

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.06.16

ASSESSMENT REPORT 17546

MINING DIVISION: Atlin

PROPERTY: Yellowjacket

LOCATION: LAT 59 36 00 LONG 133 33 00

UTM 08 6607551 581850

NTS 104N12E

CLAIM(S): Arent 1-II, Beama, Zip, Rip, Wind II, YJ 7-8, Balsam, Pictou, Jack 29
CG 721

OPERATOR(S): Homestake Min. Dev.

AUTHOR(S): McIvor, D.F.

REPORT YEAR: 1988, 279 Pages

GEOLOGICAL

SUMMARY: Pennsylvanian/Permian Cache Creek Group andesites are intruded by Permian ultramafics. At the contact, structurally controlled hydrothermal alteration consisting of silicification and carbonatization contains sporadic thin high grade gold quartz veins.

WORK

DONE:

Drilling, Physical

ROAD 50.0 km

ROTD 2195.0 m 45 hole(s)

Map(s) - 6; Scale(s) - 1:100, 1:1000, 1:10 000, 1:20 000

SAMP 1136 sample(s) ;AU,ME

RELATED

REPORTS: 17492

MINFILE: 104N 030, 104N 043, 104N 007, 104N 044

LOG NO: 0627	RD.
ACTION:	
FILE NO:	

FILMED

SUMMARY REPORT

THE RESULTS OF A ROTARY REVERSE-CIRCULATION
DRILLING PROGRAM, ATLIN AREA PROPERTIES
(INCLUDING ARENT I, ARENT II, BEAMA, YJ 7, YJ 8,
BALSAM, PICTOU, JACK 29, CG 721 AND ADJACENT CLAIMS)

NORTH, SOUTH, WEST, LAKE AND REVERSE CLAIM GROUPS

ATLIN MINING DIVISION, BRITISH COLUMBIA

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,546

NTS: 104N.12E
LATITUDE: 59° 36' NORTH
LONGITUDE: 133°33' WEST
OWNER: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.
OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY LTD.
BY: DUNCAN MCIVOR
DATE: JANUARY 1988

CLAIMS FORMING PROPERTIES COVERED BY THIS REPORT

YELLOWJACKET PROPERTY

ARENT II (2076), BEAMA (2346), CAL II (2141), CUB FR. (2087),
DISCOVERY (2089), JACK 12 (2737), JACK 13 (2738),
JACK 14 (2739), JACK 15 (2740), JACK 16 (2741),
JACK 17 FR (2742), JACK 2 (2720), JACK 3 (2721),
JACK 4 FR (2708), JACK 5 (2722), JACK FR. (2732),
RIP (2482), TED (2182), WEDGE FR. (2088),
ZIP (2479), TED FR. (2758), YJ 18 FR (2686),
YJ 19 FR (2687), YJ 21 FR (2688), YJ 22 FR (2689),
YJ 23 FR (2690), YJ 6 (2677),
ARENT I (2090), GIN (2468), JACK 10 FR (2735),
JACK 11 FR (2736), JACK 7 (2724), JACK 9 FR (2734),
TIP (2483), TONIC (2469), TOP I (2480),
TOP II (2481), WIND I (2472), WIND II (2473),
YJ 16 (2684), YJ 17 FR (2685), YJ 7 (2678),
YJ 8 (2679), YJ 9 (2680).

BALSAM PROPERTY

BALSAM (2318)

PICTOU PROPERTY

ML 32

(PICTOU AND SCARAB CLAIMS, LSG43 & LSG44)

JACK 29 PROPERTY

JACK 29 (2750)

CG 721 PROPERTY

CG 721

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1. SUMMARY

During the period October 19 through November 20, 1987, 45 rotary reverse-circulation drill holes, totalling 2,195 meters were completed on several properties in the Atlin area currently under exploration by Homestake Mineral Development Company Ltd.

The holes were designed to test both geophysical targets (linear vertical gradient magnetic lows thought to represent structurally controlled zones of hydrothermal alteration) and geological targets (surface showings) in the search for precious metal mineralization.

In the course of the drilling, 1,136 bedrock chip samples were collected and analyzed for Au and a suite of 30 additional elements.

Several of the 45 drill holes intersected the targeted hydrothermal alteration, (silica-carbonate alteration of both ultramafic intrusive and andesitic volcanic rocks), but generally the analytical results were disappointing.

Only 44 of the 1,136 samples returned anomalous gold values of greater than 50 ppb, from 17 of the 45 holes. Only one ore grade intersection, of 0.29 opt/1.5 meters was returned from a hole designed to test the down dip extension of a mineralized vein on the Pictou Property.

2. INTRODUCTION

2.1 Scope of Report, and Property Terminology

This report serves to briefly summarize the results of a rotary reverse-circulation drilling program carried out by Homestake Mineral Development Company Ltd. on several of their properties currently under exploration in the Atlin area of northwestern British Columbia. The work was completed during October and November of 1987.

The drilling took place on 14 different claims, from 5 different claim groups, as summarized in Figure 8 of this report.

Of the 45 holes completed, 34 were drilled on claims constituting the "Yellowjacket" property, 7 on the "Pictou" property, 2 on the "Balsam" property, and one on each the Jack 29 and CG721 properties.

2.2 Location, Access, and Physiography

The Atlin area properties on which the drilling took place are located along the Pine Creek valley and its flanking hills, extending east from Atlin Lake for approximately 15 kilometers. Figure 1 illustrates the location of the Atlin area, and Figures 2 through 6 the locations of the claims and properties discussed in this report.

Access to the properties is good, predominantly via an all season gravel road extending east from Atlin, from which several secondary gravel and bush roads extend into the various claim groups.

Pine Creek is the site of historic and presently producing placer gold mining operations. Its valley is now for the most part occupied by placer tailings.

2.3 Property Definition

2.3.1. Histories of the Properties

Most of the hard rock gold showings in the Atlin area were discovered and worked by prospects in the original placer gold rush of 1899-1900.

On the Yellowjacket Property, several quartz veins carrying free gold were discovered along Pine Creek in 1899 by placer miners. The claims were acquired by the Nimrod Syndicate, and shallow shafts were sunk on the Yellowjacket showing (B.C. Dept. Mines Annual Reports; 1902; p. 984; 1903, p. H38; 1904, p.H44; and 1933, p.A78-79), the Rock of Ages showing (B.C. Dept. Mines Annual Reports; 1903, p. H38; 1905, p. G78), and the Red Jacket showing (B.C. Dept. Mines Annual Reports; 1901, p. 759; 1905, p. G77-78). Development work was discontinued in 1903 or 1904.

Since that time, almost all surface features related to the early development work have been obliterated by placer mining operations, and the exact locations of the original discoveries is not known.

In 1983, the area around the old discoveries was staked by local prospectors, and subsequently optioned by Canova Resources and Tri-Pacific Resources, both of Vancouver. These companies carried out ground geophysics, diamond drilling, and rotary drilling during 1984 and 1985.

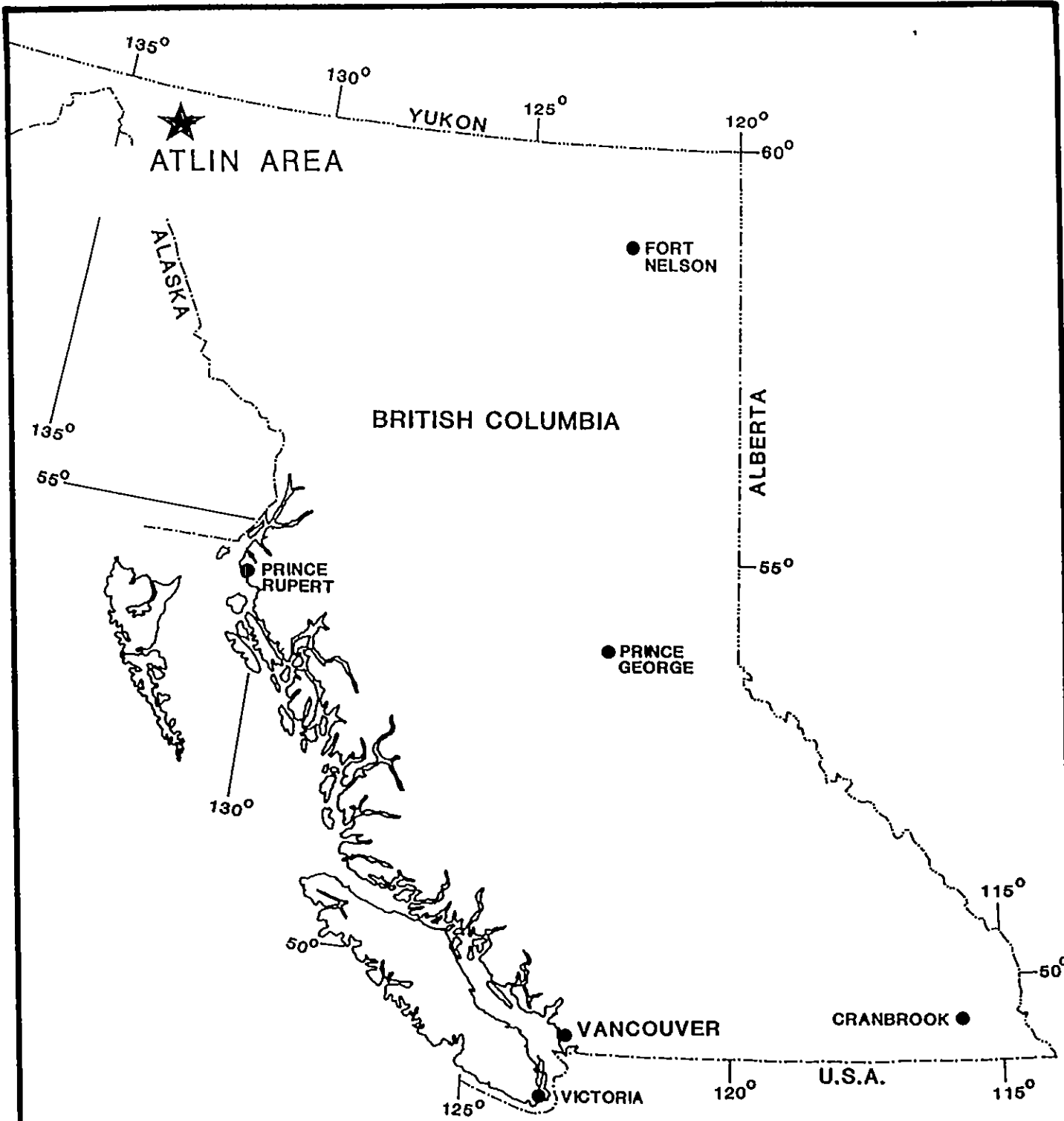
Homestake Mineral Development Company Ltd., under terms of an option agreement with Canova Resources Ltd., acquired the ground in 1986. They have to date completed programs of airborne and ground geophysics, mapping and diamond drilling on various portions of the property.

The Pictou Property was probably also first worked in 1900, when 30 meters of drifting was completed beneath an auriferous quartz vein exposed on surface. The showing saw limited exploration work in the 1930's and 1960's, but no concerted exploration program until early 1987, when the property was optioned by Homestake Mineral Development Company Ltd. from Shirley Connolly, of Atlin, B.C.

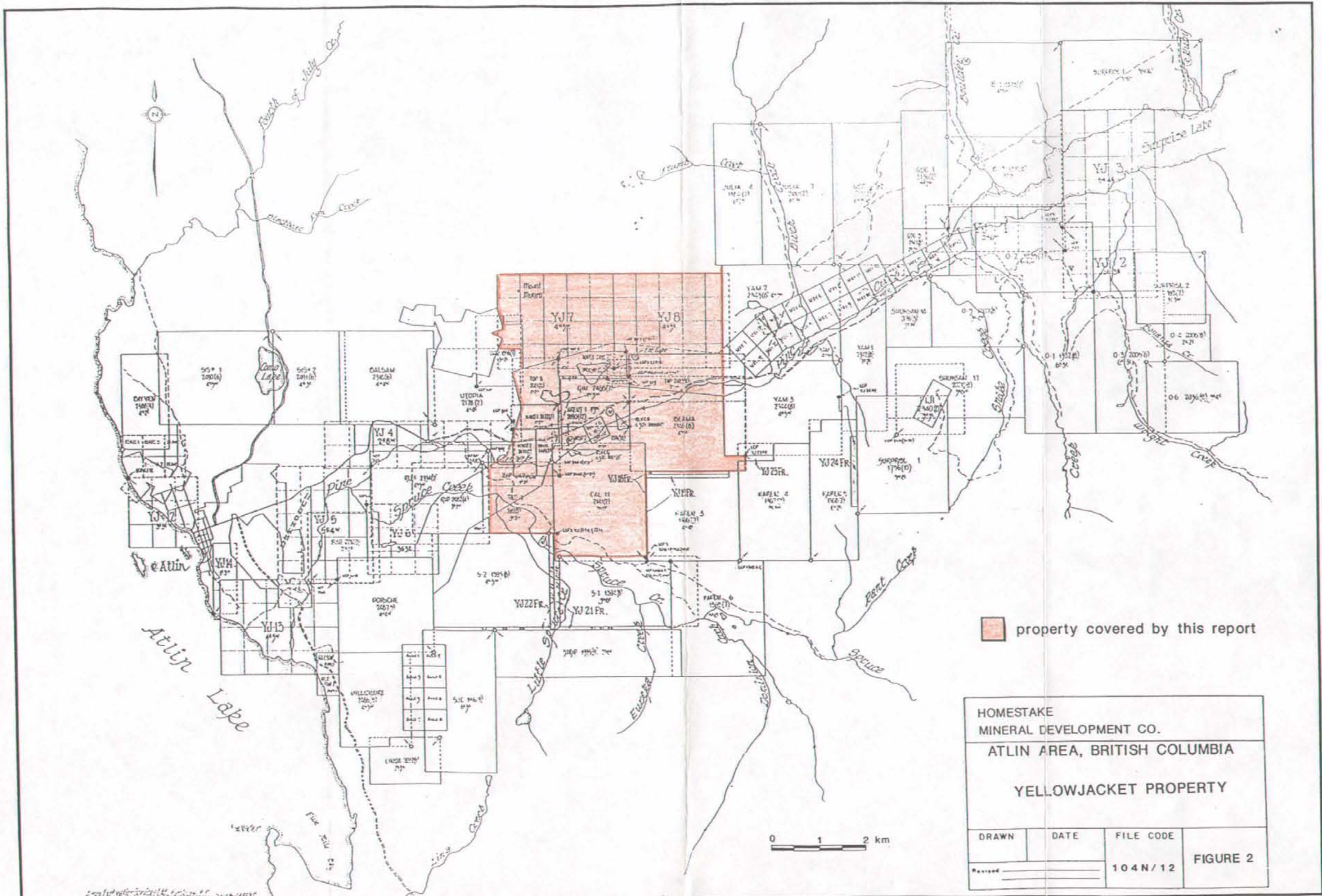
No known exploration work was performed on the Balsam, Jack 29 or CG721 properties prior to acquisition by Homestake in 1986.

2.3.2. Owner and Operator

Homestake Mineral Development Company Ltd. is owner and operator of all claims covered by this report, under the terms of several different option agreements.

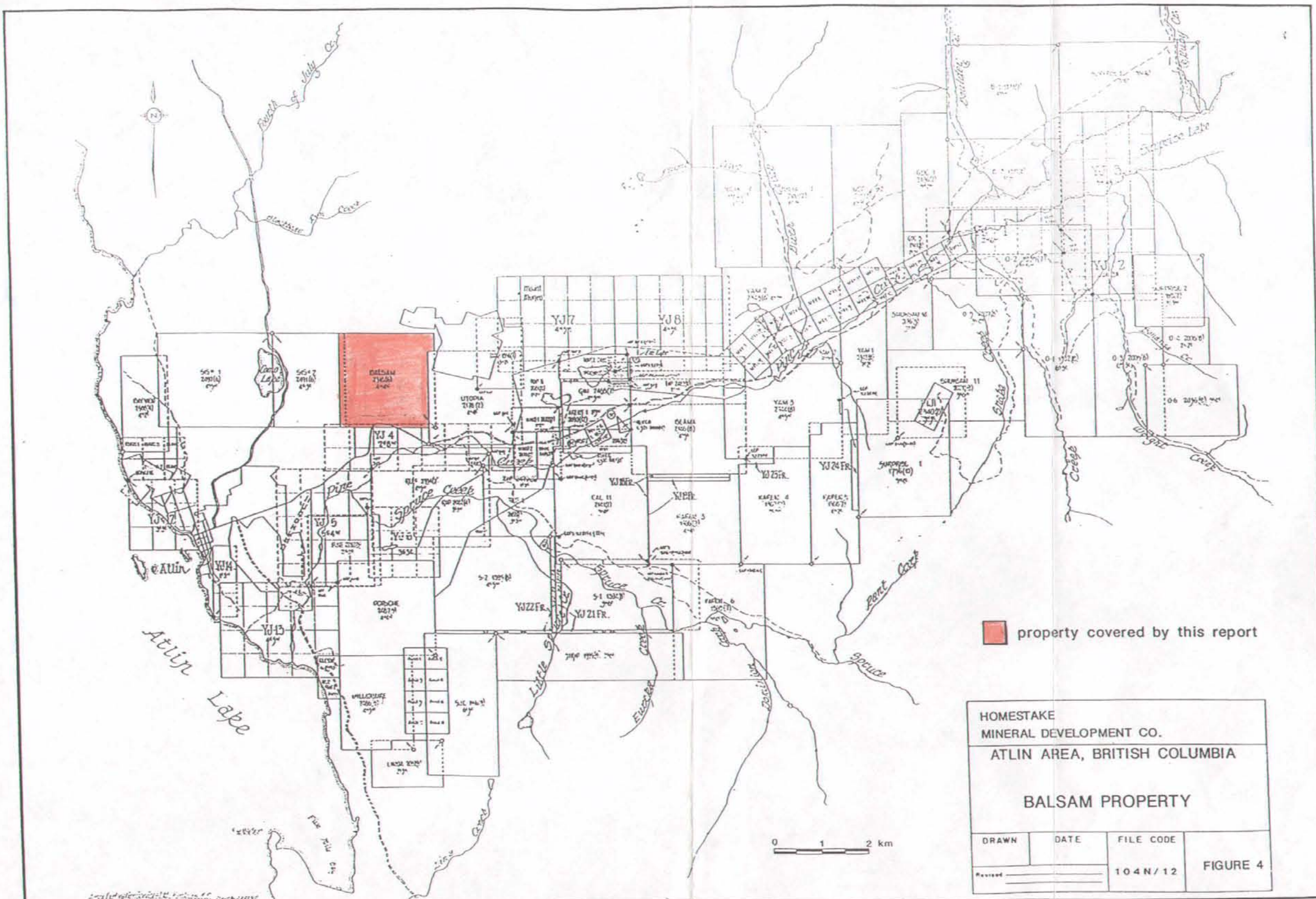



HOMESTAKE MINERAL DEVELOPMENT COMPANY			
ATLIN PROJECTS BRITISH COLUMBIA			
LOCATION MAP			
DRAWN KMc	DATE 11/87	FILE CODE 104N/11;12	map 1
Revised _____			



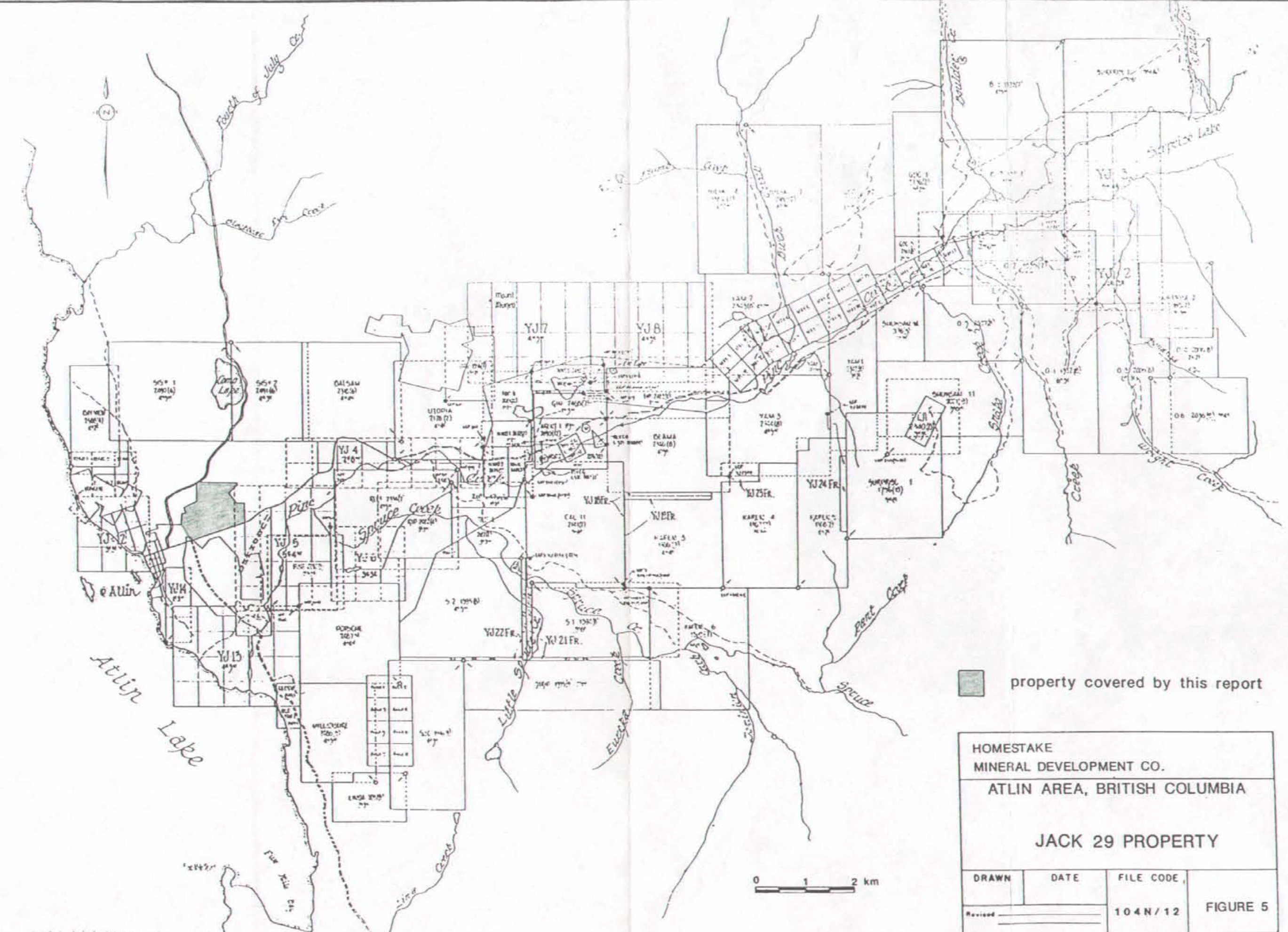
 property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO. ATLIN AREA, BRITISH COLUMBIA YELLOWJACKET PROPERTY			
DRAWN _____ Revised _____	DATE _____	FILE CODE 104N/12	FIGURE 2



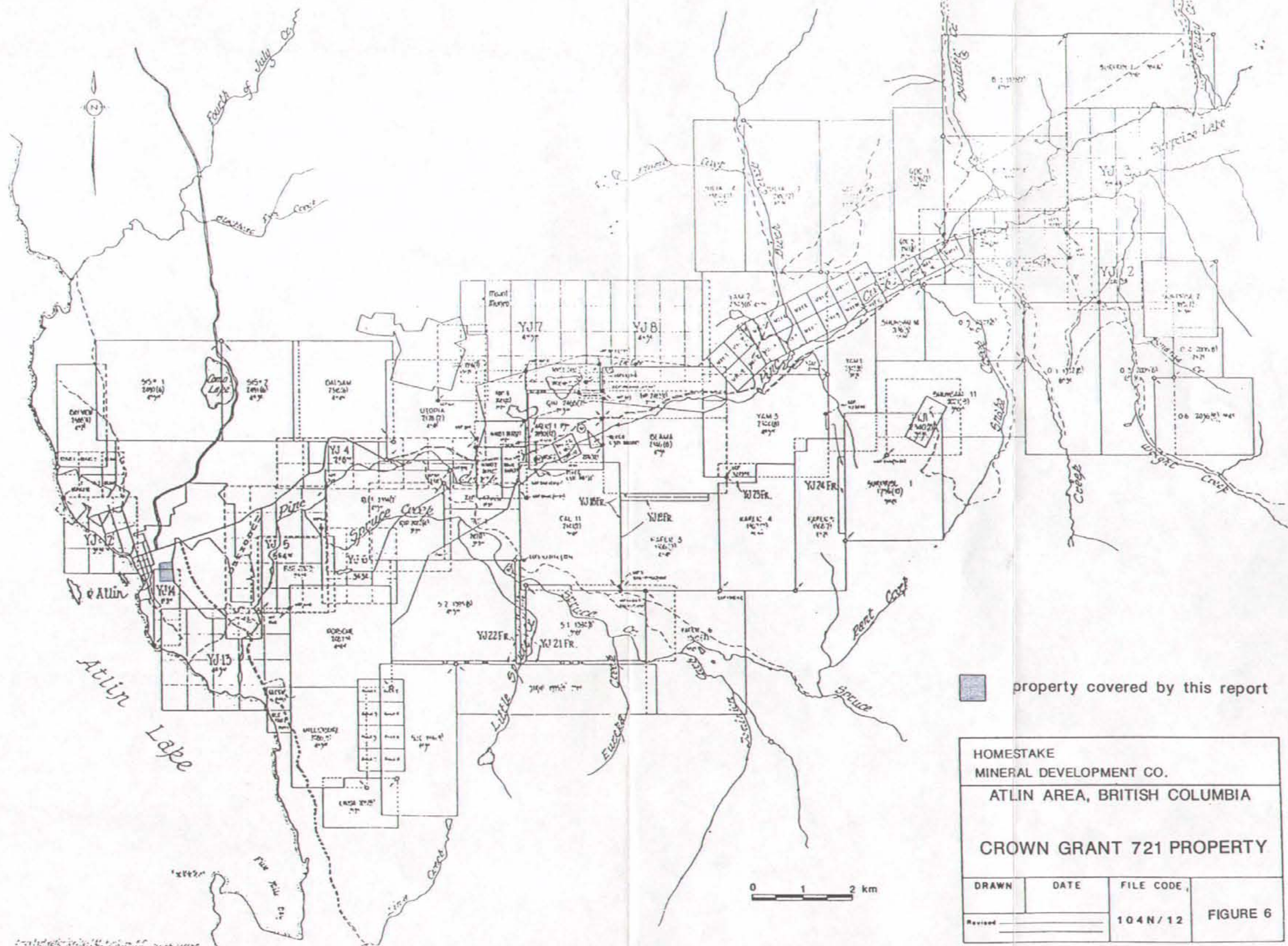
 property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO. ATLIN AREA, BRITISH COLUMBIA			
BALSAM PROPERTY			
DRAWN	DATE	FILE CODE	FIGURE 4
		104N/12	



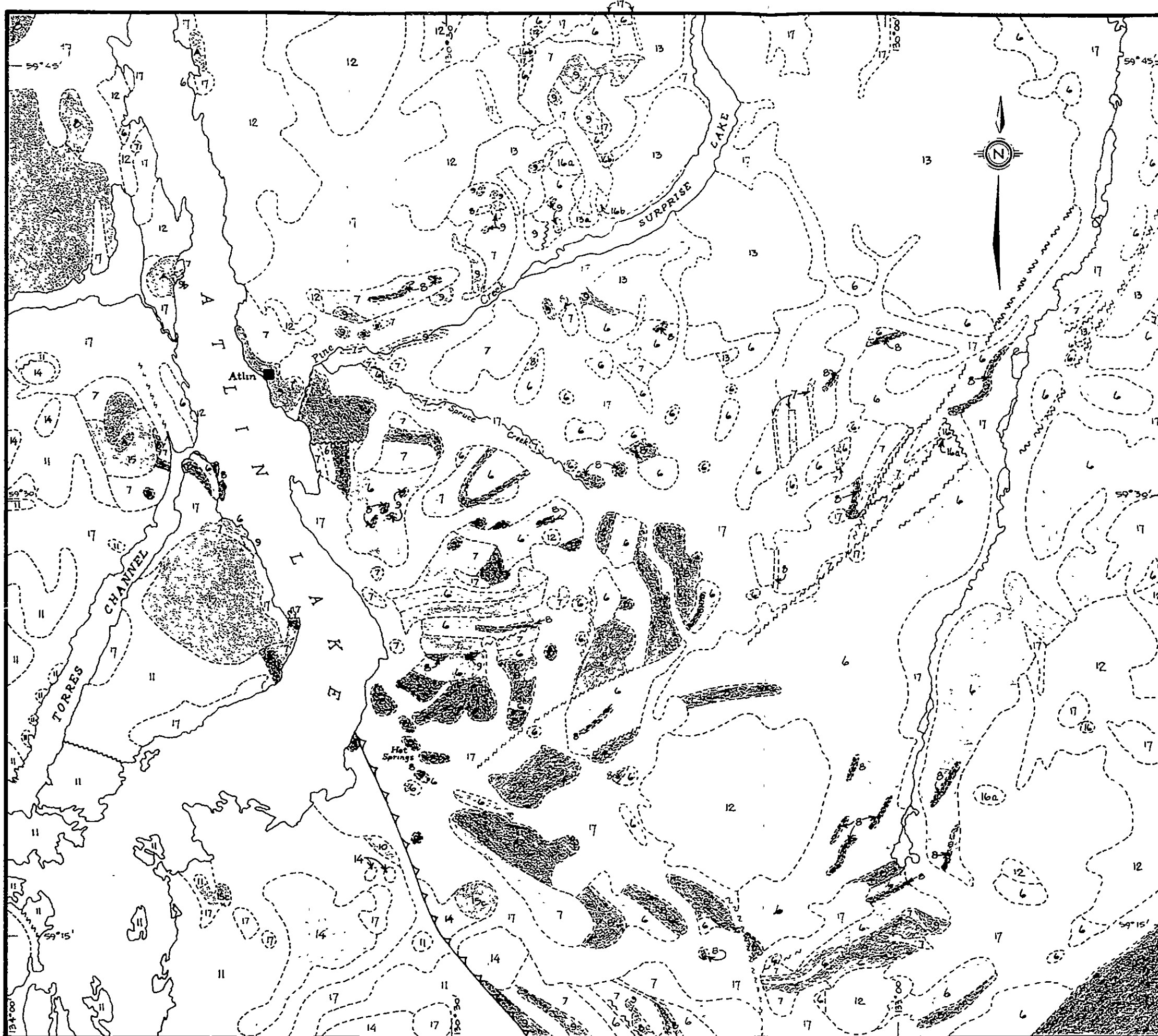

 property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO.			
ATLIN AREA, BRITISH COLUMBIA			
JACK 29 PROPERTY			
DRAWN _____	DATE _____	FILE CODE 104N/12	FIGURE 5
Revised _____	_____	_____	



■ property covered by this report

HOMESTAKE MINERAL DEVELOPMENT CO.			
ATLIN AREA, BRITISH COLUMBIA			
CROWN GRANT 721 PROPERTY			
DRAWN	DATE	FILE CODE	FIGURE 6
Revised		104N/12	



