIX B**  
**Analytical Procedures**

All the samples were first crushed, riffle split and pulverized to -150 mesh. In the sample preparation stage the + 150 mesh screens were checked for metallics which, if present, were assayed separately and calculated into the results obtained from the pulp assay.

Analysis of the core samples involved one half assay ton sub samples being fused in litharge, carbonate and siliceous fluxes. The resulting lead button containing the precious metals was then cupelled in a muffle furnace. Upon completion, the combined silver and gold bead was weighed on a microbalance, parted, annealed and again weighed as gold, the difference in the two weighings being the silver. Results derived using this procedure are reported in grams/tonne with a detection limit of 0.07 and 0.5 grams/tonne for gold and silver respectively.

Analysis for copper involved the digestion of a two gram sub-sample in a hot perchloric-nitric acid mixture for two hours. The solution was then cooled and transferred into a 250 milliliter volumetric flask where aluminum chloride was added as an ionizing suppressant for molybdenum. The resulting solution was then analyzed using atomic absorption techniques with a 1 ppm detection limit.

Channel samples were geochemically analyzed for both gold and silver. For gold, ten gram subsamples of each sample were fused in litharge, carbonate and siliceous flux with the addition of ten milligrams of gold-free silver metal. The fusion was then cupelled and the resulting silver bead parted with dilute nitric acid and treated with aqua regia. The remaining salts were then dissolved in dilute HCl and analyzed for gold via atomic absorption spectrophotometer with a five parts per billion detection limit.

Silver analyses required one gram subsamples be digested in a concentrated nitric acid-aqua regia solution for approximately two hours. The digested sample was then cooled and made up to 25 milliliters with distilled water. The solution was mixed and solids were allowed to settle. Silver concentrations were then determined employing atomic absorption techniques using background correction. The detection limit for this procedure is 0.2 ppm.

**APPENDIX C**

**Drill Logs**

# DRILL HOLE RECORD

Property Fitch Location Merritt B.C. District Nicola Hole No. Str-88-1 Length 68.28 m  
 Commenced 11/5/88 Completed 14/5/88 Core Size 110 True Bearing 057° Corr. Dip -  
 Lat.  Dep.  Elev. 1369.5 m Hor. Comp. 50.74 m Vert. Comp. 45.69 m  
 % Recovery Fair-good Collar Dip -42° Date 14/5/88 Objective to test zone below trench 8

| Colour Plot # | DEPTH |            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |  |  |  |  |  |
|---------------|-------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|--|--|--|--|--|
|               | Dips  | from       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | to       | run  |                 |            |        | %        |  |  |  |  |  |
|               |       | 0-3.35     | Casing - no recovery<br>Note: casing eventually put down to 762 m<br>w/ 0.75 m above ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | 0 →      |      |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 3.35     | 0    |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 3.96     | 50°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 4.57     | 20°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 4.88     | 100  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 7.62     | 20   |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 8.23     | 100  |                 |            |        |          |  |  |  |  |  |
|               |       | 3.35-58.97 | Medium grey-green to pinkish grey, highly fractured, locally porphyritic andesite (basalt). Groundmass is very fine grained & chloritic. Phenocrysts are dominantly off-white plagioclase & generally less than 2 mm in diameter. The rock is locally amygdaloidal (quartz, calcite, < 3mm). Fracture surfaces are generally limonitic with local dendritic pyrolusite. Core (is slightly) magnetic & rarely competent for more than 1/2 a meter due to intense fracturing in the first 38 meters of the hole. Local saccular hematite along fractures. |                   | 8.84     | 85   |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 9.45     | 95°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 10.06    | 95°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 11.13    | 70°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 11.89    | 75°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 12.65    | 40   |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 13.41    | 100  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 14.02    | 100+ |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 14.94    | 100+ |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 15.55    | 100  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 16.16    | 80   |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 16.46    | 75°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 16.76    | 75°  |                 |            |        |          |  |  |  |  |  |
|               |       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 17.07    | 50°  |                 |            |        |          |  |  |  |  |  |

NOTE: Recoveries with \* are estimated  
All angles measured from core axis.

Logged by DMN Checked by  Hole No. Str-88-1  
 Date 14/5/88 Date  Page 1 of 4

# DRILL HOLE RECORD

| Colour Plot B<br>Dips | DEPTH |       | DESCRIPTION                                                                                                             | SAMPLE RECOVERY % | RECOVERY |      | Sample interval | Sample No. | Length | ANALYSIS |  |
|-----------------------|-------|-------|-------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|--|
|                       | from  | to    |                                                                                                                         |                   | run      | %    |                 |            |        |          |  |
|                       |       |       | Including:                                                                                                              |                   | 17 07    | →    |                 |            |        |          |  |
|                       | 20.32 | 21.00 | Section of moderately altered<br>limonitic volcanics l. calcite<br>dehydroxylated. have specular hematite<br>inclusions |                   | 17.98    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 18.29    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 18.59    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 19.20    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 20.42    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 21.34    | 95'  |                 |            |        |          |  |
|                       | 26.90 | 27.40 | Orange lignite = pyrolysis on<br>fracture surface                                                                       |                   | 22.56    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 23.17    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 24.38    | 25'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 24.69    | 50'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 25.15    | 70'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 25.60    | 80'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 25.91    | 50'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 26.21    | 90'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 26.52    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 26.82    | 70'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 27.43    | 95'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 28.04    | 75'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 28.96    | 65'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 29.57    | 75'  |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 30.48    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 31.09    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 31.70    | 100' |                 |            |        |          |  |
|                       |       |       |                                                                                                                         |                   | 32.16    | 100' |                 |            |        |          |  |

Project Stirling Logged by JMN Checked by \_\_\_\_\_ Hole No. Str-88-1  
 Location Morritt B.C. Date 14/5/88 Date \_\_\_\_\_ Page 2 of 4

# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                          | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |  |  |  |  |  |
|-----------------------|-------|-------|----------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|--|--|--|--|--|
|                       | from  | to    |                                                                      |                   | run      | %    |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 32.16    | →    |                 |            |        |          |  |  |  |  |  |
|                       | 37.85 | 45.25 | Section of relatively competent rock Ord, local / tra. -             |                   | 33.53    | 35'  |                 |            |        |          |  |  |  |  |  |
|                       |       |       | good recovery Irregular concretions                                  |                   | 34.00    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       | = green filled concretion / amygdalites                              |                   | 35.05    | 100+ |                 |            |        |          |  |  |  |  |  |
|                       |       |       | w/ local < 5 mm res. = through out this section                      |                   | 35.66    | 95'  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 36.55    | 70   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 37.49    | 60   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 38.71    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 39.62    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 41.15    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 42.37    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 43.89    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 44.81    | 100  |                 |            |        |          |  |  |  |  |  |
|                       | 45.25 | 46.10 | Softer, detritic volcanics w/ monitic fragments / greenish fractures |                   | 45.42    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 46.03    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 47.55    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 48.46    | 90   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 49.99    | 95   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 50.60    | 100  |                 |            |        |          |  |  |  |  |  |
|                       | 50.00 |       | Minor malachite staining on fracture surfaces                        |                   | 51.51    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 53.04    | 40   |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 54.87    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 55.47    | 100  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 55.78    | 95'  |                 |            |        |          |  |  |  |  |  |
|                       |       |       |                                                                      |                   | 56.37    | 90   |                 |            |        |          |  |  |  |  |  |

Project Stirling Logged by DMW Checked by \_\_\_\_\_ Hole No. Str-88-1  
 Location Merritt B.C. Date 14/5/88 Date \_\_\_\_\_ Page 3 of 4





# DRILL HOLE RECORD

Property Stirling Location Moritt B.C. District Haida Hole No. Str-88-2 Length 76.96 m  
 Commenced 14/5/88 Completed 15/5/88 Core Size 110 True Bearing 057° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. 1359.5 m Hor. Comp. 45.2 m Vert. Comp. 22.26 m  
 % Recovery good Collar Dip -54° Date 16/5/88 Objective Deepen extension below trench 8

| Colour Plot # | DEPTH |             | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                               | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |          |        |
|---------------|-------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|----------|--------|
|               | Dips  | from to     |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | run      | %   |                 |            |        | Au-g/ton | Ag-g/ton | Cu ppm |
|               |       | 0-6.10      | Casing - no recovery                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 0        | 0   |                 |            |        |          |          |        |
|               |       | 6.10-14.48  | Medium grey-green very fine grained locally porphyritic amygdaloidal/vesicular andesite (basalt). Groundmass is very fine grained & moderately soft (chlorite?) Thompsonite are green-white micaceous & generally < 3 mm in diameter. Local sections host irregular vesicles in amygdaloid (dominantly quartz). The andesite is relatively fractured w/ limonite & pyrite (dendritic) on fracture surfaces. It is also slightly magnetic. |                   | 6.10     | 0   |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 6.71     | 75* |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 7.32     | 90  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 7.93     | 100 |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 8.54     | 95* |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 9.45     | 95* |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 10.26    | 95  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 10.97    | 100 |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 11.58    | 95  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 12.70    | 80  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 13.11    | 60  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 13.56    | 95  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 14.02    | 50* |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 14.32    | 50  |                 |            |        |          |          |        |
|               |       | 14.48-15.70 | Short section of <sup>intensely</sup> amorphous, altered andesite w/ local obscure quartz-calcite veinlets (< 1 cm). Limonite & pyrite (?) are widespread within this zone. No visible sulfides (oxidized?)                                                                                                                                                                                                                               | 100               | 14.48    | 100 | 14.48-15.70     | 97363      | 1.22   | 0.07     | 0.5      | 00     |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 15.55    | 100 |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 16.15    | 95  |                 |            |        |          |          |        |
|               |       |             |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | 16.76    | 75* |                 |            |        |          |          |        |

NOTE: Recoveries denoted by \* are estimated. Logged by DMN Checked by \_\_\_\_\_ Hole No. Str-88-2  
 All angles measured from core axis. Date 16/5/88 Date \_\_\_\_\_ Page 1 of 4