LEGEND

- CENOZOIC**
QUATERNARY
 PLEISTOCENE AND RECENT
 17 GLACIAL DRIFT ; ALLUVIUM
- TERTIARY AND QUATERNARY**
 16 OLIVINE BASALT AND SCORIA ;
 16a TERTIARY 16b. PLEISTOCENE
- TERTIARY (?)**
 15 15a QUARTZ MONZONITE 15b GRANOPHYRE
 15c GABBRO AND DIORITE
- CRETACEOUS OR TERTIARY**
 14 SLOKO GROUP
 ANDESITE, BASALT ; ALBITE TRACHITE,
 ALBITE RHYOLITE, DACITE AND RELATED
 PYROCLASTIC ROCKS ; CONGLOMERATE,
 SANDSTONE
- CRETACEOUS**
 13 ALASKITE
- JURASSIC (MAY BE IN PART OLDER OR YOUNGER)**
 12 COAST INTRUSIONS
 UNDIFFERENTIATED GRANITIC ROCKS
- JURASSIC**
 11 LABERGE GROUP
 VOLCANIC GREYWACKE, SILTSTONE,
 MUDSTONE, SHALE, CONGLOMERATE
- TRIASSIC**
 10 GREYWACKE, CHERT, ARGILLITE, CONGLOMERATE,
 TUFF, SLATE, GREENSTONE,
 IMPURE LIMESTONE, JASPER
- PALEOZOIC**
PENNSYLVANIAN AND PERMIAN
- ATLIN INTRUSIONS
 PERIDOTITE ; META-DIORITE AND META-GABBRO ;
 SERPENTINITE ; CARBONITIZED SERPENTINITE ; TALC-BEARING (STEATITIZED) ULTRAMAFIC ROCKS
- CACHE CREEK GROUP
 8. LIMESTONE AND LIMESTONE BRECCIA
 7. GREENSTONE AND VOLCANIC GREYWACKE ;
 DERIVED AMPHIBOLITE ;
 MINOR 6 AND 8
 6 CHERT, ARGILLITE, CHERT-PEBBLE CONGLOMERATE AND CHERT BRECCIA ;
 QUARTZITE AND SCHIST ; MINOR 7 AND 8
- UNDIFFERENTIATED, MAINLY VOLCANIC ROCKS OF UNCERTAIN, POSSIBLY SEVERAL, AGES.
- FAULT (ASSUMED, APPROXIMATE.)
 ~~~~ FAULT (DEFINED)  
 ▲▲▲ FAULT (THRUST)  
 - - - - - GEOLOGICAL CONTACT

HOMESTAKE MINERAL DEVELOPMENT COMPANY

ATLIN PROPERTIES  
 BRITISH COLUMBIA  
 REGIONAL GEOLOGY

0 20 40 60 80 100km  
 1:253,440

|              |      |           |
|--------------|------|-----------|
| DRAWN<br>KMc | DATE | FILE CODE |
| Revised      |      | 104N/12   |

## 2.4 General Geologic Setting and Preliminary Economic Assesement

The Atlin area properties lie near the western edge of the northwest trending "Atlin Terrane", which is underlain by Upper Paleozoic oceanic crustal rocks (Monger, 1975). These rocks are correlated with the Cache Creek Group rocks of southern and central British Columbia.

Within the Atlin Terrane, andesitic to basaltic flows are overlain by cherts and thick shallow water carbonate rocks. Discordant granitic plutons, ranging in age from Late Jurassic to early Tertiary, locally intrude the stratigraphy. Some remnant Tertiary volcanics and sediments are found within the area.

Also within the Atlin Terrane, and co-eval or immediately post dating the Cache Creek Group rocks, are large ultramafic bodies which define a discordant belt trending west across the tectonic fabric of the terrane. These ultramafic bodies are commonly intensely serpentinized, and in some cases, extensively hydrothermally altered to a silica-carbonate-mariposite "listwanite" like assemblage. Figure 7 illustrates the general geology of the Atlin area.

The majority of known lode gold mineralization within the Atlin camp is associated with intensely altered (silica-carbonate-mariposite) ultramafic rocks proximal to their fault bounded or intrusive contacts with rocks of the Cache Creek Group. The mineralization is almost exclusively hosted in quartz/quartz-carbonate veins and vein stockworks within these altered packages of rocks, occurring either as often spectacular free gold, or in intimate association with gangue sulphides such as pyrite, chalcopyrite, arsenopyrite, spalerite, galena, and sulfosalts (pyrargyrite, tetrahedrite).

While the Atlin area properties of Homestake Mineral Development Company Ltd. host several "lode gold" style showings, much work remains to be done in assessing their economic potential.

## 2.5 Work Completed

During the period October 19 through November 20, 1987, 45 rotary drill holes, totalling 2,195 meters were completed on the Atlin area properties of Homestake Mineral Development Company Ltd. The drilling was contracted to and performed by Midnight Sun Drilling Co. Ltd. of Whitehorse, Y.T.

Prior to and during that drilling program, 299 hours of D-8 Caterpillar bulldozer time was expended in drill access road and drill site construction. This work was performed by Arctic Contractors, of Atlin, British Columbia.

In the course of drilling, 1,136 bedrock chip samples were collected and subsequently forwarded to both Bondar Clegg Ltd. (for gold geochemical analysis) and Acme Analytical Laboratories Ltd. (for 30 element ICP analysis).

The results of this work are discussed in detail in the following section of this report.

### 3. DETAILED TECHNICAL DATA

#### 3.1 Drilling and Sampling Procedures

Midnight Sun Drilling Company Ltd, employed an F360 Nodwell mounted T-66 Schramm drill for the program, supported by a 3 ton flatbed service truck (for rods, pumps, etc) and 1 ton fuel and tool vehicle.

Overburden was drilled with 15 cm. diameter casing as required, and bedrock an 11.5 cm. button bit and down hole hammer assemblage. Drilling fluid was dry air, except in damp ground conditions, where water was added to prevent plugging.

Overburden was not sampled. Bedrock was continuously logged and sampled at 5' (1.52 meter) intervals by HMDC geological personnel on site.

Total drilling return (of bedrock chips) was split into quarters by a conventional "Jones" type sample splitter, of which one half was discarded and duplicate 1/4 split samples was retained by HMDC personnel.

One of the duplicate sets was forwarded to Bondar Clegg Co. Ltd, for geochemical Au analysis (fire assay/A.A. finish). Pulps from these samples were then forwarded to Acme Analytical Laboratories for 30 element ICP analysis.

Appendix 1 contains all pertinent drill hole location maps, including;

|        |     |                                                                                                      |
|--------|-----|------------------------------------------------------------------------------------------------------|
| MAP 1A | i)  | 1:10,000 Drill Hole Location Map, RDH-87-01 to 45<br>(East sheet)                                    |
| MAP 1A | ii) | 1:10,000 Drill Hole Location Map, RDH-87-01 to 45<br>(West sheet)                                    |
| MAP 1B |     | 1:2000 Drill Hole Location Map, RDH-87-01 to 15,<br>19 to 24,<br>40 to 45<br>(Yellowjacket Property) |
| MAP 1C |     | 1:1000 Drill Hole Location Map, RDH-87-25 to 31<br>(Pictou Property)                                 |
| MAP 1D |     | 1:100 Drill Hole Location Map, RDH-87-25 to 29<br>(Pictou Property, main showing)                    |

Appendix 2 contains drill logs for all 45 holes, with plotted geochemical results for Au, Ag, As, Sb, Cu, Pb, and Zn.

Appendix 3 contains 1:200 drill sections for all 45 holes, with anomalous Au geochemistry (greater than 25 ppb) plotted in histogram form.

Appendix 4 contains raw geochemical data for all samples.

#### 3.2 Results and Interpretation

Below are hole by hole summaries of the drilling program, grouped together by property.

Yellowjacket Property (RDH-87-01 to 24, 36-45)

As mentioned, 34 of the 45 holes completed during the program were on claims that constitute the Yellowjacket Property.

RDH-87-01

This hole was drilled to test a west-southwest to east-northeast trending vertical gradient magnetic low thought to represent a zone of hydrothermal alteration that often in the Atlin camp carries anomalous gold mineralization. The hole intersected predominantly unaltered andesitic to basaltic volcanics, with minor occurrences of serpentinized ultramafic and felsic dyke rock. Three thin horizons of the targeted hydrothermal alteration were intersected from 41.5 - 42.4 m, 49.1 - 50.0 m, and 51.5 - 54.6 m. One weakly anomalous gold value of 40 ppb was returned, from 52.4 - 53.9 m. with an associated highly elevated arsenic-antimony content.

RDH-87-02

This hole was drilled to test a west-southwest to east-northeast trending vertical gradient magnetic low, in the vicinity of an interpreted northwest trending cross structure. Both features were thought to potentially represent zones of hydrothermal alteration associated with gold mineralization in the Atlin area. The hole intersected barren andesitic volcanics. No anomalous gold values were returned from the hole.

RDH-87-03

This hole was drilled to test a west-southwest to east-northeast trending vertical gradient magnetic low thought to represent a zone of hydrothermal alteration often associated with gold mineralization in the Atlin Area. The hole intersected barren andesitic to basaltic volcanics and graphitic argillaceous sediments. No anomalous gold or associated pathfinder trace element anomalies were returned from the hole.

RDH-87-04

This hole was drilled to test a west-southwest to east-northeast trending vertical gradient magnetic low thought to represent a zone of hydrothermal alteration, with which gold mineralization in the Atlin area is often associated. The hole intersected barren andesitic to basaltic volcanics. No anomalous gold or pathfinder trace element anomalies were returned from the hole.

RDH-87-05

This hole was drilled to test a west-southwest to east-northeast trending vertical gradient magnetic low thought to represent a zone of hydrothermal alteration often associated with gold mineralization in the Atlin area. The hole intersected the targeted alteration, a silicified and carbonatized ultramafic, from 24.4 - 32.3 m; above and below which were massive serpentinized ultramafic and diabase respectively. No significant anomalous gold values were returned from either the altered or unaltered sections of the hole. Trace-element geochemical results are not yet available for this hole.

RDH-87-06

This hole was designed to test a vertical gradient magnetic low, trending east-northeast to west-southwest, and thought to represent a zone of hydrothermal alteration with which gold mineralization in the Atlin area is often associated. The hole intersected barren massive serpentized ultramafics. One anomalous sample immediately below the overburden-bedrock interface was returned (240 ppb Au, from 9.8-11.0 m), and is thought to represent contamination from overlying known auriferous placer gravels. No other significant gold anomalies were encountered, nor were any elevated pathfinder trace-element values.

RDH-87-07

This hole was designed to test a vertical gradient magnetic low, trending east-northeast to west-southwest, and thought to represent a zone of potentially auriferous hydrothermal alteration. The hole intersected the targeted alteration, a silica-carbonate-mariposite altered ultramafic lithology, from 25.0 - 33.5 m. and 37.2 to 40.8 m, hosted in serpentized ultramafic rocks. Two contiguous 5' samples between 23.5 and 26.5 m. returned anomalous gold values to 340 ppb and averaging 255 ppb over 3 m. Trace-element geochemical data is not yet available for this hole.

RDH-87-08

This hole was designed to test an intersection between two vertical gradient magnetic low linears, one trending east-northeast to west-southwest, the other northwest-southeast. Both were thought to represent structurally controlled zones of hydrothermal alteration that elsewhere in the Atlin area are known to host anomalous gold mineralization.

The hole intersected predominantly barren andesites and serpentized ultramafics. One thin zone of silica-carbonate altered ultramafics was intersected, between 18.3 and 21.9 m. Several very weak Au-As anomalies were returned from throughout the hole, none approaching a significant level.

RDH-87-09

This hole targeted an intersection between northwest-southeast and east-northeast to west-southwest trending vertical gradient magnetic lows thought to represent potentially auriferous zones of hydrothermal alteration. The hole intersected barren serpentized ultramafics and diabase, nowhere containing anomalous gold or pathfinder trace element values.

RDH-87-10

This hole was designed to test the intersection between a northwest-southeast and a west-southwest to east-northeast trending vertical gradient magnetic low, both of which were thought to represent potentially auriferous zone of structurally controlled hydrothermal alteration. The hole intersected unaltered ultramafic and gabbroic rocks. No significantly anomalous gold values were encountered in the hole. One sample within the diabase from 35.7 - 37.2 m. returned elevated Pb-Ag values of 206 ppm and 9.9 ppm respectively.

RDH-87-11

This hole was designed to test an east-northeast to west-southwest trending vertical gradient low envisioned as representing a potentially auriferous zone of structurally controlled hydrothermal alteration. Two such zone were intersected; one, from 29.6 - 30.5 m, an altered (silica-carbonate-mariposite) ultramafic lithology, and the second, from 33.8 - 44.8 m, a carbonatized intermediate to mafic dyke.

One weak anomaly, of 45 ppb was returned from the carbonatized dyke, between 38.7 and 40.5 m. No other significant gold or pathfinder trace element anomalies were returned from the hole.

RDH-87-12

This hole was designed to test the intersection between an east-northeast to west-southwest and northwest-southeast trending vertical gradient magnetic low, thought to represent zones of potentially auriferous structurally controlled hydrothermal alteration.

The hole intersected a zone of silica-carbonate-mariposite altered ultramafics from 34.7 to 47.9 m., surrounded by serpentized ultramafics. The intersected zone of silica-carbonate-mariposite altered ultramafics carried consistent but very weak Au anomalies, to only 60 ppb, and sporadic slightly elevated Ag anomalies to 0.6 ppm.

RDH-87-13

This hole was designed to test the intersection between two vertical gradient magnetic lows, one trending northwest-southwest, the second east-northeast to west-southwest. Both features were envisioned as representing zones of potentially auriferous, structurally controlled hydrothermal alteration.

The hole intersected barren serpentized ultramafics and gabbro. No significantly anomalous Au values were encountered in the hole. Several weakly elevated Ag values to 1.0 ppm were encountered.

RDH-87-14

This hole was designed to test the intersection between two vertical gradient magnetic lows, one trending northwest-southeast, the second east-northeast to west-southwest. Both zones were thought to represent zones of potentially auriferous, structurally controlled hydrothermal alteration. The hole intersected serpentized ultramafics and diabase. No significantly anomalous gold values were encountered in the hole.

RDH-87-15

This hole was designed to test an east-northeast to west-southwest trending vertical gradient magnetic low, thought to represent potentially auriferous structurally controlled hydrothermal alteration.

The hole intersected silica-carbonate-mariposite altered ultramafics from 3.7 - 7.6 m., followed by unaltered massive ultramafic and gabbroic rocks for the remainder of the hole. The altered ultramafics carried weakly anomalous Au values as high as 130 ppb/1.5 m with associated highly elevated As contents.

RDH-87-16

This hole was designed to test a transition from a strong total field magnetic high to total field low, thought to represent a structural contact between ultramafic and andesitic rocks that often, in the Atlin area, is the site of strong hydrothermal alteration.

The hole intersected a thick zone of strongly altered, carbonatized and silicified ultramafics, from 51.8 to 70.7 m., surrounded by serpentized ultramafics. No significantly anomalous gold or pathfinder trace element anomalies were encountered.

RDH-87-17

This hole was designed to test the transition from a moderate total field magnetic high to strong magnetic low, thought to represent a zone of potentially auriferous hydrothermal alteration at or proximal to the contact between ultramafic and andesitic lithologies.

The hole intersected a 2' intensely silicified zone (from 17.1 - 17.7 m.) at the contact between ultramafics and andesites.

One strongly anomalous gold value, of 2,300 ppb, was returned from a 1.5 m. sample of unaltered barren andesite. Re-analysis of the sample returned gold values of only 5 ppb, and the initial analysis is thought to be incorrect and due to contamination.

RDH-87-18

This hole was designed to test a strong total field magnetic low immediately north of a strong high, a feature thought to represent the contact between serpentized ultramafics and andesite.

This contact, usually tectonic in nature, is often the site of strong hydrothermal alteration that could, conceivably, prove to be auriferous.

The hole did intersect a zone of silicified andesites, with up to 20% secondary quartz veining, from 23.5 - 28.0 m. Unfortunately, no significantly anomalous gold or pathfinder trace element values were encountered in the hole.

RDH-87-19

This hole was designed to test the intersection between two vertical gradient magnetic lows, one trending northwest-southeast, the second east-northeast to west-southwest. Both were envisioned as representing potentially auriferous zones of structurally controlled hydrothermal alteration.



The hole intersected massive barren andesites. No significantly anomalous gold or pathfinder trace element values were returned.

RDH-87-20

This hole was designed to test an east-northeast to west-southwest trending vertical gradient magnetic low, believed to represent a zone of potentially auriferous hydrothermal alteration. The hole intersected massive barren serpentized ultramafics. No significantly anomalous gold or pathfinder trace element values were returned from this hole

RDH-87-21

This hole was designed to test an east-west trending vertical gradient magnetic low, thought to represent a potentially auriferous zone of structurally controlled hydrothermal alteration.

The hole intersected barren massive serpentized ultramafics and intermediate dykes. No significantly anomalous gold or pathfinder trace element anomalies were returned from this hole.

RDH-87-22

This hole was designed to test the intersection between two vertical gradient magnetic lows, one trending east-west, the second in an east-northeast to west-southwest direction. Both were thought to represent zones of potentially auriferous hydrothermal alteration.

The hole intersected massive barren serpentized ultramafics and diabase containing no anomalous gold or pathfinder trace element anomalies.

RDH-87-23

This hole was designed to test the intersection between two vertical gradient magnetic lows, linear features that are often indicative of structurally controlled hydrothermal alteration.

The hole intersected massive serpentized ultramafics with no anomalous gold or pathfinder trace element anomalies.

RDH-87-24

This hole was designed to test the intersection between a northwest-southeast trending and east-northeast to west-southwest trending vertical gradient magnetic low. These linear features are often expressions of potentially auriferous, structurally controlled hydrothermal alteration. Due to an unexpectedly thick overburden cover, the target was in all likelihood overshot. The hole did intersect massive barren serpentized ultramafics, with no significantly anomalous gold or pathfinder trace element values.

RDH-87-36

This hole was designed to re-test the stratigraphy encountered in RDH-87-16 and was collared 100 meters southwest of that hole.

The hole intersected a similar "stratigraphy" with two zones of strongly silica-carbonate-mariposite altered ultramafics encountered from 18.3 - 23.8 m. and 37.2 - 47.9 m. Analytical results were disappointing with no significantly anomalous gold values and only weakly elevated As values encountered from this step out hole.

RDH 87-37

This hole was a northeast step out from hole RDH 87-16, collared 100 meters away and designed to re-test the alteration horizon encountered in that hole.

The hole intersected only serpentinized ultramafics, with no significantly anomalous or pathfinder trace element anomalies.

RDH 87-38

This hole was designed to re-test the contact between serpentinized ultramafics and andesites drilling in hole RDH 87-18 and the zone of hydrothermally altered andesites proximal to that contact.

The hole was collared 50 meters east of RDH 87-18 and intersected a similar sequence of serpentinized ultramafics and andesites, unfortunately none exhibiting any significant alteration. No anomalous Au or pathfinder trace element anomalies were encountered.

RDH 87-39

This hole was designed to test an east-northeast to west-southwest trending vertical gradient magnetic low envisioned as representing a structurally controlled zone of potentially auriferous hydrothermal alteration.

The hole intersected massive barren serpentinized ultramafics and diabase-gabbro, containing no significant gold or pathfinder trace element anomalies.

RDH 87-40

This hole was designed to test an east-northeast to south-southwest trending vertical gradient magnetic low associated with silica-carbonate alteration of ultramafic lithologies observed on surface.

The hole intersected the targeted alteration from 3.7 - 14.0 m. followed by unaltered diabase and serpentinized ultramafics. No significantly anomalous gold or pathfinder trace element values were encountered in the hole.

RDH 87-41

This hole was designed to test an east-northeast to west-southwest trending vertical gradient magnetic low thought to represent a horizon of potentially auriferous hydrothermal alteration within ultramafic rocks.

The hole intersected massive barren serpentized, ultramafics, carrying no anomalous Au or pathfinder trace element anomalies.

RDH 87-42

This hole was designed to re-test the vertical gradient magnetic low tested by holes RDH-87-05 and 07, and the hydrothermal alteration horizon that low represents.

The hole intersected a zone of carbonatized gabbro from 17.1 - 25.0 m. above which were serpentized ultramafics, and below, serpentized gabbroic rocks. A few weakly anomalous gold values, to as high as 100 ppb/1.5 m. were returned from the carbonatized and serpentized gabbros. No significant pathfinder trace element values were returned from the hole.

RDH 87-43

This hole was also designed to re-test the vertical gradient magnetic low tested by holes RDH-87-05 and 07.

The hole intersected predominantly diabasic to gabbroic lithologies, exhibiting in places thin localized zones of strong carbonatization. Several samples returned anomalous gold values to as high as 240 ppb Au/1.5 m. although none approached economic grades.

RDH 87-44

This hole was designed to re-test the east-northwest to west-southwest trending vertical gradient magnetic low, originally tested by hole RDH-87-12. The hole was collared 140 meters west of that hole, and intersected a thick zone of hydrothermally altered (silica-carbonate) ultramafic and gabbroic rocks from 30.2 to 43.9 m. Within that zone, three contiguous 1.5 m. samples returned anomalous gold (with elevated As) values to as high as 340 ppb/1.5 m. and averaging 207 ppb over 4.5 m.

RDH 87-45

This hole was also designed to re-test the east-northeast to west-southwest trending vertical gradient magnetic low originally tested by hole RDH-87-12. The hole was collared 260 meters east of that hole. Due to drilling difficulties, the hole was terminated at 29.9 m., having intersected only barren serpentized ultramafics. No anomalous Au or pathfinder trace element values were encountered in the hole.

Pictou Property (RDH-87-25 to 31)

Seven holes were completed on the Pictou Property. Five of the seven holes (RDH-87-25 to 29) were completed on the "Main Showing" (see Map 1D, Appendix 1), to evaluate the strike and down-dip extensions of high grade mineralization encountered on surface.

RDH-87-25

This hole was drilled north-northeast to intercept the projected down-dip extensions of several thin (to 5 cm.) quartz veins exposed on surface. Grab samples from a few of these veins returned gold grades of as high as 61.5 g/t, and a 2 m. chip channel sample across the exposed vein set carried 14.3 g/t Au. The vein sets are hosted in strongly carbonatized and silicified mariposite bearing ultramafic rocks.

The hole intersected from 1.5 - 30.9 m. strongly silicified, carbonatized mariposite bearing altered ultramafics, with numerous thin secondary quartz veins. Below the altered ultramafics, and separated by a distinct fault gouge, were andesitic volcanics from 32.1 - 55.2 m, which in many places exhibited an equally intense alteration (carbonatization and silicification) with extensive secondary quartz veining.

Both the altered ultramafics and altered andesites carried widespread weakly anomalous Au, Ag, As and Sb values. One ore grade intersection was encountered from 5.2 - 6.7 m. (sample 04) in the altered ultramafics. The initial analysis by Bondar Clegg of greater than 10 g/t was refined by further screen fire assay methods, which returned a value of 0.285 OPT. The sample immediately above this intersection (sample 03, from 12-17') carried 560 ppb Au, with 27.1 g/t Ag (0.8 OPT/Ag).

The only other sample from the hole returning strongly anomalous precious metal values was sample 15 (from 21.9 - 23.5 m.), also from within the altered ultramafics, which carried 56.9 g/t Ag (1.65 OPT Ag).

RDH-87-26

This hole was drilled vertically from the same set-up as RDH-87-25, and designed to further test the down-dip extension of mineralized veins encountered on surface.

The hole intersected a similar "stratigraphic/structural" package of rocks to that encountered in hole 25, namely intensely altered ultramafics (with a few thin wedges of intermediate to mafic volcanics) from 0.9 m. - 28.5 m. (3-94'), below which were often equally altered andesitic volcanics. As in hole 25, secondary thin quartz stringers were common throughout most of the alteration zones.

Three significantly anomalous gold values were returned from the hole.

From 5.1 - 6.7 m, a 1.5 m. section of altered ultramafics carried 1,150 ppb Au, with 6.4 ppm Ag.

The sample immediately below, from 6.7 - 8.2 m., also within the altered ultramafics, carried 240 ppb Au.

From within the altered andesites, a five foot sample from 53.6 - 55.1 m. carried 400 ppb Au, with 2.2 ppm Ag.

Several other weakly anomalous Au, Ag, As and Sb values occur sporadically throughout the altered horizons.

#### RDH-87-27

This hole was drilled south-southwest from the same set-up as holes 25 and 26, and again was designed to continue testing any down-dip extension of mineralization encountered on surface.

The hole also intersected silica-carbonate-mariposite altered ultramafics, from 0.9 - 37.6 m, below which were equally altered andesitic volcanics.

Numerous weakly anomalous Au-Ag values were encountered throughout the hole, with associated elevated As-Sb levels. The most prominent anomalies were;

- within altered andesites, from 40 - 41.5 m. 440 ppb Au with 5.9 ppm Ag.
- At the contact between altered andesites and altered ultramafics, from 37 - 38.5 m., 320 ppb Au with 5.9 ppm Ag.
- within altered ultramafics from 14.2 - 15.8 m 170 ppb Au, with 8.5 ppm Ag.

#### RDH-87-28

Hole RDH-87-28 was collared 20 m. west-northwest of the 25-26-27 set-up, and drilled north-northeast to test the potential strike extension of mineralization encountered on surface and in holes 25-26.

The hole intersected a similar though less intensely altered sequence of rocks, namely interfingered altered (silica-carbonate- mariposite) and serpentinized ultramafics to 60.3 m. below which were altered (silica-carbonate) andesites.

The only anomalous gold values came from the altered andesites, which carried, from 61.2 - 62.7 m, 380 ppb Au, and from 59.7 - 61.2 m, 95 ppb Au.

#### RDH-87-29

This hole was collared 15 m. due east of the 25-26-27 set-up, and drilled to test for an easterly strike extension to the mineralization encountered on surface.

The hole intersected strongly carbonatized silicified and mariposite bearing altered ultramafics to 23.0 m, below which were inter-fingered intensely altered and unaltered andesitic volcanics. Weak Au-Ag-As-Sb anomalies are scattered throughout the altered sections of both lithologies, the most prominent of which are;

- from 37 - 38.5 m, in altered andesites, 740 ppb Au with 4.7 ppm Ag.
- from 40 - 41.5 m, in altered andesites, 640 ppb Au.
- from 55.2 - 56.7 m, in altered andesites, 460 ppb Au.
- from 52.1 - 53.6 m, in altered andesites, 440 ppb Au with 4.1 ppm Ag.

Two other holes were drilled on the Pictou Property, both designed to test soil geochemical or lithochemical anomalies in the northern part of the property. Appendix 1 contains 1:1000 scale Au soil geochemistry and geology-geochemistry geophysics compilation maps outlining the location of the two holes.

#### RDH-87-30

This hole was designed to test a strong soil geochemical anomaly (of 770 ppb Au) in an area of very poor bedrock exposure.

The hole, drilled north-northeast to cross the presumed structural orientation of the underlying stratigraphy, intersected, from top to bottom, a sequence of diabase, altered feldspar porphyry, talc-carbonate altered ultramafics and andesitic volcanics.

The thick section of altered (carbonate-hematite) porphyry, between 27.6 - 30.6 m, carried numerous very weak Au anomalies to only 45 ppb.

#### RDH-87-31

Hole RDH-87-31 was designed to test the strike extension of a weak soil geochemical anomaly (to 31 ppb Au) in the vicinity of strongly altered (silica-carbonate-mariposite) ultramafics.

The hole intersected a sequence of silica-carbonate-mariposite altered ultramafics and feldspar porphyry dykes both of which carried numerous but very weak Au anomalies, to only as high as 120 ppb.

#### JACK 29 PROPERTY (RDH-87-32)

This hole was designed to test a prominent northwest-southeast trending airborne magnetic low, in an area of relatively deep overburden cover.

The collar location of the hole, which was oriented at 035° to cross the trend of the linear airborne feature, was spotted after HMDC personnel completed a small orientation magnetometer survey on the property.

The hole intersected predominantly silica-carbonate-mariposite altered ultramafics from 15.5 to 50.3 m, underlain by altered (silica-carbonate) andesites from 50.3 to 53.9 m. A few weakly anomalous (to 40 ppb Au) gold values were returned from both the altered ultramafics and andesites. The altered ultramafics carried highly elevated As values, and sporadic Sb anomalies to as high as 9 ppm.

CG 721 PROPERTY (RDH-87-33)

One hole was drilled on this crown grant, beneath an area of currently depositing hydromagnesite and was designed to test a northwest-southeast trending airborne magnetic low that was defined on the ground by HMDC personnel using a small portable magnetometer.

The hole intersected only massive serpentized ultramafics, containing no significant precious metal or pathfinder trace element anomalies.

Balsam Property (RDH-87-34 to 35)

The holes were drilled on the Balsam Property, both designed to test an east-west trending subtle airborne magnetic low, thought to represent a zone of structurally controlled hydrothermal alteration.

A quick magnetometer orientation survey by HMDC personnel allowed precise targeting of the magnetic low.

RDH 87-34

This hole intersected a series of granitic and feldspar porphyry intrusive rocks, containing no significant alteration and carrying no anomalous precious metal or pathfinder trace-element values.

RDH 87-35

This hole intersected massive barren serpentized ultramafics and diabase, containing no significant precious metal or pathfinder trace element values.

Figure 8 summarizes the 1987 drilling program discussed above.

FIGURE 8

## SUMMARY OF 1987 ROTARY DRILL PROGRAM

| DRILL HOLE | CLAIM         | GROUP   | PROPERTY     | COLLAR                                      | ORIENTATION | DATE DRILLED | TOTAL DEPTH |
|------------|---------------|---------|--------------|---------------------------------------------|-------------|--------------|-------------|
| RDH-87-01  | RIP           | SOUTH   | YELLOWJACKET | L21+20W, 1+50S                              | -60° @ 340° | 22/10/87     | 57.5 m      |
| -02        | ZIP           | SOUTH   | YELLOWJACKET | L19+60W, 1+85S                              | -60° @ 340° | 19/10/87     | 50.9 m      |
| -03        | ZIP           | SOUTH   | YELLOWJACKET | L14+30W, 1+90S                              | -60° @ 340° | 20/10/87     | 44.81 m     |
| -04        | WIND II       | NORTH   | YELLOWJACKET | L9+75W, 3+40S                               | -60° @ 340° | 21/10/87     | 48.77 m     |
| -05        | ARENT II      | SOUTH   | YELLOWJACKET | L5+00E, 1+85S                               | -60° @ 340° | 22/10/87     | 57.0 m      |
| -06        | ARENT II      | SOUTH   | YELLOWJACKET | L5+00E, 2+45S                               | -60° @ 340° | 23/10/87     | 46.6 m      |
| -07        | ARENT II      | SOUTH   | YELLOWJACKET | L8+75E, 1+75S                               | -60° @ 340° | 23/10/87     | 50.9 m      |
| -08        | ARENT II      | SOUTH   | YELLOWJACKET | L10+15E, 1+00S                              | -60° @ 340° | 23/10/87     | 44.8 m      |
| -09        | ARENT I       | NORTH   | YELLOWJACKET | L12+60E, 0+30S                              | -60° @ 340° | 24/10/87     | 44.8 m      |
| -10        | BEAMA         | SOUTH   | YELLOWJACKET | L24+00E, 0+80S                              | -60° @ 340° | 24/10/87     | 38.7 m      |
| -11        | ARENT I       | NORTH   | YELLOWJACKET | L15+10E, 1+40N                              | -60° @ 190° | 24/10/87     | 44.8 m      |
| -12        | BEAMA         | SOUTH   | YELLOWJACKET | L22+40E, 0+90S                              | -60° @ 340° | 25/10/87     | 60.1 m      |
| -13        | BEAMA         | SOUTH   | YELLOWJACKET | L27+00E, 0+40S                              | -60° @ 340° | 25/10/87     | 47.9 m      |
| -14        | BEAMA         | SOUTH   | YELLOWJACKET | L28+10E, 1+35S                              | -60° @ 340° | 21/10/87     | 39.9 m      |
| -15        | BEAMA         | SOUTH   | YELLOWJACKET | L30+70E, 0+20N                              | -60° @ 340° | 26/10/87     | 42.4 m      |
| -16        | YJ 8          | NORTH   | YELLOWJACKET | Arbitrary 0+00                              | -60° @ 330° | 22/10/87     | 75.3 m      |
| -17        | GIN           | NORTH   | YELLOWJACKET | L15E, 5+80N                                 | -60° @ 340° | 27/10/87     | 44.8 m      |
| -18        | YJ 7          | NORTH   | YELLOWJACKET | Arbitrary 0+00                              | -60° @ 330° | 27/10/87     | 44.8 m      |
| -19        | BEAMA         | SOUTH   | YELLOWJACKET | L17+65E, 3+25S                              | -60° @ 340° | 27/10/87     | 44.8 m      |
| -20        | BEAMA         | SOUTH   | YELLOWJACKET | L20+00E, 2+55S                              | -60° @ 340° | 28/10/87     | 44.8 m      |
| -21        | BEAMA         | SOUTH   | YELLOWJACKET | L20+15E, 5+85S                              | -60° @ 340° | 28/10/87     | 41.8 m      |
| -22        | BEAMA         | SOUTH   | YELLOWJACKET | L32+00E, 6+00S                              | -60° @ 340° | 28/10/87     | 47.2 m      |
| -23        | ARENT I       | NORTH   | YELLOWJACKET | L14+60E, 0+15S                              | -60° @ 340° | 29/10/87     | 44.2 m      |
| -24        | WIND II       | NORTH   | YELLOWJACKET | L7+45W, 1+30S                               | -60° @ 010° | 30/10/87     | 46.0 m      |
| -25        | PICTOU (ML32) | WEST    | PICTOU       | L4+07E, 0+18S                               | -60° @ 020° | 01/11/87     | 55.4 m      |
| -26        | PICTOU (ML32) | WEST    | PICTOU       | L4+07E, 0+18S                               | -90° @ 200° | 02/11/87     | 57.0 m      |
| -27        | PICTOU (ML32) | WEST    | PICTOU       | L4+07E, 0+18S                               | -60° @ 200° | 03/11/87     | 57.0 m      |
| -28        | PICTOU (ML32) | WEST    | PICTOU       | L3+88E, 0+18S                               | -60° @ 20°  | 04/11/87     | 63.1 m      |
| -29        | PICTOU (ML32) | WEST    | PICTOU       | L4+21E, 0+12S                               | -60° @ 0°   | 06/11/87     | 87.5 m      |
| -30        | SCARAB (ML32) | WEST    | PICTOU       | L3+00E, 2+40N                               | -60° @ 020° | 07/11/87     | 50.9 m      |
| -31        | SCARAB (ML32) | WEST    | PICTOU       | L1+00E, 2+50N                               | -60° @ 020° | 08/11/87     | 50.9 m      |
| -32        | JACK 29       | RESERVE | JACK 29      | N.A.                                        | -60° @ 035° | 09/11/87     | 54.0 m      |
| -33        | CG 721        | LAKE    | CG 721       | N.A.                                        | -60° @ 045° | 10/11/87     | 47.8 m      |
| -34        | BALSAM        | WEST    | BALSAM       | L12W, 7+30N                                 | -60° @ 0°   | 10/11/87     | 38.7 m      |
| -35        | BALSAM        | WEST    | BALSAM       | LOE, 3+40N                                  | -60° @ 0°   | 11/11/87     | 38.7 m      |
| -36        | YJ 8          | NORTH   | YELLOWJACKET | L1W, 0+50S<br>(from collar<br>of RDH 16)    | -60° @ 330° | 15/11/87     | 44.8 m      |
| -37        | YJ 8          | NORTH   | YELLOWJACKET | L1E, 0+70N<br>(from collar<br>of RDH 16)    | -60° @ 330° | 15/11/87     | 44.8 m      |
| -38        | YJ 8          | NORTH   | YELLOWJACKET | L0+50E, 2+00N<br>(from collar<br>of RDH 18) | -60° @ 330° | 15/11/87     | 44.8 m      |
| -39        | TOP II        | NORTH   | YELLOWJACKET | L2+00E, 13+20N                              | -60° @ 340° | 17/11/87     | 41.8 m      |
| -40        | ARENT II      | SOUTH   | YELLOWJACKET | L2+80E, 1+30S                               | -60° @ 160° | 18/11/87     | 44.8 m      |
| -41        | ARENT II      | SOUTH   | YELLOWJACKET | L1+20W, 4+05S                               | -60° @ 340° | 18/11/87     | 44.8 m      |
| -42        | ARENT II      | SOUTH   | YELLOWJACKET | L6+70E, 1+80S                               | -60° @ 340° | 18/11/87     | 44.8 m      |
| -43        | ARENT II      | SOUTH   | YELLOWJACKET | L7+80E, 1+80S                               | -60° @ 340° | 18/11/87     | 44.8 m      |
| -44        | BEAMA         | SOUTH   | YELLOWJACKET | L21+00E, 0+95S                              | -60° @ 340° | 19/11/87     | 48.5 m      |
| -45        | BEAMA         | SOUTH   | YELLOWJACKET | L25+00E, 0+80S                              | -60° @ 340° | 20/11/87     | 29.9 m      |



4. ITEMIZED COST STATEMENT AND ALLOCATION OF EXPENDITURES

4.1 Itemized Cost Statement

|    |                                                                                                                                                                                                     |                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1. | Total Drilling Costs (as invoiced by<br>Midnight Sun Drilling Co. Ltd.)                                                                                                                             | <u>\$138,868.21</u> |
| 2. | Bulldozer Costs (as invoiced by<br>Arctic Contractors)                                                                                                                                              | <u>\$ 43,355.00</u> |
| 3. | Analytical Costs                                                                                                                                                                                    |                     |
| -  | 1,136 samples to Bondar Clegg Co. Ltd.<br>for Au Analysis @ \$6.75/sample, plus<br>preparation and pro-rated overweight<br>handling charges, for total of (as<br>invoiced by Bondar Clegg Co. Ltd.) | \$ 14,498.00        |
| -  | 1,079 samples to Acme Analytical<br>Laboratories Ltd. for 30 element<br>ICP analysis, @\$6.00/sample                                                                                                | <u>6,474.00</u>     |
|    | Total Analytical Costs                                                                                                                                                                              | <u>\$ 20,972.00</u> |
| 4. | Salary Costs                                                                                                                                                                                        |                     |
|    | <u>Duncan McIvor:</u>                                                                                                                                                                               |                     |
| -  | Oct. 1-18/87 - Planning & Preparation (18 days)                                                                                                                                                     |                     |
| -  | Oct. 19-Nov. 20/87 - Drilling (42 days)                                                                                                                                                             |                     |
| -  | Nov. 21-Dec. 1/87 - Drafting (9 days)                                                                                                                                                               |                     |
| -  | Jan. 11-15/88 - Report Writing (5 days)                                                                                                                                                             |                     |
|    | 74 days @\$115/day                                                                                                                                                                                  | \$ 8,510.00         |
|    | <u>Darcy Marud:</u>                                                                                                                                                                                 |                     |
| -  | Oct. 13-18/87 - Preparation (5 days)                                                                                                                                                                |                     |
| -  | Oct. 19-Nov. 20/87 - Drilling (42 days)                                                                                                                                                             |                     |
| -  | Nov. 21-Dec. 1/87 - Drafting (9 days)                                                                                                                                                               |                     |
|    | 56 days @\$105/day                                                                                                                                                                                  | \$ 5,880.00         |
|    | <u>Percy Pacor:</u>                                                                                                                                                                                 |                     |
| -  | Oct. 13-18/87 - Preparation (5 days)                                                                                                                                                                |                     |
| -  | Oct. 19-Nov. 1/87 - Drilling (12 days)                                                                                                                                                              |                     |
|    | 17 days @\$115/day                                                                                                                                                                                  | \$ 1,955.00         |
|    | <u>Philip Southam:</u>                                                                                                                                                                              |                     |
| -  | Oct. 19-Nov. 20/87 - Sampling (42 days)                                                                                                                                                             |                     |
|    | 42 days @\$85/day                                                                                                                                                                                   | \$ 3,570.00         |
|    | <u>Joanne Bozek:</u>                                                                                                                                                                                |                     |
| -  | Oct. 19-Nov. 20/87 - Sampling (42 days)                                                                                                                                                             |                     |
|    | 42 days @\$85/day                                                                                                                                                                                   | <u>\$ 3,570.00</u>  |
|    | SUB TOTAL SALARIES                                                                                                                                                                                  | \$ 23,485.00        |
|    | +20% BENEFITS, OVERTIME, ETC.                                                                                                                                                                       | <u>4,697.00</u>     |
|    | TOTAL SALARIES                                                                                                                                                                                      | <u>\$ 28,182.00</u> |

|    |                                                                                                           |                             |
|----|-----------------------------------------------------------------------------------------------------------|-----------------------------|
| 5. | Food and Accommodation Costs<br>@\$35/day per man x 231 man days                                          | \$ <u>8,085.00</u>          |
| 6. | Transportation Costs<br>Fuel and Maintenances on 2 trucks<br>for 51 days (Oct. 1-Nov. 20/87)<br>@\$25/day | \$ 1,275.00                 |
|    | Airfare, Vancouver-Whitehorse-Vancouver<br>2 personnel (Pacor, Marud)                                     | \$ <u>1,200.00</u>          |
|    | Total Transportation Costs                                                                                | \$ <u>2,475.00</u>          |
| 7. | Miscellaneous Field Equipment Costs                                                                       | \$ <u>1,000.00</u>          |
|    | TOTAL COSTS                                                                                               | \$ <u><u>242,937.21</u></u> |

#### 4.2 Allocation of Costs to Claims

Below is a summary of costs incurred on specific claims. All costs are allocated on a pro-rate basis. In the case of drilling costs, allocation is based on the number of meters drilled on each claim.

Pro-rated drilling costs are;

$$\$138,868.21/2,195 \text{ m.} = \$63.27/\text{meter}$$

Pro-rated analytical costs are;

$$\begin{aligned} &\$20,972.00/(1,136+1.079 \text{ analyses}) = \$9.47/\text{analysis} \\ &= 28.94/\text{sample (except for holes RDH-87-05 and 07)} \end{aligned}$$

Pro-rated bulldozing/construction costs are;

$$\$43,355/45 \text{ holes} = \$963.44/\text{hole}$$

Pro-rated salary costs are;

$$\$28,182/45 \text{ holes} = \$626.27/\text{hole}$$

Pro-rated food and accommodation costs are;

$$\$8,085/45 \text{ holes} = \$179.67/\text{hole}$$

Pro-rated transportation costs are;

$$\$2,475/45 \text{ holes} = \$55/\text{hole}$$

Pro-rated miscellaneous field equipment costs are;

$$\$1,000/45 \text{ holes} = \$22.22/\text{hole}$$

Figure 9 summarizes in table form the expenses incurred on each claim. Note that the total figure appearing in figure 9 does not quite match that total calculated by invoices, as in pro-rating total costs, a degree of rounding is inevitable. In filing the work the total appearing in Figure 9 will be used.

FIGURE 9

| CLAIM NAME                     | REC. NO. | UNITS | NO. OF HOLES | DRILLING COSTS | BULLDOZER COSTS | ANALYT. COSTS | SALARY   | FOOD & ACC. | TRANSP. | MISC.  | TOTAL      |
|--------------------------------|----------|-------|--------------|----------------|-----------------|---------------|----------|-------------|---------|--------|------------|
| <u>GROUP: PARTS OF "SOUTH"</u> |          |       |              |                |                 |               |          |             |         |        |            |
| ARENT II                       | 2076     | 3     | 8            | 23,984.34      | 7,707.52        | 3,427.06      | 5,010.16 | 1,437.36    | 440.00  | 177.76 | 42,184.20  |
| BEAMA                          | 2346     | 20    | 11           | 30,799.60      | 10,597.84       | 4,602.42      | 6,888.97 | 1,976.37    | 605.00  | 244.42 | 55,714.62  |
| ZIP                            | 2479     | 3     | 2            | 6,064.10       | 1,926.88        | 795.48        | 1,252.54 | 359.34      | 110.00  | 44.44  | 10,552.78  |
| RIP                            | 2482     | 9     | 1            | 3,642.61       | 963.44          | 473.50        | 626.27   | 179.67      | 55.00   | 22.22  | 5,962.71   |
| SUB-TOTAL                      |          |       |              |                |                 |               |          |             |         |        | 114,414.29 |
| <u>GROUP: PARTS OF "NORTH"</u> |          |       |              |                |                 |               |          |             |         |        |            |
| ARENT I                        | 2090     | 3     | 3            | 8,479.27       | 2,890.32        | 1,382.62      | 1,878.81 | 539.01      | 165.00  | 66.66  | 15,401.69  |
| WIND II                        | 2473     | 2     | 2            | 6,007.16       | 1,926.88        | 549.26        | 1,252.54 | 359.34      | 110.00  | 44.44  | 10,249.62  |
| YJ 8                           | 2679     | 20    | 4            | 13,286.04      | 3,853.76        | 2,121.28      | 2,505.08 | 718.68      | 220.00  | 88.88  | 22,793.72  |
| YJ 7                           | 2678     | 20    | 1            | 2,839.08       | 963.44          | 435.62        | 626.27   | 179.67      | 55.00   | 22.22  | 5,121.30   |
| TOP II                         | 2481     | 4     | 1            | 2,649.27       | 963.44          | 397.74        | 626.27   | 179.67      | 55.00   | 22.22  | 4,893.61   |
| GIN                            | 2468     | 3     | 1            | 2,839.08       | 963.44          | 397.74        | 626.27   | 179.67      | 55.00   | 22.22  | 5,083.42   |
| SUB-TOTAL                      |          |       |              |                |                 |               |          |             |         |        | 63,543.36  |
| <u>GROUP: PARTS OF "WEST"</u>  |          |       |              |                |                 |               |          |             |         |        |            |
| ML32                           | --       | 2     | 7            | 26,719.35      | 6,744.08        | 4,962.28      | 4,383.89 | 1,257.69    | 385.00  | 155.54 | 44,607.83  |
| BALSAM                         | 2318     | 16    | 2            | 4,906.26       | 1,926.88        | 776.54        | 1,252.54 | 359.34      | 110.00  | 44.44  | 9,376.00   |
| SUB-TOTAL                      |          |       |              |                |                 |               |          |             |         |        | 53,983.83  |
| <u>GROUP: PARTS OF "LAKE"</u>  |          |       |              |                |                 |               |          |             |         |        |            |
| CG721                          | --       | 1     | 1            | 3,028.89       | 963.44          | 378.80        | 626.27   | 179.67      | 55.00   | 22.22  | 5,254.29   |
| <u>GROUP: PARTS OF RESERVE</u> |          |       |              |                |                 |               |          |             |         |        |            |
| JACK 29                        | 2750     | 6     | 1            | 3,421.16       | 963.44          | 473.50        | 626.27   | 179.67      | 55.00   | 22.22  | 5,741.26   |
| TOTAL                          |          |       |              |                |                 |               |          |             |         |        | 242,937.03 |

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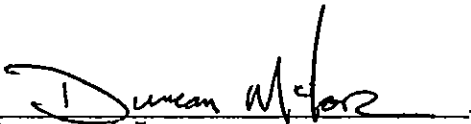
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AUTHOR'S QUALIFICATIONS

I, Duncan Forbes McIvor, do hereby state that;

- I am a graduate of the University of Waterloo, and hold an Honours Bachelor of Applied Science degree.
- I have been practising my profession as an exploration geologist on a full time basis since 1982.
- I have personal knowledge that all information presented in this report is true and accurate.

  
Duncan McIvor







# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-B7-01 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                                          | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS -DEPTH- |
|----------------------|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|----------------------|
| 50'                  |                      |            | <u>0'-67' (0-20.42M) CONTINUED</u><br>OVERBURDEN                                                                                                                                                         |        |        |        |        |        |        |        | 15M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 16M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 17M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 18M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 19M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 20M                  |
| 70'                  | 1.                   | 01         | <u>67'-78' (20.42-23.77M) BASALT</u><br>- predominantly dk. green, vfg. massive basalt                                                                                                                   | 10     | 0.3    | 11     | 2      | 34     | 41     | 47     | 21M                  |
|                      |                      |            | - @ 71' (21.64M) 2' feldspar porphyry dyke                                                                                                                                                               |        |        |        |        |        |        |        |                      |
|                      | 5.                   | 02         | - from 73'-78' (22.25-23.77M), locally contains 10% lighter green, w/dly silicified rock chips, & 5% thin (< 1cm) qtz-carbonate stringers, no visible sulphides                                          | 10     | 0.1    | 8      | 2      | 30     | 19     | 44     | 22M                  |
|                      | 1.                   |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 23M                  |
| 80'                  | 2.                   | 03         | <u>78'-101' (23.77-30.78M) SERPENTINIZED ULTRAMAFIC</u><br>- predominantly bright light green, strongly serpentinized, massive ultramafic, with an average of 5% v. thin (< 1cm) qtz-magnesite stringers | 5      | 0.4    | 11     | 2      | 24     | 16     | 26     | 24M                  |
|                      |                      | 04         | - from 81'-82' (24.69-25.0M), locally 20% 5mm-1cm qtz-magnesite stringers with trace disseminated py.                                                                                                    | <5     | 0.1    | 7      | 2      | 20     | 13     | 25     | 25M                  |
|                      |                      |            |                                                                                                                                                                                                          |        |        |        |        |        |        |        | 26M                  |
| 90'                  | 2.                   | 05         |                                                                                                                                                                                                          | 10     | 0.1    | 12     | 2      | 25     | 22     | 28     | 27M                  |
|                      |                      | 06         |                                                                                                                                                                                                          | <5     | 0.1    | 12     | 2      | 12     | 3      | 22     | 28M                  |
|                      |                      |            | - @ 96' (29.23M) a few fibrous chrysotile seams                                                                                                                                                          |        |        |        |        |        |        |        | 29M                  |
| 100'                 | 2.                   | 07         | - @ 99' (30.1M) a few 1cm quartz veins                                                                                                                                                                   | <5     | 0.1    | 11     | 2      | 15     | 9      | 24     | 30M                  |







## REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ---- HOLE No. BDH-83-Q2 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No ----- BIT METRAGE -----  
 TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 MECHANICAL DOWN TIME -----  
 DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL                             | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                                                                                                                                    | Au PPM | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|--------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 0'                   |                                                  |            | <u>0' - 67' (0 - 20.42M) CONTINUED</u><br>- OVERBURDEN                                                                                                                                                                                                                                             |        |        |        |        |        |        |        | 16M                |
| 10'                  |                                                  |            |                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |        |        | 17M                |
| 20'                  |                                                  |            |                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |        |        | 18M                |
| 30'                  |                                                  |            |                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |        |        | 19M                |
| 40'                  |                                                  |            |                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |        |        | 20M                |
| 50'                  | 1.<br><br><br><br><br><br><br><br><br><br><br>1. |            | <u>67' - 167' (20.42 - 50.90M)</u><br><u>ANDESITE TO BASALT</u><br>No. sample from 67' - 77' (20.42 - 23.46M) due to contamination from overlying gravel.<br>- massive, dark green, vfg to aphanitic, trace disseminated by along occasional fracture surfaces.<br>- a few mm qtz stringers (<<1%) |        |        |        |        |        |        |        | 21M                |
| 60'                  |                                                  | 01         |                                                                                                                                                                                                                                                                                                    | <5     | 0.3    | 2      | 2      | 56     | 5      | 46     | 24M                |
| 70'                  |                                                  | 02         |                                                                                                                                                                                                                                                                                                    | <5     | 0.2    | 2      | 2      | 68     | 5      | 66     | 25M                |
| 80'                  |                                                  | 03         |                                                                                                                                                                                                                                                                                                    | <5     | 0.3    | 2      | 2      | 62     | 5      | 39     | 27M                |
| 90'                  |                                                  | 04         |                                                                                                                                                                                                                                                                                                    | <5     | 0.2    | 5      | 2      | 57     | 2      | 36     | 28M                |
| 100'                 |                                                  | 05         |                                                                                                                                                                                                                                                                                                    | <5     | 0.1    | 2      | 2      | 63     | 7      | 35     | 30M                |

### REVERSE CIRCULATION DRILL HOLE LOG

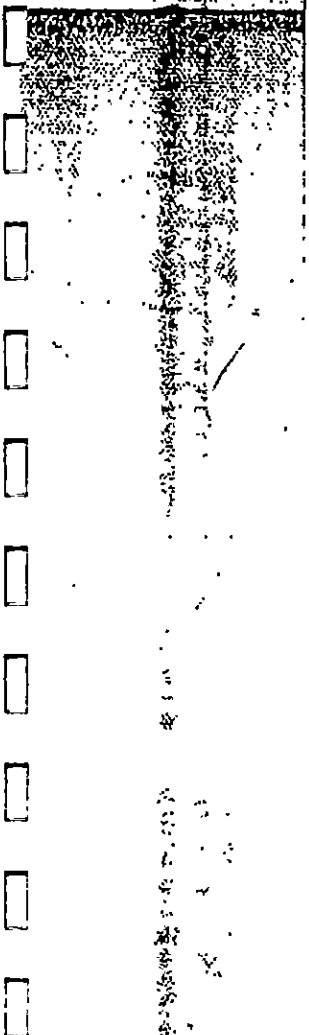
DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. SDH-87-02 LOCATION \_\_\_\_\_  
 GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                               | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|-----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 100'                 | 1.                   | 05         | 67'-167' (20.42 - 50.90 M) ANDESITE TO BASALT | <5     | .1     | 2      | 2      | 65     | 1      | 35     | 30M                |
|                      |                      | 06         |                                               | <5     | .1     | 2      | 2      | 60     | 3      | 41     | 31M                |
| 110'                 | 1.                   | 07         |                                               | <5     | 0.3    | 5      | 3      | 54     | 4      | 60     | 32M                |
|                      |                      | 08         |                                               | <5     | 0.1    | 12     | 3      | 75     | 4      | 32     | 33M                |
| 120'                 | 1.                   | 09         |                                               | <5     | 0.4    | 2      | 2      | 64     | 2      | 30     | 34M                |
|                      |                      | 10         |                                               | <5     | 0.1    | 2      | 2      | 63     | 4      | 31     | 35M                |
| 130'                 | 1.                   | 11         |                                               | <5     | 0.1    | 2      | 2      | 72     | 19     | 33     | 36M                |
|                      |                      | 12         |                                               | <5     | 0.1    | 4      | 2      | 61     | 2      | 44     | 37M                |
| 140'                 | 1.                   | 13         |                                               | <5     | 0.1    | 2      | 2      | 66     | 3      | 42     | 38M                |
|                      |                      | 14         |                                               | <5     | 0.1    | 2      | 3      | 62     | 2      | 31     | 39M                |
| 150'                 |                      | 15         |                                               | <5     | 0.1    | 2      | 2      | 57     | 2      | 41     | 40M                |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-02 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 ----- MECHANICAL DOWN TIME -----  
 CONTRACT HOURS ----- DRILLING PROBLEMS -----  
 ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                    | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC UNITS DEPTH |     |
|----------------------|----------------------|------------|--------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|
|                      |                      |            |                                                                    | PPB | PPM | PPM | PPM | PPM | PPM | PPM |                    |     |
| 18'                  | 1.                   | 15         | <u>67' - 167' (20.42 - 50.90M) CONTINUED</u><br>ANDESITE TO BASALT | 45  | 6   | 2   | ?   | 57  | 2   | 41  | 45M                |     |
|                      |                      | 16         |                                                                    | 45  | 11  | 2   | 2   | 66  | 3   | 39  | 46M                |     |
|                      |                      | 17         |                                                                    |     | 45  | 11  | 5   | 2   | 57  | 5   | 44                 | 48M |
| 16'                  |                      | 18         |                                                                    |     | 45  | 11  | 2   | 2   | 56  | 3   | 29                 | 49M |
|                      |                      |            | <u>HOLE ENDS @ 167' (50.90M)</u>                                   |     |     |     |     |     |     |     | 50M                |     |
| 170'                 |                      |            |                                                                    |     |     |     |     |     |     |     | 61M                |     |



REVERSE CIRCULATION DRILL HOLE LOG

-60° @ 340°

DATE Oct. 20, 1987

HOLE No. RDH-3 LOCATION TEP L14130W 1190S

SHIFT 8am to 8pm  
TOTAL HOURS

GEOLOGIST MARCO DRILLER JOHNSON BIT METRAGE

MOVE TO HOLE 3 from 2 at 2:30pm; Start casing at 3:00pm

DRILL end hole 6:20pm

MECHANICAL DOWN TIME

DRILLING PROBLEMS

CONTRACT HOURS

OTHER

MOVE TO NEXT HOLE

| INTERVAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                              | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH- |
|-----------------------|----------------------|------------|----------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------|
|                       |                      |            | Overburden<br>Casing to 30'                                                                  |        |        |        |        |        |        |        | 8.53                |
| 30'                   | 9                    | 01         | Bedrock <u>Andesite (8.53-14.32m)</u><br>F.g. massive andesite<br>dark gray-green<br>tr py   | <5     | 0.1    | ?      | 2      | 14     | 3      | 54     | 9.75                |
| 35                    | 9                    | 02         | Same as above<br>10% Fe-cbt<br>tr g.v. chips<br>tr py                                        | <5     | 0.1    | 1      | 2      | 61     | 9      | 92     | 11.28               |
| 40                    | 9                    | 03         | Same as above<br>Dk gray-green                                                               | <5     | 0.2    | 5      | 3      | 74     | 71     | 98     | 12.80               |
| 45                    | 9                    | 04         | Same as above                                                                                | <5     | 0.1    | 4      | 3      | 81     | 24     | 101    | 14.32               |
| 50                    | 12                   | 05         | Graphitic - possibly <u>Argillite</u><br>dark gray ( <u>14.32-40.32m</u> )<br>tr py          | <5     | 0.3    | 4      | 2      | 76     | 13     | 89     | 15.85               |
| 55                    | 12                   | 06         | As above                                                                                     | <5     | 0.1    | ?      | 2      | 76     | 13     | 123    | 17.38               |
| 60                    | 12                   | 07         | As above<br>tr white cbt<br>Greasy coating in H <sub>2</sub> O                               | <5     | 0.5    | 4      | 4      | 85     | 17     | 112    | 18.90               |
| 65                    | 12                   | 08         | Same as above                                                                                | <5     | 0.1    | ?      | 2      | 81     | 11     | 101    | 20.41               |
| 70                    | 12                   | 09         | As above                                                                                     | <5     | 0.1    | 2      | 2      | 75     | 63     | 105    | 21.95               |
| 75                    | 12                   | 10         | As above, dk gray, possibly<br>graphitic argillite in<br>volcanic s.s.; 10% volcan. c. frags | <5     | 0.1    | 4      | 2      | 81     | 11     | 98     |                     |



### REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. RPH-3 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                            | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH- |
|-----------------------|----------------------|------------|----------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------|
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 23.4;               |
| 80                    | 12                   | 11         | As above<br>Angillite                                                      | <5     | 1      | 1      | 2      | 5      | 11     | 112    |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 25.00               |
| 85                    | 12                   | 12         | As above;<br>py on frags.                                                  | <5     | 0.1    | 14     | 2      | 71     | 6      | 161    |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 26.52               |
| 90                    | 12                   | 13         | As above<br>tr py on frags                                                 | <5     | 0.1    | 2      | 2      | 78     | 5      | 89     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 28.04               |
| 95                    | 12                   | 14         | Angillite as above,<br>tr py, no Andesite frags<br>Fine powder, 20% frags. | <5     | 0.1    | 3      | 2      | 46     | 36     | 87     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 29.60               |
| 100                   | 12                   | 15         | As above                                                                   | <5     | 0.3    | 9      | 2      | 90     | 5      | 90     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 31.10               |
| 105                   | 12                   | 16         | As above<br>92'-102' (28.04-31.1m)<br>32 minutes                           | <5     | 0.3    | 2      | 2      | 87     | 36     | 88     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 32.61               |
| 110                   | 12                   | 17         | As above,                                                                  | <5     | 0.1    | 4      | 2      | 91     | 8      | 84     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 34.14               |
| 115                   | 12                   | 18         | As above<br>tr white g.v. frags                                            | <5     | 0.1    | 2      | 2      | 89     | 21     | 84     |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 35.66               |
| 120                   | 12                   | 19         | As above<br>No white g.v.<br>Fines produce greasy mud                      | 5      | 0.3    | 2      | 2      | 111    | 21     | 104    |                     |
|                       |                      |            |                                                                            |        |        |        |        |        |        |        | 37.19               |
| 125                   | 12                   | 20         | (378) 124' very fine powder<br>tr fragments of above<br>lithology          | <5     | 0.1    | 3      | 2      | 111    | 11     | 71     |                     |























REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. CDH-87-6 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                           | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|-----------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 55                   | 2                    | 04         | My As above                                               | 45     | 0.1    | 6      | 2      | 17     | 7      | 25     | 16                 |
| 60                   | 2                    | 05         | As above                                                  | 45     | 0.1    | 5      | 2      | 13     | 14     | 27     | 17                 |
| 65                   | 2                    | 06         | Strongly magnetic serp.                                   | 5      | 0.4    | 2      | 2      | 13     | 8      | 26     | 18                 |
| 70                   | 2                    | 07         | Strongly magnetic serp.                                   | 45     | 0.2    | 2      | 2      | 15     | 10     | 24     | 19                 |
| 75                   | 2                    | 08         | Strongly magnetic serp.                                   | 5      | 0.1    | 4      | 2      | 15     | 9      | 23     | 20                 |
| 80                   | 2                    | 09         | Dark green, my, serp moderately magnetic 5% orange Fe-cbt | 45     | 0.1    | 2      | 2      | 15     | 11     | 47     | 21                 |
| 85                   | 2                    | 10         | As above                                                  | 45     | 0.1    | 2      | 2      | 20     | 10     | 38     | 22                 |
| 90                   | 2                    | 11         | As above                                                  | 45     | 0.1    | 2      | 2      | 17     | 3      | 23     | 23                 |
| 95                   | 2                    | 12         | As above                                                  | 45     | 0.1    | 2      | 2      | 8      | 4      | 23     | 24                 |
| 100                  | 2                    | 13         | As above, strongly magnetic                               | 45     | 0.1    | 2      | 2      | 4      | 4      | 26     | 25                 |

REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-6 LOCATION -----  
 GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 SHIFT ----- MOVE TO HOLE -----  
 TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH- |
|-----------------------|----------------------|------------|----------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 105                   | 2                    | 14         | Very dark green, massive, unaltered serp.                                                                      | 25     | 0.2    | 2      | 3      | 4      | 8      | 26     | 31                  |
|                       |                      |            | As above                                                                                                       |        |        |        |        |        |        |        | 32                  |
| 110                   | 2                    | 15         | 110'(33.53) tr. orange cbt.                                                                                    | 25     | 0.1    | 2      | 2      | 6      | 6      | 22     | 33                  |
|                       |                      |            | As above                                                                                                       |        |        |        |        |        |        |        |                     |
| 115                   | 2                    | 16         | 112-113'(34.14-34.44) 5% Fe-cbt on frags                                                                       | 25     | 0.1    | 4      | 3      | 8      | 11     | 23     | 34                  |
|                       |                      |            | Dark green, unaltered serp. Possibly a serpentinized dyke?                                                     |        |        |        |        |        |        |        | 35                  |
| 120                   | 2                    | 17         |                                                                                                                | 25     | 0.2    | 5      | 2      | 6      | 7      | 34     | 36                  |
|                       |                      |            | Dark green un-altered serp. massive; non-magnetic 15-20% clay and talc seams                                   |        |        |        |        |        |        |        |                     |
| 125                   | 2                    | 18         |                                                                                                                | 25     | 0.1    | 2      | 2      | 38     | 11     | 50     | 37                  |
|                       |                      |            | As above                                                                                                       |        |        |        |        |        |        |        | 38                  |
| 130                   | 2                    | 19         | 127'(38.71) Dk. green gummy clay 128-131'(39.0-39.93) Dk blue gummy tc and clay.                               | 25     | 0.3    | 2      | 2      | 60     | 11     | 63     | 39                  |
|                       |                      |            | 131'-133'(39.93-40.54) - As above 133-136'(40.54-41.45) Dk green, mu serp, 10% blue tc. 5% white cbt veinlets. |        |        |        |        |        |        |        |                     |
| 135                   | 2                    | 20         |                                                                                                                | 25     | 0.1    | 2      | 2      | 43     | 12     | 67     | 40                  |
|                       |                      |            | Dk green mu. serp, 5% cbt veinlets                                                                             |        |        |        |        |        |        |        | 41                  |
| 140                   | 2                    | 21         | 139'(42.37) Possible fault gouge, 60% tc-clay lumps with 30% frags. of serp.                                   | 25     | 0.3    | 4      | 4      | 12     | 5      | 23     | 42                  |
|                       |                      |            | As above - Fault gouge                                                                                         |        |        |        |        |        |        |        |                     |
| 145                   | 2                    | 22         | 147'-153'(44.81-46.63) Dyke Dark green diabase                                                                 | 25     | 0.3    | 2      | 2      | 50     | 12     | 56     | 43                  |
|                       |                      |            | As above                                                                                                       |        |        |        |        |        |        |        | 44                  |
| 150                   | 4                    | 23         | 150'(45.72) Hornblende phenos                                                                                  | 25     | 0.1    | 2      | 3      | 55     | 10     | 60     | 45                  |













### REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19\_\_\_\_ HOLE No. R24-82-B LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL<br>UNITS<br>DEPTH | GRAPHIC<br>LOG | INTERVAL | SAMPLE<br>No. | DESCRIPTIVE LOG                                                                                         | Au<br>PPB | Ag<br>PPM | As<br>PPM | Sb<br>PPM | Cu<br>PPM | Pb<br>PPM | Zn<br>PPM | METRIC<br>UNITS<br>DEPTH |
|----------------------------|----------------|----------|---------------|---------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------|
| 55                         | 9              |          | 08            | Andesite<br>10% g.v.                                                                                    | 25        | 0.5       | 142       | 3         | 11        | 15        | 32        | 16                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 17                       |
| 60                         | 9              |          | 09            | Andesite - 25% tc, 5% white g.v.<br>+ tr py<br><u>60-72' (18.29-21.95) Altered Serp</u><br>40% white tc | 5         | 1         | 55        | 2         | 47        | 3         | 14        | 18                       |
|                            | 3              |          |               |                                                                                                         |           |           |           |           |           |           |           |                          |
| 65                         | 3              |          | 10            | As above<br>50% tc, tr g.v. 5% white cbt<br>tr mp, tr py                                                | 15        | 0.1       | 69        | 2         | 44        | 5         | 22        | 19                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 20                       |
| 70                         | 3              |          | 11            | Altered Serp<br>5% white g.v. - weak qtz-cbt<br>alteration<br>5% white cbt veining.                     | 40        | 0.1       | 246       | 2         | 65        | 4         | 22        | 21                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 22                       |
| 75                         | 2              |          | 12            | <u>72'-87' (21.95-24.52) Serpentinite</u><br>Mv. unaltered<br>75' (22.86) 25-40% orange Fe-cbt          | 30        | 0.1       | 105       | 2         | 55        | 6         | 20        | 23                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 24                       |
| 80                         | 2              |          | 13            | 77-80' (23.5-24.4); massive, weakly<br>mottled serp.<br>80' (24.4) 5% orange Fe-cbt.                    | 20        | 0.1       | 64        | 2         | 33        | 5         | 15        | 24                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 25                       |
| 85                         | 2              |          | 14            | As above<br>5-10% orange Fe-cbt                                                                         | 25        | 0.1       | 63        | 2         | 22        | 4         | 43        | 25                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 26                       |
| 90                         | 4              |          | 15            | <u>87-105' (26.52-32.61) Mafic Dyke?</u><br>Serpentinized<br>5-10% orange Fe-cbt                        | 15        |           |           |           | 25        | 6         | 22        | 27                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 28                       |
| 85                         | 4              |          | 16            | As above                                                                                                | 60        | 0.7       | 41        | 2         | 24        | 2         | 31        | 28                       |
|                            |                |          |               |                                                                                                         |           |           |           |           |           |           |           | 29                       |
| 100                        | 4              |          | 17            | Serpentinized Dyke<br>15% orange Fe-cbt                                                                 | 20        | 0.1       | 37        | 2         | 21        | 2         | 26        | 30                       |

REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 --- HOLE No. RPH-87-8 LOCATION -----  
 GEOLOGIST ----- DRILLER ----- BIT No ----- BIT METRAGE -----  
 SHIFT ----- MOVE TO HOLE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG                                                                                                                            | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 105                  | 4                    | 18         | <u>102-118' (31.1-36.0) Serpentinite</u><br>Mv, weakly mottled, dark green serp.<br>tr white cbt.                                          | 10     | 1      | 1      | 2      | 21     | 2      | 23     | 31                 |
|                      | 2                    |            |                                                                                                                                            |        |        |        |        |        |        |        | 32                 |
| 110                  | 2                    | 19         | Med. green mottled serp with 10% dyke frags.<br>5% white g.v. 10% ta                                                                       | 10     | 0.4    | 9      | 3      | 31     | 7      | 27     | 33                 |
| 115                  | 2                    | 20         | As above<br>2-5% white gtz; cbt veins                                                                                                      | 10     | 0.1    | 10     | 2      | 31     | 2      | 30     | 34                 |
|                      | 2                    |            |                                                                                                                                            |        |        |        |        |        |        |        | 35                 |
| 120                  | 4                    | 21         | <u>118-120' (36.0-36.58) Mafic Dyke</u><br>F.g. 2% white g.v.<br><u>120' (36.58) Altered Serp</u><br>light alteration<br>light cream-green | 45     | 0.1    | 6      | 2      | 12     | 3      | 31     | 36                 |
|                      | 2                    |            |                                                                                                                                            |        |        |        |        |        |        |        |                    |
| 125                  | 2                    | 22         | <u>120'-147' (36.58-44.81) Serpentinite</u><br>Dark green-weakly mottled<br>124-126' (37.8-38.4)<br>15% ta and 10% cbt veining.            | 45     | 0.1    | 4      | 2      | 17     | 3      | 27     | 37                 |
|                      |                      |            |                                                                                                                                            |        |        |        |        |        |        |        | 38                 |
| 130                  | 2                    | 23         | Mv dk green serp, tr white cbt and talc veinlets,                                                                                          | 45     | 0.1    | 2      | 2      | 15     | 8      | 25     | 39                 |
| 135                  | 2                    | 24         | As above                                                                                                                                   | 45     | 0.1    | 3      | 2      | 15     | 8      | 22     | 40                 |
|                      |                      |            |                                                                                                                                            |        |        |        |        |        |        |        | 41                 |
| 140                  | 2                    | 25         | As above<br>strongly magnetic                                                                                                              | 45     | 0.1    | 8      | 4      | 32     | 4      | 30     | 42                 |
| 145                  | 2                    | 26         | As above<br>145' (44.2) tr diss py<br>146' (44.5) 5% chrysotile veinlets                                                                   | 45     | 0.1    | 6      | 2      | 11     | 7      | 23     | 43                 |
|                      |                      |            |                                                                                                                                            |        |        |        |        |        |        |        | 44                 |
| 150                  |                      |            |                                                                                                                                            |        |        |        |        |        |        |        | 45                 |

EOH 147' (44.81m) 11:30am



# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-9 LOCATION -----  
 GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 SHIFT ----- MOVE TO HOLE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL<br>UNITS<br>DEPTH- | GRAPHIC<br>LOG | INTERVAL | SAMPLE<br>No. | DESCRIPTIVE LOG                                                                                             | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC<br>UNITS<br>-DEPTH- |
|-----------------------------|----------------|----------|---------------|-------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|----------------------------|
|                             |                |          |               |                                                                                                             | PPB | PPM | PPM | PPM | PPM | PPM | PPM |                            |
| 50'                         |                |          | 6             | 24'-111' (7.32-33.83M) CONTINUED                                                                            | 45  | 01  | 6   | 3   | 21  | 4   | 21  | 15                         |
|                             |                |          | 7             | -@ 55' (16.76M) 10-15% Fe. ckt.<br>-From 56'-111' (17.07-33.83M) variable calc<br>alteration from trace-15% | 45  | 01  | 1   | 2   | 15  | 3   | 23  | 16                         |
| 55'                         |                |          | 8             |                                                                                                             | 45  | 01  | 3   | 2   | 21  | 2   | 25  | 17                         |
| 60'                         |                |          | 9             | -@ 63' (19.20M) trace wt. qtz. veining, tr. Py                                                              | 45  | 01  | 1   | 2   | 12  | 6   | 22  | 18                         |
| 65'                         |                |          | 10            |                                                                                                             |     |     |     |     |     |     |     | 19                         |
| 70'                         |                |          | 11            | -@ 70' (21.34M), 2% wt. clear quartz/carbonate                                                              | 10  | 1   | 1   | 1   | 15  | 2   | 35  | 20                         |
| 75'                         | 2.             |          | 12            |                                                                                                             | 45  | 02  | 2   | 2   | 22  | 2   | 20  | 21                         |
| 80'                         |                |          | 13            | -From 82'-90' (24.99-27.43M) tr. -5% wt. ckt.<br>veining.                                                   | 45  | 02  | 7   | 26  | 18  | 2   | 28  | 22                         |
| 85'                         |                |          | 14            |                                                                                                             | 45  | 02  | 7   | 26  | 18  | 2   | 28  | 23                         |
| 90'                         |                |          | 15            |                                                                                                             | 45  | 01  | 5   | 3   | 15  | 5   | 47  | 24                         |
| 95'                         |                |          | 16            |                                                                                                             | 45  | 03  | 3   | 3   | 50  | 8   | 29  | 25                         |
|                             |                |          |               |                                                                                                             |     |     |     |     |     |     |     | 26                         |
|                             |                |          |               |                                                                                                             |     |     |     |     |     |     |     | 27                         |
|                             |                |          |               |                                                                                                             |     |     |     |     |     |     |     | 28                         |
|                             |                |          |               |                                                                                                             |     |     |     |     |     |     |     | 29                         |
| 100'                        |                |          |               |                                                                                                             | 45  | 04  | 7   | 2   | 52  | 32  | 34  | 30                         |



# REVERSE CIRCULATION DRILL HOLE LOG

DATE OCT. 24 1987 HOLE No. RDH-87-10 LOCATION L24E, 1+906 -6° @ 34°  
 GEOLOGIST BOZEK DRILLER ROB BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
8 PM TO 8 AM DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

N.B. DEPTHS FROM TOP OF CASING 2.5' ABOVE GROUND

| IMPERIAL UNITS (DEPTH) | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                                                            | Au<br>PPB | Ag<br>PPM | As<br>PPM | Sb<br>PPM | Cu<br>PPM | Pb<br>PPM | Zn<br>PPM | METRIC UNITS (DEPTH) |
|------------------------|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|
| 0'                     |                      |            | 0'-24' (0-7.32m)<br>OVERBURDEN                                                                                                                                                                                             |           |           |           |           |           |           |           | 0                    |
| 10'                    |                      |            |                                                                                                                                                                                                                            |           |           |           |           |           |           |           | 10                   |
| 20'                    |                      |            |                                                                                                                                                                                                                            |           |           |           |           |           |           |           | 20                   |
| 24'                    |                      | 1          | 24'-32' (7.32m-9.75m) SERPENTINIZED ULTRAMAFIC<br>- massive, light green, aph., highly magnetic                                                                                                                            | 25        | 01        | 15        | 3         | 15        | 4         | 24        | 24                   |
| 27'                    |                      | 2          | 27'-37' (8.23m-11.28m) poor return                                                                                                                                                                                         |           |           |           |           |           |           |           | 27                   |
| 30'                    |                      | 2          | 32'-32.5' (9.75m-9.91m) DIABASE DIKE<br>- med. grey, f.g., massive                                                                                                                                                         | 10        | 02        | 75        | 3         | 10        | 11        | 25        | 32                   |
| 32.5'                  |                      |            | 32.5'-45' (9.91m-13.72m) SERPENTINIZED ULTRAMAFIC<br>- massive, light green to black, aph., highly magnetic                                                                                                                |           |           |           |           |           |           |           | 32.5                 |
| 40'                    |                      | 3          |                                                                                                                                                                                                                            | 25        | 01        | 2         | 2         | 64        | 2         | 56        | 40                   |
| 45'                    |                      | 4          | 45'-76' (13.72m-23.16m) MAFIC INTRUSIVE<br>- massive, med.-dk. green, vfg, non-magnetic (Diabase ?), 1-2% yellow cbl. stringers<br>a 45' (13.72m) 20-30% light green talc, minor altered ultramafic (quartz-carbonate-mpc) | 25        | 01        | 14        | 2         | 35        | 4         | 47        | 45                   |
| 50'                    |                      | 4          |                                                                                                                                                                                                                            | 5         | 04        | 7         | 3         | 62        | 6         | 48        | 50                   |



## REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ----- HOLE No. RDB-87-10 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS (DEPTH) | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                               | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC UNITS (DEPTH) |
|------------------------|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|----------------------|
|                        |                      |            |                                                                                                                               | PPB | PPM | PPM | PPM | PPM | PPM | PPM |                      |
| 50'                    | 4                    | 5          | 45'-76' (13.72m-23.16m) CONTINUED                                                                                             | 5   | 0.1 | 7   | 3   | 22  | 6   | 48  |                      |
|                        |                      | 6          |                                                                                                                               | <5  | 0.1 | 3   | 2   | 24  | 5   | 33  | 16                   |
|                        |                      | 7          |                                                                                                                               |     |     |     |     |     |     |     | 17                   |
| 60'                    |                      | 7          | • 61' (18.58m) 30% yellow cbt veining, nvs                                                                                    | 10  | 0.5 | 7   | 4   | 54  | 7   | 56  | 18                   |
|                        |                      | 8          |                                                                                                                               |     |     |     |     |     |     |     | 19                   |
|                        |                      | 8          | • 66' (20.12m) 10% yellow cbt veining                                                                                         | 5   | 0.1 | 6   | 2   | 53  | 6   | 56  | 20                   |
|                        |                      | 9          |                                                                                                                               |     |     |     |     |     |     |     | 21                   |
| 70'                    |                      | 9          |                                                                                                                               |     |     |     |     |     |     |     | 21                   |
|                        |                      | 10         | • 75' (22.86m) 15% light green serpentinized um.                                                                              | <5  | 0.2 | 12  | 2   | 21  | 8   | 42  | 22                   |
|                        |                      | 11         | 76'-92' (23.16m-28.04m) SERPENTINIZED ULTRAMAFIC<br>- massive, vfg- sph., med green, highly magnetic                          | 25  | 0.1 | 2   | 2   | 17  | 2   | 29  | 23                   |
| 80'                    | 2                    | 11         |                                                                                                                               |     |     |     |     |     |     | 24  |                      |
|                        |                      | 12         | - from 82'-87' (24.99m-26.52m) minor f.g. diabase, trace carbonate stringers                                                  | <5  | 0.1 | 6   | 2   | 15  | 2   | 24  | 25                   |
|                        |                      | 12         | • 86' (26.21m), 2% white quartz veining in serpentinized ultramafic                                                           |     |     |     |     |     |     |     | 26                   |
| 90'                    | 4                    | 13         |                                                                                                                               | <5  | 0.1 | 2   | 2   | 9   | 2   | 34  | 27                   |
|                        |                      | 14         | 92'-127' (28.16m-38.71m) DIABASE TO GABBRO<br>- med.-dk grey-green, f.-m.g., non-magnetic<br>tr-1% yellow carbonate stringers | 10  | 0.1 | 2   | 2   | 47  | 2   | 52  | 28                   |
|                        |                      | 14         |                                                                                                                               |     |     |     |     |     |     |     | 29                   |
| 100'                   |                      | 15         |                                                                                                                               | <5  | 0.1 | 2   | 2   | 76  | 2   | 42  | 30                   |



















# REVERSE CIRCULATION DRILL HOLE LOG

DATE Oct 25 19 87 HOLE No. RDH-87-13 LOCATION L27+00E Ot 40S -60° @ 340°  
 SHIFT 8 PM TO 8 AM GEOLOGIST M. J. V. G. R. DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

| INTERVAL UNITS DEPTH | GRAPHIC LOG | INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                  | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC UNITS DEPTH |
|----------------------|-------------|----------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                      |             |          |            |                                                                                                                                                                  | PPB | PPM | PPM | PPM | PPM | PPM | PPM |                    |
| 0'                   |             |          |            | <u>0'-27' (0-11.28 M) OVERBURDEN</u>                                                                                                                             |     |     |     |     |     |     |     | 0M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 1M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 2M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 3M                 |
| 6'                   |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 4M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 5M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 6M                 |
| 20'                  |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 7M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 8M                 |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 9M                 |
| 30'                  |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 10M                |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 11M                |
|                      |             |          |            | <u>37'-47' (11.28-14.33M) NO RETURN</u>                                                                                                                          |     |     |     |     |     |     |     | 12M                |