# DRILL HOLE RECORD

| Colour Plot B<br>Dips | DEPTH |       | DESCRIPTION                                            | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS   |            |
|-----------------------|-------|-------|--------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|------------|------------|
|                       | from  | to    |                                                        |                   | run      | %    |                 |            |        | Au - g/ton | Ag - g/ton |
|                       | 15.70 | 61.08 | Medium grey-green very fine grained andesite (breccia) |                   | 16.76    | →    |                 |            |        |            |            |
|                       |       |       | Andesite is locally porphyritic (plagioclase) &/or     |                   | 17.73    | 90   |                 |            |        |            |            |
|                       |       |       | amygdaloidal (admiration for calc. etc.) Groundmass    |                   | 18.59    | 100+ |                 |            |        |            |            |
|                       |       |       | is very fine grained & moderately soft (chert?)        |                   | 19.97    | 100  |                 |            |        |            |            |
|                       |       |       | Numerous limonitic (= pyritic) fractures cut core      |                   | 21.18    | 100  |                 |            |        |            |            |
|                       |       |       | at various altitudes. Local thin (<5mm) shale          |                   | 22.71    | 100  |                 |            |        |            |            |
|                       |       |       | veinlets (calcite/Qtz) @ ~ 45-60°                      |                   | 24.08    | 100  |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 25.30    | 90   |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 26.82    | 100  |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 27.74    | 100  |                 |            |        |            |            |
|                       |       |       | Including:                                             |                   | 29.26    | 95   |                 |            |        |            |            |
|                       | 28.00 | 33.50 | Section of broken, intensely fractured                 |                   | 30.02    | 95   |                 |            |        |            |            |
|                       |       |       | chloritic volcanics. Local v. gangue.                  |                   | 30.79    | 95   |                 |            |        |            |            |
|                       |       |       |                                                        | Mismatch          | 32.30    | 20   |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 32.61    | 50   |                 |            |        |            |            |
|                       | 29.30 | 29.40 | Broken 1 cm wide quartz vein                           |                   | 33.22    | 75   |                 |            |        |            |            |
|                       |       |       | @ ~ 10° w/ associated hematite in                      |                   | 33.68    | 90   |                 |            |        |            |            |
|                       |       |       | altitud volcanics. Local limonite                      |                   | 35.21    | 100  |                 |            |        |            |            |
|                       |       |       | but no sulfides.                                       |                   | 35.66    | 95   |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 36.27    | 95   |                 |            |        |            |            |
|                       | 35.90 | 37.00 | Fractured section as above.                            |                   | 36.88    | 90   |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 38.10    | 95   |                 |            |        |            |            |
|                       |       |       |                                                        |                   | 39.63    | 95   |                 |            |        |            |            |

Project: Stirling  
 Location: Merritt B.C.  
 Logged by: DMN  
 Date: 16/5/88  
 Checked by:  
 Date:  
 Hole No. Str 88-2  
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# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |               | DESCRIPTION                                                                                                                                                                                              | SAMPLE RECOVERY % | RECOVERY |       | Sample Interval | Sample No.  | Length | ANALYSIS  |           |         |      |  |
|-----------------------|-------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-------|-----------------|-------------|--------|-----------|-----------|---------|------|--|
|                       | from  | to            |                                                                                                                                                                                                          |                   | run      | %     |                 |             |        | Au- g/ton | Ag- g/ton | Cu- ppm |      |  |
|                       |       | 43.60         | 1 cm quartz vein @ 75° N/S<br>sulfides & alteration 105° N/S                                                                                                                                             |                   | 79.6     | ->    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 41.84    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 41.05    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 42.05    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 42.67    | 100   |                 |             |        |           |           |         |      |  |
|                       |       | 56.12 - 57.30 | Quartz-hematite ± limonite veins                                                                                                                                                                         |                   | 44.20    | 95    |                 |             |        |           |           |         |      |  |
|                       |       | 60.25 & 60.60 | var. in from 1 to 3 cm in width<br>@ 60° Specular hematite ± limonite<br>forms selvage around qtz. No visible<br>sulfides                                                                                |                   | 45.11    | 90    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 45.72    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 46.94    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 47.25    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 48.16    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 48.77    | 100   |                 |             |        |           |           |         |      |  |
|                       |       | 61.08 - 63.80 | Section of intensely altered/oxidized rock dominated by<br>iron oxides (limonite w/ specular hematite) laminae<br>in color from red to orange to metallic grey<br>Local sections of hematite inclusions. |                   | 53.27    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 51.51    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 53.04    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 54.56    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 56.08    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 57.76    | 95    |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 59.28    | 100   |                 |             |        |           |           |         |      |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 95       | 60.96 | 100             | 61.08-61.77 | 97364  | .91       | 4.80      | 19.5    | 5550 |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 95       | 62.47 | 95              | 61.77-62.90 | 65     | .91       | 2.74      | 11.8    | 1650 |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 80       | 64.31 | 85              | 62.90-63.80 | 66     | .90       | 0.96      | 3.5     | 3200 |  |
|                       |       |               |                                                                                                                                                                                                          |                   | 100      | 65.84 | 100             | 63.80-65.32 | 97367  | 1.52      | 0.14      | 2.5     | 1630 |  |

Project: Stirling  
 Location: Moratti B.C.  
 Logged by: DMN  
 Date: 16/5/88  
 Checked by:  
 Date:  
 Hole No: Str 88-2  
 Page: 3 of 4



# DRILL HOLE RECORD

Property Stirling Location Merritt B.C. District Nicola Hole No. Str-88-3 Length 90.83 m  
 Commenced 15/5/88 Completed 17/5/88 Core Size NO True Bearing 097° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. 1369.5 m Hor. Comp. 53.38 m Vert. Comp. 67.59 m  
 % Recovery fair - good Collar Dip -50° Date 17/5/88 Objective To intersect zone beneath trench 9

| Colour Plot B<br>Dips | DEPTH |       | DESCRIPTION                                               | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |          |
|-----------------------|-------|-------|-----------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|----------|
|                       | from  | to    |                                                           |                   | run      | %    |                 |            |        | Au-g/ton | Ag-g/ton |
|                       | 0     | 3.04  | Casing - no recovery                                      |                   | 0 →      |      |                 |            |        |          |          |
|                       |       |       |                                                           |                   | 3.04     | 0    |                 |            |        |          |          |
|                       |       |       |                                                           |                   | 3.35     | 75*  |                 |            |        |          |          |
|                       | 3.04  | 16.00 | Medium grey-green very fine grained andesite (acidic)     |                   | 3.57     | 75   |                 |            |        |          |          |
|                       |       |       | Andesite is locally porphyritic (< 1 mm plagioclase       |                   | 6.10     | 95   |                 |            |        |          |          |
|                       |       |       | phenocrysts) & for amygdaloidal (< 3 mm calcite/gtz)      |                   | 6.71     | 95*  |                 |            |        |          |          |
|                       |       |       | Groundmass is fine to extremely fine grained &            |                   | 8.23     | 100  |                 |            |        |          |          |
|                       |       |       | chloritic. The volcanics are cut by local < 1 cm          |                   | 9.45     | 100  |                 |            |        |          |          |
|                       |       |       | white quartz (& calcite) veinlets at high angles.         |                   | 9.75     | 100* |                 |            |        |          |          |
|                       |       |       | Fracture surfaces are limonitic. Andesite is elliptic     |                   |          |      |                 |            |        |          |          |
|                       |       |       | magnetic & contains minor disseminated specular           |                   | 10.67    | 65   |                 |            |        |          |          |
|                       |       |       | hematite. Grain size becomes coarser in last 1.5 meters   |                   | 11.89    | 75   |                 |            |        |          |          |
|                       |       |       | of section where alteration increases.                    |                   | 13.41    | 100  |                 |            |        |          |          |
|                       |       |       | moderately                                                |                   | 14.33    | 100  |                 |            |        |          |          |
|                       | 16.00 | 21.34 | Broken section of limonitic altered volcanics. Rel. soft. |                   | 15.55    | 75   |                 |            |        |          |          |
|                       |       |       | Local hematitic/clayed sections. Re-ground pieces of      |                   | 16.00    | 50   |                 |            |        |          |          |
|                       |       |       | core.                                                     |                   | 17.53    | 80   |                 |            |        |          |          |
|                       |       |       |                                                           |                   | 17.69    | 95*  |                 |            |        |          |          |
|                       |       |       |                                                           |                   | 17.98    | 70*  |                 |            |        |          |          |
|                       |       |       |                                                           |                   | 18.59    | 50*  |                 |            |        |          |          |

NOTE: Recoveries denoted by \* are estimated. Logged by DMN Checked by \_\_\_\_\_ Hole No. Str-88-3  
 All angles measured from core axis. Date 18/5/88 Date \_\_\_\_\_ Page 1 of 4

# DRILL HOLE RECORD

| Colour Plot B<br>Dips | DEPTH |      | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                          | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |          |
|-----------------------|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|----------|
|                       | from  | to   |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | run      | %   |                 |            |        | Au-g/ton | Ag-g/ton |
|                       | 2134  | 6565 | to dark maroon<br>Medium grained - coarse, very fine grained andesite<br>(basalt) - interbedded 1-3' mm calcite - quartz - oxide =<br>specular hematite. Local larger lipped concretions (up to 1cm)<br>Broken altered sections. Local structures @ various attitudes<br>w/ limonite ± prochlorite = malachite. Local specularite = hematite =<br>quartz veinlets (generally < 5 cm). Volcanics = finely<br>magnetic |                   | 1859     | →   |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 1981     | 30  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2042     | 95  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2073     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2103     | 75  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2134     | 65  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2286     | 95  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2408     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2560     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2698     | 95  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 2774     | 100 |                 |            |        |          |          |
|                       | 4375  |      | 5 cm specular hematite - limonite - quartz<br>vein @ ~ 60° in andesite concretions<br>structures (weathered gyrite?)                                                                                                                                                                                                                                                                                                 |                   | 2896     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3048     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3170     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3231     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3261     | 90  |                 |            |        |          |          |
|                       | 5972  | 6000 | Short section of typical andesite resting<br>< 1cm specular hematite veinlets ± quartz.<br>Also one 2 cm slightly limonitic<br>veiny quartz vein @ ~ 75°                                                                                                                                                                                                                                                             |                   | 3322     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3353     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3505     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3627     | 100 |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3734     | 70  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3810     | 95  |                 |            |        |          |          |
|                       |       |      |                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | 3871     | 100 |                 |            |        |          |          |

Project Stirling Logged by JMN Checked by \_\_\_\_\_ Hole No. Str-88-5  
 Location Merritt B.C. Date 18/5/88 Date \_\_\_\_\_ Page 2 of 4

# DRILL HOLE RECORD

| Colour Plot B<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                         | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |  |  |
|-----------------------|-------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|--|--|
|                       | from  | to    |                                                                                                                                                                                                                                                                                     |                   | run      | %   |                 |            |        |          |  |  |
|                       | 65.65 | 73.45 | Fine grained volcanics with increasing numbers of<br>hematitic sections w/ associated limonite & goethite.<br>One 15 cm section of massive hematite local<br>pyrite & malachite associated w/ other oxides.<br>Patchy limonite exposures. Volcanics are only<br>marginally altered. |                   | 38.71    | ->  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 39.73    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 41.45    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 42.98    | 90  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 44.50    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 46.03    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 47.55    | 90  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 49.07    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 50.60    | 90  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 52.12    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 53.65    | 90  |                 |            |        |          |  |  |
|                       | 73.45 | 74.08 | Short section of intensely altered limonitic volcanics<br>Earthy with siliceous / replacements. Local specular<br>hematite veinlets & malachite in fractures.                                                                                                                       |                   | 55.17    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 56.67    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 58.22    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 59.74    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 61.27    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 62.77    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 64.31    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 65.84    | 100 |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 66.90    | 25  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 67.06    | 75  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 67.36    | 95  |                 |            |        |          |  |  |
|                       |       |       |                                                                                                                                                                                                                                                                                     |                   | 67.97    | 100 |                 |            |        |          |  |  |