| 40'                  |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 13M                |
|                      |             |          |            |                                                                                                                                                                  |     |     |     |     |     |     |     | 14M                |
|                      |             |          |            | <u>47'-72' (14.33-21.95 M) SERPENTINIZED ULTRAMAFIC</u>                                                                                                          |     |     |     |     |     |     |     | 15M                |
| 50'                  | 2.          |          | 01         | <ul style="list-style-type: none"> <li>• massive, bright light green, intensely serpn,</li> <li>• strongly magnetic ultramafic, no visible sulphides.</li> </ul> | <5  | 01  | 17  | 2   | 11  | 3   | 24  |                    |























# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19 \_\_\_\_\_ HOLE No. RPH-16 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| EMERAL-<br>UNITS<br>-DEPTH- | GRAPHIC<br>LOG<br>INTERVAL | SAMPLE<br>No. | DESCRIPTIVE LOG                                        | Au<br>PPB | Ag<br>PPM | As<br>PPM | Sb<br>PPM | Cu<br>PPM | Pb<br>PPM | Zn<br>PPM | METRIC<br>UNITS<br>-DEPTH- |
|-----------------------------|----------------------------|---------------|--------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|
| 53                          | 2                          | 03            | As above                                               | 5         | 1         | 10        | 2         | 4         | 2         | 34        | 16                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 17                         |
| 60                          | 2                          | 04            | As above<br>tr light blue tc on frags                  | <5        | 0.1       | 12        | 2         | 4         | 4         | 22        | 18                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 19                         |
| 65                          | 2                          | 05            | As above                                               | <5        | 0.1       | 12        | 2         | 15        | 3         | 29        | 19                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 20                         |
| 70                          | 2                          | 06            | As above                                               | <5        | 0.3       | 10        | 2         | 14        | 2         | 22        | 21                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 22                         |
| 75                          | 2                          | 07            | As above                                               | <5        | 0.1       | 10        | 2         | 25        | 6         | 23        | 22                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 23                         |
| 80                          | 2                          | 08            | As above                                               | <5        | 0.1       | 12        | 2         | 13        | 2         | 27        | 24                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 25                         |
| 85                          | 2                          | 09            | As above                                               | <5        | 0.3       | 7         | 2         | 24        | 2         | 24        | 25                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 26                         |
| 90                          | 2                          | 10            | Moderately Serpentinized UM<br>No veining or sulphides | <5        | 0.1       | 4         | 2         | 6         | 13        | 28        | 27                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 28                         |
| 95                          | 2                          | 11            | As above                                               | <5        | 0.1       | 4         | 2         | 6         | 4         | 27        | 28                         |
|                             |                            |               |                                                        |           |           |           |           |           |           |           | 29                         |
| 100                         | 2                          | 12            | As above                                               | <5        | 0.1       | 6         | 2         | 7         | 2         | 26        | 30                         |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. RDH-16 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                             | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 105                  | 2                    | 13         | As above                                                                                                                    | <5     | 0.1    | 10     | 3      | 7      | 2      | 26     | 31                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 32                 |
| 110                  | 2                    | 14         | 10' sample<br>H <sub>2</sub> O clogged splitter<br>Lithology as above                                                       | <5     | 0.1    | 9      | 2      | 7      | 2      | 25     | 33                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 34                 |
| 115                  | 2                    | 14         | As above                                                                                                                    | <5     | 0.1    | 9      | 2      | 7      | 2      | 25     | 35                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 36                 |
| 120                  | 2                    | 15         | As above<br>increase in tc on frags                                                                                         | <5     | 0.1    | 7      | 2      | 6      | 2      | 25     | 37                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 38                 |
| 125                  | 2                    | 16         | As above<br>10% white to blue tc<br>on fractures                                                                            | <5     | 0.2    | 13     | 2      | 37     | 2      | 26     | 39                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 40                 |
| 130                  | 2                    | 17         | As above                                                                                                                    | <5     | 0.1    | 8      | 2      | 18     | 2      | 28     | 41                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 42                 |
| 135                  | 2                    | 18         | As above<br>133' (40.54m) 5% white cbt veining<br>135' (41.15) Rock is now completely<br>serpentinized. <u>SERPENTINITE</u> | <5     | 0.1    | 2      | 2      | 81     | 2      | 31     | 43                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 44                 |
| 140                  | 2                    | 19         | 137' (41.75) 10% white cbt veining<br>135-154' (41.15-46.94) <u>SERPENTINITE</u><br>Mv. dark green<br>5% cbt veins          | <5     | 0.2    | 3      | 3      | 33     | 2      | 27     | 45                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 46                 |
| 145                  | 2                    | 20         | As Above                                                                                                                    | <5     | 0.1    | 2      | 2      | 7      | 2      | 22     | 47                 |
|                      |                      |            |                                                                                                                             |        |        |        |        |        |        |        | 48                 |
| 150                  | 2                    | 21         | As above<br>2-5% white cbt, 10% tc                                                                                          | <5     | 0.1    | 3      | 2      | 15     | 3      | 24     | 49                 |



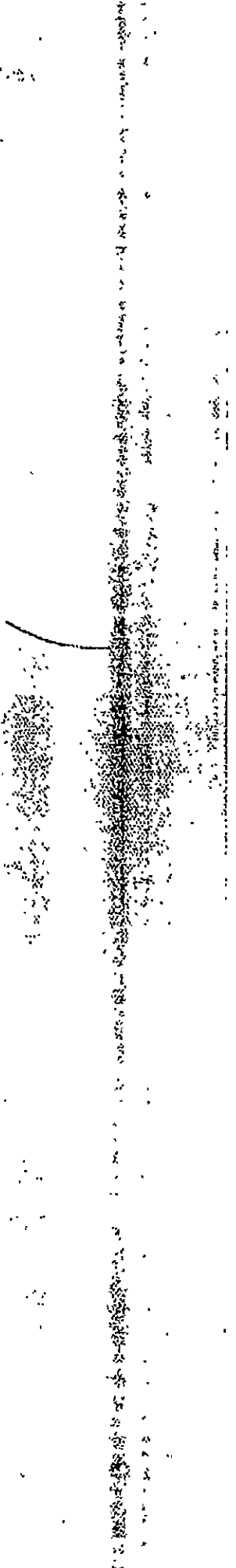




# REVERSE CIRCULATION DRILL HOLE LOG

DATE Oct 27, 1987 HOLE No. RDH-87-17 LOCATION L5100 E, 6180 N, -60° @ 340°  
 SHIFT \_\_\_\_\_ GEOLOGIST McIVOR DRILLER \_\_\_\_\_ BIT No \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG | INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                            | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|-------------|----------|------------|------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 0                    |             |          |            | <u>0'-27' (0-8.23 M) OVERBURDEN</u>                                                                        |        |        |        |        |        |        |        | 0M                 |
| 10                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 1M                 |
| 20                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 2M                 |
| 30                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 3M                 |
| 40                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 4M                 |
| 50                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 5M                 |
| 60                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 6M                 |
| 70                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 7M                 |
| 80                   |             |          |            | <u>27'-37' (8.23-11.28 M) NO RETURN</u>                                                                    |        |        |        |        |        |        |        | 8M                 |
| 90                   |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 9M                 |
| 100                  |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 10M                |
| 110                  |             |          |            | <u>37'-52' (11.28-15.86 M) TALC-SERPENTINE ALTERED ULTRAMAFIC</u>                                          |        |        |        |        |        |        |        | 11M                |
| 120                  |             |          |            | - soft, dk green, talc-serpentine altered ultramafic; a few thin magnesite stringers, no visible sulphides |        |        |        |        |        |        |        | 12M                |
| 130                  | 2.          |          | 01         | - from 37'-47' (11.28-14.32 M), v. poor return                                                             | <5     | 0.1    | 3      | 2      | 44     | 7      | 65     | 13M                |
| 140                  |             |          |            |                                                                                                            |        |        |        |        |        |        |        | 14M                |
| 150                  | 2.          |          | 02         |                                                                                                            | <5     | 0.1    | 2      | 2      | 43     | 17     | 62     | 15M                |





























# REVERSE CIRCULATION DRILL HOLE LOG

DATE Oct 28, 1982 HOLE No. RDH-21 LOCATION BEAMA L20+15E; 5+85S  
 GEOLOGIST MARUD DRILLER Jarvison BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT 8am to 8pm MOVE TO HOLE 20 to 21 at 6:10pm  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                         | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|---------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 0                    |                      |            |                                                                                                         |        |        |        |        |        |        |        | 1                  |
| 5                    |                      |            |                                                                                                         |        |        |        |        |        |        |        | 2                  |
| 10                   |                      |            |                                                                                                         |        |        |        |        |        |        |        | 3                  |
| 15                   |                      |            |                                                                                                         |        |        |        |        |        |        |        | 4                  |
|                      |                      |            | <u>14-27.5'(4.27-8.38) SERPENTINITE</u>                                                                 |        |        |        |        |        |        |        |                    |
|                      |                      | 01         | Massive, moderately green<br>15'(4.57) 5% orange Fe-cbt                                                 | <5     | 2.2    | 5      | 2      | 16     | 5      | 28     | 5                  |
| 20                   | 2                    | 02         | As above<br>tr white cbt                                                                                | <5     | 2.2    | 4      | 2      | 20     | 4      | 11     | 6                  |
| 25                   |                      | 02         | <u>27.5'-34'(8.38-10.36) INTERMED. DYKE</u><br>10% white subhedral plag phenos<br>Plagioclase Andesite? | <5     | 0.2    | 9      | 2      | 20     | 1      | 11     | 7                  |
|                      |                      |            | Dyke as above                                                                                           | <5     | 0.4    | 9      | 2      | 32     | 18     | 32     | 8                  |
| 30                   | 4,<br>9b             | 03         |                                                                                                         |        |        |        |        |        |        |        | 9                  |
| 35                   |                      | 04         | <u>34'-63'(10.36-19.20) SERPENTINITE</u><br>Massive<br>Dark blue-green                                  | <5     | 0.2    | 4      | 2      | 30     | 7      | 29     | 10                 |
| 40                   | 2                    | 05         |                                                                                                         | <5     | 0.4    | 5      | 2      | 13     | 3      | 32     | 12                 |
| 45                   |                      | 06         |                                                                                                         | <5     | 0.2    | 6      | 2      | 12     | 2      | 28     | 13                 |
|                      |                      |            |                                                                                                         |        |        |        |        |        |        |        | 14                 |
| 50                   |                      | 07         |                                                                                                         | <5     | 0.1    | 5      | 2      | 23     | 5      | 30     | 15                 |







# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-89-22 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 ----- MECHANICAL DOWN TIME -----  
 CONTRACT HOURS ----- DRILLING PROBLEMS -----  
 ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                 | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH- |
|-----------------------|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| 50'                   | 4a.                  | 1          | <u>50'-56' (15.24-17.07M) DIABASE</u><br>-med-dk grey-green, f.g., tr. cbl. stringers                                                           | <5     | 0.1    | 4      | 3      | 41     | 7      | 39     | 15M                 |
| 55'                   |                      | 2          |                                                                                                                                                 | <5     | 0.2    | 2      | 2      | 40     | 13     | 47     | 16M                 |
| 60'                   |                      | 3          | <u>56'-61' (17.07-18.59M) SERPENTINIZED ULTRAMAFIC</u><br>-med. green, aph., massive, strongly magnetic<br>@ 56' (17.07M) weathered orange-rust | <5     | 0.1    | 12     | 2      | 40     | 13     | 47     | 17M<br>18M          |
| 65'                   |                      | 4          | <u>61'-64' (18.59-19.51M) DIABASE TO GABBRO</u><br>-dk green-grey, f-m.g., non-magnetic<br>@ 64' (19.5M) 2-3% yellow carbonate stringers        | <5     | 0.1    | 2      | 2      | 65     | 7      | 40     | 19M                 |
| 70'                   |                      | 5          |                                                                                                                                                 | <5     | 0.1    | 2      | 2      | 69     | 5      | 31     | 20M<br>21M          |
| 75'                   |                      | 6          |                                                                                                                                                 | 5      | 1.1    | 3      | 2      | 63     | 3      | 30     | 22M                 |
| 80'                   |                      | 7          |                                                                                                                                                 | <5     | 0.1    | 2      | 2      | 57     | 6      | 14     | 23M<br>24M          |
| 85'                   |                      | 8          |                                                                                                                                                 | <5     | 0.1    | 2      | 2      | 50     | 7      | 38     | 25M                 |
| 90'                   |                      | 9          | @ 89' (27.13M) brown altered material<br>-aph., nondescript., 10% of sample                                                                     | 5      | 0.2    | 2      | 2      | 59     | 2      | 27     | 26M<br>27M          |
| 95'                   |                      | 10         |                                                                                                                                                 | <5     | 0.1    | 3      | 2      | 58     | 6      | 34     | 28M                 |
| 100'                  |                      | 11         |                                                                                                                                                 | <5     | 0.1    | 3      | 2      | 50     | 7      | 40     | 29M<br>30M          |











# REVERSE CIRCULATION DRILL HOLE LOG

DATE OCT 21 1987 HOLE No. RDH-87-24 LOCATION L7:45 W, 1+305, -60° @ 010°  
 SHIFT \_\_\_\_\_ GEOLOGIST SPATHACK DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 MOVE TO HOLE \_\_\_\_\_  
 TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                           | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS DEPTH |
|----------------------|----------------------|------------|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| 0                    |                      |            | <u>0' - 144' (0 - 43.89 M) OVERBURDEN</u> |        |        |        |        |        |        |        | 0                  |
| 5                    |                      |            |                                           |        |        |        |        |        |        |        | 1                  |
| 10                   |                      |            |                                           |        |        |        |        |        |        |        | 2                  |
| 15                   |                      |            |                                           |        |        |        |        |        |        |        | 3                  |
| 20                   |                      |            |                                           |        |        |        |        |        |        |        | 4                  |
| 25                   |                      |            |                                           |        |        |        |        |        |        |        | 5                  |
| 30                   |                      |            |                                           |        |        |        |        |        |        |        | 6                  |
| 35                   |                      |            |                                           |        |        |        |        |        |        |        | 7                  |
| 40                   |                      |            |                                           |        |        |        |        |        |        |        | 8                  |
| 45                   |                      |            |                                           |        |        |        |        |        |        |        | 9                  |
| 50                   |                      |            |                                           |        |        |        |        |        |        |        | 10                 |
|                      |                      |            |                                           |        |        |        |        |        |        |        | 11                 |
|                      |                      |            |                                           |        |        |        |        |        |        |        | 12                 |
|                      |                      |            |                                           |        |        |        |        |        |        |        | 13                 |
|                      |                      |            |                                           |        |        |        |        |        |        |        | 14                 |
|                      |                      |            |                                           |        |        |        |        |        |        |        | 15                 |





























# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ----- HOLE No. RDH-87-27 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| INFEEDAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                 | Au PPM | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|-------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
|                      |                      |            | 51'(15.54) 2-3% dissipy. 5% dark gray wisps and streaks                                         | 170    | 1      | 20     | 47     | 32     | 66     | 58     |              |
|                      |                      |            | 53'(16.15) v. fig. massive light gray rock. 5-10% thick white g.v.s. to 5% py. trmp. Porphyry?  | 40     | 2      | 15     | 4      | 23     | 13     | 64     | 16           |
| 55                   |                      | 10         | 55'(16.76) Dark bright green mottled / tr. alt altered um. 20% gray g.v. tr. 33% py. 25-40% mp. |        |        |        |        |        |        |        | 17           |
| 60                   |                      | 11         | 60'(18.29) No py. tr. white g.v. 10% mp. 5% chromite                                            | 100    | 0.1    | 17     | 7      | 19     | 2      | 23     | 18           |
|                      |                      |            | 62.5'(19.05) Light gray massive rock                                                            |        |        |        |        |        |        |        | 19           |
| 65                   |                      | 12         | 64.0'(19.50) Med. green mottled serp. weak cbt alt.                                             | 25     | 0.1    | 0.9    | 2      | 19     | 2      | 32     | 20           |
|                      |                      |            | 67-77'(20.42-23.47) Dark Green Mottled Serp                                                     |        |        |        |        |        |        |        | 20           |
| 70                   |                      | 13         | 71'(21.64) Qtz-cbt alteration, 29% mp. 5% white g.v.                                            | 20     | 0.2    | 2.5    | 2      | 10     | 20     | 26     | 21           |
|                      |                      |            | 75'(22.86) 5% mp. qtz-cbt alt. tr. py. 10% g.v.                                                 | 20     | 0.1    | 7      | 2      | 6      | 2      | 20     | 22           |
| 75                   |                      | 14         | 77-124'(23.47-37.80) Qtz-cbt-mp Altered ultramafic. Light grey. Fig. 2-5% mp. Kowearing.        | 10     | 0.1    | 20     | 2      | 5      | 2      | 19     | 23           |
| 80                   |                      | 15         | 81'(24.70) tr white g.v.                                                                        |        |        |        |        |        |        |        | 24           |
|                      |                      |            | 82-84'(25.00-25.60) 10-15% white g.v. 5% mp tr py.                                              |        |        |        |        |        |        |        | 25           |
| 85                   |                      | 16         | 84'(25.60) Light gray, 5% dark gray chromite. sil trmp. no visible sulphides.                   | 10     | 0.1    | 17     | 2      | 9      | 7      | 25     | 26           |
|                      |                      |            | 84-89'(25.60-27.13) 10-15% white g.v.                                                           |        |        |        |        |        |        |        | 26           |
| 90                   |                      | 17         | 91.5'(27.90) 30% white g.v. tr py                                                               | 25     | 0.1    | 11     | 2      | 5      | 11     | 18     | 27           |
|                      |                      |            | 93.0'(28.35) 20% light pink colored frags with red spots. Massive tr. g.v. in frags. -andesite? | 10     | 1.2    | 11     | 5      | 14     | 75     | 20     | 28           |
| 95                   |                      | 18         | 95.0'(29.00) Nameless frags                                                                     |        |        |        |        |        |        |        | 29           |
|                      |                      |            | 98.0'(29.26) Light green mottled serp.                                                          |        |        |        |        |        |        |        | 29           |
| 100                  |                      | 19         | 100'(30.48) Mod. cbt, 5% mp. - nopy..                                                           | 15     | 0.4    | 9      | 2      | 6      | 8      | 19     | 30           |







# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 \_\_\_\_\_ HOLE No. RDH-87-28 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                             | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 55                   | 3                    | 9          | ↓ Dark green-gray, tr glz-cbt-mp alt.<br>5% white/gray q.v., tr py<br>54'(16.46) Dark green with 35% patchy carbonate. No visible mp.<br>54-134'(16.46-40.84) SERPENTINITE (weakly altered) | <5     | 1      | 2      | 1      | 16     | 7      | 16     |              |
| 60                   | 2                    | 10         | ↓ Dark green, massive to mottled with 10% qtz-cbt-mp alt um zones.<br>↓ DK green, massive serpentinite, tr white quartz veins.                                                              | <5     | 1      | 2      | 2      | 17     | 4      | 19     |              |
| 65                   | 3                    | 11         | 64'(19.51) 15% qtz-cbt-mp alteration. 2% mp, tr py - these zones are assoc with thin qtz stringers.                                                                                         | <5     | 2      | 7      | 5      | 31     | 11     | 21     |              |
| 70                   | 2                    | 12         | 66'(20.12) No qtz-cbt-mp alt.<br>68'(20.73) Qtz-cbt-mp alt. 5% white q.v. No py                                                                                                             | <5     | 1      | 21     | 7      | 13     | 13     | 24     |              |
| 75                   | 2                    | 13         | ↓ Serpentinized ultramafic.<br>↓ Serp, few thin qtz-cbt zones                                                                                                                               | 5      | 1      | 4      | 3      | 16     | 4      | 35     |              |
| 80                   | 3                    | 14         | 82-84(25.00-25.60) green mottled serp. few thin weakly alt'd zones.                                                                                                                         | <5     | 1      | ?      | 2      | 11     | 5      | 22     |              |
| 85                   | 3                    | 15         | 84'(25.60) qtz-cbt-mp alt. mod. sil-carbonate with 15% mp. few remnant serp chips, 5% thin qtz-cbt stringers                                                                                | <5     | 1      | 1      | 1      | 11     | 3      | 17     |              |
| 90                   | 2                    | 16         | 87-89(26.50-27.13) mottled weakly alt'd serp.<br>89-90(27.13-27.43) qtz cbt mp alt.<br>90-93(27.43-28.35) mottled serp.                                                                     | <5     | 1      | 5      | 2      | 38     | 6      | 25     |              |
| 95                   | 2                    | 17         | 93-97(28.35-29.56) weakly carbonatized, 5% mp alteration.                                                                                                                                   | <5     | 4      | 2      | 3      | 27     | 14     | 27     |              |
| 100                  | 3                    | 18         | ↓ Strong sil-cbt-mp alt. mp to 20%, 10% qtz-cbt often with pink coloration.                                                                                                                 | <5     | 1      | 9      | 10     | 11     | 4      | 20     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ----- HOLE No. R0H-87-28 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| GENERAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                   | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|---------------------|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 105                 | 3                    | 19         | 102-107'(31.10-32.61) Massive, mottled dark green 5% Qtz/cbt st                                                                   | 25     | 0.1    | 4      | 2      | 16     | 4      | 25     |              |
| 110                 | 2                    | 20         | 107-112'(32.61-34.14) Massive serp 5% thin barren Qtz/cbt stringers                                                               | 25     | 1      | 2      | 1      | 13     | 3      | 20     |              |
| 115                 |                      | 21         | 112-117'(34.14-35.66) Massive serp. a few thin weakly carbonatized zones                                                          | 25     | 1.0    | 1      | 6      | 15     | 14     | 24     |              |
| 120                 | 3                    | 22         | 118-119(35.96-36.27) Qtz-cbt alt um. 15% mp, 15% g.v.<br>119-122(36.27-37.19) Serp                                                | 25     | 0.1    | 2      | 2      | 13     | 4      | 21     |              |
| 125                 | 2                    | 23         | 122-126.8'(37.19-38.65) Intensely sil-cbt mp (20%) alt um locally 30% g.v. tot. 2cm.                                              | 25     | 0.1    | 2.1    | 1      | 14     | 2      | 20     |              |
| 130                 | 3                    | 24         | 126.8-127'(38.65-38.71) weakly cbt-sil alt serp<br>Massive serp, few Qtz-mp stringers.                                            | 25     | 0.1    | 2      | 2      | 9      | 3      | 22     |              |
| 135                 | 2                    | 25         | 134-137'(40.84-41.75) Very strongly sil-cbt-mp (20%) alt um. 20% g.v. Qtz-cbt-mp serp<br>137-139'(40.84-42.65) Qtz-cbt-mp alt um. | 25     | 0.1    | 3      | 4      | 5      | 2      | 23     |              |
| 140                 | 3                    | 26         | 137-141'(41.75-42.96) As above                                                                                                    | 25     | 0.2    | 15     | 7      | 7      | 3      | 24     |              |
| 145                 | 2                    | 27         | 142-147'(43.30-44.81) Strongly carbonatized, moderately sil. 25% mp. 10% g.v. 5% chromite flecks                                  | 25     | 0.1    | 5      | 7      | 8      | 4      | 18     |              |
| 150                 | 3                    | 28         | 147-152'(44.81-46.33) 20% g.v.                                                                                                    | 25     | 1      | 15     | 8      | 7      | 3      | 18     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-28 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 ----- MECHANICAL DOWN TIME -----  
 CONTRACT HOURS ----- DRILLING PROBLEMS -----  
 ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| INTERVAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                          | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|----------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 155                  | 3                    | 29         | 156-159 (47.55-48.46) Mottled serp.                                                                      | 25     | 01     | 57     | 12     | 10     | 5      | 15     |              |
| 160                  |                      | 30         | 157-160 (48.46-48.77) 50% thick cbt-minor cbt veins to 2-3cm.                                            | 25     | 11     | 12     | 4      | 7      | 2      | 20     |              |
| 165                  |                      | 31         | 162-199 (49.38-60.66) strongly carbonatized, strongly silicified, 20% mp, 20% ptz stringers to 1cm. trpy | 25     | 11     | 15     | 5      | 8      | 4      | 22     |              |
| 170                  | 3                    | 32         |                                                                                                          | 25     | 11     | 17     | 21     | 17     | 30     | 19     |              |
| 175                  |                      | 33         |                                                                                                          | 5      | 01     | 31     | 2      | 17     | 5      | 14     |              |
| 180                  | 3                    | 34         | 179-180' (54.56-54.86) 80% g.v chips                                                                     | 10     | 05     | 101    | 15     | 13     | 2      | 18     |              |
| 185                  |                      | 35         |                                                                                                          | 5      | 03     | 99     | 23     | 18     | 10     | 17     |              |
| 190                  |                      | 36         | 186-187' (56.70-57.00) Grey, very sil. 40% g.v and trpy.                                                 | 25     | 00     | 174    | 29     | 19     | 5      | 16     |              |
| 195                  | 3                    | 37         |                                                                                                          | 5      | 10     | 95     | 3      | 13     | 13     | 17     |              |
| 200                  |                      | 38         | 199-202' (60.66-61.57) <u>ANDESITE-ALTERED</u><br>Intensely cbl'd (s.l)<br>30% g.v. 1% py                | 75     | 07     | 59     | 3      | 35     | 10     | 36     |              |











# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ----- HOLE No. 80H-87-29 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                                 | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|-----------------------|----------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
|                       |                      |            | 151(46.02) trcbt veins, sil                                                                                                                                                                     |        |        |        |        |        |        |        |              |
| 155                   |                      | 30         | 152-157(46.33-47.85)<br>Dark gray, massive, trwhite g.v no sulphides.<br>155(47.24) v. very light green - possibly cbt alt. no veining.<br>156(47.55) strong cbt, sil - 2% very thin white g.v. | 25     | 01     | 8      | 2      | 72     | 2      | 70     |              |
| 160                   |                      | 31         | 157-162(47.85-49.38)<br>Intense carbonatization, tr white g.v.<br>159(48.46) 15% white g.v. 2% py, 20% light blue breccia - sericite.                                                           | 25     | 01     | 6      | ?      | 73     | 2      | 67     |              |
| 165                   |                      | 32         | 161(49.07) multiple stages (banded) g.v's<br>162-167(49.38-50.90)<br>Altered andesite, cbt sil tr. 5% white g.v. trpy                                                                           | 20     | 01     | 11     | 2      | 75     | 2      | 58     |              |
| 170                   |                      | 33         | 167-172(50.90-52.43)<br>Dark green, massive, unaltered tr white g.v.                                                                                                                            | 10     | 01     | 14     | 2      | 88     | 5      | 45     |              |
| 175                   |                      | 34         | 172-177(52.43-53.95)<br>Strong cbt-sil alteration, 5% white g.v tr py in wallrock. Veining and py decrease with depth until back in to massive barren dark green and. at 177(53.95m)            | 440    | 1      | 201    | 7      | 70     | 1      | 66     |              |
| 180                   |                      | 35         | 177-182(53.95-55.47)<br>Massive dark green barren andesite to 178(54.25) Rock then becomes strongly carbonatized and sil. 1-2% py, 1-2% white thin g.v.                                         | 35     | 04     | 40     | 4      | 37     | 4      | 190    |              |
| 185                   |                      | 36         | 182-187(55.47-57.00)<br>Strong cbt-sil alt. 1-2% g.v., 1-2% py. Veining reduced to tr at end of interval. Py is also reduced to only a tr.                                                      | 460    | 01     | 14     | 1      | 35     | 7      | 91     |              |
| 190                   |                      | 37         | 187-192(57.00-58.52)<br>Light grey to beige, carbonatized andesite tr very thin white quartz veins with tr py.                                                                                  | 50     | 12     | 170    | 7      | 53     | 2      | 60     |              |
| 195                   |                      | 38         | 192-197(58.52-60.05)<br>Very light glassy green altered and. 15% white barren g.v. tr py in altered wall rock. At 195(59.44) tr silvery needles of aspy?                                        | 150    | 06     | 35     | 2      | 9      | 3      | 31     |              |
| 200                   |                      | 39         | 197-202(60.05-61.57)<br>Altered. First two feet of interval have 75% white g.v. some with tr py and v.f.g. aspy, ga or sph.                                                                     | 20     | 08     | 19     | 4      | 22     | 5      | 26     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 \_\_\_\_\_ HOLE No. BDH-87-22 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No ----- BIT METRAGE -----  
 ----- TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 ----- MECHANICAL DOWN TIME -----  
 CONTRACT HOURS ----- DRILLING PROBLEMS -----  
 ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                              | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|-----------------------|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 205                   |                      | 40         | 202-207(61.57-63.10)<br>Blocky return-possible fault zone. Mostly dark green massive and with abt alt zone at 207'(63.10) tr py and tr q.v. in altered zone.                 | 10     | 2      | 11     | 2      | 17     | 8      | 11     |              |
| 210                   |                      | 41         | 207-212(63.10-64.62)<br>Intensely altered, tr-2% white q.v. tr py in wall rock                                                                                               | 25     | 2      | 8      | 2      | 24     | 2      | 52     |              |
| 215                   |                      | 42         | 212-217(64.62-66.14)<br>Intensely altered, tr-2% white q.v. tr py in wall rock. End of interval 206-207'(62.79-66.14) is massive, unaltered andesite.                        | 25     | 0      | 11     | 2      | 51     | 2      | 45     |              |
| 220                   |                      | 43         | 217-222'(66.14-67.66)<br>Dark green andesite with 25-70% altered fragments. Alteration has tr py and tr q.v.                                                                 | 5      | 0      | 17     | 2      | 46     | 2      | 46     |              |
| 225                   |                      | 44         | 222-227(67.66-69.19)<br>Alternating zones of massive dark green andesite and light brown altered andesite with tr py and tr white q.v. Alteration zones usually .3-.5m wide. | 25     | 0      | 3      | 2      | 44     | 2      | 45     |              |
| 230                   |                      | 45         | 227-232(69.19-70.71)<br>Dark green, massive andesites with spots and lenses of abt alt. Veining in only tr am ts of q.v. No tr py.                                           | 25     | 0      | 2      | 2      | 47     | 2      | 26     |              |
| 235                   |                      | 46         | 232-237(70.71-72.24)<br>Dark green, massive andesite, no veining or py. .5m wide alteration zone at 236'(71.93m) abt, st #311                                                | 25     | 0      | 6      | 1      | 52     | 2      | 33     |              |
| 240                   |                      | 47         | 237-242(72.24-73.76)<br>Massive dark green andesite. 1% py thin alteration zone at 241.5'(73.60m) with 25% white q.v. and tr py.                                             | 25     | 0      | 1      | 1      | 29     | 2      | 28     |              |
| 245                   |                      | 48         | 242-247(73.76-75.29)<br>Mostly massive and dark green, 2% py tr q.v. 5% altered sections                                                                                     | 25     | 0      | 11     | 2      | 39     | 15     | 36     |              |
| 250                   |                      | 49         | 247-252'(75.29-76.81)<br>Dark green massive and. 2% py stringers tr white q.v.                                                                                               | 25     | 0      | 2      | 2      | 83     | 2      | 41     |              |



# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 7, 1987 HOLE No. RDH-87-30 LOCATION Pictou 43E, 2140N 76°00'02"  
 SHIFT 8am to 8pm. GEOLOGIST DM/PJS DRILLER Les BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH- | GRAPHIC LOG | INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                               | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|-----------------------|-------------|----------|------------|-------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 0                     |             |          |            |                                                                               |        |        |        |        |        |        |        |              |
| 5                     |             |          |            |                                                                               |        |        |        |        |        |        |        |              |
| 10                    |             |          |            |                                                                               |        |        |        |        |        |        |        |              |
| 15                    |             |          |            | 0-26' (0-7.92) Overburden                                                     |        |        |        |        |        |        |        |              |
| 20                    |             |          |            |                                                                               |        |        |        |        |        |        |        |              |
| 25                    |             |          |            |                                                                               |        |        |        |        |        |        |        |              |
| 30                    |             |          | 01         | 26-91' (7.92-27.74) DIABASE<br>Fine-grained, very dark gray-green<br>nothing. | 45     | 0.1    | 1      | 2      | 12     | 5      | 33     |              |
| 35                    | 4           |          | 02         |                                                                               | 45     | 0.1    | 2      | 2      | 17     | 6      | 30     |              |
| 40                    |             |          | 03         | 41'(12.50) to light green serpentinite frags                                  | 45     | 0.1    | 2      | 2      | 12     | 2      | 24     |              |
| 45                    | 4           |          | 04         |                                                                               | 5      | 0.1    | 2      | 2      | 23     | 2      | 25     |              |
| 50                    |             |          | 05         |                                                                               | 45     | 0.4    | 7      | 2      | 26     | 3      | 22     |              |



# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RPH-87-30 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- MOVE TO HOLE -----  
 TOTAL HOURS ----- DRILL -----  
 ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 55                   |                      | 06         | 52-57 (15.85-17.37) Light green altered serp lens. Massive, no veining.                                                                                                        | 10     | 02     | 1      | 2      | 31     | 3      | 21     |              |
| 60                   | 4                    | 07         |                                                                                                                                                                                | <5     | 02     | 2      | 2      | 30     | 3      | 20     |              |
| 65                   |                      | 08         |                                                                                                                                                                                | <5     | 04     | 5      | 2      | 15     | 2      | 31     |              |
| 70                   |                      | 09         |                                                                                                                                                                                | <5     | 04     | 4      | 2      | 67     | 4      | 32     |              |
| 75                   |                      | 10         | 75' (22.86) to white spots - possibly altered plag phenos.                                                                                                                     | <5     | 01     | 6      | 7      | 57     | 2      | 31     |              |
| 80                   | 4                    | 11         | 77-87 (23.47-26.52) trpy ± trpo?<br>80' (24.38) 5% blue-green talc/serp an. fractures                                                                                          | <5     | 02     | 4      | 9      | 42     | 2      | 20     |              |
| 85                   |                      | 12         |                                                                                                                                                                                | <5     | 01     | 5      | 6      | 73     | 2      | 31     |              |
| 90                   |                      | 13         | 89' (27.13) 15% white talc/clay on fracs                                                                                                                                       | <5     | 01     | 1      | 7      | 94     | 2      | 20     |              |
| 95                   | 5                    | 14         | 91-145' (27.74-44.20) ALTERED PORPHYRY<br>Creamy green to very light gray. Aphanitic, massive w. th 2-5% very faint white spots - altered f'spar, trpy. No veining. sil? - cbt | <5     | 03     | 32     | 10     | 53     | 2      | 32     |              |
| 100                  |                      | 15         |                                                                                                                                                                                | 5      | 01     | 21     | 2      | 16     | 5      | 31     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-30 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS -DEPTH- | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|------------------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 105                    | 5                    | 16         | 104'(31.70) Light brown alteration 10% light green subbedal altered phenos - hnbld? trcbt veining.                             | <5     | ..     | 21     | 6      | 77     | 9      | 111    |              |
| 110                    |                      | 17         | 107-112(32.61-34.14) tr cubes py clay balls of various sizes with frags Fault zone?                                            | 20     | 11     | 33     | 4      | 15     | 5      | 41     |              |
| 115                    |                      | 18         |                                                                                                                                |        | 10     | 01     | 23     | 2      | 5      | 2      | 34           |
| 120                    | 5                    | 19         | 120'(36.58) tr. steel blue mineral.                                                                                            | 30     | 02     | 81     | 2      | 2      | 2      | 32     |              |
| 125                    |                      | 20         |                                                                                                                                | <5     | 05     | 17     | 2      | 2      | 2      | 34     |              |
| 130                    |                      | 21         |                                                                                                                                | 45     | 03     | 24     | 2      | 1      | 3      | 39     |              |
| 135                    | 5                    | 22         |                                                                                                                                | 20     | 03     | 14     | 2      | 2      | 2      | 34     |              |
| 140                    |                      | 23         |                                                                                                                                | 15     | 01     | 11     | 2      | 5      | 3      | 30     |              |
| 145                    |                      | 24         | 145'-157'(44.20-47.85) TALC CARBONATE ALTERED ULTRAMAFIC<br>Light gray-green, talc and carbonate prevalent. 5% thin g.v. + rpy | 30     | ..     | 120    | 6      | 12     | 2      | 22     |              |
| 150                    | 2                    | 25         |                                                                                                                                | <5     | ..     | 10     | 7      | 6      | 2      | 21     |              |











# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 9 19 HOLE No. RDH-87-32 LOCATION JACK 29 -60° @ 035°  
 SHIFT B.M. TO B.P.M. GEOLOGIST MELVOR/ DRILLER JOBENSON BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MOVE TO HOLE MANU  
 CONTRACT HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS -DEPTH- | GRAPHIC LOG | INTERVAL | SAMPLE No. | DESCRIPTIVE LOG          | Au<br>PPB | Ag<br>PPM | As<br>PPM | Sb<br>PPM | Cu<br>PPM | Pb<br>PPM | Zn<br>PPM | METRIC UNITS -DEPTH- |
|------------------------|-------------|----------|------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|
| 0'                     | 0           |          |            | <u>0'-51' OVERBURDEN</u> |           |           |           |           |           |           |           | 0                    |
|                        |             |          |            | <u>0'-15.5 M</u>         |           |           |           |           |           |           |           | 1                    |
| 5'                     | 5           |          |            |                          |           |           |           |           |           |           |           | 2                    |
| 10'                    | 10          |          |            |                          |           |           |           |           |           |           |           | 3                    |
| 15'                    | 15          |          |            |                          |           |           |           |           |           |           |           | 4                    |
| 20'                    | 20          |          |            |                          |           |           |           |           |           |           |           | 5                    |
| 25'                    | 25          |          |            |                          |           |           |           |           |           |           |           | 6                    |
| 30'                    | 30          |          |            |                          |           |           |           |           |           |           |           | 7                    |
| 35'                    | 35          |          |            |                          |           |           |           |           |           |           |           | 8                    |
| 40'                    | 40          |          |            |                          |           |           |           |           |           |           |           | 9                    |
| 45'                    | 45          |          |            |                          |           |           |           |           |           |           |           | 10                   |
| 50'                    | 50          |          |            |                          |           |           |           |           |           |           |           | 11                   |
| 55'                    | 55          |          |            |                          |           |           |           |           |           |           |           | 12                   |
| 60'                    | 60          |          |            |                          |           |           |           |           |           |           |           | 13                   |
| 65'                    | 65          |          |            |                          |           |           |           |           |           |           |           | 14                   |
| 70'                    | 70          |          |            |                          |           |           |           |           |           |           |           | 15                   |



# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. ROH-87-32 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                        | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 55                   | 3                    | 01         | <u>51-94' (15.54-28.65) Qtz Cbt M<sup>+</sup> ALTERED UM</u><br>Dark gray to green gray, 5-15% bright green mp. sil, tr gray, g.v. No visible sulphide, tr-5% orange cbt. trace veins. | <5     | 01     | 17     | 2      | 12     | 24     | 41     |              |
| 60                   |                      | 02         |                                                                                                                                                                                        | 10     | 01     | 101    | 21     | 11     | 8      | 32     |              |
| 65                   |                      | 03         |                                                                                                                                                                                        | 25     | 01     | 121    | 17     | 37     | 5      | 18     |              |
| 70                   |                      | 04         |                                                                                                                                                                                        | 25     | 01     | 12     | 2      | 58     | 5      | 10     |              |
| 75                   |                      | 05         |                                                                                                                                                                                        | 45     | 03     | 18     | 2      | 9      | 5      | 22     |              |
| 80                   |                      | 06         |                                                                                                                                                                                        | 45     | 01     | 4      | 2      | 4      | 2      | 21     |              |
| 85                   | 3                    | 07         | 83-86 (25.30-26.21) Dark green massive unaltered serp.                                                                                                                                 | <5     | 03     | 9.5    | 3      | 6      | 4      | 22     |              |
| 90                   |                      | 08         | 86 (26.21) tr-2% white cbt veining.                                                                                                                                                    | <5     | 01     | 17     | 2      | 9      | 5      | 27     |              |
| 95                   |                      | 09         | <u>94-97 (28.65-29.60) FAULT</u><br>Large lumps of light green clay and talc up to 5cm in diameter. Massive serp frags in green mud.                                                   | <5     | 01     | 14     | 2      | 5      | 7      | 34     |              |
| 100                  | 2                    | 10         | <u>97-115' (29.60-35.05) SERPENTINITE</u><br>Dark green, massive.                                                                                                                      | <5     | 03     | 6      | 2      | 6      | 11     | 37     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. R01-87-32 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                 | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|-----------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 105                  | 2                    | 11         |                                                                                                                 | 5      | 03     | 7      | 2      | 4      | 3      | 26     |              |
| 110                  |                      | 12         |                                                                                                                 | 5      | 01     | 2      | 2      | 5      | 3      | 24     |              |
| 115                  | 3                    | 13         | 115-165' (35.05-50.30) WEAKLY CARBONATIZED SERPENTINITE - 072 CBT ALT UM                                        | 25     | 02     | 4      | 2      | 6      | 4      | 35     |              |
| 120                  |                      | 14         | Dark gray to green-gray. 40% light gray to cream cbt altered zones, possibly sil. 5-10% mp in altered sections. | 10     | 01     | 10     | 2      | 6      | 8      | 34     |              |
| 125                  |                      | 15         | 119' (36.27) Dark gray massive, intermediate dyke... to white. carbonate veins...                               | 25     | 03     | 21     | 2      | 6      | 7      | 29     |              |
| 130                  | 3                    | 16         | 131' (39.93) Dark gray silicification                                                                           | 25     | 01     | 66     | 2      | 9      | 10     | 31     |              |
| 135                  |                      | 17         |                                                                                                                 | 25     | 01     | 26.7   | 2      | 10     | 2      | 27     |              |
| 140                  | 3                    | 18         |                                                                                                                 | 25     | 02     | 375    | 2      | 7      | 5      | 29     |              |
| 145                  |                      | 19         |                                                                                                                 | 25     | 01     | 107    | 2      | 8      | 3      | 25     |              |
| 150                  |                      | 20         |                                                                                                                 | 10     | 01     | 72     | 2      | 9      | 4      | 20     |              |





# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 19. 1982 HOLE No. RDM-87-33 LOCATION CROWN GRANT 721  
 GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                           | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 50'                  |                      |            |                                                                                                                                                           |        |        |        |        |        |        |        | 15           |
| 55'                  |                      |            | <u>16.8 - 47.9 M</u>                                                                                                                                      |        |        |        |        |        |        |        | 16           |
|                      |                      |            | <u>55' - 157' MASSIVE SERPENTINIZED ULTRAMAFIC</u>                                                                                                        |        |        |        |        |        |        |        | 17           |
|                      |                      |            | - massive, bright green to black, strongly serpentinized, strongly magnetic ultramafic rock, N.Y.S., no significant veining of alteration, v. homogeneous |        |        |        |        |        |        |        | 18           |
| 60'                  | 2.                   | 02         |                                                                                                                                                           | 75     | 0.2    | 2      | 1      | 20     | 7      | 40     | 19           |
| 65'                  |                      |            |                                                                                                                                                           |        |        |        |        |        |        |        | 20           |
| 70'                  |                      | 03         |                                                                                                                                                           | <5     | 0.1    | 7      | 2      | 4      | 5      | 69     | 21           |
| 75'                  |                      | 04         |                                                                                                                                                           | <5     | 0.1    | 2      | 2      | 4      | 13     | 37     | 22           |
| 80'                  | 2.                   | 05         |                                                                                                                                                           | <5     | 0.1    | 4      | 2      | 12     | 4      | 47     | 24           |
| 85'                  |                      | 06         |                                                                                                                                                           | <5     | 0.1    | 6      | 3      | 3      | 2      | 42     | 25           |
| 90'                  |                      | 07         |                                                                                                                                                           | <5     | 0.2    | 4      | 2      | 4      | 2      | 35     | 27           |
| 95'                  | 2.                   | 08         |                                                                                                                                                           | <5     | 0.1    | 7      | 2      | 3      | 2      | 37     | 28           |
|                      |                      |            |                                                                                                                                                           |        |        |        |        |        |        |        | 29           |
| 100'                 |                      | 09         |                                                                                                                                                           | <5     | 0.3    | 3      | 2      | 3      | 2      | 37     | 30           |













# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 11, 1987 HOLE No. RDH-27-35 LOCATION Balsam L. of W., 3140N. 60E.  
 SHIFT 8am to 8pm. GEOLOGIST Marud DRILLER JOHNSON BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 MECHANICAL DOWN TIME \_\_\_\_\_  
 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS - DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                    | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|------------------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 0                      | 0.0                  |            |                                                                                                                    |        |        |        |        |        |        |        |              |
| 5                      | 0.0                  |            |                                                                                                                    |        |        |        |        |        |        |        |              |
| 10                     | 0.0                  |            | 0-16' (0-4.88) Overburden                                                                                          |        |        |        |        |        |        |        |              |
| 15                     | 0.0                  |            |                                                                                                                    |        |        |        |        |        |        |        |              |
| 20                     | 0.0                  | 9          | <u>16-20' (4.88-6.10) INTERMEDIATE DYKE</u><br>Dark brown, f.g. rock composed mostly of feldspar. Fairly massive.  |        |        |        |        |        |        |        |              |
| 25                     | 0.0                  | 01         | <u>20-57' (6.10-17.37) SERPENTINITE</u><br>Dark green, massive to orange cbt on fractures to white carbonate veins | <5     | 0.1    | 2      | 2      | 22     | 4      | 43     |              |
| 30                     | 0.0                  | 2          |                                                                                                                    |        |        |        |        |        |        |        |              |
| 35                     | 0.0                  | 02         |                                                                                                                    | 5      | 0.1    | 12     | 2      | 17     | 4      | 41     |              |
| 40                     | 0.0                  | 03         |                                                                                                                    | 5      | 0.1    | 10     | 3      | 13     | 3      | 29     |              |
| 45                     | 0.0                  | 04         |                                                                                                                    | <5     | 0.1    | 16     | 2      | 13     | 2      | 29     |              |
| 50                     | 0.0                  | 2          |                                                                                                                    |        |        |        |        |        |        |        |              |
|                        | 0.0                  | 05         |                                                                                                                    | 25     | 0.1    | 22     | 2      | 25     | 2      | 24     |              |
|                        | 0.0                  | 06         | 46-47' (14.02-14.33) 2-3% white carbonate veins 25% pervasive orange carbonate                                     | <5     | 1      | 2      | 2      | 22     | 1      | 21     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 \_\_\_\_\_ HOLE No. RDH-87-35 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL<br>UNITS<br>DEPTH | GRAPHIC<br>LOG<br>INTERVAL | SAMPLE<br>No. | DESCRIPTIVE LOG                                                                                                                                                                                                          | Au<br>PPB | Ag<br>PPM | As<br>PPM | Sb<br>PPM | Cu<br>PPM | Pb<br>PPM | Zn<br>PPM | METRIC<br>UNITS |
|----------------------------|----------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|
| 55                         | 2                          | 07            |                                                                                                                                                                                                                          | 25        | 0.1       | 2         | 2         | 51        | 2         | 22        |                 |
| 60                         |                            | 08            | <u>57'-127' (17.37-38.71) DIABASE DYKE</u><br>Brownish gray to dark green-gray, fig. to aphanitic and fairly massive to 1% thin white g.v.<br>57-65' (17.37-19.81) Altered brownish, possibly sericitized, carbonatized. | 25        | 0.1       | 5         | 2         | 51        | 2         | 22        |                 |
| 65                         |                            | 09            |                                                                                                                                                                                                                          | 25        | 0.1       | 2         | 2         | 61        | 2         | 24        |                 |
| 70                         | 9                          | 10            |                                                                                                                                                                                                                          | 25        | 0.1       | 2         | 2         | 84        | 2         | 18        |                 |
| 75                         |                            | 11            |                                                                                                                                                                                                                          | 25        | 0.3       | 3         | 4         | 66        | 4         | 19        |                 |
| 80                         |                            | 12            |                                                                                                                                                                                                                          | 25        | 0.1       | 2         | 2         | 50        | 2         | 23        |                 |
| 85                         |                            | 13            |                                                                                                                                                                                                                          | 25        | 0.1       | 13        | 2         | 46        | 2         | 24        |                 |
| 90                         | 9                          | 14            |                                                                                                                                                                                                                          | 25        | 0.1       | 3         | 2         | 24        | 2         | 24        |                 |
| 95                         |                            | 15            |                                                                                                                                                                                                                          | 25        | 0.2       | 2         | 2         | 53        | 2         | 22        |                 |
| 100                        |                            | 16            |                                                                                                                                                                                                                          | 25        | 0.1       | 2         | 2         | 82        | 2         | 31        |                 |





# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19 ----- HOLE No. RDH-87-36 LOCATION -----  
 SHIFT ----- GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                                                 | Au PPM | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 55                   | 2                    | 07         |                                                                                                                                                                                 | 5      | 0.2    | 8      | 2      | 11     | 4      | 18     |              |
| 60                   |                      | 08         | <u>60-78' (18.30-23.77) Qtz. Cat. Mp. ALTERED VOL.</u><br>-Light gray, locally silicified. Upto 20% talc, tr-5% mp. Mp decreases in silicified zones.<br>-5% cbt veins, 5% g.v. | <5     | 0.1    | 36     | 2      | 9      | 3      | 15     |              |
| 65                   |                      | 09         |                                                                                                                                                                                 | <5     | 0.3    | 112    | 2      | 11     | 2      | 15     |              |
| 70                   | 3                    | 10         |                                                                                                                                                                                 | <5     | 0.1    | 202    | 2      | 18     | 6      | 21     |              |
| 75                   |                      | 11         |                                                                                                                                                                                 | <5     | 0.1    | 70     | 2      | 13     | 2      | 17     |              |
| 80                   |                      | 12         | <u>78-122' (23.77-37.19) SERPENTINITE</u><br>-massive dark green, no visible sulphides tr weakly carbonatized zones, tr white cbt veins.                                        | 10     | 0.5    | 89     | 2      | 9      | 6      | 18     |              |
| 85                   | 2                    | 13         |                                                                                                                                                                                 | 10     | 0.3    | 205    | 2      | 11     | 2      | 14     |              |
| 90                   |                      | 14         |                                                                                                                                                                                 | 5      | 0.2    | 183    | 2      | 15     | 8      | 20     |              |
| 95                   | 4.5?                 | 15         | 93-97' (28.35-29.57) Light brown/cream massive rock. Altered dyke or porph?<br>95' (28.96) 25% dark green serp frags.                                                           | <5     | 0.2    | 110    | 2      | 25     | 4      | 26     |              |
| 100                  | 2                    | 16         |                                                                                                                                                                                 | <5     | 0.1    | 19     | 2      | 19     | 4      | 25     |              |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. RDH-87-36 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG                                                                                                                          | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 105                  | 2                    | 17         | 105-122 (32.00) 5% red stain on serp. hematite                                                                                           | <5     | 0.2    | 3      | 2      | 37     | 6      | 41     |              |
| 110                  |                      | 18         |                                                                                                                                          | <5     | 0.1    | 2      | 2      | 75     | 8      | 85     |              |
| 115                  | 2                    | 19         | 112-122' (34.14-37.19) Carbonate altered ultramafic. 35-40% dark green serp. tr white cbt. tr-2% mp                                      | <5     | 0.2    | 4      | 2      | 27     | 5      | 30     |              |
| 120                  |                      | 20         |                                                                                                                                          | <5     | 0.1    | 10     | 2      | 31     | 5      | 41     |              |
| 125                  |                      | 21         | 122-157' (37.19-47.85) Qtz cbt mp alt v m<br>Light beige to gray, fairly massive. tr-2% mp (green spots) locally white g.v or cbt veins. | <5     | 0.1    | 6      | 2      | 30     | 10     | 58     |              |
| 130                  | 3                    | 22         |                                                                                                                                          | <5     | 0.1    | 3      | 2      | 24     | 8      | 60     |              |
| 135                  |                      | 23         |                                                                                                                                          | <5     | 0.1    | 3      | 2      | 27     | 12     | 59     |              |
| 140                  | 3                    | 24         |                                                                                                                                          | 10     | 0.6    | 6      | 2      | 27     | 7      | 49     |              |
| 145                  |                      | 25         |                                                                                                                                          | <5     | 0.1    | 7      | 2      | 25     | 7      | 56     |              |
| 150                  |                      | 26         | 147-152 (44.81-46.33) 20% mp, tr py                                                                                                      | <5     | 0.4    | 16     | 2      | 19     | 2      | 29     |              |







# REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. RDH-27-37 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                           | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|-----------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
|                      |                      |            | <u>43'-147' (13.11m-44.81m) continued</u><br>(serp. u.m.) |        |        |        |        |        |        |        |              |
| 55'                  |                      | 02         |                                                           | <5     | 0.1    | 7      | 2      | 12     | 4      | 24     | 16           |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 17           |
| 60'                  | 2.                   | 03         | @61' tr. qtz/cbt. stringers<br>(18.59m)                   | <5     | 0.3    | 5      | 2      | 20     | 2      | 23     | 18           |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 19           |
| 65'                  |                      | 04         |                                                           | <5     | 0.1    | 7      | 2      | 23     | 3      | 22     |              |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 20           |
| 70'                  |                      | 05         |                                                           | <5     | 0.2    | 8      | 2      | 16     | 6      | 25     | 21           |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 22           |
| 75'                  |                      | 06         |                                                           | <5     | 0.2    | 9      | 3      | 13     | 3      | 23     |              |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 23           |
| 80'                  |                      | 07         |                                                           | <5     | 0.2    | 5      | 2      | 20     | 2      | 24     | 24           |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 25           |
| 85'                  |                      | 08         |                                                           | <5     | 0.3    | 10     | 2      | 10     | 2      | 26     |              |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 26           |
| 90'                  | 2.                   | 09         |                                                           | <5     | 0.1    | 13     | 2      | 10     | 2      | 25     | 27           |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 28           |
| 95'                  |                      | 10         | @94' tr. qtz/cbt. stringers<br>(28.65m)                   | <5     | 0.4    | 20     | 2      | 27     | 4      | 26     |              |
|                      |                      |            |                                                           |        |        |        |        |        |        |        | 29           |
| 100'                 |                      | 11         |                                                           | <5     | 0.2    | 12     | 4      | 23     | 2      | 27     | 30           |









# REVERSE CIRCULATION DRILL HOLE LOG

-60° @ 340°

DATE Nov 17, 1987

HOLE No. RDH-87-39 LOCATION Y.J. North L2E, 13+20N

SHIFT 8am to 8pm

GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_

TOTAL HOURS \_\_\_\_\_

MOVE TO HOLE \_\_\_\_\_

CONTRACT HOURS \_\_\_\_\_

DRILL \_\_\_\_\_

MECHANICAL DOWN TIME \_\_\_\_\_

DRILLING PROBLEMS \_\_\_\_\_

OTHER \_\_\_\_\_

MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL<br>UNITS<br>DEPTH | GRAPHIC<br>LOG<br>INTERVAL | SAMPLE<br>No. | DESCRIPTIVE LOG                                        | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC<br>UNITS |
|----------------------------|----------------------------|---------------|--------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------|
|                            |                            |               |                                                        | PPB | PPM | PPM | PPM | PPM | PPM | PPM |                 |
| 0                          |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 5                          |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 10                         |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 15                         |                            |               | 0-33'(0-10.06) Overburden                              |     |     |     |     |     |     |     |                 |
| 20                         |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 25                         |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 30                         |                            |               |                                                        |     |     |     |     |     |     |     |                 |
| 35                         |                            |               | <u>33-83'(10.06-25.30) SERPENTINITE</u>                |     |     |     |     |     |     |     |                 |
| 35                         |                            | 01            | Dark blue green to green, massive<br>tr white cb veins | 25  | 0.1 | 4   | 2   | 14  | 6   | 35  |                 |
| 40                         |                            | 02            |                                                        | 25  | 0.1 | 3   | 2   | 19  | 7   | 37  |                 |
| 45                         |                            | 03            |                                                        | 25  | 0.3 | 5   | 2   | 17  | 20  | 44  |                 |
| 50                         |                            | 04            |                                                        | 25  | 0.2 | 4   | 2   | 10  | 6   | 47  |                 |

2



# REVERSE CIRCULATION DRILL HOLE LOG

DATE ----- 19----- HOLE No. RDH-87-39 LOCATION -----  
 GEOLOGIST ----- DRILLER ----- BIT No. ----- BIT METRAGE -----  
 SHIFT ----- MOVE TO HOLE -----  
 ----- TO ----- DRILL -----  
 TOTAL HOURS ----- MECHANICAL DOWN TIME -----  
 ----- DRILLING PROBLEMS -----  
 CONTRACT HOURS ----- OTHER -----  
 ----- MOVE TO NEXT HOLE -----

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                                  | Au PPM | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| 55                   | 2                    | 05         |                                                                                                                                                  | 25     | 0.4    | 7      | 2      | 49     | 10     | 43     |              |
| 60                   |                      | 06         |                                                                                                                                                  | 25     | 0.1    | 5      | 2      | 19     | 71     | 52     |              |
| 65                   | 2                    | 07         |                                                                                                                                                  | 25     | 0.2    | 6      | 2      | 50     | 2      | 27     |              |
| 70                   |                      | 08         |                                                                                                                                                  | 25     | 0.1    | 2      | 2      | 102    | 2      | 20     |              |
| 75                   |                      | 09         |                                                                                                                                                  | 25     | 0.1    | 2      | 2      | 72     | 6      | 25     |              |
| 80                   | 2                    | 10         |                                                                                                                                                  | 25     | 0.1    | 2      | 2      | 46     | 12     | 42     |              |
| 85                   |                      | 11         | <u>83-137 (25.30-41.75) DIABASE</u><br>Dark green to dark gray. Fg-aphanitic, massive. At contact with serp above<br>50% maroon return-hematite? | 25     | 0.2    | 2      | 2      | 38     | 16     | 55     |              |
| 90                   | 4                    | 12         |                                                                                                                                                  | 25     | 0.1    | 3      | 2      | 21     | 7      | 26     |              |
| 95                   |                      | 13         |                                                                                                                                                  | 25     | 0.1    | 7      | 2      | 15     | 2      | 24     |              |
| 100                  |                      | 14         |                                                                                                                                                  | 25     | 0.1    | 4      | 2      | 56     | 4      | 27     |              |



## REVERSE CIRCULATION DRILL HOLE LOG

DATE \_\_\_\_\_ 19\_\_\_\_ HOLE No. RDH-87-40 LOCATION \_\_\_\_\_  
 SHIFT \_\_\_\_\_ GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                    | Au PPB | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |
|----------------------|----------------------|------------|------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
|                      |                      |            | DIORITE/DIABASE cont'd (14.33-37.80)                                               |        |        |        |        |        |        |        |              |
| 55                   |                      | 08         |                                                                                    | <5     | 0.1    | 2      | 2      | 36     | 5      | 30     |              |
| 60                   | 4.9                  | 09         |                                                                                    | <5     | 0.1    | 2      | 2      | 52     | 4      | 29     |              |
| 65                   |                      | 10         |                                                                                    | <5     | 0.1    | 5      | 2      | 53     | 7      | 31     |              |
| 70                   |                      | 11         |                                                                                    | <5     | 0.3    | 5      | 2      | 76     | 12     | 25     |              |
| 75                   |                      | 12         | 72' (21.95) tr. serp on fractures<br>72-77' (21.95-23.47) 5% white feldspar phenos | <5     | 0.1    | 2      | 2      | 46     | 6      | 30     |              |
| 80                   |                      | 13         |                                                                                    | <5     | 0.1    | 6      | 2      | 60     | 2      | 35     |              |
| 85                   | 4.9                  | 14         |                                                                                    | <5     | 0.2    | 10     | 2      | 46     | 7      | 39     |              |
| 90                   |                      | 15         |                                                                                    | <5     | 0.1    | 5      | 2      | 17     | 4      | 25     |              |
| 95                   |                      | 16         |                                                                                    | <5     | 0.1    | 36     | 2      | 18     | 4      | 23     |              |
| 100                  |                      | 17         |                                                                                    | <5     | 0.1    | 2      | 2      | 22     | 2      | 25     |              |



















# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 18 19 87 HOLE No. R01-87-43 LOCATION L7&E, 1+205 -60° @ 340°  
 GEOLOGIST McVOR DRILLER TERENS BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
8 AM TO 8 PM DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
12 DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                                                                                                                   | Au  | Ag  | As  | Sb  | Cu  | Pb  | Zn  | METRIC UNITS |
|----------------------|----------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|--------------|
|                      |                      |            |                                                                                                                                   | PPB | PPM | PPM | PPM | PPM | PPM | PPM |              |
| 0                    |                      |            | <u>0-47' OVERBURDEN 0-14.3 M</u>                                                                                                  |     |     |     |     |     |     |     | 0            |
| 5                    |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 5            |
| 10                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 10           |
| 15                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 15           |
| 20                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 20           |
| 25                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 25           |
| 30                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 30           |
| 35                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 35           |
| 40                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 40           |
| 45                   |                      |            |                                                                                                                                   |     |     |     |     |     |     |     | 45           |
| 50                   | 4                    | 01         | <u>14.3-23.5 M</u><br><u>47-77' DIABASE/GABBRO</u><br>- from <u>47-57' M</u> , v. strongly oxidized, almost regolithic appearing. | 45  | 0.1 | 21  | 2   | 72  | 5   | 10  | 50           |

# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov. 18, 1967 HOLE No. RDH-87-13 LOCATION \_\_\_\_\_  
 GEOLOGIST \_\_\_\_\_ DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT \_\_\_\_\_ MOVE TO HOLE \_\_\_\_\_  
 \_\_\_\_\_ TO \_\_\_\_\_ DRILL \_\_\_\_\_  
 TOTAL HOURS \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG                                                                                                                                   | Au PPM                                                                                                                                                         | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |    |
|----------------------|----------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------------|----|
| 50'                  | 4                    | 01         | 47'-77' CONTINUED. 14.3 - 23.5 M<br>diabase/gabbro.<br>- predominantly fg, massive                                                                | <5                                                                                                                                                             | 0.1    | 21     | 2      | 72     | 5      | 10     | 15           |    |
| 55'                  |                      |            |                                                                                                                                                   |                                                                                                                                                                |        |        |        |        |        |        | 16           |    |
| 60'                  |                      | 4          | 02                                                                                                                                                | 18.9 - 20.4 M<br>- from 62'-67', locally 3% thin (mm scale)<br>qtz-carbonate stringers, no visible sulphides.                                                  | <5     | 0.1    | 7      | 2      | 19     | 2      | 43           | 17 |
| 65'                  |                      |            |                                                                                                                                                   |                                                                                                                                                                |        |        |        |        |        |        |              | 18 |
| 70'                  |                      |            | 03                                                                                                                                                | 20.4 - 21.9 M<br>- from 67'-72', as above, locally weakly bleached appearing, weakly carbonized, ± 10% thin (mm scale)<br>qtz stringers, no visible sulphides. | <5     | 0.1    | 3      | 2      | 50     | 6      | 68           | 19 |
| 75'                  | 4                    | 04         | 21.9 - 23.5 M<br>- from 72'-77', locally becomes strongly serpentinized.                                                                          | 5                                                                                                                                                              | 0.1    | 71     | 2      | 33     | 3      | 50     | 20           |    |
| 80'                  |                      |            |                                                                                                                                                   |                                                                                                                                                                |        |        |        |        |        |        | 21           |    |
| 85'                  |                      | 05         | 77'-92' NO RETURN. 23.5 - 28.0 M<br>N.B. from few chips returned, may be zone of strong silica-carbonate alteration in gabbro.                    | 50                                                                                                                                                             | 0.2    | 12     | 2      | 49     | 7      | 70     | 22           |    |
| 90'                  | 4 1/3                | 06         | 28.0 - 29.6 M<br>92'-97' CARBONATIZED DIABASE-GABBRO<br>- bleached, gray, carbonized by crystalline mafic dyke, ± 20% qtz-carb vns to 1cm, 170 Pp |                                                                                                                                                                |        |        |        |        |        |        | 23           |    |
| 95'                  |                      |            |                                                                                                                                                   |                                                                                                                                                                |        |        |        |        |        |        |              | 24 |
| 100'                 |                      | 4          | 07                                                                                                                                                | 29.6 - 44.8 M<br>97'-147' INTERMEDIATE TO MAFIC DYKE<br>- predominantly diabatic appearing, but numerous hornblende porphyritic zones                          | <5     | 0.1    | 6      | 2      | 68     | 6      | 56           | 25 |













# REVERSE CIRCULATION DRILL HOLE LOG

DATE Nov 29 1987 HOLE No. RDH-87-45 LOCATION L25100E, 0+805 (BEAMA)  
 GEOLOGIST M. W. R. DRILLER \_\_\_\_\_ BIT No. \_\_\_\_\_ BIT METRAGE \_\_\_\_\_  
 SHIFT 7 AM to 2 PM MOVE TO HOLE 1 HOUR  
 TOTAL HOURS \_\_\_\_\_ DRILL \_\_\_\_\_  
 \_\_\_\_\_ MECHANICAL DOWN TIME \_\_\_\_\_  
 \_\_\_\_\_ DRILLING PROBLEMS \_\_\_\_\_  
 CONTRACT HOURS \_\_\_\_\_ OTHER \_\_\_\_\_  
 \_\_\_\_\_ MOVE TO NEXT HOLE \_\_\_\_\_

| IMPERIAL UNITS DEPTH | GRAPHIC LOG INTERVAL | SAMPLE No. | DESCRIPTIVE LOG                 | Au PPB                                                                                                                                                  | Ag PPM | As PPM | Sb PPM | Cu PPM | Pb PPM | Zn PPM | METRIC UNITS |   |
|----------------------|----------------------|------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------------|---|
| 0'                   |                      |            | <u>0-32' OVERBURDEN 0-9.75M</u> |                                                                                                                                                         |        |        |        |        |        |        | 0            |   |
| 5'                   |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 1            |   |
| 10'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 2            |   |
| 15'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 3            |   |
| 20'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 4            |   |
| 25'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 5            |   |
| 30'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 6            |   |
| 32'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 7            |   |
| 35'                  |                      | 2.         | 01                              | <u>32'-98' 9.75-29.9M</u><br><u>SERPENTINIZED ULTRAMAFIC</u><br>-massive, dark green to black,<br>strongly serpentinized, vfg,<br>no visible sulphides. | 5      | 0.1    | 10     | 2      | 13     | 5      | 25           | 8 |
| 40'                  |                      |            | 02                              |                                                                                                                                                         | 5      | 0.1    | 17     | 2      | 15     | 8      | 30           | 9 |
| 45'                  | 03                   |            |                                 | <5                                                                                                                                                      | 0.1    | 5      | 2      | 9      | 2      | 21     | 10           |   |
| 48'                  |                      |            |                                 |                                                                                                                                                         |        |        |        |        |        |        | 11           |   |
| 50'                  | 04                   |            |                                 | <5                                                                                                                                                      | 0.2    | 8      | 2      | 9      | 2      | 21     | 12           |   |