Project: Stirling Logged by: JMN Checked by: \_\_\_\_\_ Hole No. Str-88-3  
 Location: Merritt B.C. Date: 18/5/88 Date: \_\_\_\_\_ Page 3 of 4

# DRILL HOLE RECORD

| Colour Plot & Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                   | SAMPLE RECOVERY |       | Sample Interval | Sample No.    | Length | ANALYSIS |          |        |      |
|--------------------|-------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----------------|---------------|--------|----------|----------|--------|------|
|                    | from  | to    |                                                                                                                                                                               | run             | %     |                 |               |        | As-g/ton | Ag-g/ton | Cu ppm |      |
|                    | 74.08 | 81.80 | Moderately altered hematitic volcanics w/ local siliceous sections. Hematite content & alteration decrease down section. Minor limonite & malachite. Broken & competent rock. | 67.97           | ->    |                 |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               | 69.58           | 100   |                 |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               | 69.80           | 100   |                 |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               | 100             | 70.72 | 100+            | 69.19 - 70.21 | 77376  | 1.22     | 0.27     | 1.3    | 2750 |
|                    |       |       |                                                                                                                                                                               | 90              | 71.17 | 95              | 70.41 - 71.93 | 77     | 1.52     | 0.07     | 0.8    | 1000 |
|                    |       |       |                                                                                                                                                                               | 80              | 72.54 | 75              | 71.93 - 73.45 | 78     | 1.52     | 0.07     | 0.5    | 1200 |
|                    |       |       |                                                                                                                                                                               | 100             | 73.15 | 75              | 73.45 - 74.68 | 79     | 1.22     | 0.22     | 2.5    | 4300 |
|                    | 81.80 | 83.82 | Section of intensely altered (clayed) volcanics (?) consisting of limonitic (orange) to hematitic (maroon) clay supporting remnant rock fragments.                            | 95              | 74.68 | 100             | 74.68 - 75.70 | 80     | 1.22     | 0.21     | 1.0    | 5000 |
|                    |       |       |                                                                                                                                                                               | 95              | 75.28 | 75              | 75.70 - 77.73 | 81     | 1.23     | 0.07     | 1.0    | 1750 |
|                    |       |       |                                                                                                                                                                               | 90              | 76.51 | 100             | 77.73 - 79.25 | 82     | 1.52     | 0.07     | 0.5    | 1080 |
|                    |       |       |                                                                                                                                                                               | 90              | 77.73 | 95              | 79.25 - 80.77 | 83     | 1.52     | 0.07     | 0.5    | 265  |
|                    |       |       |                                                                                                                                                                               | 95              | 79.25 | 90              | 80.77 - 82.30 | 84     | 1.53     | 0.07     | 0.5    | 168  |
|                    |       |       |                                                                                                                                                                               | 75              | 81.08 | 95              | 82.30 - 83.82 | 85     | 1.52     | 0.69     | 5.0    | 2330 |
|                    | 83.82 | 90.22 | Broken, moderately altered to relatively fresh andesite. Limonitic fractures w/ local dendritic pyroclastic sections of re-ground core.                                       | 90              | 82.30 | 90              | 83.82 - 85.35 | 86     | 1.53     | 0.07     | 0.8    | 280  |
|                    |       |       |                                                                                                                                                                               | 35              | 82.60 | 100             | 85.35 - 87.17 | 87     | 1.52     | 0.07     | 0.5    | 1900 |
|                    |       |       |                                                                                                                                                                               | 95              | 84.13 | 90              | 87.17 - 88.09 | 88     | 1.22     | 0.07     | 0.5    | 730  |
|                    |       |       |                                                                                                                                                                               | 95              | 84.74 | 100+            | 88.09 - 89.31 | 89     | 1.22     | 0.07     | 0.5    | 300  |
|                    |       |       |                                                                                                                                                                               | 100             | 85.35 | 50              | 89.31 - 90.22 | 97390  | .91      | 0.07     | 0.5    | 420  |
|                    |       |       |                                                                                                                                                                               |                 | 85.65 | 75              |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               |                 | 87.17 | 20              |               |        |          |          |        |      |
|                    | 90.22 | 97.83 | Relatively fresh medium grey-green andesite. Very fine grained & competent.                                                                                                   |                 | 87.70 | 95              |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               |                 | 89.31 | 100             |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               |                 | 90.22 | 100             |               |        |          |          |        |      |
|                    |       |       | EDH                                                                                                                                                                           |                 | 90.83 | 90              |               |        |          |          |        |      |
|                    |       |       |                                                                                                                                                                               |                 | EDH   |                 |               |        |          |          |        |      |

Project: Stirling      Logged by: JMN      Checked by: \_\_\_\_\_      Hole No: Str-88-3  
 Location: Merritt B.C.      Date: 18/5/88      Date: \_\_\_\_\_      Page: 4 of 4



# DRILL HOLE RECORD

Property Stirling Location Merritt 3.C. District Nicola Hole No. Str-88-4 Length 56.69 m  
 Commenced 17/5/88 Completed 17/5/88 Core Size N/A True Bearing ~065° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. 1363.5 m Hor. Comp. 35.63 m Vert. Comp. 44.06 m  
 % Recovery good Collar Dip -51° Date 20/5/88 Objective Intersection below trench 7

| Colour Plot Bl<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                      | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |  |  |  |  |  |
|------------------------|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|--|--|--|--|--|
|                        | from  | to    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | run      | %    |                 |            |        |          |  |  |  |  |  |
|                        | 0     | 6.10  | Casing - no recovery                                                                                                                                                                                                                                                                                                                                                                                             |                   | 0        | →    |                 |            |        |          |  |  |  |  |  |
|                        |       |       | to fine                                                                                                                                                                                                                                                                                                                                                                                                          |                   | 6.10     | 0    |                 |            |        |          |  |  |  |  |  |
|                        | 6.10  | 38.10 | Medium grey-green, very fine grained andesite (basalt) / Locally porphyritic (< 1 mm phenocrysts w/ lesser mafics) & relatively soft. Groundmass is chloritic & pyroclastic on surfaces & slightly magnetic. Andesite has indistinct generally < 2mm white quartz, ± calcite veins at varying altitudes. Local irregular quartz-hematite filled amygdalae & open vugs. Some sections highly brecciated & blocky. |                   | 6.25     | 95   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 6.55     | 90   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 7.01     | 65   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 7.47     | 70   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 8.99     | 100  |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 10.06    | 100  |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 10.82    | 95   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 11.58    | 100  |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 11.89    | 90   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 12.50    | 95   |                 |            |        |          |  |  |  |  |  |
|                        |       |       | Including                                                                                                                                                                                                                                                                                                                                                                                                        |                   | 13.11    | 100+ |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 14.63    | 90   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 15.54    | 100  |                 |            |        |          |  |  |  |  |  |
|                        | 24.08 | 25.60 | Section of soft med. altered andesite. Crumbly light dove green core. Coarser grain size.                                                                                                                                                                                                                                                                                                                        |                   | 17.07    | 100  |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 18.59    | 95   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 19.81    | 95   |                 |            |        |          |  |  |  |  |  |
|                        |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 20.73    | 100+ |                 |            |        |          |  |  |  |  |  |

NOTE: Recovery denoted by \* is estimated  
 All angles measured from core axis.

Logged by JMN  
 Date 20/5/88

Checked by \_\_\_\_\_  
 Date \_\_\_\_\_

Hole No. Str-88-4  
 Page 1 of 3

# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                           | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |      |       |        |  |
|-----------------------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|------|-------|--------|--|
|                       | from  | to    |                                                                                                                                       |                   | run      | %   |                 |            |        | As-g     | As-2 | As-3  | Cu ppm |  |
|                       | 25.60 | 30.00 | slightly<br>Weakly altered, coarse grained<br>grey-blue colored andesite                                                              |                   | 20.73    | 100 |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 21.64    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 22.56    | 100 |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 24.08    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 24.69    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 25.60    | 100 |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 26.21    | 100 |                 |            |        |          |      |       |        |  |
|                       | 31.70 |       | One 5 mm specular hematite - grains<br>seen @ ~ 75° in red fresh andesite                                                             |                   | 27.74    | 100 |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 29.26    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 30.48    | 95  |                 |            |        |          |      |       |        |  |
|                       | 32.00 |       | 7cm section of massive specular hematite<br>in relatively fresh andesite                                                              |                   | 32.00    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 32.92    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       |                   | 33.83    | 100 |                 |            |        |          |      |       |        |  |
|                       | 32.90 | 36.00 | locally<br>Coarser grained, porphyritic andesite<br>Fairly competent zone.                                                            |                   | 35.36    | 95  |                 |            |        |          |      |       |        |  |
|                       |       |       |                                                                                                                                       | 100               | 36.88    | 100 | 36.88 - 38.10   | 97391      | 1.22   | 0.07     | 2.0  | 7540  |        |  |
|                       |       |       |                                                                                                                                       | 95                | 38.41    | 95  | 38.10 - 39.01   | 72         | 1.91   | 0.48     | 9.0  | 7860  |        |  |
|                       |       |       |                                                                                                                                       | 100               | 39.93    | 100 | 39.01 - 39.93   | 93         | 1.92   | 0.48     | 7.0  | 9700  |        |  |
|                       |       |       |                                                                                                                                       | 100               | 41.45    | 100 | 39.93 - 40.54   | 94         | 1.61   | 1.10     | 8.3  | 10000 |        |  |
|                       | 36.50 |       | 15cm section of limonitic andesite<br>hosting one minor waxy quartz veinlet<br>Minor specular hematite in hanging<br>- wall volcanics |                   | 42.98    | 95  | 40.54 - 42.06   | 95         | 1.52   | 1.17     | 10.0 | 6320  |        |  |
|                       |       |       |                                                                                                                                       |                   | 43.74    | 95  | 42.06 - 42.98   | 96         | 1.92   | 0.34     | 3.8  | 5940  |        |  |
|                       |       |       |                                                                                                                                       |                   | 45.26    | 95  | 42.98 - 44.20   | 97397      | 1.22   | 0.34     | 8.5  | 7200  |        |  |

Project Stirling Logged by DMN Checked by \_\_\_\_\_ Hole No. ST-83-4  
 Location Merritt L.C. Date 20/5/88 Date \_\_\_\_\_ Page 2 of 3

# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                 | SAMPLE<br>RECOVERY<br>% | RECOVERY |     | Sample Interval | Sample<br>No. | Length | ANALYSIS |       |       |       |
|-----------------------|-------|-------|-------------------------------------------------------------|-------------------------|----------|-----|-----------------|---------------|--------|----------|-------|-------|-------|
|                       | from  | to    |                                                             |                         | run      | %   |                 |               |        | As       | g/ton | Ag    | g/ton |
|                       | 36.88 | 38.10 | Fine grained volcanics, hostine.                            | 95                      | 45.26    | →   | 44.20-45.42     | 97398         | 1.22   | 0.07     | 0.0   | 30.00 |       |
|                       |       |       | increasing amounts of ironite -                             | 100                     | 46.03    | 100 | 45.42-46.94     | 97399         | 1.50   | 0.01     | 0.3   | 36.30 |       |
|                       |       |       | specularite - moderate mineralization                       |                         | 46.79    | 70  |                 |               |        |          |       |       |       |
|                       |       |       | as patches on fractures. Coe                                | 100                     | 48.16    | 85  | 48.76-49.68     | 97400         | .92    | 0.07     | 0.2   | 23.50 |       |
|                       |       |       | becomes more altered down section                           |                         | 49.07    | 60  |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 49.68    | 100 |                 |               |        |          |       |       |       |
|                       | 38.10 | 46.94 | Section of moderately to intensely altered limonitic        |                         | 50.29    | 75  |                 |               |        |          |       |       |       |
|                       |       |       | volcanics. Local intervals almost completely                |                         | 50.45    | 100 |                 |               |        |          |       |       |       |
|                       |       |       | altered (clayed). W. deep red sericite, malachite, limonite |                         | 50.90    | 60  |                 |               |        |          |       |       |       |
|                       |       |       | & limonite. Local sections of iron breccia,                 |                         | 51.21    | 95  |                 |               |        |          |       |       |       |
|                       |       |       | altered andesite, especially towards the end                |                         | 51.51    | 100 |                 |               |        |          |       |       |       |
|                       |       |       | of the interval.                                            |                         | 51.97    | 100 |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 52.12    | 100 |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 52.43    | 95  |                 |               |        |          |       |       |       |
|                       | 46.94 | 48.76 | Relatively fresh fine grained green-grey andesite           |                         | 52.73    | 70  |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 53.34    | 100 |                 |               |        |          |       |       |       |
|                       | 48.76 | 49.68 | Short section of moderately altered (sericitized)           |                         | 53.80    | 70  |                 |               |        |          |       |       |       |
|                       |       |       | limonitic volcanics. Local manganese oxide                  |                         | 55.17    | 100 |                 |               |        |          |       |       |       |
|                       |       |       | staining on fractures                                       |                         | 55.63    | 100 |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 55.93    | 100 |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | 56.69    | 80  |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | EoH      |     |                 |               |        |          |       |       |       |
|                       | 49.68 | 56.69 | Relatively fresh fine grained andesite as described         |                         |          |     |                 |               |        |          |       |       |       |
|                       |       |       | from 6.10 to 38.10. Very blocky from 49.68                  |                         |          |     |                 |               |        |          |       |       |       |
|                       |       |       | to 52.73                                                    |                         |          |     |                 |               |        |          |       |       |       |
|                       |       |       |                                                             |                         | EoH      |     |                 |               |        |          |       |       |       |

Project: Stirling Logged by: JMN Checked by: \_\_\_\_\_ Hole No. Str-88-4  
 Location: Merritt B.C. Date: 20/5/88 Date: \_\_\_\_\_ Page 3 of 3

# DRILL HOLE RECORD

Property Stirling Location Merritt B.C. District Nicola Hole No. Str-88-5 Length 47.83 m  
 Commenced 19/5/88 Completed 20/5/88 Core Size NQ True Bearing ~ 065° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. 1363.5 m Hor. Comp. 20.97 m Vert. Comp. 42.91 m  
 % Recovery good Collar Dip -64 Date 21/5/88 Objective A deeper intersection below corith 7

| Colour Plot #<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                    | SAMPLE RECOVERY %                                                                                                                            | RECOVERY |       | Sample Interval | Sample No. | Length | ANALYSIS   |            |
|-----------------------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-----------------|------------|--------|------------|------------|
|                       | from  | to    |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | run      | %     |                 |            |        | Au - g/ton | Ag - g/ton |
|                       | 0     | 6.10  | Casing - no recovery                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                              | 0        | →     |                 |            |        |            |            |
|                       | 6.10  | 31.54 | Medium grey-green fine-medium grained andesite (basalt). Locally porphyritic (plagioclase chlorite?). Numerous < 3mm white quartz - calcite veinlets at various attitudes. Groundmass is less chloritic & more relatively harder than in previous holes. Slightly magnetic. First 14 m. are fairly competent. Local limonitic & pyroclastic fractures. Local irregular vugs & amygdaloids (calcite, hematite). |                                                                                                                                              | 6.10     | 0     |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 6.40     | 75*   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 7.62     | 90    |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 8.53     | 100   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 9.45     | 100+  |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 9.75     | 95    |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 11.28    | 100   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 12.50    | 100   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 14.02    | 95    |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 15.54    | 95    |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 16.15    | 100+  |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 17.07    | 95*   |                 |            |        |            |            |
|                       |       |       | Including.                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                              | 17.37    | 90*   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 17.69    | 50*   |                 |            |        |            |            |
|                       |       |       | 14.02 - 30.50                                                                                                                                                                                                                                                                                                                                                                                                  | Section of fractured weakly altered andesite soft gougey sections w/ limonite & pyroclastic (used) from 16.15 to 18.51 & from 24.67 to 26.45 |          | 17.14 | 95*             |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 18.51    | 90*   |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 20.27    | 90    |                 |            |        |            |            |
|                       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              | 20.57    | 90    |                 |            |        |            |            |

NOTE: Recoveries denoted by \* are estimated  
 All angles measured from core axis.

Logged by DAN  
 Date 21/5/88

Checked by \_\_\_\_\_  
 Date \_\_\_\_\_

Hole No. Str-88-5  
 Page 1 of 3

# DRILL HOLE RECORD

| Colour Plot B1<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |          |        |
|------------------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|----------|--------|
|                        | from  | to    |                                                                                                                                                                                            |                   | run      | %   |                 |            |        | As-g/ton | As-g/ton | (µg/g) |
|                        |       |       |                                                                                                                                                                                            |                   | 20.57    | ->  |                 |            |        |          |          |        |
|                        | 31.54 | 33.22 | Moderately to strongly altered limonitic volcanics w/ manganese in fractures. Ferruginous (?) Original volcanics unrecognizable                                                            |                   | 20.88    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 21.64    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 22.56    | 95  |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 23.77    | 95  |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 24.69    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 25.60    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 26.37    | 90  |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 26.98    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 28.55    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 29.57    | 100 |                 |            |        |          |          |        |
|                        | 33.22 | 39.32 | to medium<br>Relatively fresh fine grained andesites as described from 610 - 31.341                                                                                                        |                   | 29.87    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 30.79    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 32.00    | 95  |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            | 95                | 33.68    | 95  | 31.54-33.22     | 97407      | 1.68   | 0.07     | 0.5      | 1160   |
|                        |       |       |                                                                                                                                                                                            |                   | 35.20    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 36.58    | 100 |                 |            |        |          |          |        |
|                        |       |       |                                                                                                                                                                                            |                   | 37.64    | 100 |                 |            |        |          |          |        |
|                        | 39.32 | 43.89 | Weakly altered fractured volcanics w/ numerous limonitic sections & patchy specular hematite. Groundmass appears more chloritic & is softer than in previous intervals. Local sericite (?) | 100               | 39.17    | 100 | 39.32-40.84     | 97401      | 1.52   | 0.14     | 2.3      | 6390   |
|                        |       |       |                                                                                                                                                                                            | 95                | 40.61    | 75  | 40.84-42.37     | 402        | 1.53   | 0.75     | 2.0      | 3980   |
|                        |       |       |                                                                                                                                                                                            | 90                | 42.22    | 95  | 42.37-43.89     | 403        | 1.50   | 0.82     | 3.0      | 4320   |
|                        |       |       |                                                                                                                                                                                            | 95                | 43.89    | 90  | 43.89-44.81     | 404        | .91    | 1.10     | 9.8      | 2480   |
|                        |       |       |                                                                                                                                                                                            | 95                | 45.42    | 95  | 44.81-46.03     | 405        | 1.20   | 0.48     | 7.8      | 4000   |
|                        |       |       |                                                                                                                                                                                            | 90                | 46.74    | 95  | 46.03-47.55     | 97406      | 1.50   | 0.07     | 1.5      | 3050   |

Project Stirling Logged by JMN Checked by \_\_\_\_\_ Hole No. ST-88-5  
 Location Merritt B.C. Date 21/5/89 Page 2 of 3



# DRILL HOLE RECORD

Property Stirling Location Merritt B.C. District Nicda Hole No. Str-88-6 Length 56.67 m  
 Commenced 20/15/88 Completed 23/5/88 Core Size NA True Bearing 062° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. ~ 1345 m Hor. Comp. 2835 m Vert. Comp. 49.10 m  
 % Recovery good Collar Dip -60° Date 23/5/88 Objective Intersection below branch 5

| Colour Plot & Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS   |            |        |
|--------------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|------------|------------|--------|
|                    | From  | to    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | run      | %    |                 |            |        | Au - g/ton | Ag - g/ton | Cu ppm |
|                    | 0     | 5.79  | Casing - no recovery                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 0        | →    |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 5.79     | 0    |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 6.40     | 100  |                 |            |        |            |            |        |
|                    | 5.79  | 13.72 | Medium grey-green to olive green, very fine grained andesite (basalt). Olive colored sections weakly altered & soft. Widespread fracturing w/ waxy limonite = pyroclastic. Numerous < 14 mm white calcite = quartz stringers & irregular < 1 cm patches in first 2 meters of interval. Alteration appears to have brought out porphyritic texture in andesite. Increasing fine grained specular hematite towards end of interval. Core is slightly magnetic. |                   | 7.93     | 90   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 9.45     | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 10.06    | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100               | 12.19    | 75   | 12.19-13.72     | 97408      | 1.53   | 0.07       | 0.8        | 3400   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100               | 13.72    | 100  | 13.72-14.63     | 9          | .91    | 0.41       | 7.3        | 5680   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 90                |          |      | 14.63-15.55     | 10         | .92    | 0.07       | 4.3        | 5280   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 95                | 15.55    | 95   | 15.55-16.76     | 97411      | 1.21   | 0.07       | 1.3        | 2800   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 17.07    | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 18.59    | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 19.51    | 100  |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 21.34    | 90   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 21.64    | 100+ |                 |            |        |            |            |        |
|                    | 13.72 | 14.20 | Dark maroon - black hematite (60%) zone with siliceous subrounded green volcanic fragments (25%) and limonite (15%) @ ~ 55°. Limonite boxwork common.                                                                                                                                                                                                                                                                                                        |                   | 22.25    | 100  |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 23.47    | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 24.38    | 95   |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 24.99    | 100  |                 |            |        |            |            |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 26.52    | 100  |                 |            |        |            |            |        |

NOTE: Recoveries denoted by \* are estimated. Logged by JMW Checked by \_\_\_\_\_ Hole No. Str 88-6  
 All angles measured from core axis. Date 23/5/88 Date \_\_\_\_\_ Page 1 of 3