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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPR | SAMPL F NUMBER  | ELEMNT UNITS | Au PPR  |
|-----------------|---------------|--------|-----------------|--------------|---------|
| R2 RDH-87-01-01 |               | 10     | R2 RDH-87-02-16 |              | <5      |
| R2 RDH-87-01-02 |               | 10     | R2 RDH-87-02-17 |              | <5      |
| R2 RDH-87-01-03 |               | 5      | R2 RDH-87-02-18 |              | <5      |
| R2 RDH-87-01-04 |               | <5     | R2 RDH-87-03-01 |              | <5      |
| R2 RDH-87-01-05 |               | 10     | R2 RDH-87-03-02 |              | <5      |
| R2 RDH-87-01-06 |               | <5     | R2 RDH-87-03-03 |              | <5      |
| R2 RDH-87-01-07 |               | <5     | R2 RDH-87-03-04 |              | <5      |
| R2 RDH-87-01-08 |               | <5     | R2 RDH-87-03-05 |              | <5      |
| R2 RDH-87-01-09 |               | 5      | R2 RDH-87-03-06 |              | <5      |
| R2 RDH-87-01-10 |               | <5     | R2 RDH-87-03-07 |              | <5      |
| R2 RDH-87-01-11 |               | <5     | R2 RDH-87-03-08 |              | <5      |
| R2 RDH-87-01-12 |               | <5     | R2 RDH-87-03-09 |              | <5      |
| R2 RDH-87-01-13 |               | 20     | R2 RDH-87-03-10 |              | <5      |
| R2 RDH-87-01-14 |               | <5     | R2 RDH-87-03-11 |              | <5      |
| R2 RDH-87-01-15 |               | <5     | R2 RDH-87-03-12 |              | <5      |
| R2 RDH-87-01-16 |               | <5     | R2 RDH-87-03-13 |              | <5      |
| R2 RDH-87-01-17 |               | <5     | R2 RDH-87-03-14 |              | <5      |
| R2 RDH-87-01-18 |               | <5     | R2 RDH-87-03-15 |              | <5      |
| R2 RDH-87-01-19 |               | 15     | R2 RDH-87-03-16 |              | <5      |
| R2 RDH-87-01-20 |               | 10     | R2 RDH-87-03-17 |              | <5      |
| R2 RDH-87-01-21 |               | 15     | R2 RDH-87-03-18 |              | <5      |
| R2 RDH-87-01-22 |               | 40     | R2 RDH-87-03-19 |              | 5       |
| R2 RDH-87-01-23 |               | <5     | R2 RDH-87-03-20 |              | <5      |
| R2 RDH-87-01-24 |               | <5     | R2 RDH-87-03-21 |              | <5      |
| R2 RDH-87-01-25 |               | <5     | R2 RDH-87-03-22 |              | <5      |
| R2 RDH-87-02-01 |               | <5     | R2 RDH-87-03-23 |              | <5      |
| R2 RDH-87-02-02 |               | <5     | R2 RDH-87-03-24 |              | 5       |
| R2 RDH-87-02-03 |               | <5     | R2 RDH-87-04-01 |              | <5      |
| R2 RDH-87-02-04 |               | <5     | R2 RDH-87-04-02 |              | <5      |
| R2 RDH-87-02-05 |               | <5     | R2 RDH-87-04-03 |              | <5      |
| R2 RDH-87-02-06 |               | <5     | R2 RDH-87-04-04 |              | <5      |
| R2 RDH-87-02-07 |               | <5     | R2 RDH-87-04-05 |              | <5      |
| R2 RDH-87-02-08 |               | <5     | R2 RDH-87-04-06 |              | <5      |
| R2 RDH-87-02-09 |               | <5     | R2 RDH-87-04-07 |              | <5      |
| R2 RDH-87-02-10 |               | <5     | R212            | <5           | R2 RDH- |
| R2 RDH-87-02-13 |               | <5     | R2 RDH-87-04-11 |              | <5      |
| R2 RDH-87-02-14 |               | <5     | R2 RDH-87-04-12 |              | <5      |
| R2 RDH-87-02-15 |               | <5     | R2 RDH-87-04-13 |              | 20      |



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| SAMPLE NUMBER | ELEMENT UNITS | Au PPR | SAMPLE NUMBER | ELEMENT UNITS | Au PPR |
|---------------|---------------|--------|---------------|---------------|--------|
| D2 RDH-05-1A  |               | 5      | D2 RDH-07-13A |               | 340    |
| D2 RDH-05-2A  |               | <5     | D2 RDH-07-14A |               | <5     |
| D2 RDH-05-3A  |               | <5     | D2 RDH-07-15A |               | 10     |
| D2 RDH-05-4A  |               | <5     | D2 RDH-07-16A |               | 15     |
| D2 RDH-05-5A  |               | 10     | D2 RDH-07-17A |               | 25     |
| D2 RDH-05-6A  |               | 30     | D2 RDH-07-18A |               | <5     |
| D2 RDH-05-7A  |               | 5      | D2 RDH-07-19A |               | <5     |
| D2 RDH-05-8A  |               | <5     | D2 RDH-07-20A |               | <5     |
| D2 RDH-05-9A  |               | <5     | D2 RDH-07-21A |               | <5     |
| D2 RDH-05-10A |               | 10     | D2 RDH-07-22A |               | 15     |
| D2 RDH-05-11A |               | 10     | D2 RDH-07-23A |               | 5      |
| D2 RDH-05-12A |               | 20     | D2 RDH-07-24A |               | <5     |
| D2 RDH-05-13A |               | 5      | D2 RDH-07-25A |               | <5     |
| D2 RDH-05-14A |               | 15     | D2 RDH-07-26A |               | 10     |
| D2 RDH-05-15A |               | 20     | D2 RDH-07-27A |               | <5     |
| D2 RDH-05-16A |               | 15     | D2 RDH-07-28A |               | <5     |
| D2 RDH-05-17A |               | 20     | D2 RDH-07-29A |               | <5     |
| D2 RDH-05-18A |               | <5     |               |               |        |
| D2 RDH-05-19A |               | <5     |               |               |        |
| D2 RDH-05-20A |               | <5     |               |               |        |
| D2 RDH-05-21A |               | <5     |               |               |        |
| D2 RDH-05-22A |               | <5     |               |               |        |
| D2 RDH-05-23A |               | <5     |               |               |        |
| D2 RDH-05-24A |               | 5      |               |               |        |
| D2 RDH-05-25A |               | 5      |               |               |        |
| D2 RDH-05-26A |               | 5      |               |               |        |
| D2 RDH-05-27A |               | <5     |               |               |        |
| D2 RDH-05-28A |               | <5     |               |               |        |
| D2 RDH-07-1A  |               | 15     |               |               |        |
| D2 RDH-07-2A  |               | <5     |               |               |        |
| D2 RDH-07-3A  |               | 5      |               |               |        |
| D2 RDH-07-4A  |               | <5     |               |               |        |
| D2 RDH-07-5A  |               | 10     |               |               |        |
| D2 RDH-07-6A  |               | <5     |               |               |        |
| D2 RDH-07-7A  |               | <5     |               |               |        |
| D2 RDH-07-8A  |               | 20     |               |               |        |
| D2 RDH-07-9A  |               | 20     |               |               |        |
| D2 RDH-07-10A |               | 10     |               |               |        |
| D2 RDH-07-11A |               | <5     |               |               |        |
| D2 RDH-07-12A |               | 170    |               |               |        |



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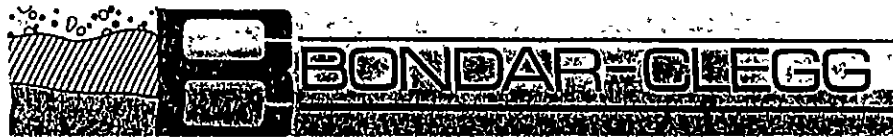
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| SAMPLE NUMBER       | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
|---------------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH-87-04-14     |               | <5     | R2 RDH-87-08-02 |               | 10     |
| R2 RDH-87-04-15     |               | <5     | R2 RDH-87-08-03 |               | 10     |
| R2 RDH-87-04-16     |               | <5     | R2 RDH-87-08-04 |               | 15     |
| R2 RDH-87-04-17     |               | <5     | R2 RDH-87-08-05 |               | 10     |
| R2 RDH-87-04-18     |               | <5     | R2 RDH-87-08-06 |               | <5     |
| R2 RDH-87-04-19     |               | 10     | R2 RDH-87-08-07 |               | 55     |
| R2 RDH-87-04-20     |               | <5     | R2 RDH-87-08-08 |               | 25     |
| R2 RDH-87-04-21     |               | <5     | R2 RDH-87-08-09 |               | 5      |
| R2 RDH-87-04-22     |               | <5     | R2 RDH-87-08-10 |               | 15     |
| R2 RDH-87-04-23     |               | <5     | R2 RDH-87-08-11 |               | 40     |
| R2 RDH-87-04-24     |               | 5      | R2 RDH-87-08-12 |               | 30     |
| R2 RDH-87-04-25     |               | <5     | R2 RDH-87-08-13 |               | 20     |
| R2 RDH-87-04-26     |               | <5     | R2 RDH-87-08-14 |               | 25     |
| R2 RDH-87-04-27     |               | <5     | R2 RDH-87-08-15 |               | 15     |
| R2 RDH-87-06-01     |               | 240    | R2 RDH-87-08-16 |               | 60     |
| R2 RDH-87-06-02     |               | <5     | R2 RDH-87-08-17 |               | 20     |
| R2 RDH-87-06-03     |               | 10     | R2 RDH-87-08-18 |               | 10     |
| R2 RDH-87-06-04     |               | <5     | R2 RDH-87-08-19 |               | 10     |
| R2 RDH-87-06-05     |               | <5     | R2 RDH-87-08-20 |               | 10     |
| R2 RDH-87-06-06     |               | 5      | R2 RDH-87-08-21 |               | <5     |
| R2 RDH-87-06-07     |               | <5     | R2 RDH-87-08-22 |               | <5     |
| R2 RDH-87-06-08     |               | 5      | R2 RDH-87-08-23 |               | <5     |
| R2 RDH-87-06-09     |               | <5     | R2 RDH-87-08-24 |               | <5     |
| R2 RDH-87-06-10     |               | <5     | R2 RDH-87-08-25 |               | <5     |
| R2 RDH-87-06-11     |               | <5     | R2 RDH-87-08-26 |               | <5     |
| R2 RDH-87-06-12     |               | <5     | R2 RDH-87-09-01 |               | 5      |
| R2 RDH-87-06-13     |               | <5     | R2 RDH-87-09-02 |               | <5     |
| R2 RDH-87-06-14     |               | <5     | R2 RDH-87-09-03 |               | <5     |
| R2 RDH-87-06-15     |               | <5     | R2 RDH-87-09-04 |               | <5     |
| R2 RDH-87-06-16     |               | <5     | R2 RDH-87-09-05 |               | <5     |
| R2 RDH-87-06-17     |               | <5     | R2 RDH-87-09-06 |               | <5     |
| R2 RDH-87-06-18     |               | <5     | R2 RDH-87-09-07 |               | <5     |
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| R2 RDH-87-08-01     |               | <5     | R2 RDH-87-09-15 |               | <5     |



Bondar-Clegg & Company Ltd.

130 Pemberton Ave  
North Vancouver, B.C.  
Canada V7P 2R5  
Phone: (604) 985-0681  
Telex: 04-352667



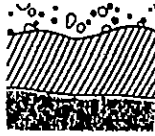
Geochemical  
Lab Report

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| R2 RDH-87-09-23 |               | <5     |               |               |        |
| R2 RDH-87-09-24 |               | <5     |               |               |        |
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| LABORATORY NUMBER       | ELEMENTS | ANALYSIS | LABORATORY NUMBER | ELEMENTS | ANALYSIS |
|-------------------------|----------|----------|-------------------|----------|----------|
| R2 RDH 87-10-1          |          | <5       | R2 RDH 87-11-2    |          | <5       |
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| R2 RDH 87-10-3+5+6 COMP |          | <5       | R2 RDH 87-11-7    |          | <5       |
| R2 RDH 87-10-7          |          | 10       | R2 RDH 87-11-8    |          | <5       |
| R2 RDH 87-10-8          |          | 5        | R2 RDH 87-11-9    |          | <5       |
| R2 RDH 87-10-9+16 COMP  |          | <5       | R2 RDH 87-11-10   |          | <5       |
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| R2 RDH 87-10-11         |          | 25       | R2 RDH 87-11-12   |          | <5       |
| R2 RDH 87-10-12         |          | <5       | R2 RDH 87-11-13   |          | <5       |
| R2 RDH 87-10-13         |          | <5       | R2 RDH 87-11-14   |          | <5       |
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| R2 RDH 87-10-15         |          | <5       | R2 RDH 87-11-16   |          | 5        |
| R2 RDH 87-10-17         |          | <5       | R2 RDH 87-11-17   |          | <5       |
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| R2 RDH 87-11-1          |          | <5       | R2 RDH 87-12-1    |          | <5       |
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|                         |          |          | R2 RDH 87-12-23   |          | 20       |
|                         |          |          | R2 RDH 87-12-24   |          | 25       |
|                         |          |          | R2 RDH 87-12-25   |          | 15       |
|                         |          |          | R2 RDH 87-12-26   |          | 30       |
|                         |          |          | R2 RDH 87-12-27   |          | 15       |
|                         |          |          | R2 RDH 87-12-28   |          | 60       |
|                         |          |          | R2 RDH 87-12-29   |          | <5       |
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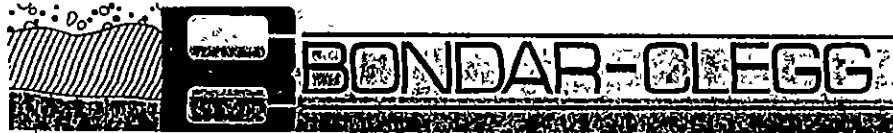
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PAGE

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|      |      |       | R2 RDH 87-14-11 |              | 5        |
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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
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| R2 RDH 87-18-6  |               | <5     | R2 RDH 87-20-7  |               | 10     |
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| R2 RDH 87-18-8  |               | <5     | R2 RDH 87-20-9  |               | <5     |
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| R2 RDH 87-18-18 |               | <5     | R2 RDH 87-20-19 |               | 5      |
| R2 RDH 87-18-19 |               | 5      | R2 RDH 87-21-1  |               | <5     |



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| SAMPLE NUMBER   | ELEMENT UNITS | AU PPB | SAMPLE NUMBER   | ELEMENT UNITS | AU PPB |
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| R2 RDH 87-22-16 |               | <5     | R2 RDH 87-25-8  |               | 65     |
| R2 RDH 87-22-17 |               | <5     | R2 RDH 87-25-9  |               | 10     |



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 R2 RDH 87-26-13 10

SAMPLE ELEMENT Au  
 NUMBER UNITS PPB

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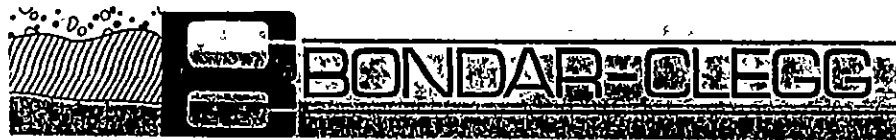
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 R2 RDH 87-26-35 10  
 R2 RDH 87-26-36 400  
 R2 RDH 87-26-37 <5  
 R2 RDH 87-27-1 5

R2 RDH 87-27-2 15  
 R2 RDH 87-27-3 10  
 R2 RDH 87-27-4 50  
 R2 RDH 87-27-5 <5  
 R2 RDH 87-27-6 <5

R2 RDH 87-27-7 45  
 R2 RDH 87-27-8 25  
 R2 RDH 87-27-9 170  
 R2 RDH 87-27-10 40  
 R2 RDH 87-27-11 100

R2 RDH 87-27-12 <5  
 R2 RDH 87-27-13 20  
 R2 RDH 87-27-14 20  
 R2 RDH 87-27-15 10  
 R2 RDH 87-27-16 10



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SAMPLE ELEMENT Au  
 NUMBER UNITS PPB

R2 RDH 87-27-17 <5  
 R2 RDH 87-27-18 10  
 R2 RDH 87-27-19 15  
 R2 RDH 87-27-20 10  
 R2 RDH 87-27-21 10

R2 RDH 87-27-22 35  
 R2 RDH 87-27-23 15  
 R2 RDH 87-27-24 320  
 R2 RDH 87-27-25 25  
 R2 RDH 87-27-26 440

R2 RDH 87-27-27 15  
 R2 RDH 87-27-28 10  
 R2 RDH 87-27-29 <5  
 R2 RDH 87-27-30 5  
 R2 RDH 87-27-31 <5

R2 RDH 87-27-32 5  
 R2 RDH 87-27-33 5  
 R2 RDH 87-27-34 <5  
 R2 RDH 87-27-35 170  
 R2 RDH 87-27-36 <5

R2 RDH 87-28-1 <5  
 R2 RDH 87-28-2 <5  
 R2 RDH 87-28-3 <5  
 R2 RDH 87-28-4 <5  
 R2 RDH 87-28-5 5

R2 RDH 87-28-6 <5  
 R2 RDH 87-28-7 <5  
 R2 RDH 87-28-8 <5  
 R2 RDH 87-28-9 <5  
 R2 RDH 87-28-10 <5

R2 RDH 87-28-11 <5  
 R2 RDH 87-28-12 <5  
 R2 RDH 87-28-13 5  
 R2 RDH 87-28-14 <5  
 R2 RDH 87-28-15 <5

R2 RDH 87-28-16 <5  
 R2 RDH 87-28-17 <5  
 R2 RDH 87-28-18 <5  
 R2 RDH 87-28-19 <5  
 R2 RDH 87-28-20 <5

SAMPLE ELEMENT Au  
 NUMBER UNITS PPB

R2 RDH 87-28-21 <5  
 R2 RDH 87-28-22 <5  
 R2 RDH 87-28-23 <5  
 R2 RDH 87-28-24 <5  
 R2 RDH 87-28-25 <5

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 R2 RDH 87-28-28 <5  
 R2 RDH 87-28-29 <5  
 R2 RDH 87-28-30 <5

R2 RDH 87-28-31 <5  
 R2 RDH 87-28-32 <5  
 R2 RDH 87-28-33 5  
 R2 RDH 87-28-34 10  
 R2 RDH 87-28-35 5

R2 RDH 87-28-36 <5  
 R2 RDH 87-28-37 5  
 R2 RDH 87-28-38 95  
 R2 RDH 87-28-39 380  
 R2 RDH 87-29-1 5

R2 RDH 87-29-2 5  
 R2 RDH 87-29-3 10  
 R2 RDH 87-29-4 10  
 R2 RDH 87-29-5 60  
 R2 RDH 87-29-6 10

R2 RDH 87-29-7 15  
 R2 RDH 87-29-8 10  
 R2 RDH 87-29-9 20  
 R2 RDH 87-29-10 15  
 R2 RDH 87-29-11 5

R2 RDH 87-29-12 10  
 R2 RDH 87-29-13 85  
 R2 RDH 87-29-14 10  
 R2 RDH 87-29-15 <5  
 R2 RDH 87-29-16 <5

R2 RDH 87-29-17 10  
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 R2 RDH 87-29-19 <5  
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 R2 RDH 87-29-21 <5



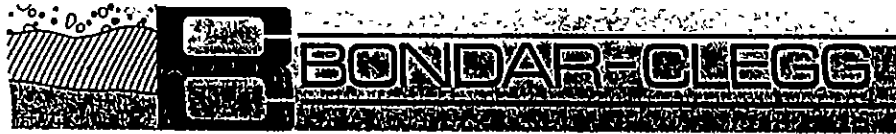


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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
|-----------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH 87-29-22 |               | <5     | R2 RDH 87-30-6  |               | 10     |
| R2 RDH 87-29-23 |               | 10     | R2 RDH 87-30-7  |               | <5     |
| R2 RDH 87-29-24 |               | 740    | R2 RDH 87-30-8  |               | <5     |
| R2 RDH 87-29-25 |               | <5     | R2 RDH 87-30-9  |               | <5     |
| R2 RDH 87-29-26 |               | 640    | R2 RDH 87-30-10 |               | <5     |
| R2 RDH 87-29-27 |               | 10     | R2 RDH 87-30-11 |               | <5     |
| R2 RDH 87-29-28 |               | 10     | R2 RDH 87-30-12 |               | <5     |
| R2 RDH 87-29-29 |               | 5      | R2 RDH 87-30-13 |               | <5     |
| R2 RDH 87-29-30 |               | <5     | R2 RDH 87-30-14 |               | <5     |
| R2 RDH 87-29-31 |               | <5     | R2 RDH 87-30-15 |               | 5      |
| R2 RDH 87-29-32 |               | 20     | R2 RDH 87-30-16 |               | <5     |
| R2 RDH 87-29-33 |               | 10     | R2 RDH 87-30-17 |               | 20     |
| R2 RDH 87-29-34 |               | 440    | R2 RDH 87-30-18 |               | 10     |
| R2 RDH 87-29-35 |               | 35     | R2 RDH 87-30-19 |               | 30     |
| R2 RDH 87-29-36 |               | 460    | R2 RDH 87-30-20 |               | <5     |
| R2 RDH 87-29-37 |               | 50     | R2 RDH 87-30-21 |               | 45     |
| R2 RDH 87-29-38 |               | 150    | R2 RDH 87-30-22 |               | 20     |
| R2 RDH 87-29-39 |               | 20     | R2 RDH 87-30-23 |               | 15     |
| R2 RDH 87-29-40 |               | 10     | R2 RDH 87-30-24 |               | 30     |
| R2 RDH 87-29-41 |               | <5     | R2 RDH 87-30-25 |               | <5     |
| R2 RDH 87-29-42 |               | <5     | R2 RDH 87-30-26 |               | 5      |
| R2 RDH 87-29-43 |               | 5      | R2 RDH 87-30-27 |               | 10     |
| R2 RDH 87-29-44 |               | <5     | R2 RDH 87-30-28 |               | <5     |
| R2 RDH 87-29-45 |               | <5     |                 |               |        |
| R2 RDH 87-29-46 |               | <5     |                 |               |        |
| R2 RDH 87-29-47 |               | <5     |                 |               |        |
| R2 RDH 87-29-48 |               | <5     |                 |               |        |
| R2 RDH 87-29-49 |               | <5     |                 |               |        |
| R2 RDH 87-29-50 |               | <5     |                 |               |        |
| R2 RDH 87-29-51 |               | 10     |                 |               |        |
| R2 RDH 87-29-52 |               | <5     |                 |               |        |
| R2 RDH 87-29-53 |               | <5     |                 |               |        |
| R2 RDH 87-29-54 |               | <5     |                 |               |        |
| R2 RDH 87-29-55 |               | 5      |                 |               |        |
| R2 RDH 87-29-56 |               | <5     |                 |               |        |
| R2 RDH 87-30-1  |               | <5     |                 |               |        |
| R2 RDH 87-30-2  |               | <5     |                 |               |        |
| R2 RDH 87-30-3  |               | <5     |                 |               |        |
| R2 RDH 87-30-4  |               | 5      |                 |               |        |
| R2 RDH 87-30-5  |               | <5     |                 |               |        |



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| SAMPLE NUMBER   | ELEMENT UNITS | AU PPB | SAMPLE NUMBER   | ELEMENT UNITS | AU PPB |
|-----------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH-87-31-01 |               | 5      | R2 RDH-87-32-11 |               | 5      |
| R2 RDH-87-31-02 |               | <5     | R2 RDH-87-32-12 |               | 5      |
| R2 RDH-87-31-03 |               | <5     | R2 RDH-87-32-13 |               | <5     |
| R2 RDH-87-31-04 |               | <5     | R2 RDH-87-32-14 |               | 10     |
| R2 RDH-87-31-05 |               | 5      | R2 RDH-87-32-15 |               | <5     |
| R2 RDH-87-31-06 |               | 45     | R2 RDH-87-32-16 |               | <5     |
| R2 RDH-87-31-07 |               | 25     | R2 RDH-87-32-17 |               | <5     |
| R2 RDH-87-31-08 |               | 20     | R2 RDH-87-32-18 |               | <5     |
| R2 RDH-87-31-09 |               | 50     | R2 RDH-87-32-19 |               | <5     |
| R2 RDH-87-31-10 |               | 50     | R2 RDH-87-32-20 |               | 10     |
| R2 RDH-87-31-11 |               | 15     | R2 RDH-87-32-21 |               | 15     |
| R2 RDH-87-31-12 |               | 20     | R2 RDH-87-32-22 |               | 5      |
| R2 RDH-87-31-13 |               | 5      | R2 RDH-87-32-23 |               | <5     |
| R2 RDH-87-31-14 |               | <5     | R2 RDH-87-32-24 |               | 40     |
| R2 RDH-87-31-15 |               | <5     | R2 RDH-87-32-25 |               | 10     |
| R2 RDH-87-31-16 |               | 25     | R2 RDH-87-33-01 |               | 5      |
| R2 RDH-87-31-17 |               | 20     | R2 RDH-87-33-02 |               | <5     |
| R2 RDH-87-31-18 |               | 5      | R2 RDH-87-33-03 |               | <5     |
| R2 RDH-87-31-19 |               | <5     | R2 RDH-87-33-04 |               | <5     |
| R2 RDH-87-31-20 |               | 5      | R2 RDH-87-33-05 |               | <5     |
| R2 RDH-87-31-21 |               | <5     | R2 RDH-87-33-06 |               | <5     |
| R2 RDH-87-31-22 |               | <5     | R2 RDH-87-33-07 |               | <5     |
| R2 RDH-87-31-23 |               | 15     | R2 RDH-87-33-08 |               | <5     |
| R2 RDH-87-31-24 |               | 120    | R2 RDH-87-33-09 |               | <5     |
| R2 RDH-87-31-25 |               | 25     | R2 RDH-87-33-10 |               | <5     |
| R2 RDH-87-31-26 |               | 5      | R2 RDH-87-33-11 |               | <5     |
| R2 RDH-87-31-27 |               | 30     | R2 RDH-87-33-12 |               | <5     |
| R2 RDH-87-31-28 |               | 45     | R2 RDH-87-33-13 |               | <5     |
| R2 RDH-87-31-29 |               | <5     | R2 RDH-87-33-14 |               | <5     |
| R2 RDH-87-31-30 |               | 5      | R2 RDH-87-33-15 |               | <5     |
| R2 RDH-87-32-01 |               | <5     | R2 RDH-87-33-16 |               | <5     |
| R2 RDH-87-32-02 |               | 10     | R2 RDH-87-33-17 |               | <5     |
| R2 RDH-87-32-03 |               | 25     | R2 RDH-87-33-18 |               | <5     |
| R2 RDH-87-32-04 |               | 25     | R2 RDH-87-33-19 |               | 5      |
| R2 RDH-87-32-05 |               | <5     | R2 RDH-87-33-20 |               | <5     |
| R2 RDH-87-32-06 |               | <5     | R2 RDH-87-34-01 |               | <5     |
| R2 RDH-87-32-07 |               | <5     | R2 RDH-87-34-02 |               | <5     |
| R2 RDH-87-32-08 |               | <5     | R2 RDH-87-34-03 |               | <5     |
| R2 RDH-87-32-09 |               | <5     | R2 RDH-87-34-04 |               | <5     |
| R2 RDH-87-32-10 |               | <5     | R2 RDH-87-34-05 |               | <5     |



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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPR | SAMPLE NUMBER | ELEMENT UNITS | Au PPR |
|-----------------|---------------|--------|---------------|---------------|--------|
| R2 RDH-87-34-06 |               | <5     |               |               |        |
| R2 RDH-87-34-07 |               | <5     |               |               |        |
| R2 RDH-87-34-08 |               | <5     |               |               |        |
| R2 RDH-87-34-09 |               | <5     |               |               |        |
| R2 RDH-87-34-10 |               | <5     |               |               |        |
| R2 RDH-87-34-11 |               | <5     |               |               |        |
| R2 RDH-87-34-12 |               | <5     |               |               |        |
| R2 RDH-87-34-13 |               | <5     |               |               |        |
| R2 RDH-87-34-14 |               | <5     |               |               |        |
| R2 RDH-87-34-15 |               | <5     |               |               |        |
| R2 RDH-87-34-16 |               | <5     |               |               |        |
| R2 RDH-87-34-17 |               | <5     |               |               |        |
| R2 RDH-87-34-18 |               | <5     |               |               |        |
| R2 RDH-87-34-19 |               | <5     |               |               |        |
| R2 RDH-87-34-20 |               | <5     |               |               |        |
| R2 RDH-87-35-01 |               | <5     |               |               |        |
| R2 RDH-87-35-02 |               | 5      |               |               |        |
| R2 RDH-87-35-03 |               | 5      |               |               |        |
| R2 RDH-87-35-04 |               | <5     |               |               |        |
| R2 RDH-87-35-05 |               | 25     |               |               |        |
| R2 RDH-87-35-06 |               | <5     |               |               |        |
| R2 RDH-87-35-07 |               | <5     |               |               |        |
| R2 RDH-87-35-08 |               | <5     |               |               |        |
| R2 RDH-87-35-09 |               | <5     |               |               |        |
| R2 RDH-87-35-10 |               | <5     |               |               |        |
| R2 RDH-87-35-11 |               | <5     |               |               |        |
| R2 RDH-87-35-12 |               | <5     |               |               |        |
| R2 RDH-87-35-13 |               | <5     |               |               |        |
| R2 RDH-87-35-14 |               | <5     |               |               |        |
| R2 RDH-87-35-15 |               | <5     |               |               |        |
| R2 RDH-87-35-16 |               | <5     |               |               |        |
| R2 RDH-87-35-17 |               | <5     |               |               |        |
| R2 RDH-87-35-18 |               | <5     |               |               |        |
| R2 RDH-87-35-19 |               | <5     |               |               |        |
| R2 RDH-87-35-20 |               | <5     |               |               |        |
| R2 RDH-87-35-21 |               | <5     |               |               |        |



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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
|-----------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH 87-36-1  |               | <5     | R2 RDH 87-37-13 |               | <5     |
| R2 RDH 87-36-2  |               | <5     | R2 RDH 87-37-14 |               | <5     |
| R2 RDH 87-36-3  |               | 40     | R2 RDH 87-37-15 |               | <5     |
| R2 RDH 87-36-4  |               | <5     | R2 RDH 87-37-16 |               | <5     |
| R2 RDH 87-36-5  |               | <5     | R2 RDH 87-37-17 |               | <5     |
| R2 RDH 87-36-6  |               | <5     | R2 RDH 87-37-18 |               | <5     |
| R2 RDH 87-36-7  |               | 5      | R2 RDH 87-37-19 |               | <5     |
| R2 RDH 87-36-8  |               | <5     | R2 RDH 87-37-20 |               | <5     |
| R2 RDH 87-36-9  |               | <5     | R2 RDH 87-38-1  |               | <5     |
| R2 RDH 87-36-10 |               | <5     | R2 RDH 87-38-2  |               | <5     |
| R2 RDH 87-36-11 |               | <5     | R2 RDH 87-38-3  |               | <5     |
| R2 RDH 87-36-12 |               | 10     | R2 RDH 87-38-4  |               | <5     |
| R2 RDH 87-36-13 |               | 10     | R2 RDH 87-38-5  |               | <5     |
| R2 RDH 87-36-14 |               | 5      | R2 RDH 87-38-6  |               | <5     |
| R2 RDH 87-36-15 |               | <5     | R2 RDH 87-38-7  |               | <5     |
| R2 RDH 87-36-16 |               | <5     | R2 RDH 87-38-8  |               | <5     |
| R2 RDH 87-36-17 |               | <5     | R2 RDH 87-38-9  |               | <5     |
| R2 RDH 87-36-18 |               | <5     | R2 RDH 87-38-10 |               | <5     |
| R2 RDH 87-36-19 |               | <5     | R2 RDH 87-38-11 |               | <5     |
| R2 RDH 87-36-20 |               | <5     | R2 RDH 87-38-12 |               | <5     |
| R2 RDH 87-36-21 |               | <5     | R2 RDH 87-38-13 |               | <5     |
| R2 RDH 87-36-22 |               | <5     | R2 RDH 87-38-14 |               | <5     |
| R2 RDH 87-36-23 |               | <5     | R2 RDH 87-38-15 |               | <5     |
| R2 RDH 87-36-24 |               | 10     | R2 RDH 87-38-16 |               | <5     |
| R2 RDH 87-36-25 |               | <5     | R2 RDH 87-38-17 |               | <5     |
| R2 RDH 87-36-26 |               | <5     | R2 RDH 87-38-18 |               | <5     |
| R2 RDH 87-36-27 |               | 5      | R2 RDH 87-38-19 |               | <5     |
| R2 RDH 87-36-28 |               | <5     | R2 RDH 87-38-20 |               | <5     |
| R2 RDH 87-37-1  |               | <5     | R2 RDH 87-38-21 |               | <5     |
| R2 RDH 87-37-2  |               | <5     | R2 RDH 87-38-22 |               | <5     |
| R2 RDH 87-37-3  |               | <5     | R2 RDH 87-38-23 |               | <5     |
| R2 RDH 87-37-4  |               | <5     | R2 RDH 87-38-24 |               | <5     |
| R2 RDH 87-37-5  |               | <5     | R2 RDH 87-39-1  |               | <5     |
| R2 RDH 87-37-6  |               | <5     | R2 RDH 87-39-2  |               | <5     |
| R2 RDH 87-37-7  |               | <5     | R2 RDH 87-39-3  |               | <5     |
| R2 RDH 87-37-8  |               | <5     | R2 RDH 87-39-4  |               | <5     |
| R2 RDH 87-37-9  |               | <5     | R2 RDH 87-39-5  |               | <5     |
| R2 RDH 87-37-10 |               | <5     | R2 RDH 87-39-6  |               | <5     |
| R2 RDH 87-37-11 |               | <5     | R2 RDH 87-39-7  |               | <5     |
| R2 RDH 87-37-12 |               | <5     | R2 RDH 87-39-8  |               | <5     |



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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER | ELEMENT UNITS | Au PPB |
|-----------------|---------------|--------|---------------|---------------|--------|
| R2 RDH 87-39-9  |               | <5     |               |               |        |
| R2 RDH 87-39-10 |               | <5     |               |               |        |
| R2 RDH 87-39-11 |               | <5     |               |               |        |
| R2 RDH 87-39-12 |               | <5     |               |               |        |
| R2 RDH 87-39-13 |               | <5     |               |               |        |
| R2 RDH 87-39-14 |               | <5     |               |               |        |
| R2 RDH 87-39-15 |               | <5     |               |               |        |
| R2 RDH 87-39-16 |               | <5     |               |               |        |
| R2 RDH 87-39-17 |               | <5     |               |               |        |
| R2 RDH 87-39-18 |               | <5     |               |               |        |
| R2 RDH 87-39-19 |               | <5     |               |               |        |
| R2 RDH 87-39-20 |               | 5      |               |               |        |
| R2 RDH 87-39-21 |               | 5      |               |               |        |



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PAGE 1

| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
|-----------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH 87-40-1  |               | <5     | R2 RDH 87-41-15 |               | <5     |
| R2 RDH 87-40-2  |               | <5     | R2 RDH 87-41-16 |               | <5     |
| R2 RDH 87-40-3  |               | <5     | R2 RDH 87-41-17 |               | <5     |
| R2 RDH 87-40-4  |               | <5     | R2 RDH 87-41-18 |               | <5     |
| R2 RDH 87-40-5  |               | <5     | R2 RDH 87-41-19 |               | <5     |
| R2 RDH 87-40-6  |               | <5     | R2 RDH 87-41-20 |               | <5     |
| R2 RDH 87-40-7  |               | <5     | R2 RDH 87-41-21 |               | <5     |
| R2 RDH 87-40-8  |               | <5     | R2 RDH 87-41-22 |               | <5     |
| R2 RDH 87-40-9  |               | <5     | R2 RDH 87-41-23 |               | <5     |
| R2 RDH 87-40-10 |               | <5     | R2 RDH 87-41-24 |               | <5     |
| R2 RDH 87-40-11 |               | <5     | R2 RDH 87-41-25 |               | <5     |
| R2 RDH 87-40-12 |               | <5     | R2 RDH 87-42-1  |               | <5     |
| R2 RDH 87-40-13 |               | <5     | R2 RDH 87-42-2  |               | <5     |
| R2 RDH 87-40-14 |               | <5     | R2 RDH 87-42-3  |               | <5     |
| R2 RDH 87-40-15 |               | <5     | R2 RDH 87-42-4  |               | <5     |
| R2 RDH 87-40-16 |               | <5     | R2 RDH 87-42-5  |               | <5     |
| R2 RDH 87-40-17 |               | <5     | R2 RDH 87-42-6  |               | 45     |
| R2 RDH 87-40-18 |               | <5     | R2 RDH 87-42-7  |               | <5     |
| R2 RDH 87-40-19 |               | <5     | R2 RDH 87-42-8  |               | <5     |
| R2 RDH 87-40-20 |               | <5     | R2 RDH 87-42-9  |               | 20     |
| R2 RDH 87-40-21 |               | <5     | R2 RDH 87-42-10 |               | 10     |
| R2 RDH 87-40-22 |               | <5     | R2 RDH 87-42-11 |               | 5      |
| R2 RDH 87-40-23 |               | <5     | R2 RDH 87-42-12 |               | 5      |
| R2 RDH 87-40-24 |               | 5      | R2 RDH 87-42-13 |               | <5     |
| R2 RDH 87-40-25 |               | <5     | R2 RDH 87-42-14 |               | 60     |
| R2 RDH 87-40-26 |               | <5     | R2 RDH 87-42-15 |               | 50     |
| R2 RDH 87-41-1  |               | <5     | R2 RDH 87-42-16 |               | 10     |
| R2 RDH 87-41-2  |               | <5     | R2 RDH 87-42-17 |               | <5     |
| R2 RDH 87-41-3  |               | <5     | R2 RDH 87-42-18 |               | 100    |
| R2 RDH 87-41-4  |               | <5     | R2 RDH 87-42-19 |               | 15     |
| R2 RDH 87-41-5  |               | <5     | R2 RDH 87-42-20 |               | <5     |
| R2 RDH 87-41-6  |               | <5     | R2 RDH 87-42-21 |               | 30     |
| R2 RDH 87-41-7  |               | <5     | R2 RDH 87-42-22 |               | <5     |
| R2 RDH 87-41-8  |               | 5      | R2 RDH 87-42-23 |               | <5     |
| R2 RDH 87-41-9  |               | 5      | R2 RDH 87-42-24 |               | <5     |
| R2 RDH 87-41-10 |               | 5      | R2 RDH 87-42-25 |               | <5     |
| R2 RDH 87-41-11 |               | 5      | R2 RDH 87-43-1  |               | <5     |
| R2 RDH 87-41-12 |               | <5     | R2 RDH 87-43-2  |               | <5     |
| R2 RDH 87-41-13 |               | <5     | R2 RDH 87-43-3  |               | <5     |
| R2 RDH 87-41-14 |               | <5     | R2 RDH 87-43-4  |               | 5      |



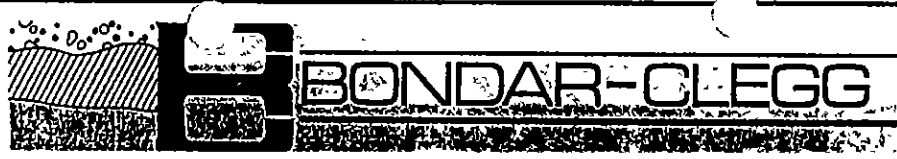
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| SAMPLE NUMBER   | ELEMENT UNITS | Au PPB | SAMPLE NUMBER   | ELEMENT UNITS | Au PPB |
|-----------------|---------------|--------|-----------------|---------------|--------|
| R2 RDH 87-43-5  |               | 50     | R2 RDH 87-45-3  |               | <5     |
| R2 RDH 87-43-6  |               | 55     | R2 RDH 87-45-4  |               | <5     |
| R2 RDH 87-43-7  |               | <5     | R2 RDH 87-45-5  |               | <5     |
| R2 RDH 87-43-8  |               | 5      | R2 RDH 87-45-6  |               | <5     |
| R2 RDH 87-43-9  |               | <5     | R2 RDH 87-45-7  |               | <5     |
| R2 RDH 87-43-10 |               | 150    | R2 RDH 87-45-8  |               | <5     |
| R2 RDH 87-43-11 |               | 240    | R2 RDH 87-45-9  |               | <5     |
| R2 RDH 87-43-12 |               | <5     | R2 RDH 87-45-10 |               | 5      |
| R2 RDH 87-43-13 |               | 5      | R2 RDH 87-45-11 |               | <5     |
| R2 RDH 87-43-14 |               | 110    | R2 RDH 87-45-12 |               | <5     |
| R2 RDH 87-43-15 |               | <5     | R2 RDH 87-45-13 |               | <5     |
| R2 RDH 87-43-16 |               | <5     |                 |               |        |
| R2 RDH 87-44-01 |               | 5      |                 |               |        |
| R2 RDH 87-44-02 |               | <5     |                 |               |        |
| R2 RDH 87-44-03 |               | <5     |                 |               |        |
| R2 RDH 87-44-04 |               | <5     |                 |               |        |
| R2 RDH 87-44-05 |               | <5     |                 |               |        |
| R2 RDH 87-44-06 |               | <5     |                 |               |        |
| R2 RDH 87-44-07 |               | <5     |                 |               |        |
| R2 RDH 87-44-08 |               | 10     |                 |               |        |
| R2 RDH 87-44-09 |               | 10     |                 |               |        |
| R2 RDH 87-44-10 |               | <5     |                 |               |        |
| R2 RDH 87-44-11 |               | <5     |                 |               |        |
| R2 RDH 87-44-12 |               | <5     |                 |               |        |
| R2 RDH 87-44-13 |               | <5     |                 |               |        |
| R2 RDH 87-44-14 |               | 10     |                 |               |        |
| R2 RDH 87-44-15 |               | <5     |                 |               |        |
| R2 RDH 87-44-16 |               | <5     |                 |               |        |
| R2 RDH 87-44-17 |               | 5      |                 |               |        |
| R2 RDH 87-44-18 |               | 10     |                 |               |        |
| R2 RDH 87-44-19 |               | 10     |                 |               |        |
| R2 RDH 87-44-20 |               | 10     |                 |               |        |
| R2 RDH 87-44-21 |               | 380    |                 |               |        |
| R2 RDH 87-44-22 |               | 150    |                 |               |        |
| R2 RDH 87-44-23 |               | 110    |                 |               |        |
| R2 RDH 87-44-24 |               | 5      |                 |               |        |
| R2 RDH 87-44-25 |               | 25     |                 |               |        |
| R2 RDH 87-44-26 |               | 5      |                 |               |        |
| R2 RDH 87-45-1  |               | 5      |                 |               |        |
| R2 RDH 87-45-2  |               | 5      |                 |               |        |

Bondar-Clegg & Company Ltd.  
130 Pemberton Ave.  
North Vancouver, B.C.  
Canada V7P 2R5  
Phone: (604) 985-0681  
Telex: 04-352667



Certificate  
of Analysis

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| SAMPLE NUMBER   | ELEMENT UNITS | WT G  | WT-150 G | WT+150 G | Au-150 OPT | Au+150 OPT | Au+150 MG | Au TOT OPT |
|-----------------|---------------|-------|----------|----------|------------|------------|-----------|------------|
| R2 RDH 87-17-10 |               | 29.17 | 1011.5   | 26.17    | <0.002     | <0.01      | <0.002    | <0.002     |
| R2 RDH 87-25-3  |               | 29.17 | 1325.0   | 42.26    | 0.038      | 0.37       | 0.536     | 0.048      |
| R2 RDH 87-25-4  |               | 29.17 | 1535.2   | 38.18    | 0.195      | 3.90       | 5.100     | 0.285      |
| R2 RDH 87-26-4  |               | 29.17 | 1299.3   | 40.03    | 0.026      | 0.15       | 0.201     | 0.030      |
| R2 RDH 87-29-24 |               | 29.17 | 1201.2   | 40.89    | 0.025      | 0.04       | 0.062     | 0.026      |
| R2 RDH 87-29-26 |               | 29.17 | 1293.0   | 35.62    | 0.016      | <0.01      | 0.012     | 0.016      |



GEOCHEMICAL ANALYSIS CERTIFICATE

MASTON  
NB: SEE ATTACHED

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR NA FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: Pulp

PAR.

1/3 5776  
YELLOW JACKET  
H.B.C. 184N-12  
PAR.

DATE RECEIVED: DEC 9 1987 DATE REPORT MAILED: Dec 15/87 ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

HOMESTAKE MINERAL File # 87-6094 Page 1

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | PPM  | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | PPM  | PPM | PPM | PPM   | PPM | PPM | PPM | PPM  | PPM | PPM | PPM |
| RDH-87-01-1  | 1   | 34  | 49  | 47  | .3  | 207  | 15  | 422  | 2.76 | 11  | 5   | ND  | 1   | 46  | 1   | 2   | 2   | 43  | 1.78 | .034 | 5   | 137 | 2.77  | 97  | .12 | 5   | 1.11 | .04 | .08 | 2   |
| RDH-87-01-2  | 1   | 30  | 19  | 44  | .1  | 271  | 19  | 474  | 2.82 | 8   | 5   | ND  | 1   | 48  | 1   | 2   | 2   | 42  | 2.11 | .039 | 4   | 157 | 3.40  | 91  | .09 | 4   | 1.12 | .03 | .08 | 1   |
| RDH-87-01-3  | 1   | 24  | 18  | 28  | .4  | 725  | 37  | 592  | 2.98 | 11  | 6   | ND  | 2   | 52  | 1   | 2   | 2   | 30  | 2.52 | .014 | 2   | 545 | 4.58  | 30  | .04 | 11  | .76  | .02 | .04 | 1   |
| RDH-87-01-4  | 1   | 20  | 13  | 25  | .1  | 935  | 45  | 440  | 3.51 | 9   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 23  | 1.03 | .007 | 2   | 726 | 10.54 | 17  | .03 | 10  | .58  | .01 | .02 | 1   |
| RDH-87-01-5  | 1   | 25  | 22  | 28  | .1  | 969  | 48  | 617  | 3.58 | 12  | 5   | ND  | 2   | 15  | 1   | 2   | 2   | 27  | .85  | .008 | 2   | 735 | 10.79 | 17  | .03 | 13  | .71  | .02 | .02 | 1   |
| RDH-87-01-6  | 1   | 12  | 3   | 22  | .1  | 1024 | 48  | 677  | 3.52 | 12  | 5   | ND  | 1   | 16  | 1   | 2   | 2   | 29  | .79  | .003 | 2   | 811 | 12.52 | 12  | .02 | 13  | .67  | .01 | .01 | 1   |
| RDH-87-01-7  | 1   | 15  | 9   | 29  | .1  | 681  | 33  | 501  | 2.60 | 11  | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 16  | 1.85 | .010 | 3   | 509 | 4.55  | 24  | .01 | 4   | .91  | .01 | .03 | 1   |
| RDH-87-01-8  | 1   | 12  | 27  | 41  | .1  | 94   | 7   | 268  | 1.51 | 3   | 5   | ND  | 2   | 18  | 1   | 2   | 2   | 14  | 1.02 | .021 | 7   | 73  | 1.35  | 42  | .02 | 2   | .87  | .04 | .05 | 2   |
| RDH-87-01-9  | 1   | 6   | 9   | 39  | .2  | 23   | 4   | 231  | 1.24 | 2   | 5   | ND  | 3   | 26  | 1   | 2   | 3   | 9   | 1.47 | .024 | 9   | 27  | .69   | 56  | .01 | 2   | .80  | .04 | .09 | 2   |
| RDH-87-01-10 | 1   | 3   | 15  | 32  | .1  | 6    | 2   | 223  | .97  | 2   | 5   | ND  | 1   | 32  | 1   | 2   | 2   | 5   | 2.06 | .022 | 9   | 16  | .45   | 73  | .01 | 2   | .63  | .03 | .09 | 1   |
| RDH-87-01-11 | 1   | 1   | 5   | 39  | .1  | 12   | 3   | 213  | 1.15 | 2   | 5   | ND  | 2   | 20  | 1   | 2   | 3   | 8   | .96  | .022 | 8   | 22  | .75   | 34  | .01 | 2   | .92  | .04 | .05 | 1   |
| RDH-87-01-12 | 1   | 5   | 7   | 33  | .1  | 36   | 3   | 175  | 1.20 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 4   | 7   | .25  | .022 | 7   | 36  | .92   | 41  | .01 | 2   | .94  | .03 | .07 | 1   |
| RDH-87-01-13 | 1   | 12  | 5   | 19  | .1  | 911  | 43  | 480  | 2.85 | 31  | 5   | ND  | 1   | 54  | 1   | 2   | 2   | 16  | 4.00 | .002 | 2   | 768 | 7.55  | 14  | .01 | 10  | .65  | .01 | .01 | 1   |
| RDH-87-01-14 | 1   | 54  | 3   | 17  | .4  | 1115 | 53  | 691  | 3.41 | 116 | 6   | ND  | 3   | 49  | 1   | 2   | 2   | 18  | 2.06 | .002 | 2   | 729 | 10.88 | 2   | .01 | 4   | .52  | .01 | .01 | 1   |
| RDH-87-01-15 | 1   | 7   | 3   | 34  | .5  | 259  | 21  | 525  | 2.98 | 162 | 5   | ND  | 3   | 143 | 1   | 2   | 2   | 46  | 3.49 | .020 | 5   | 389 | 4.18  | 26  | .04 | 4   | 1.66 | .02 | .06 | 1   |
| RDH-87-01-16 | 1   | 5   | 11  | 24  | .2  | 134  | 14  | 279  | 1.99 | 10  | 5   | ND  | 2   | 35  | 1   | 2   | 2   | 36  | 1.60 | .034 | 7   | 246 | 2.36  | 53  | .07 | 2   | 1.44 | .03 | .08 | 1   |
| RDH-87-01-17 | 1   | 5   | 7   | 29  | .1  | 129  | 14  | 299  | 2.19 | 4   | 5   | ND  | 1   | 46  | 1   | 2   | 2   | 37  | 1.26 | .030 | 7   | 259 | 2.70  | 91  | .05 | 2   | 1.45 | .05 | .10 | 1   |
| RDH-87-01-18 | 2   | 7   | 2   | 37  | .1  | 125  | 13  | 291  | 2.05 | 2   | 5   | ND  | 2   | 36  | 1   | 2   | 2   | 32  | 1.22 | .030 | 7   | 234 | 2.51  | 49  | .05 | 2   | 1.49 | .05 | .05 | 1   |
| RDH-87-01-19 | 1   | 27  | 2   | 32  | .3  | 517  | 29  | 570  | 2.98 | 20  | 5   | ND  | 3   | 119 | 1   | 2   | 2   | 44  | 2.67 | .025 | 5   | 546 | 4.80  | 25  | .02 | 2   | 2.04 | .02 | .02 | 1   |
| RDH-87-01-20 | 1   | 34  | 8   | 27  | .1  | 1018 | 51  | 857  | 3.88 | 55  | 5   | ND  | 1   | 120 | 1   | 2   | 2   | 46  | 3.62 | .008 | 2   | 466 | 9.34  | 10  | .01 | 4   | 1.52 | .01 | .01 | 1   |
| RDH-87-01-21 | 1   | 11  | 2   | 37  | .1  | 683  | 43  | 728  | 5.15 | 12  | 5   | ND  | 1   | 147 | 1   | 2   | 2   | 68  | 3.10 | .013 | 2   | 179 | 11.53 | 15  | .01 | 2   | 1.47 | .01 | .07 | 1   |
| RDH-87-01-22 | 1   | 17  | 3   | 35  | .4  | 668  | 36  | 1089 | 3.83 | 262 | 5   | ND  | 1   | 339 | 1   | 14  | 2   | 34  | 9.40 | .008 | 2   | 196 | 7.09  | 12  | .01 | 2   | .65  | .01 | .04 | 1   |
| RDH-87-01-23 | 2   | 2   | 6   | 68  | .3  | 354  | 30  | 1923 | 4.84 | 68  | 8   | ND  | 3   | 191 | 1   | 2   | 2   | 105 | 6.65 | .034 | 6   | 320 | 8.76  | 13  | .01 | 2   | 3.50 | .01 | .02 | 1   |
| RDH-87-01-24 | 2   | 22  | 5   | 68  | .1  | 370  | 30  | 1461 | 4.08 | 31  | 5   | ND  | 1   | 118 | 1   | 2   | 2   | 99  | 4.22 | .032 | 5   | 413 | 6.23  | 42  | .03 | 2   | 2.95 | .01 | .10 | 1   |
| RDH-87-01-25 | 1   | 65  | 5   | 48  | .1  | 72   | 17  | 696  | 3.69 | 2   | 5   | ND  | 2   | 75  | 1   | 2   | 3   | 104 | 1.59 | .021 | 3   | 138 | 4.15  | 89  | .14 | 2   | 2.70 | .02 | .39 | 1   |
| RDH-87-02-1  | 2   | 58  | 5   | 48  | .3  | 57   | 16  | 296  | 2.81 | 2   | 5   | ND  | 4   | 16  | 1   | 2   | 5   | 75  | .88  | .029 | 3   | 69  | 1.34  | 101 | .17 | 2   | 1.29 | .09 | .27 | 1   |
| RDH-87-02-2  | 2   | 68  | 5   | 66  | .2  | 41   | 14  | 365  | 3.16 | 2   | 5   | ND  | 3   | 14  | 1   | 2   | 2   | 73  | 1.57 | .024 | 4   | 55  | 1.00  | 118 | .23 | 2   | 1.06 | .05 | .26 | 1   |
| RDH-87-02-3  | 1   | 62  | 5   | 39  | .3  | 42   | 14  | 340  | 2.91 | 2   | 5   | ND  | 2   | 16  | 1   | 2   | 2   | 71  | 1.87 | .030 | 3   | 54  | 1.00  | 56  | .21 | 3   | 1.09 | .10 | .14 | 1   |
| RDH-87-02-4  | 1   | 57  | 2   | 38  | .2  | 31   | 14  | 328  | 3.07 | 5   | 5   | ND  | 2   | 11  | 1   | 2   | 3   | 75  | 1.33 | .031 | 2   | 56  | 1.10  | 62  | .19 | 3   | 1.28 | .15 | .13 | 1   |
| RDH-87-02-5  | 1   | 63  | 7   | 35  | .1  | 28   | 13  | 339  | 2.98 | 2   | 5   | ND  | 2   | 13  | 1   | 2   | 2   | 67  | 1.55 | .026 | 2   | 47  | 1.17  | 102 | .16 | 2   | 1.41 | .15 | .13 | 1   |
| RDH-87-02-6  | 1   | 65  | 3   | 41  | .1  | 35   | 18  | 346  | 3.53 | 4   | 5   | ND  | 1   | 10  | 1   | 2   | 2   | 84  | 1.45 | .034 | 2   | 46  | 1.13  | 85  | .17 | 4   | 1.37 | .17 | .18 | 2   |
| RDH-87-02-7  | 1   | 54  | 4   | 40  | .3  | 32   | 16  | 304  | 3.18 | 5   | 5   | ND  | 2   | 8   | 1   | 3   | 2   | 67  | 1.17 | .031 | 2   | 41  | 1.01  | 85  | .13 | 2   | 1.18 | .15 | .20 | 3   |
| RDH-87-02-8  | 1   | 75  | 4   | 36  | .1  | 32   | 17  | 399  | 3.40 | 12  | 5   | ND  | 1   | 10  | 1   | 3   | 2   | 74  | 1.59 | .033 | 2   | 44  | 1.09  | 66  | .15 | 2   | 1.34 | .19 | .16 | 1   |
| RDH-87-02-9  | 1   | 64  | 2   | 30  | .4  | 31   | 14  | 444  | 2.93 | 2   | 5   | ND  | 1   | 17  | 1   | 2   | 2   | 67  | 2.28 | .025 | 2   | 58  | .94   | 43  | .14 | 2   | 1.28 | .21 | .10 | 2   |
| RDH-87-02-10 | 1   | 63  | 4   | 31  | .1  | 32   | 15  | 431  | 2.85 | 2   | 5   | ND  | 1   | 17  | 1   | 2   | 2   | 65  | 2.48 | .029 | 2   | 59  | .94   | 54  | .17 | 4   | 1.23 | .20 | .12 | 3   |
| RDH-87-02-11 | 1   | 72  | 19  | 33  | .1  | 29   | 18  | 383  | 2.94 | 2   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 67  | 1.87 | .028 | 2   | 47  | .92   | 54  | .15 | 2   | 1.23 | .20 | .12 | 16  |
| STD C        | 19  | 56  | 38  | 131 | 6.9 | 68   | 27  | 1045 | 3.86 | 38  | 19  | 6   | 36  | 47  | 17  | 17  | 18  | 54  | .49  | .087 | 36  | 56  | .87   | 172 | .08 | 38  | 1.85 | .05 | .14 | 12  |

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | ND  | CU  | PB  | ZN  | AG  | NI  | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | MG   | BA  | TI  | B   | AL   | NA  | K    | W   |
|--------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|-----|-----|------|-----|------|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I   | I    | I    | PPM | PPM | I    | PPM | I   | PPM | I    | I   | I    | PPM |
| RDH-87-02-12 | 1   | 61  | 2   | 44  | .1  | 33  | 17  | 434  | 3.60 | 4   | 5   | ND  | 3   | 14  | 1   | 2   | 3   | 104 | 1.70 | .030 | 2   | 62  | 1.38 | 39  | .23 | 2   | 1.77 | .19 | .10  | 1   |
| RDH-87-02-13 | 1   | 66  | 3   | 42  | .1  | 29  | 15  | 417  | 3.32 | 2   | 5   | ND  | 2   | 25  | 1   | 2   | 2   | 88  | 1.78 | .029 | 2   | 62  | 1.27 | 29  | .19 | 7   | 1.69 | .21 | .07  | 1   |
| RDH-87-02-14 | 1   | 62  | 2   | 31  | .1  | 27  | 13  | 391  | 2.66 | 2   | 5   | ND  | 2   | 20  | 1   | 3   | 2   | 70  | 1.91 | .024 | 2   | 50  | .90  | 32  | .17 | 4   | 1.24 | .20 | .09  | 1   |
| RDH-87-02-15 | 1   | 57  | 2   | 41  | .1  | 26  | 14  | 387  | 2.95 | 2   | 5   | ND  | 2   | 17  | 1   | 2   | 2   | 81  | 1.83 | .028 | 2   | 51  | 1.06 | 38  | .19 | 3   | 1.45 | .19 | .11  | 2   |
| RDH-87-02-16 | 1   | 66  | 3   | 39  | .1  | 24  | 14  | 420  | 3.47 | 2   | 5   | ND  | 2   | 24  | 1   | 2   | 2   | 97  | 2.10 | .029 | 2   | 51  | 1.16 | 37  | .23 | 3   | 1.72 | .20 | .09  | 2   |
| RDH-87-02-17 | 1   | 57  | 5   | 44  | .1  | 23  | 14  | 356  | 3.03 | 5   | 5   | ND  | 2   | 11  | 1   | 2   | 2   | 83  | 1.35 | .029 | 2   | 54  | 1.17 | 24  | .19 | 2   | 1.52 | .19 | .07  | 1   |
| RDH-87-02-18 | 1   | 56  | 3   | 29  | .1  | 20  | 12  | 314  | 2.39 | 2   | 5   | ND  | 2   | 12  | 1   | 2   | 2   | 67  | 1.87 | .030 | 2   | 42  | .87  | 26  | .17 | 3   | 1.13 | .14 | .08  | 1   |
| RDH-87-03-1  | 1   | 64  | 3   | 54  | .1  | 44  | 21  | 395  | 4.04 | 2   | 5   | ND  | 2   | 9   | 1   | 2   | 7   | 106 | 1.19 | .034 | 2   | 77  | 1.80 | 174 | .19 | 2   | 1.87 | .17 | .14  | 1   |
| RDH-87-03-2  | 1   | 69  | 9   | 42  | .2  | 77  | 19  | 362  | 3.48 | 7   | 6   | ND  | 4   | 7   | 1   | 2   | 4   | 83  | 1.13 | .027 | 2   | 92  | 1.92 | 182 | .15 | 3   | 1.61 | .13 | .12  | 1   |
| RDH-87-03-3  | 4   | 74  | 79  | 98  | .2  | 46  | 19  | 357  | 3.76 | 5   | 5   | ND  | 5   | 10  | 1   | 3   | 3   | 110 | 1.08 | .032 | 7   | 86  | 1.45 | 214 | .20 | 2   | 1.45 | .08 | .27  | 1   |
| RDH-87-03-4  | 5   | 81  | 24  | 101 | .1  | 41  | 10  | 339  | 2.65 | 4   | 5   | ND  | 7   | 10  | 1   | 3   | 3   | 74  | .69  | .021 | 12  | 76  | .98  | 107 | .09 | 2   | 1.07 | .03 | .32  | 3   |
| RDH-87-03-5  | 2   | 76  | 13  | 89  | .3  | 42  | 9   | 366  | 2.45 | 4   | 5   | ND  | 7   | 76  | 1   | 2   | 2   | 56  | 1.08 | .015 | 12  | 67  | .94  | 162 | .12 | 2   | 1.19 | .02 | .50  | 1   |
| RDH-87-03-6  | 7   | 76  | 13  | 123 | .1  | 34  | 8   | 337  | 2.60 | 2   | 5   | ND  | 7   | 12  | 1   | 2   | 2   | 54  | .37  | .025 | 15  | 52  | .92  | 48  | .12 | 3   | 1.29 | .02 | .56  | 1   |
| RDH-87-03-7  | 9   | 85  | 17  | 112 | .3  | 34  | 8   | 307  | 2.40 | 4   | 5   | ND  | 7   | 5   | 1   | 4   | 2   | 39  | .20  | .025 | 14  | 39  | .82  | 41  | .10 | 2   | 1.14 | .02 | .55  | 3   |
| RDH-87-03-8  | 7   | 80  | 9   | 101 | .1  | 32  | 9   | 316  | 2.33 | 2   | 5   | ND  | 6   | 9   | 1   | 2   | 2   | 27  | .70  | .025 | 13  | 36  | .65  | 36  | .07 | 2   | 1.01 | .01 | .37  | 3   |
| RDH-87-03-9  | 5   | 75  | 65  | 105 | .1  | 35  | 9   | 314  | 2.49 | 2   | 5   | ND  | 6   | 6   | 1   | 2   | 2   | 37  | .27  | .024 | 15  | 43  | .92  | 60  | .12 | 2   | 1.31 | .02 | .60  | 2   |
| RDH-87-03-10 | 3   | 81  | 10  | 98  | .1  | 35  | 9   | 294  | 2.37 | 4   | 5   | ND  | 5   | 5   | 1   | 2   | 4   | 28  | .23  | .022 | 14  | 43  | .87  | 62  | .11 | 3   | 1.26 | .02 | .55  | 3   |
| RDH-87-03-11 | 4   | 80  | 10  | 103 | .1  | 38  | 9   | 272  | 2.51 | 7   | 5   | ND  | 6   | 5   | 1   | 2   | 6   | 32  | .21  | .016 | 14  | 44  | .90  | 65  | .10 | 4   | 1.22 | .02 | .52  | 1   |
| RDH-87-03-12 | 2   | 71  | 6   | 101 | .1  | 38  | 10  | 304  | 2.52 | 14  | 5   | ND  | 4   | 5   | 1   | 2   | 2   | 35  | .19  | .014 | 13  | 50  | .95  | 91  | .13 | 2   | 1.34 | .02 | .66  | 5   |
| RDH-87-03-13 | 4   | 78  | 5   | 89  | .1  | 33  | 10  | 483  | 2.92 | 2   | 5   | ND  | 7   | 9   | 1   | 2   | 2   | 69  | .32  | .036 | 11  | 58  | 1.16 | 286 | .17 | 2   | 1.69 | .04 | .86  | 2   |
| RDH-87-03-14 | 2   | 90  | 36  | 87  | .1  | 32  | 11  | 970  | 3.26 | 3   | 5   | ND  | 3   | 58  | 1   | 2   | 4   | 78  | 2.34 | .035 | 5   | 61  | 1.40 | 472 | .16 | 2   | 2.34 | .11 | .91  | 3   |
| RDH-87-03-15 | 1   | 90  | 5   | 90  | .3  | 30  | 11  | 700  | 3.27 | 9   | 10  | ND  | 6   | 24  | 1   | 2   | 2   | 82  | .72  | .027 | 6   | 68  | 1.39 | 383 | .20 | 2   | 2.35 | .12 | 1.06 | 1   |
| RDH-87-03-16 | 2   | 87  | 30  | 88  | .3  | 38  | 10  | 573  | 2.91 | 2   | 5   | ND  | 7   | 20  | 1   | 2   | 2   | 50  | .81  | .021 | 11  | 56  | 1.11 | 135 | .13 | 4   | 1.57 | .03 | .70  | 4   |
| RDH-87-03-17 | 5   | 91  | 8   | 84  | .1  | 34  | 11  | 616  | 3.23 | 4   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 62  | .61  | .028 | 9   | 56  | 1.19 | 157 | .12 | 3   | 1.69 | .03 | .68  | 4   |
| RDH-87-03-18 | 5   | 89  | 21  | 84  | .1  | 29  | 9   | 544  | 2.83 | 2   | 5   | ND  | 5   | 17  | 1   | 2   | 2   | 42  | .90  | .020 | 11  | 49  | .93  | 107 | .09 | 2   | 1.42 | .02 | .56  | 3   |
| RDH-87-03-19 | 3   | 111 | 21  | 104 | .3  | 35  | 12  | 462  | 3.59 | 2   | 8   | ND  | 7   | 9   | 1   | 2   | 2   | 54  | .24  | .020 | 13  | 49  | 1.26 | 158 | .15 | 2   | 1.81 | .03 | .86  | 1   |
| RDH-87-03-20 | 8   | 88  | 10  | 91  | .3  | 39  | 10  | 472  | 2.78 | 3   | 5   | ND  | 7   | 27  | 1   | 2   | 2   | 40  | .62  | .018 | 12  | 45  | .90  | 114 | .08 | 4   | 1.11 | .02 | .50  | 7   |
| RDH-87-03-21 | 4   | 93  | 4   | 86  | .1  | 37  | 11  | 529  | 3.26 | 2   | 5   | ND  | 5   | 13  | 1   | 2   | 2   | 70  | .42  | .028 | 8   | 62  | 1.21 | 197 | .14 | 2   | 1.67 | .04 | .77  | 6   |
| RDH-87-03-22 | 2   | 94  | 12  | 83  | .2  | 48  | 16  | 710  | 3.88 | 3   | 5   | ND  | 6   | 92  | 1   | 2   | 2   | 95  | 2.46 | .079 | 13  | 162 | 2.20 | 222 | .19 | 2   | 2.37 | .04 | .75  | 2   |
| RDH-87-03-23 | 1   | 72  | 7   | 74  | .1  | 35  | 13  | 669  | 3.54 | 2   | 5   | ND  | 3   | 70  | 1   | 2   | 2   | 73  | 1.76 | .059 | 13  | 113 | 1.79 | 231 | .16 | 3   | 2.04 | .04 | .75  | 1   |
| RDH-87-03-24 | 2   | 94  | 10  | 73  | .1  | 31  | 11  | 534  | 3.04 | 4   | 5   | ND  | 3   | 19  | 1   | 2   | 2   | 68  | .55  | .030 | 8   | 62  | 1.25 | 292 | .14 | 2   | 1.79 | .02 | .79  | 4   |
| RDH-87-04-1  | 1   | 27  | 2   | 14  | .3  | 22  | 7   | 150  | 1.29 | 2   | 5   | ND  | 2   | 30  | 1   | 2   | 2   | 37  | 1.09 | .025 | 2   | 45  | .63  | 10  | .12 | 2   | 1.85 | .20 | .03  | 1   |
| RDH-87-04-2  | 1   | 54  | 20  | 28  | .1  | 36  | 10  | 204  | 1.60 | 2   | 5   | ND  | 1   | 25  | 1   | 2   | 2   | 41  | 1.00 | .025 | 2   | 60  | .71  | 13  | .14 | 2   | 1.57 | .16 | .04  | 1   |
| RDH-87-04-3  | 1   | 67  | 6   | 22  | .2  | 37  | 10  | 197  | 1.88 | 6   | 5   | ND  | 3   | 25  | 1   | 5   | 2   | 46  | 1.06 | .027 | 2   | 58  | .81  | 9   | .14 | 3   | 1.88 | .19 | .04  | 1   |
| RDH-87-04-4  | 1   | 62  | 5   | 23  | .3  | 42  | 12  | 193  | 1.93 | 2   | 6   | ND  | 3   | 20  | 1   | 2   | 2   | 43  | .89  | .027 | 2   | 54  | .82  | 8   | .12 | 4   | 1.62 | .18 | .07  | 2   |
| RDH-87-04-5  | 1   | 74  | 5   | 24  | .2  | 41  | 20  | 213  | 2.40 | 2   | 10  | ND  | 3   | 51  | 1   | 2   | 2   | 60  | 1.10 | .031 | 2   | 38  | .63  | 16  | .18 | 2   | 1.52 | .18 | .05  | 2   |
| STD C        | 18  | 57  | 40  | 132 | 7.6 | 68  | 30  | 1049 | 4.14 | 41  | 18  | 8   | 40  | 52  | 19  | 18  | 21  | 58  | .46  | .083 | 41  | 63  | .92  | 179 | .09 | 31  | 1.98 | .06 | .14  | 12  |

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| SAMPLE#      | MO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>% | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SB<br>PPM | BT<br>PPM | V<br>PPM | CA<br>% | P<br>% | LA<br>PPM | CR<br>PPM | HG<br>% | BA<br>PPM | TI<br>% | B<br>PPM | AL<br>% | NA<br>% | K<br>% | M<br>PPM |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-04-6  | 1         | 64        | 4         | 24        | .1        | 30        | 12        | 255       | 2.28    | 2         | 5        | ND        | 1         | 78        | 1         | 2         | 3         | 65       | 1.63    | .022   | 2         | 44        | .86     | 14        | .13     | 5        | 1.62    | .15     | .05    | 1        |
| RDH-87-04-7  | 1         | 68        | 5         | 23        | .1        | 27        | 10        | 199       | 1.77    | 2         | 9        | ND        | 2         | 55        | 1         | 2         | 3         | 46       | 1.54    | .019   | 2         | 41        | .66     | 5         | .11     | 4        | 1.56    | .19     | .04    | 1        |
| RDH-87-04-8  | 1         | 79        | 9         | 19        | .1        | 34        | 12        | 215       | 1.92    | 2         | 5        | ND        | 1         | 44        | 1         | 2         | 2         | 50       | 1.44    | .024   | 2         | 42        | .67     | 2         | .16     | 5        | 1.72    | .22     | .04    | 1        |
| RDH-87-04-9  | 1         | 60        | 10        | 21        | .3        | 36        | 12        | 191       | 1.66    | 6         | 5        | ND        | 1         | 36        | 1         | 2         | 2         | 41       | 2.22    | .038   | 2         | 41        | .56     | 2         | .20     | 4        | 2.24    | .30     | .05    | 1        |
| RDH-87-04-10 | 1         | 71        | 8         | 16        | .2        | 37        | 12        | 153       | 1.61    | 2         | 5        | ND        | 1         | 24        | 1         | 2         | 2         | 34       | 1.55    | .037   | 2         | 37        | .41     | 2         | .17     | 2        | 1.77    | .30     | .04    | 3        |
| RDH-87-04-11 | 1         | 77        | 7         | 17        | .1        | 35        | 13        | 157       | 1.74    | 2         | 9        | ND        | 1         | 25        | 1         | 2         | 2         | 36       | 1.47    | .034   | 2         | 36        | .43     | 2         | .17     | 2        | 1.82    | .34     | .03    | 2        |
| RDH-87-04-12 | 1         | 74        | 2         | 17        | .1        | 35        | 14        | 154       | 1.73    | 2         | 5        | ND        | 1         | 34        | 1         | 2         | 3         | 35       | 1.19    | .034   | 2         | 35        | .44     | 4         | .15     | 3        | 1.34    | .24     | .03    | 4        |
| RDH-87-04-13 | 1         | 71        | 11        | 17        | .1        | 35        | 12        | 159       | 1.68    | 2         | 5        | ND        | 1         | 41        | 1         | 2         | 2         | 35       | 1.67    | .025   | 2         | 46        | .42     | 7         | .16     | 2        | 1.93    | .29     | .03    | 1        |
| RDH-87-04-14 | 1         | 62        | 6         | 24        | .1        | 30        | 14        | 212       | 2.28    | 2         | 5        | ND        | 1         | 23        | 1         | 2         | 2         | 52       | 1.54    | .022   | 2         | 38        | .68     | 4         | .16     | 3        | 1.69    | .17     | .04    | 1        |
| RDH-87-04-15 | 1         | 76        | 2         | 26        | .1        | 38        | 20        | 214       | 2.71    | 3         | 5        | ND        | 1         | 36        | 1         | 2         | 2         | 53       | 1.24    | .030   | 2         | 47        | .62     | 9         | .19     | 2        | 1.37    | .15     | .04    | 2        |
| RDH-87-04-16 | 1         | 74        | 2         | 20        | .1        | 39        | 19        | 198       | 2.47    | 3         | 5        | ND        | 1         | 42        | 1         | 2         | 2         | 50       | 1.69    | .032   | 2         | 37        | .54     | 10        | .19     | 2        | 1.71    | .36     | .03    | 1        |
| RDH-87-04-17 | 1         | 66        | 25        | 22        | .2        | 29        | 11        | 210       | 1.97    | 2         | 9        | ND        | 1         | 48        | 1         | 2         | 2         | 52       | 2.48    | .031   | 2         | 42        | .66     | 11        | .17     | 3        | 1.96    | .28     | .05    | 1        |
| RDH-87-04-18 | 1         | 64        | 5         | 19        | .1        | 22        | 10        | 194       | 1.72    | 2         | 5        | ND        | 1         | 42        | 1         | 2         | 2         | 48       | 2.19    | .032   | 2         | 34        | .57     | 7         | .15     | 2        | 1.74    | .30     | .04    | 1        |
| RDH-87-04-19 | 1         | 46        | 7         | 30        | .1        | 20        | 9         | 231       | 2.02    | 2         | 5        | ND        | 1         | 34        | 1         | 2         | 2         | 42       | 1.77    | .043   | 2         | 39        | .72     | 93        | .21     | 5        | 1.82    | .27     | .11    | 1        |
| RDH-87-04-20 | 1         | 14        | 8         | 46        | .1        | 8         | 9         | 383       | 2.83    | 2         | 5        | ND        | 3         | 35        | 1         | 2         | 2         | 48       | 1.97    | .051   | 5         | 79        | 1.41    | 135       | .21     | 3        | 1.88    | .08     | .14    | 1        |
| RDH-87-04-21 | 1         | 13        | 6         | 42        | .1        | 7         | 8         | 276       | 2.32    | 2         | 5        | ND        | 1         | 42        | 1         | 2         | 2         | 38       | 1.44    | .057   | 4         | 77        | 1.14    | 66        | .19     | 2        | 1.53    | .07     | .07    | 1        |
| RDH-87-04-22 | 1         | 14        | 8         | 46        | .1        | 5         | 8         | 308       | 2.47    | 2         | 5        | ND        | 3         | 28        | 1         | 2         | 4         | 41       | 1.48    | .057   | 5         | 62        | 1.22    | 69        | .18     | 4        | 1.71    | .09     | .07    | 1        |
| RDH-87-04-23 | 1         | 14        | 4         | 61        | .1        | 7         | 10        | 458       | 3.12    | 2         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 53       | 1.95    | .062   | 7         | 61        | 1.62    | 139       | .19     | 2        | 2.37    | .09     | .14    | 1        |
| RDH-87-04-24 | 1         | 35        | 7         | 41        | .1        | 20        | 10        | 313       | 2.60    | 2         | 5        | ND        | 3         | 32        | 1         | 2         | 2         | 47       | 1.63    | .051   | 4         | 50        | 1.03    | 64        | .20     | 2        | 1.84    | .15     | .08    | 1        |
| RDH-87-04-25 | 1         | 12        | 11        | 36        | .1        | 121       | 14        | 278       | 2.23    | 7         | 5        | ND        | 1         | 17        | 1         | 3         | 5         | 36       | 1.61    | .031   | 5         | 256       | 2.18    | 21        | .11     | 2        | 2.01    | .04     | .05    | 1        |
| RDH-87-04-26 | 1         | 16        | 5         | 29        | .1        | 98        | 11        | 230       | 1.97    | 8         | 5        | ND        | 2         | 17        | 1         | 2         | 2         | 33       | 1.17    | .031   | 5         | 215       | 1.85    | 27        | .13     | 2        | 1.75    | .05     | .05    | 1        |
| RDH-87-04-27 | 1         | 15        | 5         | 30        | .1        | 93        | 11        | 236       | 2.05    | 8         | 6        | ND        | 4         | 36        | 1         | 2         | 5         | 33       | 1.22    | .035   | 5         | 226       | 1.82    | 44        | .13     | 2        | 1.77    | .06     | .07    | 1        |
| RDH-87-06-1  | 1         | 21        | 53        | 45        | .1        | 1198      | 54        | 908       | 3.75    | 19        | 5        | ND        | 2         | 27        | 1         | 2         | 2         | 35       | 1.42    | .015   | 5         | 970       | 10.87   | 48        | .03     | 20       | .77     | .01     | .02    | 1        |
| RDH-87-06-2  | 1         | 17        | 6         | 43        | .1        | 1210      | 52        | 855       | 3.07    | 12        | 5        | ND        | 1         | 12        | 1         | 2         | 2         | 18       | .59     | .002   | 2         | 667       | 12.30   | 15        | .01     | 26       | .35     | .01     | .01    | 1        |
| RDH-87-06-3  | 1         | 17        | 8         | 27        | .1        | 1279      | 55        | 689       | 3.25    | 6         | 7        | ND        | 2         | 17        | 1         | 2         | 2         | 24       | .77     | .002   | 2         | 910       | 13.51   | 7         | .01     | 32       | .43     | .01     | .01    | 1        |
| RDH-87-06-4  | 1         | 17        | 7         | 25        | .1        | 1284      | 57        | 409       | 3.47    | 6         | 5        | ND        | 2         | 25        | 1         | 2         | 2         | 30       | 1.08    | .001   | 2         | 969       | 13.62   | 7         | .01     | 29       | .58     | .01     | .01    | 1        |
| RDH-87-06-5  | 1         | 13        | 14        | 27        | .1        | 1142      | 53        | 595       | 3.97    | 5         | 5        | ND        | 2         | 25        | 1         | 2         | 2         | 42       | 1.45    | .004   | 2         | 860       | 13.41   | 9         | .01     | 34       | 1.60    | .01     | .01    | 1        |
| RDH-87-06-6  | 1         | 13        | 8         | 26        | .4        | 1219      | 56        | 523       | 3.94    | 2         | 5        | ND        | 3         | 17        | 1         | 2         | 2         | 53       | .99     | .008   | 2         | 448       | 13.55   | 5         | .02     | 28       | 1.31    | .01     | .01    | 1        |
| RDH-87-06-7  | 1         | 15        | 10        | 24        | .2        | 1133      | 51        | 517       | 3.57    | 2         | 8        | ND        | 3         | 21        | 1         | 2         | 2         | 44       | 1.07    | .006   | 2         | 578       | 12.66   | 2         | .01     | 25       | 1.04    | .01     | .01    | 1        |
| RDH-87-06-8  | 1         | 15        | 9         | 23        | .1        | 1206      | 53        | 631       | 3.32    | 4         | 5        | ND        | 1         | 27        | 1         | 2         | 2         | 28       | 1.06    | .003   | 2         | 654       | 11.84   | 10        | .01     | 28       | .55     | .01     | .01    | 1        |
| RDH-87-06-9  | 1         | 15        | 11        | 47        | .1        | 1251      | 52        | 615       | 3.30    | 2         | 5        | ND        | 2         | 41        | 1         | 2         | 2         | 19       | 1.40    | .002   | 2         | 733       | 11.84   | 10        | .01     | 29       | .31     | .01     | .01    | 1        |
| RDH-87-06-10 | 1         | 26        | 10        | 38        | .1        | 1003      | 55        | 617       | 4.18    | 2         | 5        | ND        | 4         | 62        | 1         | 2         | 2         | 52       | .86     | .059   | 14        | 684       | 12.23   | 94        | .05     | 33       | 1.74    | .02     | .06    | 1        |
| RDH-87-06-11 | 1         | 17        | 3         | 23        | .1        | 1148      | 53        | 704       | 3.19    | 2         | 5        | ND        | 2         | 75        | 1         | 2         | 2         | 25       | 1.55    | .017   | 4         | 651       | 11.57   | 37        | .02     | 29       | .69     | .01     | .02    | 1        |
| RDH-87-06-12 | 1         | 8         | 4         | 23        | .1        | 1254      | 52        | 602       | 2.91    | 2         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 17       | 1.38    | .002   | 2         | 635       | 11.85   | 7         | .01     | 31       | .44     | .01     | .01    | 1        |
| RDH-87-06-13 | 1         | 4         | 4         | 26        | .1        | 1103      | 46        | 472       | 3.22    | 2         | 8        | ND        | 3         | 9         | 1         | 2         | 2         | 25       | .98     | .001   | 2         | 776       | 13.51   | 5         | .01     | 39       | 1.04    | .01     | .01    | 1        |
| RDH-87-06-14 | 1         | 4         | 8         | 26        | .2        | 1031      | 44        | 433       | 3.22    | 2         | 5        | ND        | 3         | 9         | 1         | 3         | 2         | 24       | .91     | .001   | 2         | 879       | 12.47   | 5         | .01     | 29       | .59     | .01     | .01    | 1        |
| STD C        | 18        | 56        | 37        | 132       | 7.3       | 68        | 28        | 1091      | 4.11    | 43        | 20       | 7         | 38        | 52        | 18        | 17        | 23        | 58       | .46     | .084   | 40        | 61        | .92     | 182       | .09     | 30       | 1.97    | .06     | .14    | 13       |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#          | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | MG    | BA  | TI  | B   | AL   | NA  | K   | M   |
|------------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|                  | PPH | PPH | PPH | PPH | PPH | PPH  | PPH | PPH  | %    | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %    | %    | PPH | PPH  | %     | PPH | %   | PPH | %    | %   | %   | PPH |
| RDH-87-06-15     | 1   | 6   | 6   | 22  | .1  | 1217 | 48  | 385  | 3.21 | 2   | 5   | ND  | 1   | 30  | 1   | 2   | 2   | 20  | 1.15 | .001 | 2   | 741  | 13.41 | 2   | .01 | 31  | .36  | .01 | .01 | 1   |
| RDH-87-06-16     | 1   | 8   | 10  | 23  | .1  | 1269 | 49  | 445  | 3.41 | 4   | 5   | ND  | 2   | 19  | 1   | 3   | 2   | 24  | .94  | .001 | 2   | 786  | 13.56 | 17  | .01 | 34  | .43  | .01 | .01 | 1   |
| RDH-87-06-17     | 2   | 6   | 7   | 34  | .2  | 1507 | 67  | 752  | 3.72 | 5   | 5   | ND  | 3   | 47  | 1   | 2   | 2   | 13  | 1.42 | .001 | 2   | 539  | 16.49 | 24  | .01 | 80  | .21  | .01 | .01 | 1   |
| RDH-87-06-18     | 1   | 38  | 11  | 50  | .1  | 961  | 49  | 830  | 4.18 | 2   | 5   | ND  | 4   | 121 | 1   | 2   | 2   | 56  | 1.97 | .114 | 24  | 366  | 12.67 | 324 | .15 | 76  | 1.48 | .08 | .13 | 1   |
| RDH-87-06-19     | 1   | 60  | 11  | 63  | .3  | 483  | 34  | 650  | 4.24 | 2   | 12  | ND  | 10  | 153 | 1   | 2   | 2   | 80  | 1.63 | .189 | 39  | 392  | 9.46  | 282 | .23 | 18  | 2.86 | .13 | .18 | 1   |
| RDH-87-06-20-(1) | 1   | 43  | 12  | 67  | .1  | 547  | 40  | 585  | 4.72 | 2   | 5   | ND  | 7   | 121 | 1   | 2   | 2   | 97  | 1.21 | .159 | 34  | 431  | 12.65 | 266 | .19 | 23  | 3.22 | .09 | .22 | 1   |
| RDH-87-06-20-(2) | 1   | 42  | 11  | 64  | .1  | 484  | 38  | 541  | 4.65 | 3   | 8   | ND  | 10  | 121 | 1   | 2   | 2   | 98  | 1.12 | .140 | 35  | 416  | 12.46 | 258 | .18 | 20  | 3.27 | .08 | .21 | 2   |
| RDH-87-06-21     | 1   | 12  | 5   | 23  | .3  | 1149 | 51  | 434  | 3.77 | 4   | 5   | ND  | 3   | 24  | 1   | 4   | 2   | 42  | .64  | .016 | 4   | 1052 | 14.23 | 22  | .03 | 48  | .86  | .01 | .02 | 1   |
| RDH-87-06-22     | 1   | 50  | 12  | 56  | .3  | 616  | 37  | 506  | 4.33 | 2   | 12  | ND  | 10  | 101 | 1   | 2   | 2   | 78  | .92  | .131 | 28  | 704  | 12.30 | 211 | .13 | 24  | 2.70 | .07 | .12 | 1   |
| RDH-87-06-23     | 1   | 55  | 10  | 60  | .1  | 441  | 34  | 474  | 4.38 | 2   | 5   | ND  | 8   | 121 | 1   | 3   | 2   | 92  | 1.05 | .156 | 34  | 516  | 11.70 | 194 | .15 | 15  | 3.08 | .08 | .15 | 1   |
| RDH-87-06-24     | 2   | 45  | 10  | 55  | .3  | 1079 | 59  | 775  | 4.21 | 4   | 5   | ND  | 6   | 113 | 1   | 2   | 2   | 61  | 2.27 | .108 | 24  | 309  | 13.79 | 134 | .12 | 94  | 1.85 | .06 | .11 | 1   |
| RDH-87-08-1      | 1   | 25  | 7   | 39  | .4  | 536  | 38  | 1389 | 4.54 | 3   | 10  | ND  | 2   | 203 | 1   | 2   | 2   | 121 | 6.37 | .021 | 3   | 497  | 7.39  | 52  | .03 | 6   | 2.20 | .01 | .03 | 1   |
| RDH-87-08-2      | 1   | 35  | 9   | 73  | .2  | 87   | 18  | 593  | 4.43 | 2   | 5   | ND  | 3   | 54  | 1   | 2   | 2   | 97  | 1.66 | .094 | 12  | 105  | 3.60  | 23  | .02 | 2   | 2.49 | .03 | .05 | 1   |
| RDH-87-08-3      | 1   | 45  | 10  | 70  | .4  | 161  | 22  | 566  | 4.76 | 4   | 14  | ND  | 10  | 161 | 1   | 2   | 3   | 103 | 2.64 | .210 | 38  | 296  | 6.13  | 38  | .01 | 2   | 3.28 | .02 | .02 | 1   |
| RDH-87-08-4      | 1   | 53  | 8   | 61  | .1  | 104  | 22  | 824  | 4.49 | 2   | 5   | ND  | 11  | 502 | 1   | 2   | 5   | 106 | 6.63 | .257 | 48  | 318  | 5.47  | 64  | .02 | 2   | 2.91 | .02 | .02 | 1   |
| RDH-87-08-5      | 1   | 68  | 15  | 66  | .2  | 107  | 26  | 712  | 4.85 | 2   | 16  | ND  | 14  | 384 | 1   | 2   | 2   | 125 | 5.16 | .316 | 59  | 354  | 6.18  | 119 | .03 | 2   | 3.13 | .02 | .04 | 2   |
| RDH-87-08-6      | 1   | 61  | 16  | 67  | .4  | 101  | 24  | 625  | 4.81 | 2   | 11  | ND  | 15  | 289 | 1   | 2   | 2   | 122 | 4.03 | .319 | 65  | 371  | 6.82  | 129 | .04 | 2   | 3.19 | .02 | .04 | 1   |
| RDH-87-08-7      | 1   | 33  | 8   | 32  | .3  | 1108 | 51  | 736  | 3.31 | 130 | 5   | ND  | 4   | 165 | 1   | 3   | 4   | 37  | 2.81 | .056 | 11  | 529  | 8.76  | 25  | .01 | 6   | .99  | .01 | .02 | 1   |
| RDH-87-08-8      | 1   | 49  | 15  | 32  | .2  | 1454 | 60  | 680  | 2.77 | 142 | 5   | ND  | 1   | 152 | 1   | 3   | 2   | 15  | 2.74 | .007 | 2   | 492  | 8.31  | 13  | .01 | 5   | .39  | .01 | .01 | 1   |
| RDH-87-08-9      | 1   | 67  | 3   | 14  | .1  | 1232 | 50  | 353  | 2.37 | 35  | 5   | ND  | 2   | 57  | 1   | 2   | 7   | 10  | 1.04 | .007 | 2   | 297  | 4.87  | 5   | .01 | 2   | .27  | .01 | .01 | 1   |
| RDH-87-08-10     | 1   | 44  | 5   | 22  | .1  | 1275 | 54  | 561  | 2.88 | 69  | 5   | ND  | 1   | 75  | 1   | 2   | 2   | 18  | 1.42 | .021 | 4   | 309  | 7.80  | 12  | .01 | 4   | .50  | .01 | .01 | 1   |
| RDH-87-08-11     | 1   | 55  | 4   | 22  | .1  | 1466 | 56  | 546  | 2.53 | 246 | 5   | ND  | 2   | 50  | 1   | 2   | 4   | 5   | .85  | .005 | 2   | 152  | 7.73  | 2   | .01 | 4   | .15  | .01 | .01 | 1   |
| RDH-87-08-12     | 1   | 55  | 6   | 20  | .1  | 1422 | 60  | 683  | 2.74 | 105 | 5   | ND  | 2   | 44  | 1   | 2   | 2   | 7   | .74  | .004 | 2   | 279  | 9.00  | 4   | .01 | 2   | .14  | .01 | .01 | 1   |
| RDH-87-08-13     | 1   | 33  | 5   | 15  | .1  | 1327 | 57  | 530  | 2.65 | 64  | 5   | ND  | 1   | 74  | 1   | 2   | 2   | 13  | 1.08 | .003 | 2   | 372  | 8.86  | 5   | .01 | 10  | .24  | .01 | .01 | 1   |
| RDH-87-08-14     | 1   | 22  | 4   | 43  | .1  | 1304 | 55  | 444  | 3.40 | 82  | 5   | ND  | 1   | 57  | 1   | 2   | 2   | 48  | .99  | .012 | 3   | 424  | 11.38 | 17  | .01 | 13  | .83  | .01 | .01 | 1   |
| RDH-87-08-15     | 1   | 25  | 6   | 22  | .3  | 1021 | 47  | 350  | 2.83 | 39  | 5   | ND  | 2   | 39  | 1   | 3   | 2   | 30  | .73  | .005 | 2   | 422  | 8.40  | 15  | .01 | 10  | .62  | .01 | .01 | 1   |
| RDH-87-08-16     | 1   | 24  | 2   | 31  | .4  | 1231 | 52  | 600  | 3.28 | 49  | 5   | ND  | 2   | 47  | 1   | 2   | 2   | 21  | .90  | .002 | 2   | 553  | 10.78 | 21  | .01 | 14  | .36  | .01 | .01 | 2   |
| RDH-87-08-17     | 1   | 21  | 2   | 26  | .1  | 1174 | 51  | 541  | 3.18 | 39  | 5   | ND  | 1   | 36  | 1   | 2   | 2   | 19  | .68  | .003 | 2   | 621  | 10.70 | 14  | .01 | 15  | .36  | .01 | .01 | 1   |
| RDH-87-08-18     | 1   | 21  | 2   | 23  | .2  | 1083 | 45  | 454  | 2.58 | 18  | 5   | ND  | 2   | 56  | 1   | 2   | 2   | 14  | 1.49 | .005 | 2   | 441  | 9.26  | 9   | .01 | 10  | .27  | .01 | .01 | 1   |
| RDH-87-08-19     | 1   | 31  | 7   | 27  | .4  | 993  | 46  | 633  | 3.19 | 9   | 5   | ND  | 3   | 65  | 1   | 3   | 2   | 20  | 2.36 | .018 | 4   | 411  | 11.06 | 16  | .01 | 19  | .65  | .01 | .01 | 1   |
| RDH-87-08-20     | 1   | 31  | 2   | 30  | .1  | 897  | 45  | 514  | 3.54 | 10  | 5   | ND  | 2   | 58  | 1   | 2   | 2   | 38  | 1.37 | .043 | 8   | 418  | 12.57 | 13  | .01 | 25  | 1.20 | .01 | .01 | 1   |
| RDH-87-08-21     | 1   | 12  | 3   | 31  | .1  | 684  | 37  | 644  | 3.95 | 6   | 5   | ND  | 1   | 44  | 1   | 2   | 2   | 70  | 1.77 | .023 | 3   | 395  | 10.91 | 12  | .05 | 19  | 2.04 | .04 | .01 | 2   |
| RDH-87-08-22     | 1   | 17  | 3   | 27  | .1  | 781  | 40  | 659  | 3.28 | 4   | 5   | ND  | 2   | 57  | 1   | 2   | 2   | 32  | 1.87 | .030 | 6   | 437  | 12.01 | 11  | .01 | 21  | 1.53 | .01 | .01 | 1   |
| RDH-87-08-23     | 1   | 15  | 8   | 25  | .1  | 1068 | 49  | 638  | 3.51 | 2   | 5   | ND  | 1   | 35  | 1   | 2   | 2   | 23  | 1.30 | .008 | 2   | 545  | 15.66 | 10  | .01 | 29  | 1.18 | .01 | .01 | 1   |
| RDH-87-08-24     | 1   | 15  | 8   | 22  | .1  | 1131 | 50  | 513  | 3.40 | 3   | 5   | ND  | 1   | 28  | 1   | 2   | 2   | 24  | .83  | .002 | 2   | 527  | 16.65 | 3   | .01 | 41  | 1.33 | .01 | .01 | 1   |
| RDH-87-08-25     | 1   | 32  | 4   | 30  | .4  | 1087 | 49  | 571  | 3.70 | 8   | 5   | ND  | 4   | 69  | 1   | 4   | 2   | 30  | 1.19 | .049 | 10  | 572  | 14.62 | 13  | .01 | 41  | .90  | .01 | .01 | 1   |
| STD C            | 18  | 57  | 38  | 132 | 7.6 | 67   | 30  | 1032 | 4.08 | 39  | 17  | 8   | 39  | 52  | 18  | 18  | 23  | 58  | .47  | .082 | 40  | 61   | .90   | 180 | .09 | 33  | 1.86 | .06 | .13 | 13  |

*Handwritten notes:* 1/2 5 17

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZK  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | HG    | BA  | TI  | B  | AL   | NA  | K   | M   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %    | %    | PPM | PPM | %     | PPM | %   | %  | %    | %   | %   | PPM |
| RDH-87-08-26 | 1   | 17  | 7   | 23  | .1  | 1291 | 61  | 535  | 3.42 | 6   | 5   | ND  | 3   | 43  | 1   | 2   | 2   | 32  | .75  | .024 | 3   | 572 | 14.09 | 8   | .01 | 42 | .98  | .01 | .01 | 1   |
| RDH-87-09-1  | 1   | 25  | 3   | 30  | .1  | 1423 | 60  | 652  | 3.13 | 7   | 5   | ND  | 1   | 3   | 1   | 2   | 2   | 10  | .04  | .002 | 2   | 197 | 12.81 | 6   | .01 | 27 | .12  | .01 | .01 | 1   |
| RDH-87-09-2  | 1   | 8   | 10  | 35  | .1  | 1357 | 58  | 757  | 3.40 | 2   | 5   | ND  | 1   | 5   | 1   | 3   | 2   | 15  | .08  | .002 | 2   | 412 | 14.18 | 19  | .01 | 35 | .37  | .01 | .01 | 1   |
| RDH-87-09-3  | 1   | 40  | 7   | 45  | .1  | 1007 | 49  | 719  | 3.89 | 2   | 5   | ND  | 4   | 100 | 1   | 3   | 2   | 44  | 1.14 | .070 | 10  | 458 | 13.05 | 47  | .04 | 24 | 2.09 | .01 | .01 | 1   |
| RDH-87-09-4  | 1   | 35  | 13  | 45  | .1  | 650  | 37  | 683  | 4.05 | 2   | 5   | ND  | 6   | 228 | 1   | 3   | 2   | 55  | 2.34 | .095 | 17  | 317 | 11.01 | 91  | .06 | 12 | 2.87 | .01 | .02 | 1   |
| RDH-87-09-5  | 1   | 27  | 6   | 29  | .3  | 993  | 49  | 470  | 3.57 | 4   | 5   | ND  | 5   | 95  | 1   | 2   | 2   | 32  | 1.00 | .040 | 8   | 412 | 10.37 | 39  | .03 | 21 | 1.31 | .01 | .01 | 1   |
| RDH-87-09-6  | 1   | 21  | 4   | 21  | .6  | 1330 | 61  | 524  | 3.38 | 6   | 5   | ND  | 4   | 28  | 1   | 5   | 3   | 22  | .50  | .008 | 2   | 465 | 10.77 | 21  | .01 | 34 | .60  | .01 | .01 | 1   |
| RDH-87-09-7  | 1   | 15  | 3   | 23  | .1  | 1495 | 68  | 535  | 3.89 | 4   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 20  | .41  | .007 | 2   | 446 | 12.07 | 15  | .01 | 35 | .50  | .01 | .01 | 1   |
| RDH-87-09-8  | 1   | 21  | 2   | 25  | .1  | 1686 | 73  | 567  | 4.15 | 3   | 5   | ND  | 1   | 8   | 1   | 2   | 3   | 9   | .18  | .008 | 2   | 285 | 14.95 | 4   | .01 | 36 | .31  | .01 | .01 | 1   |
| RDH-87-09-9  | 1   | 12  | 6   | 22  | .1  | 1766 | 75  | 646  | 3.82 | 14  | 5   | ND  | 1   | 22  | 1   | 2   | 2   | 7   | .42  | .006 | 2   | 220 | 15.93 | 2   | .01 | 42 | .22  | .01 | .01 | 1   |
| RDH-87-09-10 | 1   | 15  | 5   | 35  | .1  | 1583 | 69  | 567  | 3.43 | 9   | 5   | ND  | 1   | 29  | 1   | 4   | 2   | 8   | .86  | .005 | 2   | 258 | 14.19 | 4   | .01 | 40 | .22  | .01 | .01 | 1   |
| RDH-87-09-11 | 1   | 22  | 2   | 20  | .2  | 1233 | 58  | 538  | 3.02 | 2   | 5   | ND  | 2   | 23  | 1   | 2   | 2   | 15  | .94  | .001 | 2   | 625 | 10.60 | 14  | .01 | 22 | .30  | .01 | .01 | 1   |
| RDH-87-09-12 | 1   | 18  | 2   | 28  | .2  | 1307 | 61  | 564  | 3.48 | 7   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 33  | .94  | .003 | 2   | 685 | 13.05 | 7   | .01 | 35 | .83  | .01 | .01 | 1   |
| RDH-87-09-13 | 1   | 16  | 9   | 25  | .1  | 1263 | 57  | 566  | 3.45 | 4   | 5   | ND  | 2   | 12  | 1   | 2   | 5   | 30  | 1.08 | .004 | 2   | 614 | 13.00 | 1   | .01 | 32 | .81  | .01 | .01 | 1   |
| RDH-87-09-14 | 1   | 15  | 5   | 47  | .1  | 386  | 29  | 701  | 4.08 | 5   | 8   | ND  | 2   | 31  | 1   | 3   | 2   | 102 | 4.09 | .031 | 2   | 250 | 6.19  | 11  | .10 | 11 | 2.62 | .12 | .03 | 1   |
| RDH-87-09-15 | 1   | 50  | 8   | 29  | .3  | 1074 | 49  | 462  | 3.35 | 3   | 5   | ND  | 2   | 12  | 1   | 3   | 2   | 33  | 1.47 | .007 | 2   | 477 | 8.77  | 2   | .02 | 24 | .85  | .02 | .01 | 1   |
| RDH-87-09-16 | 1   | 52  | 32  | 34  | .4  | 950  | 45  | 414  | 2.99 | 7   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 38  | 2.13 | .006 | 2   | 469 | 6.83  | 4   | .01 | 17 | 1.15 | .01 | .01 | 1   |
| RDH-87-09-17 | 1   | 69  | 6   | 26  | .2  | 1205 | 55  | 442  | 3.23 | 3   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 45  | 2.47 | .004 | 2   | 570 | 7.60  | 2   | .01 | 18 | 1.33 | .01 | .01 | 1   |
| RDH-87-09-18 | 1   | 46  | 9   | 45  | .1  | 192  | 21  | 545  | 3.96 | 2   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 110 | 2.08 | .035 | 2   | 141 | 3.70  | 7   | .22 | 6  | 2.38 | .19 | .04 | 1   |
| RDH-87-09-19 | 1   | 84  | 5   | 42  | .1  | 194  | 21  | 454  | 3.53 | 2   | 5   | ND  | 1   | 13  | 1   | 2   | 2   | 103 | 1.73 | .040 | 2   | 134 | 2.67  | 11  | .15 | 8  | 1.49 | .20 | .04 | 1   |
| RDH-87-09-20 | 1   | 76  | 8   | 42  | .4  | 70   | 19  | 433  | 3.37 | 3   | 5   | ND  | 2   | 24  | 1   | 2   | 2   | 102 | 1.74 | .040 | 2   | 47  | 1.47  | 14  | .18 | 5  | 1.36 | .21 | .05 | 1   |
| RDH-87-09-21 | 1   | 56  | 10  | 42  | .5  | 53   | 18  | 474  | 3.44 | 2   | 5   | ND  | 2   | 13  | 1   | 2   | 2   | 110 | 1.96 | .039 | 2   | 43  | 1.40  | 13  | .22 | 4  | 1.51 | .24 | .05 | 1   |
| RDH-87-09-22 | 1   | 57  | 8   | 34  | .1  | 40   | 16  | 424  | 3.07 | 2   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 94  | 1.66 | .041 | 2   | 34  | 1.22  | 11  | .20 | 5  | 1.31 | .20 | .03 | 1   |
| RDH-87-09-23 | 1   | 54  | 5   | 37  | .1  | 60   | 15  | 429  | 2.95 | 2   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 91  | 1.84 | .034 | 2   | 63  | 1.42  | 11  | .18 | 3  | 1.54 | .24 | .03 | 1   |
| RDH-87-09-24 | 1   | 106 | 2   | 33  | .1  | 55   | 18  | 376  | 2.80 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 78  | 1.55 | .037 | 2   | 57  | 1.15  | 7   | .16 | 4  | 1.26 | .19 | .03 | 1   |
| RDH-87-09-25 | 1   | 53  | 4   | 30  | .2  | 27   | 14  | 377  | 2.55 | 2   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 75  | 1.72 | .030 | 2   | 54  | 1.01  | 5   | .18 | 5  | 1.38 | .25 | .03 | 1   |
| RDH-87-10-1  | 1   | 15  | 4   | 24  | .1  | 1377 | 62  | 503  | 3.74 | 15  | 5   | ND  | 1   | 2   | 1   | 3   | 2   | 26  | .04  | .001 | 2   | 928 | 14.12 | 2   | .01 | 40 | .66  | .01 | .01 | 1   |
| RDH-87-10-2  | 1   | 10  | 11  | 25  | .2  | 1391 | 65  | 503  | 3.74 | 75  | 5   | ND  | 1   | 2   | 1   | 3   | 2   | 23  | .03  | .001 | 2   | 881 | 14.25 | 2   | .01 | 41 | .51  | .01 | .01 | 1   |
| RDH-87-10-3  | 1   | 64  | 2   | 56  | .1  | 52   | 17  | 606  | 4.14 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 127 | 2.34 | .044 | 2   | 49  | 1.99  | 12  | .25 | 3  | 1.85 | .34 | .05 | 1   |
| RDH-87-10-4  | 1   | 35  | 4   | 47  | .1  | 535  | 37  | 593  | 4.86 | 14  | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 110 | 1.52 | .030 | 2   | 448 | 10.15 | 9   | .16 | 15 | 2.21 | .15 | .02 | 1   |
| RDH-87-10-5  | 1   | 62  | 6   | 48  | .4  | 118  | 20  | 655  | 4.34 | 7   | 5   | ND  | 2   | 11  | 1   | 3   | 3   | 137 | 2.43 | .043 | 2   | 113 | 2.62  | 14  | .31 | 3  | 1.97 | .36 | .14 | 1   |
| RDH-87-10-6  | 1   | 24  | 5   | 33  | .1  | 857  | 42  | 547  | 3.59 | 3   | 5   | ND  | 1   | 6   | 1   | 2   | 2   | 53  | .78  | .022 | 2   | 681 | 11.02 | 6   | .06 | 26 | .96  | .09 | .01 | 1   |
| RDH-87-10-7  | 1   | 54  | 7   | 58  | .5  | 47   | 17  | 687  | 4.44 | 20  | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 126 | 2.90 | .045 | 2   | 43  | 1.98  | 13  | .27 | 3  | 2.01 | .36 | .07 | 1   |
| RDH-87-10-8  | 1   | 53  | 6   | 56  | .1  | 33   | 15  | 643  | 4.22 | 6   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 131 | 2.53 | .047 | 2   | 35  | 1.73  | 16  | .26 | 4  | 1.87 | .36 | .09 | 1   |
| RDH-87-10-9  | 1   | 69  | 2   | 47  | .1  | 85   | 17  | 613  | 4.12 | 2   | 5   | ND  | 1   | 10  | 1   | 2   | 2   | 128 | 2.34 | .044 | 2   | 89  | 2.32  | 14  | .24 | 3  | 1.88 | .34 | .11 | 1   |
| RDH-87-10-10 | 1   | 21  | 8   | 42  | .2  | 515  | 37  | 710  | 4.72 | 12  | 5   | ND  | 2   | 14  | 1   | 2   | 2   | 113 | 1.80 | .034 | 2   | 467 | 8.50  | 2   | .12 | 13 | 2.22 | .14 | .04 | 1   |
| STD C        | 19  | 61  | 43  | 137 | 7.6 | 70   | 31  | 1052 | 4.31 | 42  | 16  | 7   | 40  | 34  | 20  | 17  | 22  | 60  | .52  | .084 | 42  | 61  | .95   | 192 | .08 | 35 | 2.06 | .06 | .14 | 12  |

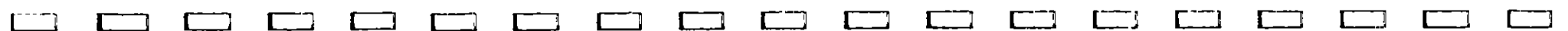
1/5 5796

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | MG    | BA  | TI  | B  | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %   | %    | PPM  | PPM | %    | PPM   | %   | PPM | %  | %    | %   | %   | PPM |
| RDH-87-10-11 | 1   | 19  | 2   | 29  | .1  | 1118 | 51  | 609  | 3.31 | 2   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 40  | 1.21 | .007 | 2   | 834  | 13.48 | 1   | .03 | 27 | .89  | .03 | .01 | 1   |
| RDH-87-10-12 | 1   | 15  | 2   | 29  | .1  | 1133 | 52  | 611  | 3.32 | 4   | 5   | ND  | 1   | 16  | 1   | 2   | 2   | 36  | 1.67 | .004 | 2   | 911  | 14.08 | 1   | .02 | 35 | .89  | .02 | .01 | 2   |
| RDH-87-10-13 | 1   | 9   | 2   | 34  | .1  | 1123 | 53  | 632  | 3.91 | 2   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 55  | .87  | .010 | 2   | 832  | 14.25 | 2   | .06 | 35 | .93  | .06 | .01 | 1   |
| RDH-87-10-14 | 1   | 44  | 2   | 52  | .4  | 52   | 17  | 645  | 4.75 | 2   | 5   | ND  | 1   | 24  | 1   | 2   | 2   | 157 | 2.30 | .065 | 5   | 49   | 2.20  | 31  | .28 | 8  | 2.03 | .37 | .08 | 1   |
| RDH-87-10-15 | 1   | 76  | 2   | 42  | .1  | 42   | 15  | 564  | 3.89 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 133 | 2.24 | .044 | 2   | 51   | 1.83  | 9   | .30 | 24 | 1.71 | .34 | .06 | 2   |
| RDH-87-10-17 | 1   | 48  | 5   | 41  | .1  | 48   | 13  | 509  | 3.54 | 8   | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 120 | 2.11 | .041 | 2   | 55   | 1.58  | 9   | .32 | 2  | 1.59 | .35 | .08 | 1   |
| RDH-87-10-18 | 1   | 44  | 4   | 48  | .4  | 47   | 14  | 544  | 3.96 | 2   | 5   | ND  | 1   | 11  | 1   | 2   | 4   | 139 | 2.16 | .049 | 2   | 43   | 1.49  | 9   | .30 | 14 | 1.57 | .35 | .08 | 3   |
| RDH-87-10-19 | 1   | 56  | 206 | 46  | 9.9 | 59   | 13  | 517  | 3.79 | 8   | 5   | ND  | 1   | 7   | 1   | 7   | 2   | 134 | 1.68 | .045 | 2   | 52   | 1.74  | 16  | .22 | 9  | 1.51 | .28 | .15 | 3   |
| RDH-87-10-20 | 1   | 49  | 20  | 42  | 1.4 | 61   | 14  | 513  | 3.62 | 2   | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 127 | 1.85 | .045 | 2   | 58   | 1.74  | 12  | .24 | 8  | 1.48 | .30 | .11 | 1   |
| RDH-87-10-21 | 1   | 64  | 3   | 54  | .4  | 30   | 16  | 626  | 4.62 | 9   | 5   | ND  | 1   | 10  | 1   | 2   | 2   | 172 | 2.40 | .050 | 2   | 31   | 1.67  | 13  | .29 | 9  | 1.91 | .42 | .13 | 1   |
| RDH-87-11-1  | 2   | 22  | 24  | 118 | .3  | 786  | 40  | 451  | 3.15 | 4   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 39  | .92  | .012 | 2   | 490  | 8.83  | 30  | .07 | 24 | .87  | .05 | .02 | 1   |
| RDH-87-11-2  | 1   | 14  | 9   | 50  | .3  | 1118 | 52  | 673  | 3.55 | 5   | 5   | ND  | 1   | 32  | 1   | 2   | 2   | 32  | 1.02 | .007 | 2   | 883  | 12.27 | 23  | .03 | 20 | .78  | .01 | .01 | 1   |
| RDH-87-11-3  | 1   | 7   | 2   | 42  | .1  | 1237 | 57  | 612  | 3.44 | 5   | 5   | ND  | 2   | 17  | 1   | 2   | 2   | 26  | .47  | .003 | 2   | 901  | 13.54 | 13  | .01 | 36 | .49  | .01 | .01 | 1   |
| RDH-87-11-4  | 1   | 10  | 31  | 25  | .5  | 1241 | 57  | 624  | 3.45 | 4   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 27  | .59  | .001 | 2   | 1007 | 13.78 | 8   | .01 | 24 | .43  | .01 | .01 | 1   |
| RDH-87-11-5  | 1   | 8   | 14  | 44  | .2  | 1214 | 59  | 724  | 3.67 | 6   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 27  | .80  | .001 | 2   | 1006 | 14.34 | 6   | .01 | 23 | .45  | .01 | .01 | 2   |
| RDH-87-11-6  | 1   | 11  | 2   | 55  | .1  | 1237 | 58  | 682  | 3.53 | 8   | 5   | ND  | 1   | 17  | 1   | 2   | 2   | 24  | .76  | .001 | 2   | 875  | 13.85 | 5   | .01 | 29 | .43  | .01 | .01 | 1   |
| RDH-87-11-7  | 1   | 6   | 3   | 32  | .1  | 992  | 43  | 519  | 3.13 | 3   | 5   | ND  | 1   | 61  | 1   | 2   | 2   | 41  | 2.17 | .008 | 2   | 767  | 10.72 | 12  | .08 | 21 | .97  | .01 | .01 | 1   |
| RDH-87-11-8  | 1   | 26  | 2   | 31  | .1  | 781  | 38  | 478  | 3.13 | 2   | 5   | ND  | 1   | 37  | 1   | 2   | 2   | 49  | 2.40 | .010 | 2   | 720  | 9.71  | 10  | .08 | 20 | 1.21 | .01 | .01 | 2   |
| RDH-87-11-9  | 1   | 4   | 2   | 28  | .2  | 1164 | 53  | 476  | 3.44 | 7   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 24  | .44  | .001 | 2   | 958  | 12.10 | 4   | .01 | 28 | .40  | .01 | .01 | 1   |
| RDH-87-11-10 | 1   | 9   | 2   | 24  | .4  | 1220 | 57  | 506  | 3.87 | 8   | 5   | ND  | 1   | 14  | 1   | 10  | 2   | 22  | .22  | .001 | 2   | 958  | 12.25 | 2   | .01 | 27 | .32  | .01 | .01 | 1   |
| RDH-87-11-11 | 1   | 10  | 2   | 24  | .2  | 1228 | 58  | 513  | 3.86 | 10  | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 22  | .18  | .001 | 2   | 973  | 12.24 | 2   | .01 | 33 | .31  | .01 | .01 | 1   |
| RDH-87-11-12 | 1   | 7   | 2   | 23  | .2  | 1146 | 53  | 425  | 3.40 | 6   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 23  | .31  | .001 | 2   | 909  | 11.42 | 2   | .01 | 35 | .35  | .01 | .01 | 2   |
| RDH-87-11-13 | 1   | 7   | 3   | 21  | .1  | 1117 | 51  | 429  | 3.29 | 4   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 23  | .30  | .001 | 2   | 929  | 11.91 | 2   | .01 | 33 | .38  | .01 | .01 | 1   |
| RDH-87-11-14 | 1   | 8   | 2   | 24  | .1  | 1154 | 52  | 404  | 3.20 | 4   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 21  | .44  | .001 | 2   | 885  | 12.79 | 5   | .01 | 27 | .49  | .01 | .01 | 1   |
| RDH-87-11-15 | 1   | 7   | 12  | 23  | .4  | 313  | 19  | 416  | 2.22 | 4   | 5   | ND  | 1   | 49  | 1   | 2   | 2   | 55  | 3.33 | .024 | 2   | 310  | 4.27  | 5   | .25 | 13 | 1.18 | .03 | .01 | 1   |
| RDH-87-11-16 | 1   | 8   | 7   | 23  | .1  | 967  | 45  | 420  | 3.00 | 2   | 5   | ND  | 1   | 49  | 1   | 2   | 2   | 31  | 1.43 | .005 | 2   | 813  | 10.27 | 5   | .04 | 30 | .77  | .01 | .01 | 1   |
| RDH-87-11-17 | 1   | 4   | 3   | 31  | .1  | 969  | 45  | 509  | 3.22 | 3   | 5   | ND  | 1   | 112 | 1   | 2   | 2   | 35  | 1.60 | .015 | 4   | 691  | 10.37 | 47  | .02 | 22 | .84  | .02 | .01 | 1   |
| RDH-87-11-18 | 1   | 18  | 14  | 45  | .1  | 70   | 15  | 446  | 4.09 | 3   | 5   | ND  | 4   | 39  | 1   | 2   | 2   | 96  | .44  | .075 | 19  | 78   | 4.10  | 119 | .03 | 4  | 2.47 | .05 | .07 | 1   |
| RDH-87-11-19 | 1   | 21  | 7   | 71  | .1  | 42   | 16  | 717  | 4.13 | 2   | 5   | ND  | 3   | 94  | 1   | 2   | 2   | 108 | 1.50 | .073 | 18  | 69   | 3.08  | 119 | .06 | 9  | 1.98 | .08 | .05 | 1   |
| RDH-87-11-20 | 1   | 18  | 9   | 72  | .1  | 56   | 17  | 822  | 4.26 | 2   | 5   | ND  | 5   | 87  | 1   | 2   | 3   | 109 | .98  | .075 | 17  | 73   | 3.14  | 126 | .10 | 12 | 1.89 | .09 | .07 | 2   |
| RDH-87-11-21 | 1   | 14  | 17  | 54  | .2  | 527  | 31  | 486  | 4.02 | 3   | 5   | ND  | 1   | 63  | 1   | 2   | 2   | 76  | .78  | .049 | 10  | 480  | 7.25  | 81  | .07 | 9  | 1.39 | .07 | .05 | 1   |
| RDH-87-11-22 | 1   | 20  | 11  | 76  | .1  | 30   | 14  | 734  | 4.03 | 2   | 5   | ND  | 4   | 136 | 1   | 2   | 3   | 109 | .85  | .077 | 17  | 45   | 2.60  | 108 | .13 | 4  | 1.88 | .18 | .09 | 1   |
| RDH-87-11-23 | 1   | 22  | 13  | 72  | .1  | 23   | 14  | 713  | 4.14 | 2   | 5   | ND  | 4   | 110 | 1   | 2   | 2   | 110 | .75  | .079 | 17  | 46   | 2.76  | 136 | .15 | 2  | 1.86 | .14 | .10 | 1   |
| RDH-87-11-24 | 1   | 18  | 9   | 70  | .1  | 59   | 15  | 758  | 4.12 | 2   | 5   | ND  | 4   | 66  | 1   | 2   | 4   | 105 | .98  | .075 | 16  | 77   | 3.12  | 171 | .11 | 17 | 1.69 | .07 | .08 | 1   |
| RDH-87-12-1  | 1   | 13  | 9   | 35  | .1  | 1019 | 49  | 739  | 3.70 | 3   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 47  | .29  | .008 | 2   | 820  | 13.48 | 42  | .04 | 29 | .98  | .02 | .01 | 1   |
| STD C        | 19  | 60  | 39  | 137 | 7.7 | 46   | 31  | 1068 | 3.99 | 43  | 18  | 7   | 37  | 54  | 19  | 17  | 18  | 60  | .46  | .083 | 41  | 63   | .91   | 189 | .08 | 38 | 1.93 | .06 | .14 | 13  |

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| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | HG    | BA  | TI  | B   | AL   | HA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPH | PPH | PPH | PPH | PPH | PPH  | PPH | PPH  | PPH  | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH  | PPH  | PPH | PPH  | PPH   | PPH | PPH | PPH | PPH  | PPH | PPH | PPH |
| RDH-87-12-2  | 1   | 39  | 16  | 43  | .2  | 371  | 27  | 677  | 3.72 | 2   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 81  | 3.03 | .032 | 2   | 340  | 5.64  | 39  | .18 | 15  | 1.53 | .19 | .03 | 1   |
| RDH-87-12-3  | 1   | 10  | 11  | 30  | .1  | 1125 | 51  | 697  | 3.97 | 4   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 46  | .52  | .010 | 2   | 801  | 13.27 | 19  | .04 | 31  | .87  | .03 | .01 | 1   |
| RDH-87-12-4  | 1   | 9   | 4   | 19  | .1  | 1278 | 56  | 475  | 3.66 | 8   | 5   | ND  | 1   | 2   | 1   | 2   | 2   | 23  | .08  | .002 | 2   | 864  | 11.76 | 4   | .01 | 46  | .44  | .01 | .01 | 1   |
| RDH-87-12-5  | 1   | 13  | 6   | 24  | .4  | 1342 | 58  | 695  | 3.76 | 4   | 5   | ND  | 3   | 9   | 1   | 2   | 2   | 24  | .37  | .001 | 2   | 896  | 14.32 | 12  | .01 | 45  | .47  | .01 | .01 | 1   |
| RDH-87-12-6  | 1   | 2   | 2   | 21  | .2  | 1226 | 52  | 453  | 3.52 | 13  | 5   | ND  | 3   | 2   | 1   | 2   | 3   | 20  | .03  | .001 | 2   | 789  | 12.95 | 7   | .01 | 48  | .37  | .01 | .01 | 2   |
| RDH-87-12-7  | 1   | 1   | 5   | 19  | .2  | 1228 | 51  | 386  | 3.36 | 8   | 5   | ND  | 2   | 2   | 1   | 4   | 2   | 19  | .02  | .001 | 2   | 752  | 12.16 | 9   | .01 | 37  | .36  | .01 | .01 | 1   |
| RDH-87-12-8  | 1   | 7   | 3   | 17  | .1  | 1269 | 54  | 377  | 3.53 | 10  | 5   | ND  | 1   | 2   | 1   | 2   | 2   | 17  | .11  | .001 | 2   | 639  | 10.90 | 12  | .01 | 45  | .32  | .01 | .01 | 1   |
| RDH-87-12-9  | 1   | 7   | 9   | 18  | .1  | 1213 | 52  | 346  | 3.47 | 7   | 5   | ND  | 1   | 6   | 1   | 2   | 2   | 18  | .24  | .001 | 2   | 587  | 10.41 | 7   | .01 | 32  | .32  | .01 | .01 | 1   |
| RDH-87-12-10 | 1   | 13  | 6   | 18  | .1  | 1164 | 50  | 354  | 3.50 | 5   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 20  | .28  | .001 | 2   | 791  | 11.05 | 2   | .01 | 33  | .35  | .01 | .01 | 1   |
| RDH-87-12-11 | 1   | 9   | 6   | 26  | .5  | 1344 | 55  | 527  | 3.63 | 8   | 5   | ND  | 3   | 18  | 1   | 2   | 2   | 23  | .59  | .002 | 2   | 932  | 13.23 | 3   | .01 | 62  | .40  | .01 | .01 | 1   |
| RDH-87-12-12 | 2   | 8   | 2   | 21  | .3  | 1450 | 62  | 589  | 4.20 | 9   | 5   | ND  | 2   | 5   | 1   | 2   | 2   | 24  | .11  | .001 | 2   | 1080 | 15.04 | 7   | .01 | 73  | .42  | .01 | .01 | 1   |
| RDH-87-12-13 | 2   | 8   | 2   | 19  | .6  | 1373 | 58  | 480  | 4.01 | 9   | 8   | ND  | 3   | 5   | 1   | 3   | 2   | 24  | .12  | .001 | 2   | 1004 | 14.35 | 2   | .01 | 61  | .42  | .01 | .01 | 1   |
| RDH-87-12-14 | 1   | 8   | 2   | 24  | .2  | 1471 | 65  | 637  | 4.21 | 7   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 20  | .28  | .001 | 2   | 939  | 15.21 | 2   | .01 | 69  | .27  | .01 | .01 | 1   |
| RDH-87-12-15 | 2   | 3   | 2   | 22  | .1  | 1631 | 68  | 666  | 4.13 | 8   | 5   | ND  | 1   | 5   | 1   | 2   | 2   | 20  | .11  | .001 | 2   | 938  | 16.12 | 5   | .01 | 73  | .30  | .01 | .01 | 1   |
| RDH-87-12-16 | 2   | 5   | 3   | 21  | .4  | 1467 | 66  | 645  | 4.14 | 10  | 5   | ND  | 2   | 5   | 1   | 4   | 2   | 24  | .14  | .001 | 2   | 1062 | 16.48 | 2   | .01 | 64  | .45  | .01 | .01 | 1   |
| RDH-87-12-17 | 1   | 5   | 4   | 21  | .3  | 1295 | 56  | 498  | 3.66 | 8   | 5   | ND  | 2   | 9   | 1   | 2   | 2   | 25  | .42  | .001 | 2   | 988  | 13.74 | 1   | .01 | 44  | .44  | .01 | .01 | 1   |
| RDH-87-12-18 | 1   | 22  | 4   | 34  | .1  | 774  | 41  | 770  | 3.96 | 6   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 71  | 1.72 | .014 | 2   | 588  | 11.07 | 10  | .04 | 26  | 1.51 | .03 | .02 | 1   |
| RDH-87-12-19 | 1   | 59  | 13  | 41  | .1  | 470  | 35  | 848  | 4.87 | 34  | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 114 | 2.12 | .030 | 2   | 434  | 8.33  | 21  | .05 | 16  | 2.69 | .04 | .03 | 1   |
| RDH-87-12-20 | 1   | 19  | 21  | 46  | .1  | 839  | 41  | 822  | 4.79 | 63  | 5   | ND  | 1   | 156 | 1   | 2   | 2   | 80  | 3.72 | .024 | 3   | 466  | 11.64 | 27  | .01 | 13  | 2.54 | .01 | .04 | 1   |
| RDH-87-12-21 | 1   | 43  | 6   | 22  | .1  | 1377 | 55  | 662  | 3.31 | 14  | 5   | ND  | 1   | 118 | 1   | 3   | 2   | 15  | 2.70 | .004 | 2   | 190  | 14.19 | 7   | .01 | 3   | .33  | .01 | .01 | 2   |
| RDH-87-12-22 | 1   | 31  | 8   | 32  | .6  | 743  | 40  | 921  | 4.28 | 31  | 5   | ND  | 2   | 172 | 1   | 2   | 2   | 65  | 3.60 | .025 | 3   | 368  | 10.48 | 32  | .01 | 5   | 1.79 | .01 | .06 | 1   |
| RDH-87-12-23 | 1   | 32  | 7   | 24  | .2  | 937  | 48  | 949  | 4.09 | 15  | 5   | ND  | 1   | 244 | 1   | 2   | 2   | 40  | 4.04 | .008 | 2   | 499  | 12.74 | 10  | .01 | 9   | .84  | .01 | .03 | 1   |
| RDH-87-12-24 | 1   | 25  | 13  | 32  | .5  | 1014 | 52  | 992  | 4.79 | 14  | 5   | ND  | 2   | 150 | 1   | 2   | 2   | 61  | 3.23 | .011 | 2   | 562  | 12.55 | 15  | .01 | 7   | 1.51 | .01 | .03 | 1   |
| RDH-87-12-25 | 1   | 9   | 5   | 17  | .1  | 1000 | 51  | 690  | 3.38 | 11  | 5   | ND  | 4   | 47  | 1   | 2   | 2   | 17  | .96  | .002 | 2   | 607  | 12.36 | 7   | .01 | 13  | .31  | .01 | .01 | 1   |
| RDH-87-12-26 | 1   | 10  | 6   | 15  | .3  | 982  | 51  | 734  | 3.19 | 10  | 5   | ND  | 2   | 43  | 1   | 3   | 2   | 9   | 1.11 | .002 | 2   | 390  | 10.74 | 5   | .01 | 14  | .17  | .01 | .01 | 1   |
| RDH-87-12-27 | 1   | 16  | 7   | 24  | .3  | 1061 | 54  | 841  | 3.89 | 16  | 5   | ND  | 2   | 81  | 1   | 2   | 2   | 25  | 2.11 | .016 | 3   | 759  | 14.24 | 56  | .01 | 33  | .56  | .01 | .05 | 1   |
| RDH-87-12-28 | 1   | 15  | 5   | 20  | .1  | 1091 | 52  | 775  | 3.61 | 15  | 5   | ND  | 1   | 54  | 1   | 2   | 2   | 18  | .98  | .008 | 2   | 747  | 12.94 | 28  | .01 | 13  | .37  | .01 | .02 | 1   |
| RDH-87-12-29 | 1   | 10  | 6   | 24  | .1  | 1416 | 65  | 750  | 4.16 | 30  | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 24  | .34  | .002 | 2   | 1128 | 16.69 | 10  | .01 | 23  | .45  | .01 | .01 | 1   |
| RDH-87-12-30 | 1   | 14  | 8   | 25  | .5  | 1382 | 63  | 857  | 4.30 | 20  | 7   | ND  | 5   | 30  | 1   | 2   | 2   | 25  | .59  | .001 | 2   | 1132 | 17.04 | 10  | .01 | 35  | .45  | .01 | .02 | 1   |
| RDH-87-12-31 | 1   | 18  | 3   | 20  | .5  | 991  | 51  | 859  | 3.67 | 15  | 5   | ND  | 2   | 56  | 1   | 2   | 2   | 21  | 1.21 | .001 | 2   | 994  | 13.09 | 8   | .01 | 15  | .37  | .01 | .01 | 1   |
| RDH-87-12-32 | 1   | 12  | 5   | 19  | .3  | 997  | 49  | 714  | 3.42 | 7   | 5   | ND  | 2   | 34  | 1   | 2   | 2   | 20  | .69  | .002 | 2   | 859  | 11.95 | 5   | .01 | 20  | .36  | .01 | .01 | 1   |
| RDH-87-12-33 | 2   | 11  | 4   | 29  | .3  | 1349 | 67  | 831  | 4.39 | 14  | 5   | ND  | 2   | 34  | 1   | 2   | 2   | 33  | .71  | .002 | 2   | 1223 | 16.41 | 6   | .01 | 51  | .82  | .01 | .01 | 1   |
| RDH-87-12-34 | 1   | 17  | 7   | 28  | .1  | 1279 | 63  | 830  | 4.27 | 9   | 5   | ND  | 1   | 90  | 1   | 2   | 2   | 30  | 1.24 | .001 | 2   | 1243 | 16.36 | 5   | .01 | 34  | .45  | .01 | .01 | 1   |
| RDH-87-12-35 | 2   | 11  | 4   | 30  | .6  | 1469 | 67  | 774  | 4.33 | 9   | 13  | ND  | 5   | 49  | 1   | 2   | 2   | 22  | .70  | .001 | 2   | 996  | 18.81 | 2   | .01 | 45  | .43  | .01 | .02 | 1   |
| RDH-87-12-36 | 1   | 11  | 2   | 19  | .4  | 1104 | 54  | 726  | 3.59 | 2   | 5   | ND  | 2   | 28  | 1   | 2   | 2   | 15  | .64  | .001 | 2   | 739  | 14.29 | 3   | .01 | 25  | .33  | .01 | .01 | 1   |
| RDH-87-13-1  | 1   | 11  | 3   | 24  | .1  | 1704 | 77  | 814  | 4.21 | 17  | 5   | ND  | 2   | 4   | 1   | 2   | 2   | 19  | .18  | .001 | 2   | 968  | 13.67 | 8   | .01 | 41  | .32  | .01 | .01 | 1   |
| STD C        | 19  | 62  | 37  | 139 | 7.5 | 70   | 31  | 1052 | 4.25 | 42  | 23  | 8   | 41  | 54  | 19  | 17  | 20  | 61  | .47  | .081 | 42  | 61   | .94   | 190 | .07 | 35  | 1.88 | .06 | .13 | 13  |

15 5970



HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CR   | P    | LA  | CR   | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM  | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-13-2  | 2   | 17  | 8   | 23  | 1.0 | 1660 | 74  | 567  | 4.51 | 9   | 5   | ND  | 5   | 2   | 1   | 2   | 5   | 28  | .11  | .001 | 2   | 1122 | 15.20 | 1   | .01 | 47  | .44  | .01 | .01 | 1   |
| RDH-87-13-3  | 2   | 30  | 6   | 24  | .8  | 1493 | 66  | 566  | 4.01 | 8   | 5   | ND  | 7   | 3   | 1   | 2   | 6   | 28  | .18  | .002 | 2   | 1118 | 13.44 | 2   | .01 | 37  | .47  | .01 | .01 | 1   |
| RDH-87-13-4  | 2   | 10  | 4   | 23  | .6  | 1544 | 67  | 572  | 4.47 | 9   | 5   | ND  | 3   | 2   | 1   | 2   | 2   | 33  | .11  | .001 | 2   | 1336 | 15.51 | 1   | .01 | 48  | .54  | .01 | .01 | 1   |
| RDH-87-13-5  | 2   | 11  | 7   | 25  | .7  | 1800 | 75  | 784  | 4.31 | 15  | 5   | ND  | 4   | 2   | 1   | 2   | 2   | 19  | .14  | .001 | 2   | 897  | 17.24 | 2   | .01 | 53  | .31  | .01 | .01 | 1   |
| RDH-87-13-6  | 2   | 23  | 5   | 21  | .1  | 1923 | 74  | 905  | 3.92 | 12  | 5   | ND  | 3   | 24  | 1   | 2   | 2   | 4   | .54  | .001 | 2   | 208  | 17.22 | 7   | .01 | 68  | .05  | .01 | .01 | 1   |
| RDH-87-13-7  | 2   | 14  | 9   | 26  | 1.0 | 1747 | 74  | 448  | 4.31 | 17  | 6   | ND  | 8   | 4   | 1   | 2   | 5   | 25  | .14  | .001 | 2   | 1015 | 15.92 | 2   | .01 | 47  | .39  | .01 | .02 | 1   |
| RDH-87-13-8  | 2   | 12  | 8   | 21  | .9  | 1708 | 75  | 512  | 4.55 | 10  | 5   | ND  | 4   | 1   | 1   | 2   | 2   | 31  | .02  | .001 | 2   | 1214 | 15.99 | 2   | .01 | 46  | .49  | .01 | .01 | 1   |
| RDH-87-13-9  | 2   | 12  | 9   | 26  | .6  | 1683 | 74  | 661  | 4.44 | 8   | 5   | ND  | 5   | 2   | 1   | 2   | 2   | 29  | .04  | .001 | 2   | 1133 | 17.46 | 2   | .01 | 45  | .48  | .01 | .01 | 1   |
| RDH-87-13-10 | 1   | 30  | 8   | 37  | .4  | 604  | 32  | 428  | 3.64 | 3   | 5   | ND  | 4   | 14  | 1   | 2   | 2   | 80  | 2.13 | .028 | 2   | 378  | 6.24  | 14  | .17 | 15  | 1.53 | .20 | .05 | 1   |
| RDH-87-13-11 | 1   | 47  | 12  | 44  | .4  | 826  | 40  | 649  | 3.81 | 6   | 5   | ND  | 4   | 15  | 1   | 2   | 2   | 70  | 1.79 | .021 | 2   | 463  | 7.77  | 19  | .14 | 18  | 1.46 | .15 | .04 | 1   |
| RDH-87-13-12 | 1   | 37  | 6   | 29  | .2  | 1016 | 47  | 594  | 3.56 | 5   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 43  | .83  | .015 | 2   | 647  | 11.22 | 30  | .05 | 28  | .86  | .06 | .02 | 1   |
| RDH-87-13-13 | 1   | 31  | 10  | 37  | .5  | 387  | 27  | 573  | 3.58 | 3   | 5   | ND  | 7   | 27  | 1   | 2   | 2   | 86  | 1.80 | .040 | 3   | 262  | 4.76  | 58  | .16 | 12  | 1.40 | .18 | .07 | 1   |
| RDH-87-13-14 | 1   | 51  | 3   | 34  | .3  | 384  | 26  | 512  | 3.30 | 2   | 5   | ND  | 4   | 26  | 1   | 3   | 2   | 77  | 2.19 | .035 | 2   | 321  | 4.54  | 29  | .16 | 10  | 1.56 | .16 | .04 | 1   |
| RDH-87-13-15 | 1   | 41  | 6   | 37  | .7  | 352  | 24  | 573  | 3.38 | 4   | 6   | ND  | 5   | 36  | 1   | 2   | 2   | 77  | 3.30 | .035 | 3   | 320  | 4.21  | 27  | .19 | 9   | 1.75 | .16 | .05 | 1   |
| RDH-87-13-16 | 1   | 25  | 5   | 40  | .3  | 97   | 16  | 684  | 3.39 | 6   | 5   | ND  | 5   | 37  | 1   | 2   | 2   | 84  | 5.50 | .033 | 2   | 114  | 2.99  | 14  | .25 | 4   | 2.30 | .18 | .05 | 1   |
| RDH-87-13-17 | 1   | 23  | 3   | 36  | .4  | 399  | 27  | 604  | 3.48 | 4   | 5   | ND  | 5   | 37  | 1   | 2   | 2   | 72  | 3.46 | .022 | 2   | 323  | 5.35  | 14  | .18 | 11  | 1.98 | .17 | .04 | 1   |
| RDH-87-13-18 | 1   | 21  | 8   | 27  | .7  | 1051 | 51  | 589  | 3.95 | 4   | 5   | ND  | 5   | 13  | 1   | 2   | 2   | 55  | 1.33 | .008 | 2   | 695  | 12.68 | 7   | .04 | 27  | 1.62 | .03 | .01 | 1   |
| RDH-87-13-19 | 2   | 11  | 2   | 21  | .2  | 1434 | 65  | 485  | 4.06 | 9   | 5   | ND  | 4   | 3   | 1   | 3   | 6   | 24  | .19  | .005 | 2   | 827  | 15.27 | 5   | .01 | 47  | .49  | .01 | .01 | 1   |
| RDH-87-13-20 | 2   | 17  | 6   | 23  | .6  | 1429 | 64  | 507  | 4.02 | 5   | 5   | ND  | 6   | 5   | 1   | 2   | 7   | 29  | .44  | .003 | 2   | 869  | 13.08 | 3   | .02 | 37  | .56  | .01 | .01 | 1   |
| RDH-87-13-21 | 2   | 8   | 7   | 25  | .5  | 1501 | 67  | 527  | 4.00 | 11  | 5   | ND  | 4   | 3   | 1   | 2   | 5   | 29  | .24  | .002 | 2   | 1062 | 15.00 | 2   | .01 | 48  | .53  | .01 | .01 | 1   |