# DRILL HOLE RECORD

| Colour Plot @<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                     | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |          |        |
|-----------------------|-------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|----------|--------|
|                       | from  | to    |                                                                                                                                                                                                                                                 |                   | run      | %   |                 |            |        | Au g/ton | Ag g/ton | Cu ppm |
|                       | 14 20 | 16 76 | Intensely altered buff colored limonitic volcanics.<br>Relative to soft & non-magnetic w/ local porphy & vesic<br>Specular hematite & chalcoprite. Minor malachite<br>in fractures w/ limonite. Volcanics are sericitized.                      | 75                | 26 52    | 95  | 26 98-28 19     | 97418      | 1.01   | 0.07     | 0.8      | 158    |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 28 00    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 29 57    | 25  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 29 72    | 50  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 30 18    | 65  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 32 48    | 65  |                 |            |        |          |          |        |
|                       | 16 76 | 46 79 | Dark grey - maroon to medium grey-green & fine grained<br>andesite (basalt) band is slightly magnetic<br>Local sections host round white amygdules (quartz?)<br>&/or phenocrysts. Disaggregated fractures w/ limonite<br>= pyroclastic coating. |                   | 20 77    | 90  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 21 09    | 90  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 32 46    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 33 07    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 38 53    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 38 83    | 95  |                 |            |        |          |          |        |
|                       |       |       | Including                                                                                                                                                                                                                                       |                   | 34 60    | 80  |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 35 36    | 95  |                 |            |        |          |          |        |
|                       | 27 20 | 28 00 | Two ~ 20 cm zones of sericitized<br>limonitic volcanics in relatively<br>fresh andesite (basalt). Local grey<br>siliceous stringers in 1st zone.                                                                                                |                   | 26 58    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 38 10    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 39 63    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 40 84    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 41 45    | 95  |                 |            |        |          |          |        |
|                       | 24 38 | 27 20 | Section of fragmentary (?) mixed<br>dark green & maroon volcanics. Local<br>round < 2 cm inclusions (?)                                                                                                                                         |                   | 41 76    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 42 37    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 43 28    | 100 |                 |            |        |          |          |        |
|                       |       |       |                                                                                                                                                                                                                                                 |                   | 44 04    | 100 |                 |            |        |          |          |        |

Project Stirling Logged by JMN Checked by \_\_\_\_\_ Hole No. Str 88-6  
 Location Merritt B.C. Date 23/5/88 Date \_\_\_\_\_ Page 2 of 3



# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                    | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |     |      |        |
|-----------------------|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|-----|------|--------|
|                       | from  | to    |                                                                                                                                                                                                                                                                                                |                   | run      | %   |                 |            |        | As       | Sr  | Pb   | Cu ppm |
|                       | 46.79 | 51.40 | Section of limonitic silicified volcanics hosting numerous < 5 mm vuggy quartz stringers. Widespread limonite/hematite & minor patchy chalcocite volcanics increasing in ferruginized towards the end of interval. This interval section similar to hole Str-88-1 section of 'mineralization'. | 90                | 44.04    | →   | 45.72-46.79     | 97412      | 1.07   | 0.07     | 0.5 | 1300 |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                | 100               | 44.81    | 90  | 46.79-48.00     | 13         | 1.21   | 0.07     | 1.3 | 2330 |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                | 100               | 45.11    | 65  | 48.00-49.07     | 14         | 1.07   | 0.07     | 2.0 | 930  |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                | 85                | 46.03    | 90  | 49.07-50.29     | 15         | 1.22   | 0.07     | 1.8 | 840  |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                | 75                | 46.64    | 95  | 50.29-51.51     | 16         | 1.22   | 0.07     | 1.5 | 303  |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                | 95                | 48.16    | 100 | 51.51-53.04     | 97417      | 1.53   | 0.07     | 0.8 | 890  |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 49.07    | 100 |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 50.29    | 85  |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 51.21    | 70  |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 52.12    | 100 |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 53.04    | 95  |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 54.56    | 95  |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 55.17    | 95  |                 |            |        |          |     |      |        |
|                       |       |       |                                                                                                                                                                                                                                                                                                |                   | 56.69    | 95  |                 |            |        |          |     |      |        |
|                       | 51.40 | 56.69 | Typical fine grained massive to grey-green andesite as previously described. Relatively competent. Minor Pyrite (?) near footwall of previous section.                                                                                                                                         |                   |          |     |                 |            |        |          |     |      |        |
|                       |       |       | EOH                                                                                                                                                                                                                                                                                            |                   |          |     |                 |            |        |          |     |      |        |

Project: Stirling      Logged by: DMN      Checked by: \_\_\_\_\_      Hole No. Str 88-6  
 Location: Mount B.C.      Date: 23/5/88      Date: \_\_\_\_\_      Page 3 of 3

# DRILL HOLE RECORD

Property Stirling Location Morritt B.C. District Nicola Hole No. Str-88-7 Length 80.16 m  
 Commenced 23/5/88 Completed 25/5/88 Core Size NA True Bearing 262° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. ~ 1345 m Hor. Comp. 20.75 m Vert. Comp. 77.43 m  
 % Recovery fair to good Collar Dip -75° Date 25/5/88 Objective Deep intersection below trench 5

| Colour Plot # | DEPTH |              | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAMPLE RECOVERY % | RECOVERY |       | Sample interval | Sample No.  | Length | ANALYSIS   |            |            |       |
|---------------|-------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-------|-----------------|-------------|--------|------------|------------|------------|-------|
|               | Dias  | from to      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | run      | %     |                 |             |        | Au - g/ton | Ag - g/ton | Cu - g/ton |       |
|               |       | 0 - 6.10     | Casing - no recovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | 0 →      |       |                 |             |        |            |            |            |       |
|               |       | 6.10 - 15.24 | Medium grey-green, fine grained andesite (basalt).<br>Locally porphyritic (fine feldspar phenocrysts) Andesite<br>hosts numerous irregular, generally < 3 mm white<br>calcite + quartz veinlets w/ minor hematite. Alteration<br>of the andesite appears to increase towards the<br>end of the interval. Here the rock is relatively light<br>lighter colored & hosts patchy hematite w/ associated<br>limonite & minor malachite. Locally sericitized.<br>Widespread fracturing w/ widespread limonite. Most<br>sections slightly magnetic. |                   | 6.10     | 0     |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 6.25     | 100   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 6.55     | 95    |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 7.93     | 100   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 9.45     | 95    |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 9.91     | 75*   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 10.52    | 95*   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 10.67    | 65    |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 10.97    | 95*   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 12.35    | 90    |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 12.95    | 100   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 95       | 13.72 | 95*             | 13.72-15.24 | 97419  | 1.52       | 0.07       | 1.5        | 2800  |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 100      | 15.24 | 95              | 15.24-16.46 | 97420  | 1.22       | 0.11       | 9.8        | 10000 |
|               |       | 15.24-17.68  | Section of intensely altered volcanics hosting/dominated by<br>limonite, hematite & malachite mineralization. Volcanics<br>are sericitized & locally brecciated (?) (fragments cemented by<br>aforementioned mineralization). Mineralization more<br>widespread in first 1/2 of section                                                                                                                                                                                                                                                      |                   | 90       | 16.16 | 100             | 16.46-17.68 | 97421  | 1.22       | 0.55       | 2.3        | 4880  |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 17.07    | 100   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 17.68    | 85    |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 17.83    | 100   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 18.29    | 35*   |                 |             |        |            |            |            |       |
|               |       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | 18.59    | 50*   |                 |             |        |            |            |            |       |

NOTE: Recoveries denoted by \* are estimated. Logged by JMN Checked by \_\_\_\_\_ Hole No. Str-88-7  
 All angles measured from core axis. Date 25/5/88 Date \_\_\_\_\_ Page 1 of 4

# DRILL HOLE RECORD

| Colour Plot B<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                              | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |       |      |       |    |     |  |  |  |  |
|-----------------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|-------|------|-------|----|-----|--|--|--|--|
|                       | from  | to    |                                                                                                                                                                          |                   | run      | %    |                 |            |        | As       | g/ton | Ag   | g/ton | Cu | ppm |  |  |  |  |
|                       | 17.63 | 21.64 | Section of blocky (reground) fragments of relatively fresh andesite. Locally amygdaloidal. Local limonite.                                                               |                   | 18.59    | →    |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 19.20    | 40   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 19.51    | 90   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 20.42    | 65   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          | 75                | 21.64    | 35   | 21.64-22.86     | 9742Z      | 1.22   | 0.07     | 0.5   | 2350 |       |    |     |  |  |  |  |
|                       | 21.64 | 22.65 | Zone of indurated/clayed/servitized hematitic volcanics. Macroon w/ limonitic sections.                                                                                  |                   | 22.25    | 50   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 23.78    | 100  |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 24.69    | 100+ |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 26.21    | 100  |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 27.74    | 90   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       | 22.65 | 59.57 | Dark grey-green to macroon colored fine grained mixed volcanics. Locally porphyritic w/ amygdaloidal or fragmentary. Widespread limonitic fracturing. Slightly magnetic. |                   | 28.96    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 29.57    | 90   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 30.18    | 75   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 31.70    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 32.31    | 70   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 33.83    | 90   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 35.36    | 100  |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       | Including:                                                                                                                                                               |                   | 35.97    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 36.27    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       | 44.20 | 48.77 | Intensely fractured section of relatively fresh volcanics. Fractures very limonitic = pyroclastic.                                                                       |                   | 36.88    | 50   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 37.80    | 60   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 38.86    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       |       |       |                                                                                                                                                                          |                   | 39.93    | 95   |                 |            |        |          |       |      |       |    |     |  |  |  |  |
|                       | 56.05 | 56.54 | Short section of clay supported volcanic fragments. Limonitic                                                                                                            |                   | 41.45    | 100  |                 |            |        |          |       |      |       |    |     |  |  |  |  |

Project Stirling Logged by JMN Checked by \_\_\_\_\_ Hole No. Str - 88-7  
 Location Merritt B.C. Date 25/5/88 Date \_\_\_\_\_ Page 2 of 4

# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                 | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |          |          |     |  |
|-----------------------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|----------|----------|-----|--|
|                       | from  | to    |                                                                                                                                             |                   | run      | %   |                 |            |        | Au-g/ton | Ag-g/ton | Cu g/ton | ppm |  |
|                       |       |       | sericitized                                                                                                                                 |                   | 41.45    | ->  |                 |            |        |          |          |          |     |  |
|                       | 59.59 | 62.97 | Section of limonitic moderately altered, volcanics w/ local specular hematite & minor malachite. Ore                                        |                   | 41.76    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       | 1-2 cm quartz-hematite vein @ ~ 15° at start of interval. Associated limonite.                                                              | 95                | 44.50    | 90  | 44.50-46.64     | 97423      | 2.14   | 0.07     | 0.5      | 85       |     |  |
|                       |       |       |                                                                                                                                             | 95                | 45.11    | 100 | 46.64-48.77     | 97424      | 2.13   | 0.07     | 0.5      | 40       |     |  |
|                       |       |       |                                                                                                                                             |                   | 46.63    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 46.64    | 85  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 47.09    | 95  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 47.55    | 90  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 48.01    | 85  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 48.16    | 100 |                 |            |        |          |          |          |     |  |
|                       | 62.97 | 74.22 | Dark grey - medium porphyritic volcanics. Fine grained siliceous matrix w/ < 3 mm white - pink plagioclase phenocrysts. Locally fragmented. |                   | 48.77    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 49.99    | 95  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 50.29    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 50.60    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 51.36    | 90  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 52.43    | 85  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 53.95    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 55.47    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 56.54    | 85  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 57.30    | 95  |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 57.91    | 100 |                 |            |        |          |          |          |     |  |
|                       |       |       |                                                                                                                                             |                   | 59.59    | 95  |                 |            |        |          |          |          |     |  |

Project: Stirling      Logged by: DMN      Checked by: \_\_\_\_\_      Hole No. Str-88-7  
 Location: Marit BC      Date: 25/5/88      Date: \_\_\_\_\_      Page 3 of 4



# DRILL HOLE RECORD

Property Stirling Location Merritt B.C. District Nicda Hole No. Str-88-8 Length 55.47 m  
 Commenced 25/5/88 Completed 27/5/88 Core Size NQ True Bearing 060° Corr. Dip -  
 Lat. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. ~ 1354 m Hor. Comp. 25.66 m Vert. Comp. 42.49  
 % Recovery fair to good Collar Dip -50° Date 27/5/88 Objective Intersection below branch 6

| Colour Plot & Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                                                 | SAMPLE RECOVERY |      | Sample Interval | Sample No.  | Length | ANALYSIS |          |          |        |
|--------------------|-------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|-----------------|-------------|--------|----------|----------|----------|--------|
|                    | from  | to    |                                                                                                                                                                                                                                                                                                                             | %               | run  |                 |             |        | g        | Au-g/ton | Ag-g/ton | Cu ppm |
|                    | 0     | 610   | Casing - no recovery                                                                                                                                                                                                                                                                                                        |                 | 0 →  |                 |             |        |          |          |          |        |
|                    | 610   | 12.95 | Medium grey-green, fine grained, porphyritic andesite<br>Phenocrysts are white plagioclase & are generally<br>< 2 mm. Groundmass is relatively hard & fine grained<br>Numerous limonitic fractures. Slightly magnetic.                                                                                                      | 100             | 762  | 90              |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 914  | 90              |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 1067 | 90              |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 1219 | 100             |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 1280 | 95              | 12.95-14.48 | 97432  | 1.55     | 1.25     | 5.0      | 2490   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 1433 | 100             | 14.48-15.70 | 33     | 1.22     | 1.18     | 3.0      | 2300   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             | 1585 | 100             | 15.70-17.07 | 34     | 1.37     | 0.19     | 3.2      | 1650   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 100             |      |                 | 17.07-18.29 | 97435  | 1.22     | 0.41     | 0.5      | 1670   |
|                    | 12.95 | 15.70 | Intensely altered & oxidized volcanics. Limonitic<br>sericitized andesite (?) hosting extensive specular<br>hematite veinlets & local 1-9 mm vuggy limonitic<br>quartz veins @ ~ 60°. At 15 cm zone of vuggy (?)<br>quartz @ 14.30 m. Vugs may be weathered-out sulfides<br>although limonite is relatively limited in zone |                 | 1707 | 100+            |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             |                 | 1857 | 100             |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             |                 | 1920 | 90*             |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             |                 | 1957 | 95*             |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             |                 | 2073 | 90              |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 60              | 2134 | 65              | 21.18-22.40 | 97436  | 1.22     | 0.07     | 3.5      | 4060   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 95              | 2225 | 35*             | 22.40-23.62 | 37     | 1.22     | 0.14     | 3.8      | 4000   |
|                    | 15.70 | 18.29 | Moderately to weakly altered widely limonitic fine grained<br>volcanic ls. Numerous specular hematite veins & patches (~5%)<br>Locally sericitized & relatively soft rock. Fresher sections<br>slightly magnetic. Local limonite box work.                                                                                  | 95              | 2286 | 100+            | 23.62-26.37 | 38     | 0.75     | 0.07     | 2.0      | 1760   |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             | 90              | 2408 | 95              |             |        |          |          |          |        |
|                    |       |       |                                                                                                                                                                                                                                                                                                                             |                 | 2469 | 95              |             |        |          |          |          |        |

NOTE: Recoveries denoted by \* are estimated. Logged by DMN Checked by \_\_\_\_\_ Hole No. Str-88-8  
 All angles measured from core axis. Date 27/5/88 Date \_\_\_\_\_ Page 1 of 3

# DRILL HOLE RECORD

| Colour Plot & Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                    | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |          |        |  |
|--------------------|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|----------|--------|--|
|                    | from  | to    |                                                                                                                                                                                                                                                                                                |                   | run      | %    |                 |            |        | Au g/ton | Ag g/ton | Cu ppm |  |
|                    | 18.29 | 21.18 | Typical grey-green fine grained andesite w/ local hematite = quartz veining                                                                                                                                                                                                                    |                   | 24.69    | →    |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 25.60    | 95'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 26.37    | 80'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                | 70                | 27.28    | 85'  | 27.12-28.35     | 97439      | 1.05   | 0.14     | 0.9      | 2070   |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 27.74    | 90'  |                 |            |        |          |          |        |  |
|                    | 21.18 | 26.37 | Section of fractured intensely altered volcanics. Widely sericitized & limonitic w/ local specular hematite veins & patches (< 1%). Minor malachite & pyrochlore. Section from ~ 25.00 - 26.37 is extremely crumbly & locally clay rich. Not as well mineralized or as altered as 12.95-15.70. |                   | 28.35    | 40'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 28.96    | 25'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 29.57    | 65'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 30.18    | 45'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 30.63    | 25'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 30.94    | 75'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 31.09    | 50'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 31.24    | 50'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 31.85    | 90'  |                 |            |        |          |          |        |  |
|                    | 26.37 | 27.12 | Typical relatively fresh fairly competent andesite                                                                                                                                                                                                                                             |                   | 32.00    | 50'  |                 |            |        |          |          |        |  |
|                    | 27.12 | 32.75 | Section of extremely weathered (regional) weakly - moderately altered volcanics. Local specular hematite = quartz veining. Poor recovery - fault zone? Locally limonitic. Widespread sericite.                                                                                                 |                   | 32.61    | 85'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 33.83    | 100' |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 35.05    | 95'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 35.66    | 100+ |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 37.19    | 95'  |                 |            |        |          |          |        |  |
|                    | 32.75 | 39.93 | Relatively fresh fine grained medium green andesite. Fairly competent. Local specular hematite veining. Degree of alteration increased toward 39.93. Limonite = pyrochlore on fractures                                                                                                        |                   | 37.49    | 70'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 37.80    | 40'  |                 |            |        |          |          |        |  |
|                    |       |       |                                                                                                                                                                                                                                                                                                |                   | 38.25    | 90'  |                 |            |        |          |          |        |  |

Project Stirling Logged by JAN Checked by \_\_\_\_\_ Hole No. Str-88-8  
 Location Merritt B.C. Date 27/5/88 Date \_\_\_\_\_ Page 2 of 3

# DRILL HOLE RECORD

| Colour Plot 8<br>Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                                          | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |                  |                                |        |  |
|-----------------------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|------------------|--------------------------------|--------|--|
|                       | from  | to    |                                                                                                                                                                                                                                                                                                                      |                   | run      | %   |                 |            |        | Fe       | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Ca ppm |  |
|                       | 37.93 | 40.84 | Section of moderately altered limonitic volcanics<br>1st 15 cm is sericitized/clayed little or no spec.<br>remotely.                                                                                                                                                                                                 |                   | 38.25    | →   |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      | 95                | 38.86    | 95  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 39.32    | 100 | 37.93-40.84     | 97440      | .91    | 0.07     | 0.5              | 51                             |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 40.84    | 90  |                 |            |        |          |                  |                                |        |  |
|                       | 40.84 | 42.06 | Mixed dark green & maroon porphyritic volcanics<br>Relatively soft & friable. No mineralization.                                                                                                                                                                                                                     | 95                | 42.06    | 90  | 42.06-43.59     | 97441      | 1.53   | 0.07     | 0.5              | 272                            |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 43.28    | 90  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 43.87    | 100 |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 44.81    | 100 |                 |            |        |          |                  |                                |        |  |
|                       | 42.06 | 52.43 | Section of variably altered limonitic locally<br>fragmentary (?) volcanics. Generally dark grey<br>except where there is extensive malachite. Widely<br>fractured. Local sections sericitized ± hematite &<br>malachite & pyrite. Samples across more altered sections<br>Gradational contact w/ following interval. |                   | 45.42    | 95  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      | 95                | 46.35    | 75  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 47.25    | 90  | 47.85-49.38     | 97442      | 1.53   | 0.07     | 0.5              | 116                            |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      | 95                | 47.85    | 100 | 49.38-50.90     | 97443      | 1.52   | 0.07     | 9.5              | 2120                           |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 49.38    | 95  |                 |            |        |          |                  |                                |        |  |
|                       | 52.43 | 53.65 | Dark colored fine grained volcanics hosting local<br>hematite/limonite - quartz zones ± malachite & pyrite<br>A 15 section of limonitic clayed volcanics @ 53.40<br>w/ associated malachite. Minor quartz veinlets w/ pyrite @ 53.60                                                                                 |                   | 50.90    | 95  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 52.12    | 100 |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      | 95                | 52.43    | 100 | 52.43-53.65     | 97444      | 1.22   | 0.07     | 1.8              | 9620                           |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 53.65    | 95  |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | 54.56    | 95  |                 |            |        |          |                  |                                |        |  |
|                       | 53.65 | 55.47 | Dark grey - brown med-fine grained andesite w/ local<br>< 2mm quartz veinlets & limonitic fractures.<br>Minor pyrite & scattered hematite. Relatively fresh.                                                                                                                                                         |                   | 55.47    | 100 |                 |            |        |          |                  |                                |        |  |
|                       |       |       |                                                                                                                                                                                                                                                                                                                      |                   | EOH      |     |                 |            |        |          |                  |                                |        |  |
|                       |       |       | EOH                                                                                                                                                                                                                                                                                                                  |                   |          |     |                 |            |        |          |                  |                                |        |  |

Project: Stirling Logged by: JMN Checked by: \_\_\_\_\_ Hole No: Str-88-8  
 Location: Merritt B.C. Date: 27/5/88 Date: \_\_\_\_\_ Page: 3 of 3



# DRILL HOLE RECORD

Property Stirling Location Merritt B.C. District Nicola Hole No. Str-88-9 Length 37.03 m  
 Commenced 27/5/88 Completed 28/5/88 Core Size NQ True Bearing 060° Corr. Dip -  
 Lot. \_\_\_\_\_ Dep. \_\_\_\_\_ Elev. ~ 1354 m Hor. Comp. 15.65 m Vert. Comp. 33.56 m  
 % Recovery poor to fair Collar Dip -65° Date 28/5/88 Objective Deeper intersection below trench 6

| Colour Plot # | DEPTH |             | DESCRIPTION                                                                                                                                                                                                                        | SAMPLE RECOVERY % | RECOVERY |      | Sample Interval | Sample No. | Length | ANALYSIS |            |            |          |
|---------------|-------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|-----------------|------------|--------|----------|------------|------------|----------|
|               | Dips  | from        |                                                                                                                                                                                                                                    |                   | to       | run  |                 |            |        | %        | Au - g/ton | Ag - g/ton | Cu - ppm |
|               |       | 0 - 610     | Casing - no recovery                                                                                                                                                                                                               |                   | 0 →      |      |                 |            |        |          |            |            |          |
|               |       | 610 - 1265  | Dark green to brown indistinctly porphyritic andesite (basalt). Groundmass fine grained. Phenocryst are likely plagioclase. Section from 610 - 1128 is very broken w/ limonite c/a pyrite on fractured surfaces. Slightly magnetic | Matched           | 610      | 0    |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 640      | 40   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 732      | 25   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 762      | 100  |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 823      | 40   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 869      | 85   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 884      | 100  |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 945      | 100  |                 |            |        |          |            |            |          |
|               |       | 1265 - 1356 | Limonitic sericitized (intensely altered) volcanics. Earthy texture. Soft Pyrite on fractures.                                                                                                                                     |                   | 1006     | 90   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 1067     | 95   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 1128     | 100  |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 100      | 1280 | 100             | 1265-1356  | 97445  | .91      | 0.07       | 0.8        | 2500     |
|               |       | 1356 - 1448 | Relatively fresh - weakly altered fine grained andesite. Limonite on fracture surfaces. Minor hematite w/ associated malachite                                                                                                     |                   | 100      | 1311 | 100             | 1356-1448  | 46     | .92      | 0.14       | 1.0        | 2150     |
|               |       |             |                                                                                                                                                                                                                                    |                   | 90       | 1433 | 100             | 1448-1555  | 47     | 1.07     | 2.06       | 6.0        | 1680     |
|               |       |             |                                                                                                                                                                                                                                    |                   | 100      | 1585 | 90              | 1555-1737  | 48     | 1.82     | 0.48       | 1.5        | 770      |
|               |       |             |                                                                                                                                                                                                                                    |                   | 95       | 1737 | 100             | 1737-1859  | 97449  | 1.22     | 0.27       | 1.8        | 530      |
|               |       |             |                                                                                                                                                                                                                                    |                   | 1890     | 95   |                 |            |        |          |            |            |          |
|               |       |             |                                                                                                                                                                                                                                    |                   | 2042     | 95   |                 |            |        |          |            |            |          |

NOTE: Recoveries denoted by \* are estimated. Logged by DMN Checked by \_\_\_\_\_ Hole No. Str-88-9  
 All angles measured from core axis. Date 28/5/88 Date \_\_\_\_\_ Page 1 of 2

# DRILL HOLE RECORD

| Colour Plot & Dips | DEPTH |       | DESCRIPTION                                                                                                                                                                                                                                                                                  | SAMPLE RECOVERY % | RECOVERY |     | Sample Interval | Sample No. | Length | ANALYSIS |     |      |    |
|--------------------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|-----|-----------------|------------|--------|----------|-----|------|----|
|                    | from  | to    |                                                                                                                                                                                                                                                                                              |                   | run      | %   |                 |            |        | Fe       | Si  | Al   | Ca |
|                    | 14.48 | 15.55 | Section of intensely altered volcanics almost completely replaced by quartz-hematite-limonite mineralization. Quartz (30%) is vuggy (weathered pyrite?) & white-grey in color. Hematite (30%) is generally specular & limonite (20%) closely associated w/ quartz.                           | 100               | 20.42    | 100 | 20.42-21.95     | 97450      | 1.53   | 0.14     | 0.8 | 1640 |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              | 95                | 21.95    | 100 | 21.95-22.86     | 97451      | .91    | 0.07     | 8.8 | 6300 |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 22.86    | 95  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 23.17    | 75  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 24.08    | 70  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 24.99    | 15  |                 |            |        |          |     |      |    |
|                    | 15.55 | 18.59 | Section of weakly-moderately altered andesite hosting widespread hematite (10%) & limonite (2%) ± quartz mineralization. Hematite forms irregular veins & the limonite occurs on fracture surfaces. Patchy quartz occurs intimately w/ the iron mineralization but is limited in occurrence. |                   | 26.52    | 15  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 28.04    | 30  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 28.15    | 60  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 29.57    | 55  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 30.18    | 60  |                 |            |        |          |     |      |    |
|                    | 18.59 | 21.95 | Typical, competent, fine grained green andesite w/ minor coarsely disseminated & banded specular hematite w/ associated quartz & limonite. Local vuggy sections with limonite/hematite fillings. Limonite on fracture surface.                                                               |                   | 30.48    | 75  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 31.09    | 50  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 31.70    | 50  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 33.53    | 35  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 34.14    | 70  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 34.75    | 35  |                 |            |        |          |     |      |    |
|                    | 21.95 | 22.86 | Section of crumbly limonitic intensely altered volcanics (?). Dominantly clay coated < 5mm fragments.                                                                                                                                                                                        |                   | 35.20    | 90  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 35.51    | 100 |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | 36.42    | 65  |                 |            |        |          |     |      |    |
|                    | 22.86 | 37.03 | Very broken, blocky (reground) relatively fresh fine grained, locally porphyritic, green-brown andesite. Locally limonitic. Little or no other mineralization.                                                                                                                               |                   | 37.03    | 95  |                 |            |        |          |     |      |    |
|                    |       |       |                                                                                                                                                                                                                                                                                              |                   | EoH      |     |                 |            |        |          |     |      |    |

Note: Hole abandoned due to blocky ground

Project Stirling Logged by DMN Checked by \_\_\_\_\_ Hole No. Str 88-9  
 Location Merritt B.C. Date 28/5/88 Date \_\_\_\_\_ Page 2 of 2

**APPENDIX D**  
**Petrological Report**



# Vancouver Petrographics Ltd.

JAMES VINNELL, Manager  
JOHN G. PAYNE, Ph. D. Geologist

P.O. BOX 39  
8887 NASH STREET  
FORT LANGLEY, B.C.  
VOX 1JO

Report for: David Nelles,  
Searchlight Resources Inc.,  
218 - 744 West Hastings Street,  
VANCOUVER, B.C., V6C 1A5

PHONE (604) 888-1323  
Invoice 6943

TS-1 Altered Porphyritic, Amygdaloidal Andesite/Basalt cut by vein  
of Quartz-Hematite-(Chlorite-Native Gold)

The rock contains phenocrysts of plagioclase and lesser mafic phenocrysts and patches of magnetite, and a few fragments(?) of latite/andesite in an extremely fine to very fine grained groundmass containing lathy plagioclase intergrown with chlorite and hematite. Amygdules are dominated by quartz (large amygdules) and chlorite (small amygdules). The vein is banded, with bands rich in quartz-(chlorite) interlayered irregularly with those rich in hematite. Alteration in patches and veinlets is to limonite; one zone of limonite contains a cluster of native gold grains.

|                      |        |             |        |
|----------------------|--------|-------------|--------|
| phenocrysts          |        | vein        |        |
| plagioclase          | 15-17% | quartz      | 15-17% |
| mafic                | 3- 4   | hematite    | 7- 8   |
| magnetite            | 0.5    | chlorite    | 2- 3   |
| groundmass           |        | limonite    | 1- 1½  |
| plagioclase/sericite | 17-20  | native gold | trace  |
| chlorite             | 17-20  |             |        |
| hematite             | 2- 2½  | patches     |        |
| amygdules            |        | plagioclase | 2- 3   |
| quartz               | 7- 8   | chlorite    | 0.5    |
| chlorite             | 3- 4   |             |        |
| hematite             | minor  |             |        |

Plagioclase forms subhedral to locally euhedral phenocrysts averaging 0.5-1.2 mm in size. Alteration is strong to complete to very fine grained sericite with minor to moderately abundant chlorite of similar texture. Chlorite is pleochroic from pale to light or medium green.

Several patches up to 1.5 mm in size appear to have subhedral to euhedral outlines, suggesting that they are plagioclase phenocrysts. However, internally they consist of aggregates of equant, slightly interlocking plagioclase grains averaging 0.05-0.08 mm in size, with minor to moderately abundant patches and seams of slightly yellowish green chlorite. Some of these are associated with mafic phenocrysts.

Mafic phenocrysts are subhedral to euhedral in outline and average 0.5-1.2 mm in size. They are altered completely to aggregates of extremely fine to very fine, medium yellowish green chlorite. In some, seams and patches of hematite are interstitial to chlorite.

Magnetite forms scattered grains up to 0.7 mm in size (averaging 0.1-0.2 mm). These are altered strongly to completely to hematite.

The groundmass contains lathy plagioclase up to 0.08 mm in length (altered strongly to completely to sericite) surrounded by yellowish green chlorite (as in the mafic phenocrysts), and with moderately abundant disseminated hematite spots of extremely fine grain size.

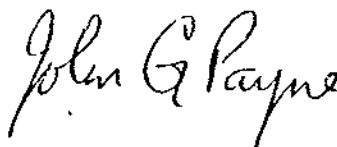
Amygdules up to several mm across are dominated by very fine to fine grained quartz, in part showing radiating textures. These contain patches of very fine to locally fine grained chlorite, commonly concentrated along borders of the amygdules. Smaller amygdules (up to 1 mm across) commonly consist of radiating to irregular aggregates of chlorite, with grain size varying directly with the size of the amygdule. Hematite occurs in a few larger amygdules as anhedral to subhedral grains up to 0.2 mm in size.

The vein is banded, with layers up to 1 mm in width dominated by hematite and others up to 1.5 mm in width dominated by quartz with lesser chlorite. Hematite commonly forms clusters of thin plates in subparallel orientation; some of these are bent. Plates average 0.1-0.5 mm in length. Intergrown with hematite is minor to moderately abundant quartz, and locally moderately abundant chlorite.

Quartz ranges from very fine to fine grained. Some of the finer grained quartz appears to have been recrystallized from coarser grained quartz, possibly related to deformation along the vein. Finer grained quartz commonly is intergrown with minor to abundant, extremely fine to very fine grained chlorite of pale to light green color (similar to that in plagioclase phenocrysts).

Native gold occurs in a cluster of 5 grains from 0.01-0.02 mm in size. These are associated with a patch of limonite (after hematite). Grains are equant to slightly elongated, and irregular in outline.

Limonite and quartz (locally with chlorite) form wispy veinlets cutting the rock and the earlier main vein. Some limonite patches up to 1 mm across are secondary after vein hematite. This sample was taken from the north end of trench T86-8.



John G. Payne



# Vancouver Petrographics Ltd.

JAMES VINNELL, Manager  
JOHN G. PAYNE, Ph.D. Geologist  
A.L. LITTLEJOHN, M.Sc. Geologist  
JEFF HARRIS, Ph.D. Geologist

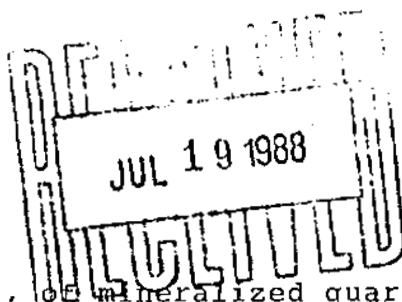
P.O. BOX 39  
8887 NASH STREET  
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VOX 1J0

PHONE (604) 888-1323

Report for: David M. Nelles,  
Searchlight Resources Inc.,  
218-744 West Hastings St.,  
Vancouver, B.C.  
V6C 1A5

Invoice 7455

July 15th, 1988



## Samples:

One sample, designated #1, of mineralized quartz from the Stirling Project, for sectioning and petrographic examination. Sample taken from diamond drill hole STR-88-1 @ 59 m.

## Description:

### Silicified rock

#### Estimated mode

|                 |       |
|-----------------|-------|
| Quartz          | 50    |
| Silicified rock | 42    |
| Sericite        | 4     |
| Clay            | trace |
| Hematite        | 2     |
| Limonite        | 2     |
| Chalcopyrite    | trace |

This is a texturally heterogenous sample which displays the typical features of an intensely silicified rock. The character of the protolith is indeterminate, but the presence of remnant, crypto-porphyrific forms suggest that it may have been volcanic. Pervasive silicification has apparently occurred in conjunction with micro-brecciation and veining.

The rock now consists largely of quartz, of grain size 0.01 - 1.0mm. The coarser quartz forms individual grains, angular clumps, and veniform segregations within a fine, cherty matrix/interstitial phase. The latter is sometimes dusted with minutely fine-grained

sericite, and may include some remnant, felsitic plagioclase; it is designated "silicified rock" in the modal estimate to distinguish it from the coarser, segregated quartz.

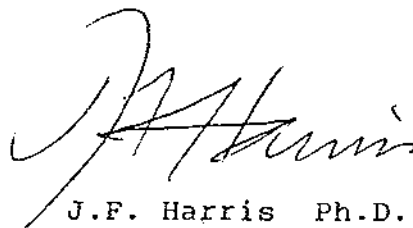
Sericite also occurs as scattered, more concentrated wisps and segregations which may, in part, represent remnant phenocrysts. A few pockets of clay are also seen.

Opagues consist almost entirely of Fe-oxides. Hematite occurs as disseminated, markedly acicular or flaky grains, 20 - 200 microns in size. These tend to segregate in patches, and generally appear to favour the fine-grained, cherty quartz (altered felsite) rather than the coarser clumps and veins - though a few examples are seen where well-formed hematite flakes occur in the latter.

The hematite has the appearance of being a primary component - or one associated with the silicification process.

The other oxide is limonite, which occurs as crustified coatings on irregular micro-fractures; as intergranular threads, pockets and coalescent areas of permeation/replacement; and as zones of diffuse staining. The limonite appears to be mainly of redistributed origin. A few limonitized pockets show poorly developed pseudomorphic forms and vuggy boxwork textures, possibly representing oxidized sulfides.

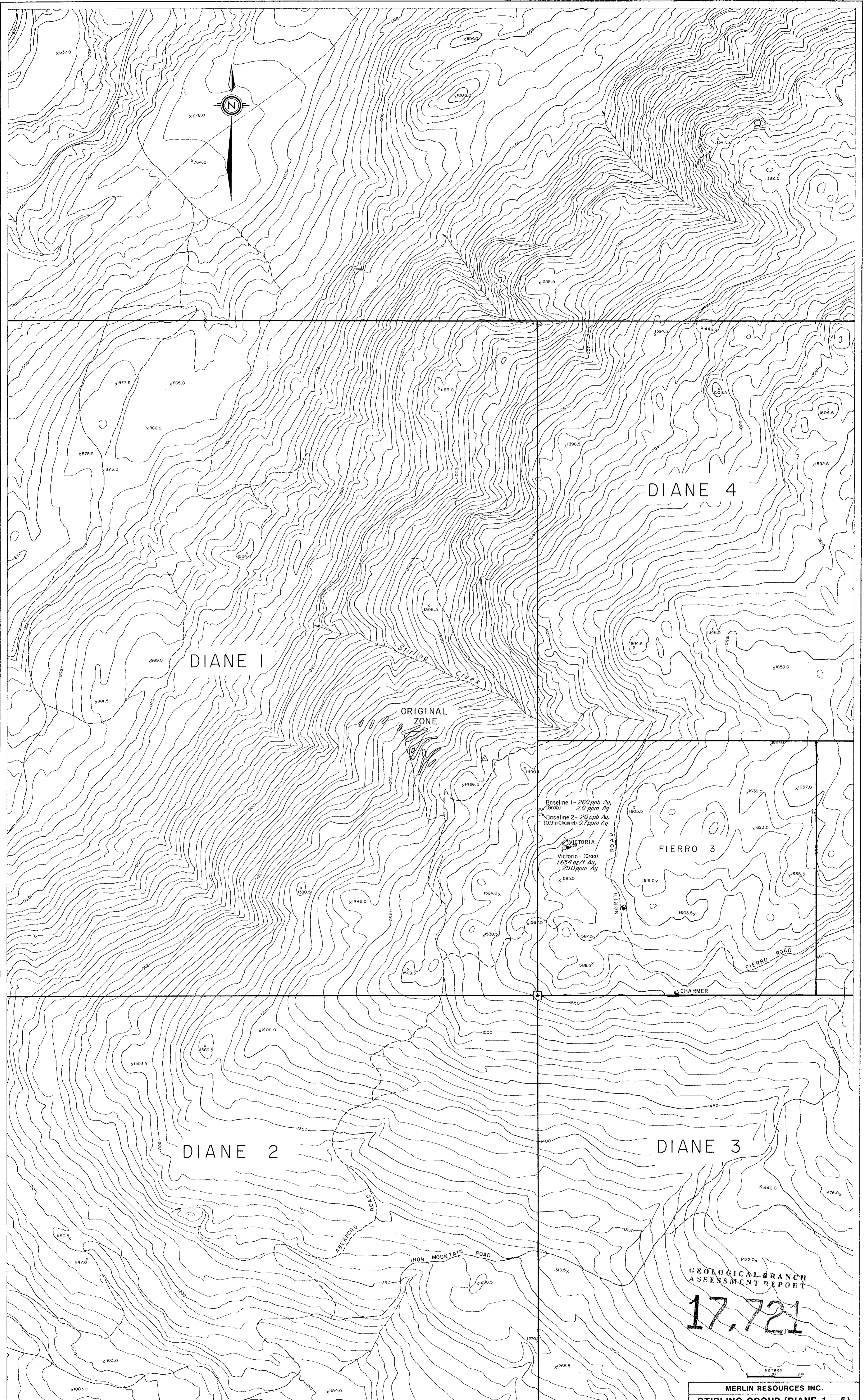
The only sulfides now seen are rare, minute specks of fresh chalcopyrite. No gold was found.



J.F. Harris Ph.D.

(phone: 929-5867)





DIANE 1

DIANE 4

FIERRO 3

DIANE 2

DIANE 3

ORIGINAL ZONE

Baseline 1 - 260 ppb Au, (Grab)  
2.0 ppm Ag  
Baseline 2 - 20 ppb Au,  
(0.9m Channel) 0.7 ppm Ag  
VICTORIA  
Victoria - (Grab)  
1654 oz/1 Au,  
29.0 ppm Ag

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,721

METRES  
0 100 200

- LEGEND**
- Vain
  - Shaft
  - Trench
  - Survey Reference (See Figure 5)

Sheet Index  
2

PRELIMINARY RECONNAISSANCE TYPE MAPPING  
Scale and elevation shown shall not be held against original resulting in good results  
but accuracy may vary.



**THE McELHANNEY GROUP LTD.**  
1166 Alberni Street, Vancouver, B.C., Canada  
Compiled from aerial photography taken in 1979  
at an approximate scale of 1:20,000

|                         |                            |
|-------------------------|----------------------------|
| SCALE 1:5000            | CONTOUR INTERVAL 10 Metres |
| DATE COMPILED June 1984 | SHEET NUMBER               |

**MERLIN RESOURCES INC.**  
**STIRLING GROUP (DIANE 1 - 5)**  
NICOLA MINING DIVISION, B.C.

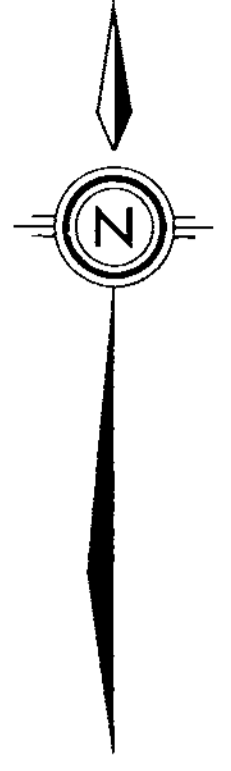
**PROPERTY PLAN**  
(INCLUDING SAMPLE LOCATIONS & RESULTS)

SEARCHLIGHT RESOURCES INC.

|                  |               |              |
|------------------|---------------|--------------|
| DATE: JUNE, 1980 | SCALE: 1:5000 | FIGURE NO. 4 |
|------------------|---------------|--------------|



To TRENCH T86-1 to T86-4



TRENCH T86-5

15-18NE- <5,0,4  
12-15NE- <5,0,6  
9-12NE- <5,0,4  
6-9NE- <5,0,4  
3-6NE- <5,0,3  
0-3NE- 5,0,4

TRENCH T86-6

TRENCH T86-7

TRENCH T86-8

TRENCH T86-9

DDH-STR-88-7

DDH-STR-88-6

DDH-STR-88-8

DDH-STR-88-9

DDH-STR-88-4

DDH-STR-88-5

DDH-STR-88-1

DDH-STR-88-2

DDH-STR-88-3

0m Stake

0m Stake

1400

1450

X 466.5m

Reference Tree (See Figure 4)

To Shirling Creek

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,721

LEGEND

- ⊙ Survey Hub
  - DDH-STR-88-1 Diamond Drill Hole Collar
  - Cat Trench
  - Road/Trench
  - X Spot Elevation
  - 1400 Contour (metres)
  - 0-3NE-5,0,4 1988 Channel Sample Au (ppb), Ag (ppm)
- Contours @ 10 m and are tied into a surveyed reference point on the Iron Mountain Orthophoto.



|                                                                    |                 |                |
|--------------------------------------------------------------------|-----------------|----------------|
| MERLIN RESOURCES INC.                                              |                 |                |
| STIRLING GROUP (DIANE 1 - 5)                                       |                 |                |
| NICOLA MINING DIVISION, B. C.                                      |                 |                |
| ROAD & TRENCH<br>LOCATION MAP<br>(With Diamond Drill Hole Collars) |                 |                |
| SEARCHLIGHT RESOURCES INC.                                         |                 |                |
| DATE<br>JUNE, 1988                                                 | SCALE<br>1:1000 | FIGURE No<br>5 |