| RDH-87-13-22 | 2   | 18  | 5   | 22  | .2  | 1477 | 66  | 510  | 3.89 | 7   | 5   | ND  | 1   | 3   | 1   | 2   | 2   | 26  | .23  | .001 | 2   | 986  | 13.51 | 2   | .01 | 45  | .46  | .01 | .01 | 1   |
| RDH-87-14-1  | 1   | 35  | 3   | 31  | .7  | 1162 | 53  | 693  | 3.90 | 2   | 7   | ND  | 6   | 8   | 1   | 3   | 2   | 40  | .93  | .007 | 2   | 772  | 12.17 | 2   | .03 | 21  | .78  | .02 | .02 | 1   |
| RDH-87-14-2  | 1   | 19  | 12  | 68  | .4  | 326  | 31  | 686  | 5.91 | 3   | 5   | ND  | 3   | 17  | 1   | 2   | 6   | 146 | 1.41 | .039 | 2   | 222  | 5.45  | 20  | .17 | 7   | 2.86 | .18 | .06 | 1   |
| RDH-87-14-3  | 1   | 31  | 20  | 54  | .1  | 132  | 20  | 521  | 4.73 | 2   | 5   | ND  | 3   | 13  | 1   | 2   | 7   | 128 | 1.35 | .043 | 2   | 98   | 3.38  | 18  | .19 | 7   | 2.15 | .18 | .05 | 1   |
| RDH-87-14-4  | 1   | 62  | 8   | 54  | .4  | 98   | 17  | 487  | 4.02 | 2   | 5   | ND  | 4   | 12  | 1   | 2   | 3   | 120 | 1.57 | .042 | 2   | 77   | 2.60  | 14  | .22 | 4   | 1.75 | .22 | .06 | 1   |
| RDH-87-14-5  | 1   | 59  | 7   | 46  | .6  | 94   | 16  | 433  | 3.48 | 5   | 6   | ND  | 5   | 10  | 1   | 2   | 6   | 109 | 1.47 | .041 | 2   | 75   | 2.13  | 14  | .17 | 6   | 1.45 | .22 | .07 | 2   |
| RDH-87-14-6  | 1   | 59  | 11  | 43  | .3  | 115  | 15  | 423  | 3.22 | 2   | 5   | ND  | 4   | 9   | 1   | 2   | 2   | 100 | 1.47 | .042 | 2   | 88   | 1.96  | 12  | .16 | 5   | 1.27 | .22 | .06 | 1   |
| RDH-87-14-7  | 1   | 53  | 7   | 42  | .1  | 154  | 17  | 467  | 3.41 | 4   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 103 | 1.66 | .042 | 2   | 103  | 2.35  | 13  | .20 | 7   | 1.36 | .22 | .04 | 1   |
| RDH-87-14-8  | 1   | 75  | 7   | 42  | .5  | 119  | 15  | 443  | 3.36 | 2   | 5   | ND  | 3   | 10  | 1   | 2   | 2   | 99  | 1.50 | .042 | 2   | 80   | 2.00  | 13  | .18 | 6   | 1.30 | .20 | .06 | 1   |
| RDH-87-14-9  | 1   | 54  | 8   | 59  | .5  | 69   | 16  | 535  | 3.62 | 3   | 5   | ND  | 4   | 9   | 1   | 3   | 3   | 114 | 1.91 | .042 | 2   | 52   | 1.63  | 13  | .27 | 2   | 1.51 | .28 | .10 | 1   |
| RDH-87-14-10 | 1   | 80  | 13  | 50  | .3  | 284  | 24  | 600  | 4.42 | 3   | 5   | ND  | 3   | 12  | 1   | 2   | 5   | 130 | 1.82 | .038 | 2   | 166  | 3.68  | 14  | .19 | 7   | 1.78 | .27 | .09 | 1   |
| RDH-87-14-11 | 1   | 68  | 5   | 35  | .1  | 1069 | 49  | 716  | 3.42 | 8   | 5   | ND  | 4   | 21  | 1   | 2   | 3   | 56  | 2.71 | .011 | 2   | 793  | 7.44  | 5   | .05 | 15  | 1.62 | .02 | .01 | 1   |
| RDH-87-14-12 | 1   | 22  | 8   | 48  | .1  | 278  | 24  | 597  | 4.57 | 18  | 5   | ND  | 3   | 13  | 1   | 3   | 2   | 125 | 1.73 | .038 | 2   | 277  | 4.33  | 30  | .14 | 8   | 2.74 | .16 | .10 | 1   |
| RDH-87-14-13 | 1   | 53  | 7   | 63  | .3  | 77   | 21  | 550  | 5.51 | 5   | 6   | ND  | 3   | 13  | 1   | 2   | 5   | 174 | 1.41 | .073 | 2   | 72   | 3.60  | 118 | .16 | 4   | 2.67 | .22 | .15 | 1   |
| RDH-87-14-14 | 1   | 39  | 10  | 51  | .3  | 219  | 22  | 600  | 4.21 | 7   | 5   | ND  | 4   | 14  | 1   | 3   | 2   | 108 | 1.74 | .047 | 2   | 228  | 4.87  | 72  | .14 | 5   | 2.87 | .09 | .08 | 1   |
| RDH-87-14-15 | 1   | 24  | 10  | 58  | .1  | 50   | 19  | 529  | 4.97 | 2   | 5   | ND  | 1   | 17  | 1   | 2   | 3   | 138 | 1.30 | .045 | 2   | 59   | 4.29  | 100 | .18 | 4   | 3.08 | .17 | .20 | 1   |
| STD C        | 18  | 61  | 38  | 133 | 7.3 | 68   | 29  | 1110 | 4.06 | 42  | 17  | 8   | 38  | 51  | 18  | 17  | 18  | 57  | .46  | .082 | 39  | 61   | .90   | 179 | .08 | 31  | 1.85 | .06 | .13 | 12  |

735710



HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | HG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | PPM  | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM  | PPM  | PPM | PPM | PPM   | PPM | PPM | PPM | PPM  | PPM | PPM | PPM |
| RDH-87-14-16 | 1   | 17  | 2   | 43  | .1  | 32   | 17  | 499  | 4.28 | 4   | 5   | ND  | 4   | 17  | 1   | 2   | 2   | 127 | 1.64 | .039 | 2   | 43  | 2.87  | 29  | .18 | 2   | 2.49 | .23 | .10 | 1   |
| RDH-87-14-17 | 1   | 97  | 2   | 42  | .1  | 99   | 17  | 419  | 3.69 | 5   | 5   | ND  | 2   | 36  | 1   | 2   | 2   | 104 | 1.51 | .050 | 5   | 133 | 2.83  | 95  | .16 | 2   | 2.07 | .16 | .10 | 1   |
| RDH-87-14-18 | 1   | 79  | 2   | 44  | .1  | 32   | 17  | 416  | 4.15 | 2   | 5   | ND  | 2   | 24  | 1   | 2   | 2   | 130 | 1.27 | .041 | 2   | 44  | 2.71  | 25  | .17 | 2   | 2.22 | .19 | .06 | 1   |
| RDH-87-14-19 | 1   | 79  | 5   | 48  | .3  | 46   | 17  | 426  | 4.15 | 8   | 5   | ND  | 6   | 24  | 1   | 2   | 4   | 132 | 1.26 | .044 | 3   | 61  | 2.70  | 46  | .17 | 2   | 2.22 | .19 | .09 | 1   |
| RDH-87-15-1  | 1   | 16  | 4   | 14  | .3  | 988  | 47  | 620  | 3.02 | 295 | 5   | ND  | 6   | 9   | 1   | 3   | 2   | 17  | .44  | .002 | 2   | 650 | 8.86  | 2   | .01 | 2   | .37  | .01 | .03 | 1   |
| RDH-87-15-2  | 2   | 10  | 2   | 16  | .1  | 963  | 51  | 615  | 2.92 | 345 | 5   | ND  | 2   | 2   | 1   | 2   | 2   | 15  | .06  | .003 | 2   | 530 | 9.03  | 2   | .01 | 5   | .31  | .01 | .03 | 1   |
| RDH-87-15-3  | 2   | 14  | 2   | 16  | .5  | 954  | 49  | 742  | 3.12 | 39  | 12  | ND  | 6   | 36  | 1   | 2   | 2   | 22  | 2.25 | .003 | 2   | 705 | 11.38 | 2   | .01 | 14  | .47  | .01 | .03 | 1   |
| RDH-87-15-4  | 1   | 46  | 8   | 33  | .3  | 108  | 16  | 463  | 2.99 | 6   | 5   | ND  | 5   | 16  | 1   | 2   | 3   | 82  | 1.75 | .030 | 2   | 137 | 2.60  | 7   | .17 | 2   | 1.65 | .17 | .06 | 1   |
| RDH-87-15-5  | 1   | 33  | 5   | 30  | .1  | 70   | 14  | 395  | 2.91 | 2   | 5   | ND  | 6   | 16  | 1   | 2   | 2   | 86  | 1.57 | .032 | 2   | 86  | 1.93  | 10  | .16 | 2   | 1.55 | .16 | .06 | 1   |
| RDH-87-15-6  | 1   | 48  | 12  | 30  | .1  | 81   | 13  | 324  | 2.48 | 13  | 5   | ND  | 3   | 12  | 1   | 2   | 2   | 75  | 1.22 | .029 | 2   | 82  | 1.80  | 12  | .14 | 2   | 1.29 | .16 | .04 | 1   |
| RDH-87-15-7  | 1   | 50  | 10  | 37  | .1  | 98   | 16  | 428  | 3.02 | 5   | 5   | ND  | 1   | 16  | 1   | 2   | 2   | 90  | 1.73 | .030 | 2   | 109 | 2.14  | 14  | .19 | 3   | 1.59 | .21 | .06 | 1   |
| RDH-87-15-8  | 1   | 53  | 3   | 33  | .3  | 271  | 23  | 613  | 3.26 | 6   | 5   | ND  | 6   | 19  | 1   | 2   | 2   | 79  | 2.83 | .026 | 2   | 268 | 3.51  | 12  | .13 | 13  | 1.57 | .13 | .07 | 1   |
| RDH-87-15-9  | 1   | 23  | 5   | 25  | .3  | 837  | 45  | 624  | 2.75 | 17  | 5   | ND  | 5   | 20  | 1   | 2   | 2   | 29  | 2.34 | .004 | 2   | 652 | 7.29  | 5   | .03 | 11  | .59  | .02 | .03 | 1   |
| RDH-87-15-10 | 1   | 22  | 2   | 16  | .1  | 435  | 26  | 540  | 1.59 | 11  | 5   | ND  | 2   | 24  | 1   | 2   | 2   | 17  | 2.65 | .004 | 2   | 519 | 3.47  | 2   | .01 | 8   | .70  | .01 | .02 | 1   |
| RDH-87-15-11 | 1   | 24  | 6   | 16  | .7  | 198  | 11  | 256  | .81  | 10  | 7   | ND  | 8   | 9   | 1   | 2   | 8   | 11  | 1.12 | .003 | 2   | 253 | 1.66  | 2   | .01 | 6   | .31  | .01 | .03 | 2   |
| RDH-87-15-12 | 1   | 15  | 2   | 29  | .4  | 179  | 18  | 545  | 3.02 | 4   | 5   | ND  | 6   | 34  | 1   | 2   | 2   | 78  | 4.21 | .022 | 2   | 231 | 3.72  | 14  | .11 | 9   | 1.84 | .05 | .05 | 1   |
| RDH-87-15-13 | 1   | 28  | 2   | 22  | .1  | 66   | 11  | 366  | 2.01 | 7   | 6   | ND  | 6   | 26  | 1   | 2   | 2   | 54  | 3.61 | .041 | 3   | 86  | 1.95  | 5   | .15 | 10  | 1.20 | .09 | .04 | 1   |
| RDH-87-15-14 | 1   | 60  | 2   | 25  | .3  | 66   | 12  | 403  | 2.56 | 2   | 5   | ND  | 5   | 15  | 1   | 2   | 2   | 72  | 2.24 | .028 | 2   | 109 | 2.17  | 10  | .16 | 2   | 1.46 | .14 | .05 | 1   |
| RDH-87-15-15 | 1   | 50  | 2   | 34  | .1  | 216  | 20  | 450  | 3.36 | 2   | 5   | ND  | 5   | 18  | 1   | 2   | 2   | 84  | 1.43 | .026 | 2   | 195 | 4.21  | 11  | .13 | 5   | 1.78 | .12 | .06 | 1   |
| RDH-87-15-16 | 1   | 47  | 3   | 44  | .1  | 727  | 41  | 869  | 4.76 | 6   | 5   | ND  | 3   | 18  | 1   | 2   | 2   | 111 | 2.53 | .018 | 2   | 565 | 7.97  | 5   | .03 | 8   | 2.45 | .02 | .04 | 1   |
| RDH-87-15-17 | 1   | 50  | 2   | 32  | .1  | 230  | 20  | 631  | 3.41 | 4   | 5   | ND  | 5   | 20  | 1   | 2   | 2   | 93  | 3.44 | .027 | 2   | 192 | 3.12  | 14  | .12 | 4   | 1.69 | .06 | .06 | 1   |
| RDH-87-15-18 | 1   | 146 | 8   | 36  | .1  | 136  | 19  | 549  | 3.84 | 6   | 5   | ND  | 3   | 13  | 1   | 2   | 2   | 124 | 2.49 | .037 | 2   | 148 | 2.46  | 12  | .16 | 6   | 1.90 | .19 | .07 | 1   |
| RDH-87-15-19 | 1   | 217 | 5   | 48  | .2  | 64   | 19  | 606  | 4.35 | 5   | 5   | ND  | 5   | 20  | 1   | 2   | 2   | 146 | 2.43 | .030 | 2   | 69  | 2.11  | 11  | .21 | 4   | 1.94 | .14 | .06 | 1   |
| RDH-87-15-20 | 1   | 40  | 2   | 36  | .1  | 74   | 16  | 466  | 3.46 | 2   | 5   | ND  | 3   | 15  | 1   | 2   | 2   | 114 | 1.82 | .032 | 2   | 78  | 1.97  | 16  | .19 | 3   | 1.66 | .19 | .08 | 1   |
| RDH-87-15-21 | 1   | 38  | 2   | 37  | .1  | 48   | 13  | 410  | 3.25 | 3   | 5   | ND  | 4   | 13  | 1   | 2   | 4   | 112 | 1.51 | .037 | 2   | 45  | 1.56  | 10  | .16 | 2   | 1.53 | .20 | .07 | 1   |
| RDH-87-15-22 | 1   | 27  | 2   | 65  | .1  | 43   | 14  | 469  | 3.38 | 2   | 5   | ND  | 2   | 11  | 1   | 2   | 2   | 112 | 1.85 | .035 | 2   | 47  | 1.57  | 10  | .19 | 3   | 1.56 | .19 | .08 | 1   |
| RDH-87-15-23 | 1   | 36  | 7   | 36  | .2  | 36   | 14  | 442  | 3.34 | 5   | 5   | ND  | 5   | 14  | 1   | 2   | 2   | 109 | 1.71 | .034 | 2   | 39  | 1.47  | 11  | .19 | 2   | 1.57 | .20 | .07 | 1   |
| RDH-87-15-24 | 1   | 46  | 3   | 39  | .1  | 33   | 14  | 525  | 3.66 | 2   | 5   | ND  | 2   | 21  | 1   | 2   | 2   | 132 | 2.23 | .037 | 2   | 39  | 1.53  | 21  | .22 | 8   | 1.79 | .25 | .07 | 1   |
| RDH-87-16-1  | 2   | 9   | 2   | 28  | .4  | 1399 | 61  | 625  | 3.77 | 8   | 7   | ND  | 7   | 8   | 1   | 2   | 2   | 23  | .56  | .003 | 2   | 834 | 16.65 | 10  | .01 | 46  | .58  | .01 | .04 | 1   |
| RDH-87-16-2  | 2   | 29  | 5   | 26  | .3  | 1346 | 58  | 566  | 3.64 | 11  | 5   | ND  | 6   | 10  | 1   | 2   | 2   | 27  | .97  | .004 | 2   | 797 | 15.84 | 14  | .01 | 36  | .71  | .01 | .03 | 1   |
| RDH-87-16-3  | 3   | 9   | 2   | 34  | .1  | 1517 | 69  | 898  | 4.23 | 10  | 5   | ND  | 5   | 5   | 1   | 2   | 2   | 21  | .35  | .002 | 2   | 954 | 19.62 | 5   | .01 | 43  | .49  | .01 | .03 | 1   |
| RDH-87-16-4  | 2   | 9   | 4   | 28  | .1  | 1580 | 69  | 689  | 4.04 | 12  | 5   | ND  | 3   | 3   | 1   | 2   | 2   | 20  | .10  | .002 | 2   | 966 | 18.39 | 2   | .01 | 39  | .42  | .01 | .03 | 1   |
| RDH-87-16-5  | 2   | 15  | 3   | 29  | .1  | 1487 | 68  | 688  | 4.15 | 12  | 5   | ND  | 4   | 3   | 1   | 2   | 2   | 23  | .14  | .003 | 2   | 992 | 17.63 | 4   | .01 | 36  | .44  | .01 | .03 | 1   |
| RDH-87-16-6  | 2   | 14  | 2   | 28  | .3  | 1510 | 69  | 574  | 3.78 | 10  | 6   | ND  | 6   | 5   | 1   | 2   | 2   | 24  | .17  | .004 | 2   | 940 | 15.76 | 10  | .01 | 38  | .52  | .01 | .04 | 2   |
| RDH-87-16-7  | 2   | 25  | 6   | 23  | .1  | 1397 | 62  | 572  | 3.63 | 10  | 5   | ND  | 7   | 15  | 1   | 2   | 2   | 21  | .32  | .002 | 2   | 822 | 14.59 | 7   | .01 | 30  | .45  | .01 | .04 | 1   |
| RDH-87-16-8  | 2   | 13  | 2   | 27  | .1  | 1472 | 64  | 730  | 3.91 | 12  | 5   | ND  | 4   | 19  | 1   | 2   | 2   | 16  | .30  | .003 | 2   | 655 | 15.99 | 9   | .01 | 33  | .29  | .01 | .03 | 1   |
| STD C        | 18  | 58  | 40  | 132 | 6.9 | 68   | 29  | 1112 | 4.08 | 43  | 18  | 7   | 38  | 51  | 18  | 17  | 20  | 56  | .45  | .086 | 39  | 61  | .91   | 178 | .08 | 31  | 1.96 | .06 | .13 | 12  |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPH | CU<br>PPH | PB<br>PPH | ZN<br>PPH | AG<br>PPH | NI<br>PPH | CO<br>PPH | MN<br>PPH | FE<br>I | AS<br>PPH | U<br>PPH | AU<br>PPH | TH<br>PPH | SR<br>PPH | CD<br>PPH | SB<br>PPH | BI<br>PPH | V<br>PPH | CA<br>I | P<br>I | LA<br>PPH | CR<br>PPH | HG<br>I | BA<br>PPH | TI<br>I | B<br>PPH | AL<br>I | NA<br>I | K<br>I | W<br>PPH |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-16-9  | 1         | 24        | 2         | 24        | .3        | 1493      | 63        | 744       | 3.74    | 7         | 5        | ND        | 4         | 41        | 1         | 2         | 2         | 20       | .67     | .001   | 2         | 725       | 15.35   | 8         | .01     | 31       | .47     | .01     | .01    | 2        |
| RDH-87-16-10 | 2         | 6         | 13        | 28        | .1        | 1614      | 70        | 719       | 4.03    | 4         | 5        | ND        | 2         | 5         | 1         | 2         | 2         | 14       | .08     | .001   | 2         | 648       | 17.21   | 4         | .01     | 85       | .23     | .01     | .01    | 1        |
| RDH-87-16-11 | 2         | 6         | 4         | 27        | .1        | 1524      | 64        | 709       | 4.18    | 4         | 5        | ND        | 1         | 9         | 1         | 2         | 2         | 18       | .15     | .002   | 2         | 848       | 17.73   | 4         | .01     | 34       | .33     | .01     | .01    | 1        |
| RDH-87-16-12 | 2         | 6         | 2         | 27        | .1        | 1575      | 67        | 682       | 4.09    | 4         | 5        | ND        | 1         | 21        | 1         | 2         | 3         | 21       | .30     | .001   | 2         | 935       | 18.31   | 11        | .01     | 34       | .43     | .01     | .01    | 1        |
| RDH-87-16-13 | 2         | 7         | 2         | 26        | .1        | 1552      | 67        | 672       | 4.13    | 10        | 5        | ND        | 3         | 9         | 1         | 3         | 2         | 22       | .22     | .001   | 2         | 953       | 17.38   | 4         | .01     | 38       | .44     | .01     | .01    | 1        |
| RDH-87-16-14 | 1         | 7         | 2         | 25        | .1        | 1481      | 63        | 564       | 3.66    | 9         | 5        | ND        | 3         | 56        | 1         | 2         | 2         | 17       | .59     | .001   | 2         | 788       | 15.26   | 26        | .01     | 33       | .37     | .01     | .01    | 1        |
| RDH-87-16-15 | 1         | 6         | 2         | 25        | .1        | 1545      | 67        | 757       | 4.06    | 7         | 5        | ND        | 3         | 63        | 1         | 2         | 2         | 14       | .83     | .001   | 2         | 770       | 15.83   | 15        | .01     | 42       | .29     | .01     | .01    | 1        |
| RDH-87-16-16 | 1         | 37        | 2         | 26        | .2        | 1257      | 59        | 543       | 3.99    | 13        | 5        | ND        | 2         | 50        | 1         | 2         | 2         | 51       | .88     | .006   | 2         | 566       | 13.73   | 11        | .03     | 31       | 1.08    | .01     | .01    | 1        |
| RDH-87-16-17 | 1         | 18        | 2         | 28        | .1        | 1265      | 56        | 636       | 3.95    | 8         | 5        | ND        | 3         | 49        | 1         | 2         | 2         | 37       | .97     | .005   | 2         | 707       | 14.56   | 12        | .03     | 29       | .81     | .01     | .01    | 1        |
| RDH-87-16-18 | 1         | 81        | 2         | 31        | .1        | 116       | 17        | 580       | 3.24    | 2         | 5        | ND        | 3         | 90        | 1         | 2         | 2         | 89       | 3.89    | .027   | 2         | 97        | 4.60    | 95        | .22     | 2        | 1.84    | .09     | .02    | 1        |
| RDH-87-16-19 | 1         | 33        | 2         | 27        | .2        | 959       | 51        | 729       | 3.85    | 3         | 5        | ND        | 2         | 56        | 1         | 3         | 2         | 56       | 1.84    | .009   | 2         | 444       | 11.81   | 87        | .05     | 22       | 1.27    | .03     | .02    | 2        |
| RDH-87-16-20 | 1         | 7         | 2         | 22        | .1        | 1180      | 63        | 740       | 3.97    | 2         | 5        | ND        | 2         | 41        | 1         | 2         | 2         | 23       | .82     | .001   | 2         | 1023      | 16.45   | 14        | .01     | 37       | .45     | .01     | .01    | 1        |
| RDH-87-16-21 | 1         | 15        | 3         | 24        | .1        | 1144      | 57        | 770       | 3.74    | 3         | 5        | ND        | 1         | 35        | 1         | 2         | 2         | 22       | .95     | .002   | 2         | 589       | 16.39   | 47        | .03     | 17       | .44     | .01     | .01    | 1        |
| RDH-87-16-22 | 1         | 21        | 2         | 21        | .1        | 1278      | 59        | 649       | 3.89    | 33        | 5        | ND        | 1         | 62        | 1         | 2         | 2         | 19       | 1.12    | .004   | 2         | 336       | 14.09   | 31        | .01     | 7        | .27     | .01     | .02    | 1        |
| RDH-87-16-23 | 1         | 8         | 2         | 21        | .1        | 1421      | 62        | 695       | 3.98    | 13        | 5        | ND        | 4         | 90        | 1         | 2         | 2         | 13       | 1.13    | .001   | 2         | 304       | 16.95   | 71        | .01     | 5        | .12     | .01     | .02    | 1        |
| RDH-87-16-24 | 2         | 10        | 4         | 24        | .1        | 1395      | 63        | 631       | 3.82    | 5         | 5        | ND        | 3         | 41        | 1         | 2         | 2         | 22       | .54     | .001   | 2         | 824       | 17.19   | 99        | .01     | 19       | .39     | .01     | .01    | 1        |
| RDH-87-16-25 | 2         | 11        | 2         | 28        | .1        | 1321      | 58        | 657       | 3.78    | 6         | 5        | ND        | 2         | 40        | 1         | 2         | 2         | 24       | .70     | .003   | 2         | 729       | 16.68   | 52        | .02     | 16       | .45     | .01     | .02    | 1        |
| RDH-87-16-26 | 2         | 8         | 2         | 24        | .1        | 1408      | 64        | 655       | 3.83    | 4         | 5        | ND        | 2         | 25        | 1         | 2         | 2         | 22       | .29     | .001   | 2         | 980       | 18.19   | 34        | .01     | 22       | .39     | .01     | .01    | 1        |
| RDH-87-16-27 | 2         | 8         | 2         | 30        | .2        | 1338      | 60        | 694       | 3.69    | 3         | 5        | ND        | 4         | 28        | 1         | 2         | 2         | 17       | .30     | .001   | 2         | 815       | 18.60   | 141       | .01     | 17       | .33     | .01     | .02    | 2        |
| RDH-87-16-28 | 1         | 8         | 2         | 22        | .1        | 1372      | 59        | 667       | 3.78    | 6         | 5        | ND        | 1         | 109       | 1         | 2         | 2         | 16       | 1.53    | .001   | 2         | 444       | 17.05   | 65        | .01     | 8        | .16     | .01     | .02    | 1        |
| RDH-87-16-29 | 1         | 14        | 2         | 29        | .1        | 1197      | 56        | 731       | 4.27    | 8         | 5        | ND        | 3         | 85        | 1         | 2         | 2         | 28       | 1.32    | .002   | 2         | 532       | 16.21   | 68        | .01     | 11       | .34     | .01     | .02    | 1        |
| RDH-87-16-30 | 1         | 26        | 3         | 50        | .1        | 313       | 28        | 820       | 4.52    | 4         | 5        | ND        | 3         | 161       | 1         | 2         | 2         | 55       | 2.99    | .062   | 7         | 144       | 7.01    | 433       | .05     | 4        | .67     | .05     | .21    | 1        |
| RDH-87-16-31 | 1         | 20        | 8         | 56        | .2        | 136       | 23        | 751       | 4.32    | 2         | 5        | ND        | 5         | 153       | 1         | 2         | 2         | 41       | 2.93    | .100   | 13        | 150       | 4.39    | 600       | .12     | 4        | 1.63    | .07     | .40    | 1        |
| RDH-87-16-32 | 2         | 16        | 3         | 70        | .1        | 637       | 39        | 722       | 4.08    | 11        | 5        | ND        | 2         | 166       | 1         | 2         | 2         | 40       | 2.81    | .028   | 5         | 287       | 8.94    | 210       | .01     | 4        | .53     | .01     | .07    | 1        |
| RDH-87-16-33 | 1         | 21        | 2         | 31        | .1        | 1035      | 53        | 724       | 3.95    | 5         | 5        | ND        | 4         | 94        | 1         | 2         | 2         | 31       | 2.02    | .012   | 2         | 591       | 12.82   | 157       | .03     | 17       | .61     | .01     | .05    | 1        |
| RDH-87-16-34 | 1         | 14        | 5         | 45        | .1        | 562       | 42        | 1148      | 6.00    | 7         | 5        | ND        | 2         | 237       | 1         | 3         | 2         | 80       | 3.57    | .016   | 2         | 193       | 10.84   | 145       | .01     | 7        | .35     | .01     | .07    | 1        |
| RDH-87-16-35 | 1         | 10        | 5         | 34        | .1        | 1164      | 51        | 833       | 3.16    | 11        | 5        | ND        | 3         | 269       | 1         | 2         | 2         | 13       | 4.17    | .002   | 2         | 238       | 13.23   | 72        | .01     | 7        | .16     | .01     | .01    | 1        |
| RDH-87-16-36 | 3         | 8         | 4         | 84        | .1        | 965       | 67        | 916       | 3.78    | 10        | 5        | ND        | 1         | 44        | 1         | 3         | 2         | 11       | .73     | .002   | 2         | 506       | 16.15   | 45        | .01     | 23       | .22     | .01     | .01    | 1        |
| RDH-87-16-37 | 1         | 12        | 8         | 29        | .2        | 916       | 61        | 780       | 3.73    | 4         | 5        | ND        | 3         | 52        | 1         | 2         | 2         | 21       | .84     | .005   | 2         | 552       | 14.50   | 93        | .02     | 20       | .42     | .01     | .03    | 1        |
| RDH-87-16-38 | 1         | 9         | 2         | 16        | .1        | 758       | 73        | 826       | 3.76    | 3         | 5        | ND        | 1         | 13        | 1         | 2         | 2         | 8        | .11     | .001   | 2         | 399       | 14.25   | 9         | .01     | 23       | .15     | .01     | .01    | 1        |
| RDH-87-16-39 | 1         | 10        | 2         | 18        | .1        | 1098      | 62        | 583       | 3.79    | 3         | 5        | ND        | 1         | 22        | 1         | 2         | 2         | 36       | .25     | .001   | 2         | 702       | 15.89   | 7         | .01     | 30       | .81     | .01     | .01    | 1        |
| RDH-87-16-40 | 1         | 8         | 2         | 17        | .1        | 982       | 67        | 687       | 3.79    | 3         | 5        | ND        | 4         | 21        | 1         | 2         | 2         | 18       | .20     | .001   | 2         | 718       | 16.05   | 20        | .01     | 24       | .40     | .01     | .01    | 1        |
| RDH-87-17-1  | 1         | 44        | 9         | 65        | .1        | 595       | 36        | 670       | 4.32    | 3         | 5        | ND        | 8         | 40        | 1         | 2         | 2         | 70       | 1.61    | .134   | 17        | 567       | 6.46    | 352       | .18     | 21       | 1.59    | .03     | .20    | 1        |
| RDH-87-17-2  | 1         | 43        | 17        | 62        | .1        | 902       | 46        | 858       | 4.62    | 2         | 5        | ND        | 4         | 51        | 1         | 2         | 2         | 34       | 1.49    | .102   | 13        | 529       | 8.11    | 265       | .14     | 21       | 1.15    | .02     | .16    | 1        |
| RDH-87-17-3  | 1         | 20        | 8         | 37        | .3        | 1142      | 51        | 551       | 3.75    | 2         | 5        | ND        | 5         | 25        | 1         | 2         | 2         | 35       | 1.12    | .028   | 4         | 697       | 13.15   | 76        | .05     | 26       | 1.00    | .01     | .06    | 1        |
| RDH-87-17-4  | 1         | 38        | 14        | 33        | .3        | 231       | 14        | 245       | 1.74    | 2         | 5        | ND        | 3         | 18        | 1         | 2         | 3         | 29       | .96     | .027   | 3         | 141       | 2.56    | 51        | .09     | 8        | .71     | .06     | .05    | 4        |
| STD C        | 19        | 60        | 38        | 132       | 7.0       | 68        | 29        | 1124      | 4.05    | 39        | 21       | 7         | 37        | 51        | 18        | 17        | 22        | 57       | .45     | .088   | 39        | 61        | .90     | 178       | .08     | 33       | 1.86    | .04     | .13    | 13       |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BT  | V   | CA   | P    | LA  | CR  | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-17-5  | 1   | 137 | 10  | 62  | .1  | 162  | 24  | 503  | 4.08 | 4   | 5   | ND  | 3   | 9   | 1   | 2   | 2   | 79  | .35  | .023 | 4   | 226 | 3.55  | 30  | .11 | 2   | 2.25 | .04 | .04 | 1   |
| RDH-87-17-6  | 1   | 70  | 8   | 38  | .1  | 79   | 21  | 327  | 3.62 | 4   | 5   | ND  | 2   | 8   | 1   | 4   | 2   | 61  | .36  | .021 | 2   | 102 | 1.89  | 10  | .15 | 3   | 1.39 | .05 | .03 | 2   |
| RDH-87-17-7  | 1   | 101 | 22  | 57  | .1  | 103  | 20  | 389  | 3.58 | 2   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 64  | .31  | .018 | 3   | 159 | 2.45  | 13  | .10 | 3   | 1.77 | .05 | .03 | 1   |
| RDH-87-17-8  | 1   | 42  | 4   | 41  | .1  | 76   | 17  | 398  | 3.48 | 4   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 68  | .45  | .015 | 2   | 129 | 2.38  | 9   | .08 | 2   | 1.83 | .04 | .02 | 1   |
| RDH-87-17-9  | 1   | 36  | 12  | 46  | .1  | 92   | 17  | 390  | 3.34 | 6   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 59  | .33  | .016 | 2   | 128 | 2.40  | 11  | .08 | 3   | 1.76 | .04 | .03 | 3   |
| RDH-87-17-10 | 1   | 25  | 10  | 50  | .1  | 133  | 16  | 378  | 2.95 | 4   | 5   | ND  | 2   | 14  | 1   | 2   | 2   | 56  | .54  | .017 | 4   | 130 | 2.64  | 25  | .07 | 5   | 1.47 | .05 | .04 | 1   |
| RDH-87-17-11 | 1   | 27  | 19  | 17  | .2  | 44   | 4   | 131  | 1.22 | 3   | 5   | ND  | 1   | 4   | 1   | 5   | 2   | 17  | .36  | .010 | 2   | 66  | .72   | 5   | .05 | 3   | .40  | .05 | .02 | 6   |
| RDH-87-17-12 | 1   | 24  | 2   | 26  | .3  | 21   | 7   | 200  | 1.96 | 4   | 5   | ND  | 1   | 2   | 1   | 3   | 3   | 27  | .12  | .009 | 2   | 28  | .82   | 2   | .05 | 2   | .72  | .04 | .02 | 5   |
| RDH-87-17-13 | 1   | 19  | 10  | 31  | .1  | 23   | 8   | 239  | 2.22 | 4   | 5   | ND  | 1   | 4   | 1   | 2   | 4   | 35  | .18  | .009 | 2   | 33  | .90   | 3   | .07 | 3   | .82  | .05 | .02 | 4   |
| RDH-87-17-14 | 1   | 10  | 4   | 25  | .1  | 17   | 5   | 154  | 1.50 | 2   | 5   | ND  | 1   | 3   | 1   | 2   | 5   | 20  | .13  | .010 | 2   | 21  | .58   | 4   | .05 | 4   | .52  | .03 | .03 | 3   |
| RDH-87-17-15 | 1   | 14  | 13  | 27  | .1  | 24   | 9   | 160  | 1.80 | 2   | 5   | ND  | 1   | 4   | 1   | 2   | 3   | 32  | .15  | .010 | 2   | 33  | .73   | 7   | .06 | 2   | .61  | .05 | .05 | 4   |
| RDH-87-17-16 | 1   | 44  | 2   | 44  | .1  | 42   | 20  | 335  | 3.51 | 2   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 66  | .70  | .033 | 2   | 58  | 1.37  | 2   | .15 | 2   | 1.20 | .07 | .02 | 1   |
| RDH-87-17-17 | 1   | 43  | 8   | 32  | .2  | 69   | 26  | 335  | 3.66 | 2   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 77  | 1.40 | .041 | 2   | 65  | 1.20  | 6   | .30 | 5   | .95  | .10 | .03 | 12  |
| RDH-87-17-18 | 1   | 238 | 3   | 111 | .1  | 92   | 21  | 485  | 4.25 | 8   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 75  | .26  | .015 | 2   | 186 | 3.52  | 7   | .07 | 2   | 2.48 | .04 | .05 | 1   |
| RDH-87-17-19 | 1   | 63  | 11  | 54  | .2  | 66   | 16  | 378  | 3.40 | 2   | 5   | ND  | 1   | 6   | 1   | 2   | 2   | 71  | .24  | .014 | 2   | 118 | 2.24  | 6   | .08 | 3   | 1.66 | .06 | .04 | 1   |
| RDH-87-17-20 | 2   | 18  | 2   | 30  | .1  | 23   | 7   | 142  | 1.77 | 5   | 5   | ND  | 1   | 3   | 1   | 3   | 2   | 25  | .16  | .012 | 2   | 27  | .61   | 6   | .05 | 4   | .50  | .05 | .04 | 7   |
| RDH-87-17-21 | 1   | 26  | 2   | 21  | .4  | 29   | 12  | 185  | 2.24 | 3   | 8   | ND  | 2   | 6   | 1   | 5   | 3   | 39  | .58  | .023 | 2   | 40  | .66   | 4   | .13 | 3   | .46  | .06 | .05 | 4   |
| RDH-87-18-1  | 2   | 14  | 2   | 66  | .1  | 1156 | 56  | 637  | 3.81 | 11  | 5   | ND  | 1   | 36  | 1   | 2   | 2   | 20  | 1.25 | .005 | 2   | 740 | 13.45 | 11  | .01 | 27  | .43  | .01 | .02 | 1   |
| RDH-87-18-2  | 1   | 47  | 7   | 34  | .1  | 662  | 38  | 606  | 3.43 | 8   | 5   | ND  | 4   | 71  | 1   | 2   | 2   | 67  | 3.14 | .058 | 14  | 642 | 6.26  | 27  | .08 | 4   | 2.02 | .01 | .03 | 1   |
| RDH-87-18-3  | 1   | 38  | 14  | 145 | .1  | 421  | 28  | 541  | 3.39 | 8   | 5   | ND  | 1   | 48  | 1   | 2   | 2   | 79  | 2.60 | .038 | 6   | 465 | 4.34  | 24  | .21 | 6   | 1.99 | .06 | .05 | 1   |
| RDH-87-18-4  | 1   | 36  | 8   | 47  | .1  | 230  | 21  | 468  | 2.91 | 5   | 5   | ND  | 3   | 30  | 1   | 2   | 2   | 65  | 2.04 | .035 | 5   | 209 | 2.71  | 17  | .16 | 7   | 1.22 | .07 | .04 | 2   |
| RDH-87-18-5  | 1   | 63  | 7   | 68  | .1  | 118  | 27  | 1018 | 4.59 | 10  | 5   | ND  | 1   | 47  | 1   | 2   | 2   | 85  | 5.24 | .030 | 4   | 117 | 2.10  | 22  | .07 | 4   | 1.87 | .03 | .08 | 1   |
| RDH-87-18-6  | 1   | 58  | 6   | 57  | .1  | 105  | 22  | 1012 | 4.04 | 6   | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 83  | 3.53 | .032 | 3   | 121 | 2.06  | 23  | .11 | 3   | 1.58 | .06 | .06 | 1   |
| RDH-87-18-7  | 1   | 58  | 2   | 43  | .1  | 82   | 17  | 716  | 3.11 | 2   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 69  | 1.54 | .036 | 2   | 116 | 2.22  | 16  | .14 | 4   | 1.38 | .07 | .05 | 1   |
| RDH-87-18-8  | 1   | 49  | 7   | 42  | .1  | 71   | 17  | 560  | 2.83 | 2   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 60  | .97  | .038 | 2   | 102 | 1.91  | 10  | .16 | 2   | 1.27 | .05 | .05 | 1   |
| RDH-87-18-9  | 12  | 129 | 3   | 34  | .1  | 62   | 19  | 689  | 2.65 | 2   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 47  | 2.11 | .025 | 3   | 72  | 1.19  | 10  | .13 | 2   | .88  | .04 | .05 | 5   |
| RDH-87-18-10 | 5   | 65  | 4   | 40  | .1  | 65   | 18  | 753  | 3.06 | 2   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 75  | 2.39 | .035 | 3   | 94  | 1.56  | 13  | .22 | 2   | 1.20 | .06 | .06 | 1   |
| RDH-87-18-11 | 15  | 66  | 11  | 48  | .1  | 104  | 20  | 737  | 2.71 | 4   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 52  | 1.90 | .025 | 4   | 101 | 1.50  | 24  | .13 | 3   | 1.04 | .05 | .08 | 1   |
| RDH-87-18-12 | 5   | 68  | 7   | 40  | .1  | 81   | 18  | 607  | 2.56 | 2   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 54  | 2.87 | .033 | 3   | 72  | 1.21  | 14  | .16 | 5   | .96  | .06 | .05 | 1   |
| RDH-87-18-13 | 2   | 65  | 2   | 26  | .1  | 50   | 14  | 393  | 2.14 | 2   | 5   | ND  | 1   | 17  | 1   | 2   | 2   | 54  | 2.66 | .038 | 2   | 65  | .97   | 9   | .20 | 13  | .91  | .09 | .04 | 1   |
| RDH-87-18-14 | 1   | 65  | 5   | 24  | .1  | 46   | 14  | 282  | 2.14 | 2   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 57  | 1.60 | .042 | 2   | 60  | .93   | 6   | .21 | 3   | .85  | .09 | .03 | 1   |
| RDH-87-18-15 | 1   | 56  | 4   | 17  | .2  | 42   | 13  | 211  | 1.73 | 2   | 5   | ND  | 1   | 13  | 1   | 2   | 3   | 45  | 1.23 | .040 | 2   | 49  | .74   | 6   | .20 | 6   | .76  | .09 | .04 | 1   |
| RDH-87-18-16 | 1   | 73  | 5   | 26  | .1  | 52   | 16  | 264  | 2.27 | 2   | 5   | ND  | 1   | 22  | 1   | 2   | 2   | 59  | 1.74 | .043 | 2   | 73  | 1.01  | 8   | .27 | 4   | 1.20 | .12 | .05 | 1   |
| RDH-87-18-17 | 1   | 69  | 3   | 24  | .2  | 46   | 14  | 295  | 2.22 | 2   | 5   | ND  | 1   | 37  | 1   | 2   | 2   | 54  | 2.26 | .055 | 3   | 112 | 1.14  | 22  | .22 | 4   | 1.35 | .12 | .05 | 1   |
| RDH-87-18-18 | 1   | 72  | 6   | 20  | .3  | 35   | 11  | 262  | 1.97 | 2   | 5   | ND  | 1   | 26  | 1   | 2   | 2   | 54  | 1.91 | .031 | 2   | 69  | 1.01  | 11  | .22 | 3   | 1.37 | .12 | .04 | 1   |
| RDH-87-18-19 | 1   | 71  | 2   | 22  | .1  | 37   | 12  | 288  | 2.05 | 2   | 5   | ND  | 1   | 41  | 1   | 2   | 2   | 58  | 2.70 | .032 | 2   | 61  | .95   | 13  | .22 | 5   | 1.94 | .19 | .04 | 1   |
| STD C        | 18  | 69  | 37  | 132 | 7.0 | 68   | 30  | 1088 | 4.22 | 42  | 19  | 7   | 37  | 52  | 18  | 17  | 20  | 58  | .46  | .089 | 40  | 61  | .94   | 178 | .09 | 31  | 1.82 | .06 | .14 | 14  |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM  | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-18-20 | 1   | 55  | 7   | 33  | .1  | 50   | 16  | 514  | 2.70 | 2   | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 82  | 3.99 | .035 | 2   | 98   | 1.31  | 13  | .24 | 3   | 1.86 | .15 | .05 | 2   |
| RDH-87-18-21 | 1   | 58  | 9   | 18  | .1  | 31   | 9   | 269  | 1.58 | 2   | 5   | ND  | 1   | 57  | 1   | 2   | 2   | 52  | 2.62 | .032 | 2   | 44   | .87   | 15  | .25 | 5   | 2.33 | .26 | .04 | 3   |
| RDH-87-18-22 | 2   | 67  | 7   | 22  | .1  | 64   | 14  | 315  | 1.86 | 4   | 5   | ND  | 1   | 30  | 1   | 2   | 2   | 52  | 1.94 | .034 | 2   | 63   | 1.16  | 6   | .16 | 4   | 1.50 | .18 | .03 | 3   |
| RDH-87-18-23 | 1   | 71  | 11  | 20  | .1  | 52   | 17  | 284  | 2.22 | 2   | 5   | ND  | 1   | 24  | 1   | 2   | 2   | 40  | 1.91 | .032 | 2   | 58   | 1.05  | 4   | .20 | 5   | 1.49 | .16 | .03 | 3   |
| RDH-87-19-1  | 1   | 67  | 31  | 66  | .1  | 93   | 15  | 543  | 2.96 | 7   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 74  | .65  | .046 | 11  | 187  | 2.27  | 190 | .21 | 3   | 2.14 | .08 | .39 | 5   |
| RDH-87-19-2  | 1   | 41  | 13  | 41  | .1  | 130  | 15  | 311  | 2.08 | 3   | 5   | ND  | 2   | 16  | 1   | 2   | 3   | 38  | .63  | .033 | 7   | 268  | 2.54  | 106 | .14 | 3   | 1.95 | .06 | .21 | 4   |
| RDH-87-19-3  | 1   | 39  | 15  | 36  | .1  | 157  | 17  | 261  | 2.02 | 5   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 29  | .63  | .052 | 8   | 289  | 2.79  | 148 | .14 | 2   | 2.09 | .06 | .17 | 3   |
| RDH-87-19-4  | 1   | 46  | 54  | 52  | .1  | 143  | 16  | 363  | 2.36 | 6   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 51  | .97  | .046 | 11  | 205  | 2.54  | 201 | .20 | 7   | 1.84 | .09 | .27 | 7   |
| RDH-87-19-5  | 1   | 33  | 11  | 35  | .1  | 138  | 17  | 281  | 2.20 | 2   | 5   | ND  | 2   | 19  | 1   | 2   | 2   | 48  | .85  | .067 | 10  | 267  | 2.76  | 126 | .22 | 2   | 1.96 | .09 | .16 | 2   |
| RDH-87-19-6  | 1   | 20  | 5   | 35  | .1  | 138  | 15  | 243  | 1.74 | 2   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 30  | .74  | .053 | 9   | 282  | 2.69  | 81  | .13 | 2   | 1.73 | .08 | .14 | 2   |
| RDH-87-19-7  | 1   | 15  | 4   | 29  | .1  | 106  | 13  | 218  | 1.53 | 2   | 5   | ND  | 1   | 13  | 1   | 2   | 2   | 32  | .65  | .051 | 9   | 228  | 2.17  | 65  | .15 | 2   | 1.42 | .07 | .08 | 2   |
| RDH-87-19-8  | 1   | 16  | 11  | 33  | .1  | 108  | 13  | 239  | 1.62 | 2   | 5   | ND  | 1   | 18  | 1   | 2   | 2   | 36  | .93  | .052 | 8   | 204  | 2.12  | 69  | .15 | 2   | 1.44 | .09 | .13 | 2   |
| RDH-87-19-9  | 1   | 14  | 8   | 44  | .2  | 139  | 16  | 289  | 2.01 | 4   | 5   | ND  | 4   | 20  | 1   | 2   | 2   | 42  | 1.06 | .056 | 10  | 266  | 2.65  | 130 | .19 | 2   | 1.90 | .10 | .24 | 2   |
| RDH-87-19-10 | 1   | 15  | 9   | 48  | .1  | 148  | 16  | 284  | 2.05 | 3   | 5   | ND  | 2   | 15  | 1   | 2   | 2   | 37  | .85  | .054 | 10  | 271  | 2.66  | 62  | .15 | 4   | 1.89 | .08 | .12 | 5   |
| RDH-87-19-11 | 1   | 10  | 8   | 29  | .3  | 110  | 12  | 220  | 1.55 | 3   | 5   | ND  | 3   | 20  | 1   | 2   | 2   | 29  | .96  | .057 | 10  | 180  | 1.89  | 84  | .15 | 5   | 1.50 | .07 | .15 | 3   |
| RDH-87-19-12 | 1   | 13  | 7   | 33  | .1  | 283  | 19  | 281  | 2.32 | 3   | 5   | ND  | 1   | 12  | 1   | 3   | 2   | 44  | .75  | .035 | 7   | 413  | 3.32  | 95  | .19 | 5   | 2.29 | .04 | .17 | 3   |
| RDH-87-19-13 | 1   | 27  | 27  | 37  | .2  | 225  | 19  | 307  | 2.50 | 4   | 5   | ND  | 3   | 19  | 1   | 2   | 2   | 46  | .70  | .034 | 5   | 299  | 3.39  | 143 | .20 | 2   | 2.48 | .06 | .30 | 3   |
| RDH-87-19-14 | 1   | 38  | 10  | 35  | .1  | 192  | 18  | 282  | 2.42 | 6   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 39  | .72  | .031 | 5   | 288  | 3.16  | 189 | .19 | 2   | 2.78 | .12 | .39 | 3   |
| RDH-87-19-15 | 1   | 53  | 9   | 32  | .4  | 164  | 14  | 238  | 2.03 | 2   | 5   | ND  | 4   | 15  | 1   | 3   | 2   | 44  | .67  | .049 | 7   | 267  | 2.62  | 188 | .19 | 6   | 1.92 | .07 | .34 | 3   |
| RDH-87-19-16 | 1   | 33  | 6   | 51  | .1  | 89   | 11  | 396  | 1.91 | 3   | 5   | ND  | 1   | 49  | 1   | 2   | 2   | 49  | 9.23 | .065 | 7   | 150  | 1.17  | 135 | .21 | 3   | 1.27 | .07 | .33 | 1   |
| RDH-87-20-1  | 2   | 13  | 10  | 22  | .1  | 1390 | 58  | 692  | 3.73 | 8   | 5   | ND  | 2   | 2   | 1   | 2   | 2   | 27  | .01  | .001 | 2   | 967  | 12.81 | 14  | .01 | 41  | .44  | .01 | .01 | 1   |
| RDH-87-20-2  | 2   | 13  | 4   | 23  | .1  | 1386 | 58  | 684  | 3.86 | 5   | 5   | ND  | 2   | 3   | 1   | 2   | 2   | 27  | .09  | .001 | 2   | 974  | 13.05 | 14  | .01 | 36  | .41  | .01 | .01 | 2   |
| RDH-87-20-3  | 2   | 22  | 3   | 25  | .1  | 1297 | 56  | 483  | 4.06 | 5   | 5   | ND  | 3   | 2   | 1   | 2   | 2   | 28  | .07  | .002 | 2   | 1034 | 14.40 | 8   | .01 | 32  | .37  | .01 | .01 | 2   |
| RDH-87-20-4  | 1   | 19  | 2   | 21  | .1  | 1039 | 45  | 391  | 3.52 | 5   | 5   | ND  | 3   | 1   | 1   | 2   | 2   | 27  | .06  | .002 | 2   | 916  | 11.87 | 7   | .01 | 33  | .40  | .01 | .01 | 2   |
| RDH-87-20-5  | 1   | 20  | 6   | 22  | .2  | 1205 | 54  | 483  | 3.55 | 3   | 5   | ND  | 2   | 2   | 1   | 2   | 2   | 28  | .25  | .002 | 2   | 981  | 12.99 | 12  | .01 | 32  | .44  | .01 | .01 | 1   |
| RDH-87-20-6  | 2   | 13  | 6   | 24  | .1  | 1334 | 57  | 473  | 4.00 | 6   | 6   | ND  | 2   | 2   | 1   | 2   | 2   | 23  | .17  | .001 | 2   | 915  | 15.78 | 8   | .01 | 49  | .32  | .01 | .01 | 2   |
| RDH-87-20-7  | 1   | 9   | 4   | 17  | .1  | 1377 | 56  | 545  | 3.69 | 7   | 5   | ND  | 1   | 5   | 1   | 2   | 2   | 11  | .25  | .001 | 2   | 500  | 13.81 | 5   | .01 | 66  | .15  | .01 | .01 | 1   |
| RDH-87-20-8  | 2   | 12  | 8   | 22  | .2  | 1506 | 61  | 647  | 3.91 | 2   | 5   | ND  | 5   | 8   | 1   | 2   | 2   | 16  | .27  | .001 | 2   | 670  | 15.66 | 9   | .01 | 65  | .24  | .01 | .02 | 1   |
| RDH-87-20-9  | 2   | 13  | 6   | 23  | .1  | 1417 | 57  | 439  | 3.65 | 7   | 5   | ND  | 1   | 2   | 1   | 2   | 2   | 22  | .02  | .001 | 2   | 813  | 14.20 | 5   | .01 | 67  | .31  | .01 | .01 | 1   |
| RDH-87-20-10 | 1   | 10  | 3   | 12  | .5  | 833  | 34  | 242  | 2.18 | 2   | 5   | ND  | 5   | 1   | 1   | 2   | 2   | 14  | .01  | .001 | 2   | 532  | 7.35  | 3   | .01 | 35  | .21  | .01 | .02 | 1   |
| RDH-87-20-11 | 1   | 7   | 2   | 13  | .1  | 861  | 34  | 298  | 2.18 | 2   | 5   | ND  | 2   | 8   | 1   | 2   | 2   | 15  | .20  | .001 | 2   | 573  | 8.30  | 3   | .01 | 32  | .22  | .01 | .01 | 1   |
| RDH-87-20-12 | 1   | 8   | 2   | 13  | .1  | 753  | 31  | 448  | 1.77 | 2   | 5   | ND  | 3   | 9   | 1   | 2   | 2   | 14  | 1.09 | .001 | 2   | 413  | 7.66  | 4   | .01 | 25  | .33  | .01 | .01 | 1   |
| RDH-87-20-13 | 2   | 9   | 2   | 21  | .1  | 1329 | 54  | 517  | 3.16 | 2   | 5   | ND  | 3   | 8   | 1   | 2   | 2   | 21  | .46  | .001 | 2   | 871  | 15.71 | 3   | .01 | 43  | .36  | .01 | .01 | 1   |
| RDH-87-20-14 | 1   | 15  | 8   | 38  | .3  | 820  | 42  | 596  | 4.11 | 4   | 5   | ND  | 3   | 9   | 1   | 2   | 2   | 78  | .69  | .017 | 2   | 601  | 12.59 | 11  | .08 | 32  | 2.04 | .02 | .03 | 2   |
| RDH-87-20-15 | 1   | 8   | 6   | 43  | .1  | 734  | 40  | 613  | 4.76 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 102 | .89  | .022 | 2   | 469  | 11.94 | 15  | .16 | 24  | 2.44 | .05 | .03 | 1   |
| RDH-87-20-16 | 1   | 14  | 6   | 24  | .1  | 1193 | 54  | 763  | 4.14 | 4   | 5   | ND  | 2   | 16  | 1   | 2   | 2   | 61  | 1.69 | .008 | 2   | 655  | 15.11 | 4   | .03 | 36  | 1.17 | .01 | .01 | 1   |
| STD C        | 19  | 59  | 41  | 128 | 7.4 | 72   | 30  | 1059 | 3.87 | 42  | 18  | 8   | 38  | 48  | 19  | 16  | 22  | 59  | .45  | .085 | 41  | 59   | .91   | 174 | .09 | 33  | 1.91 | .06 | .16 | 13  |

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| SAMPLE#      | MO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>I | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SB<br>PPM | BI<br>PPM | V<br>PPM | CA<br>I | P<br>I | LA<br>PPM | CR<br>PPM | MG<br>I | BA<br>PPM | TI<br>I | B<br>PPM | AL<br>I | NA<br>I | K<br>I | M<br>PPM |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-20-17 | 1         | 8         | 3         | 18        | .4        | 1204      | 51        | 502       | 3.61    | 8         | 6        | ND        | 3         | 15        | 1         | 2         | 2         | 25       | .89     | .003   | 2         | 726       | 12.44   | 4         | .01     | 36       | .37     | .01     | .01    | 1        |
| RDH-87-20-18 | 1         | 13        | 3         | 21        | .5        | 1324      | 56        | 540       | 3.47    | 6         | 8        | ND        | 3         | 17        | 1         | 2         | 2         | 24       | .94     | .002   | 2         | 667       | 13.09   | 6         | .01     | 38       | .40     | .01     | .01    | 1        |
| RDH-87-20-19 | 1         | 13        | 4         | 20        | .5        | 1316      | 55        | 505       | 3.53    | 12        | 5        | ND        | 3         | 14        | 1         | 2         | 2         | 23       | .94     | .002   | 2         | 811       | 13.36   | 4         | .01     | 38       | .33     | .01     | .01    | 2        |
| RDH-87-21-1  | 1         | 16        | 5         | 28        | .3        | 986       | 49        | 614       | 3.39    | 5         | 5        | ND        | 5         | 51        | 1         | 2         | 2         | 49       | 1.72    | .044   | 14        | 590       | 10.80   | 153       | .03     | 15       | 1.28    | .01     | .06    | 1        |
| RDH-87-21-2  | 1         | 20        | 4         | 41        | .2        | 1164      | 59        | 682       | 3.88    | 9         | 5        | ND        | 4         | 51        | 1         | 2         | 2         | 46       | 2.21    | .041   | 12        | 775       | 13.80   | 104       | .05     | 48       | 1.03    | .02     | .05    | 1        |
| RDH-87-21-3  | 1         | 32        | 18        | 52        | .4        | 354       | 33        | 544       | 4.51    | 9         | 5        | ND        | 13        | 89        | 1         | 2         | 2         | 113      | 1.91    | .155   | 43        | 401       | 8.42    | 392       | .14     | 13       | 2.93    | .07     | .17    | 1        |
| RDH-87-21-4  | 1         | 30        | 7         | 29        | .2        | 1118      | 55        | 976       | 3.52    | 4         | 5        | ND        | 2         | 50        | 1         | 2         | 2         | 41       | 3.18    | .007   | 2         | 628       | 14.45   | 13        | .01     | 39       | 1.90    | .01     | .02    | 1        |
| RDH-87-21-5  | 2         | 13        | 3         | 32        | .4        | 1413      | 60        | 575       | 3.55    | 5         | 5        | ND        | 3         | 14        | 1         | 2         | 2         | 22       | .54     | .004   | 2         | 664       | 16.46   | 9         | .01     | 48       | .66     | .01     | .01    | 1        |
| RDH-87-21-6  | 1         | 12        | 2         | 28        | .2        | 1318      | 60        | 707       | 3.53    | 6         | 5        | ND        | 1         | 49        | 1         | 2         | 2         | 34       | 2.24    | .003   | 2         | 749       | 15.13   | 8         | .01     | 40       | .93     | .01     | .01    | 1        |
| RDH-87-21-7  | 1         | 23        | 5         | 30        | .1        | 1046      | 51        | 778       | 3.66    | 5         | 5        | ND        | 2         | 40        | 1         | 2         | 2         | 53       | 2.49    | .015   | 3         | 782       | 12.29   | 24        | .02     | 28       | 1.76    | .01     | .01    | 1        |
| RDH-87-21-8  | 1         | 24        | 2         | 38        | .1        | 922       | 49        | 866       | 4.04    | 5         | 5        | ND        | 1         | 57        | 1         | 2         | 2         | 68       | 3.95    | .017   | 2         | 746       | 11.75   | 16        | .05     | 25       | 2.00    | .01     | .01    | 1        |
| RDH-87-21-9  | 1         | 19        | 7         | 41        | .1        | 1367      | 60        | 702       | 3.67    | 4         | 5        | ND        | 2         | 31        | 1         | 2         | 2         | 37       | 1.70    | .014   | 3         | 632       | 14.31   | 56        | .03     | 37       | 1.08    | .01     | .06    | 1        |
| RDH-87-21-10 | 1         | 51        | 34        | 63        | .1        | 232       | 28        | 608       | 4.30    | 9         | 5        | ND        | 7         | 95        | 1         | 2         | 2         | 107      | 2.19    | .194   | 28        | 277       | 4.86    | 998       | .39     | 6        | 2.65    | .08     | .87    | 1        |
| RDH-87-21-11 | 1         | 56        | 16        | 64        | .2        | 209       | 27        | 531       | 4.04    | 4         | 5        | ND        | 7         | 122       | 1         | 2         | 2         | 99       | 1.86    | .233   | 28        | 214       | 4.13    | 1220      | .45     | 8        | 2.60    | .14     | 1.12   | 1        |
| RDH-87-21-12 | 1         | 60        | 15        | 69        | .1        | 232       | 29        | 558       | 4.10    | 6         | 5        | ND        | 6         | 124       | 1         | 2         | 2         | 100      | 1.94    | .229   | 29        | 239       | 4.43    | 1189      | .44     | 7        | 2.61    | .14     | 1.10   | 1        |
| RDH-87-21-13 | 1         | 46        | 12        | 68        | .1        | 204       | 27        | 563       | 4.31    | 2         | 5        | ND        | 7         | 102       | 1         | 2         | 2         | 105      | 1.50    | .218   | 26        | 220       | 4.57    | 1266      | .45     | 7        | 2.80    | .11     | 1.27   | 1        |
| RDH-87-21-14 | 1         | 28        | 19        | 63        | .1        | 318       | 28        | 630       | 4.40    | 6         | 5        | ND        | 5         | 71        | 1         | 2         | 2         | 101      | 1.62    | .122   | 17        | 322       | 7.62    | 573       | .22     | 6        | 3.23    | .07     | .47    | 1        |
| RDH-87-21-15 | 1         | 46        | 14        | 65        | .1        | 208       | 27        | 540       | 4.10    | 2         | 5        | ND        | 6         | 117       | 1         | 2         | 2         | 99       | 1.73    | .220   | 24        | 262       | 4.61    | 1208      | .42     | 4        | 2.83    | .11     | 1.16   | 1        |
| RDH-87-21-16 | 1         | 48        | 9         | 65        | .3        | 181       | 27        | 542       | 4.29    | 2         | 5        | ND        | 7         | 110       | 1         | 2         | 2         | 105      | 1.49    | .213   | 23        | 226       | 4.95    | 1081      | .40     | 3        | 2.90    | .13     | 1.02   | 1        |
| RDH-87-21-17 | 1         | 23        | 9         | 44        | .1        | 808       | 49        | 825       | 4.06    | 5         | 5        | ND        | 4         | 63        | 1         | 2         | 2         | 68       | 2.92    | .087   | 12        | 721       | 9.83    | 436       | .16     | 51       | 1.98    | .03     | .37    | 1        |
| RDH-87-21-18 | 1         | 15        | 2         | 24        | .2        | 1363      | 44        | 616       | 3.28    | 4         | 5        | ND        | 1         | 24        | 1         | 2         | 2         | 29       | 1.99    | .007   | 2         | 915       | 13.57   | 29        | .01     | 94       | .63     | .01     | .04    | 1        |
| RDH-87-21-19 | 2         | 12        | 2         | 25        | .1        | 1465      | 67        | 554       | 3.50    | 6         | 5        | ND        | 1         | 15        | 1         | 2         | 2         | 31       | 1.11    | .006   | 2         | 1070      | 14.87   | 18        | .01     | 59       | .64     | .01     | .02    | 1        |
| RDH-87-21-20 | 2         | 29        | 2         | 24        | .3        | 1471      | 67        | 546       | 3.63    | 8         | 5        | ND        | 3         | 12        | 1         | 2         | 2         | 37       | .82     | .001   | 2         | 1364      | 15.98   | 7         | .01     | 70       | .74     | .01     | .02    | 1        |
| RDH-87-21-21 | 2         | 27        | 2         | 27        | .1        | 1534      | 70        | 549       | 3.46    | 7         | 5        | ND        | 1         | 16        | 1         | 2         | 2         | 34       | .95     | .009   | 2         | 1065      | 15.33   | 43        | .02     | 45       | .73     | .01     | .04    | 1        |
| RDH-87-21-22 | 1         | 19        | 5         | 26        | .5        | 1531      | 70        | 607       | 3.61    | 6         | 5        | ND        | 3         | 21        | 1         | 2         | 2         | 31       | 1.69    | .006   | 2         | 1123      | 14.62   | 27        | .01     | 63       | .65     | .01     | .03    | 1        |
| RDH-87-21-23 | 2         | 15        | 4         | 40        | .2        | 1345      | 63        | 647       | 4.35    | 7         | 5        | ND        | 4         | 17        | 1         | 2         | 2         | 54       | 1.16    | .034   | 4         | 825       | 13.29   | 18        | .02     | 47       | 1.16    | .02     | .04    | 1        |
| RDH-87-21-24 | 2         | 16        | 6         | 56        | .1        | 964       | 47        | 669       | 4.72    | 3         | 6        | ND        | 3         | 14        | 1         | 2         | 2         | 78       | .56     | .064   | 7         | 383       | 11.16   | 30        | .04     | 34       | 1.67    | .03     | .06    | 1        |
| RDH-87-22-1  | 1         | 41        | 7         | 39        | .1        | 1319      | 58        | 529       | 3.93    | 4         | 5        | ND        | 3         | 7         | 1         | 3         | 2         | 41       | .44     | .009   | 2         | 736       | 13.95   | 19        | .04     | 20       | .79     | .03     | .02    | 1        |
| RDH-87-22-2  | 1         | 31        | 2         | 40        | .2        | 333       | 26        | 498       | 3.84    | 2         | 5        | ND        | 3         | 8         | 1         | 2         | 2         | 109      | 1.34    | .034   | 2         | 258       | 3.65    | 11        | .17     | 6        | 1.86    | .18     | .04    | 1        |
| RDH-87-22-3  | 1         | 40        | 13        | 47        | .1        | 412       | 29        | 473       | 3.65    | 12        | 5        | ND        | 2         | 14        | 1         | 2         | 2         | 91       | 1.30    | .041   | 3         | 309       | 4.17    | 43        | .16     | 7        | 1.54    | .15     | .05    | 2        |
| RDH-87-22-4  | 1         | 65        | 7         | 40        | .1        | 170       | 19        | 461       | 3.73    | 2         | 5        | ND        | 1         | 19        | 1         | 2         | 2         | 126      | 1.69    | .048   | 2         | 102       | 1.79    | 36        | .24     | 14       | 1.67    | .24     | .05    | 1        |
| RDH-87-22-5  | 1         | 69        | 5         | 31        | .1        | 88        | 19        | 408       | 3.25    | 2         | 5        | ND        | 1         | 14        | 1         | 2         | 2         | 108      | 1.61    | .041   | 2         | 62        | 1.33    | 24        | .24     | 3        | 1.43    | .22     | .03    | 2        |
| RDH-87-22-6  | 1         | 63        | 3         | 30        | .1        | 67        | 18        | 427       | 3.31    | 3         | 5        | ND        | 1         | 25        | 1         | 2         | 2         | 116      | 1.79    | .045   | 2         | 61        | 1.31    | 42        | .24     | 3        | 1.56    | .24     | .04    | 1        |
| RDH-87-22-7  | 1         | 57        | 6         | 44        | .1        | 65        | 18        | 475       | 3.70    | 2         | 5        | ND        | 2         | 30        | 1         | 2         | 2         | 122      | 1.89    | .041   | 2         | 52        | 1.47    | 38        | .27     | 5        | 1.80    | .23     | .03    | 1        |
| RDH-87-22-8  | 1         | 50        | 7         | 38        | .3        | 64        | 18        | 490       | 3.63    | 2         | 5        | ND        | 2         | 23        | 1         | 2         | 3         | 122      | 2.10    | .041   | 2         | 62        | 1.59    | 36        | .26     | 3        | 1.77    | .26     | .05    | 1        |
| RDH-87-22-9  | 1         | 59        | 2         | 27        | .2        | 33        | 13        | 368       | 2.89    | 2         | 5        | ND        | 2         | 18        | 1         | 2         | 2         | 100      | 1.51    | .043   | 2         | 39        | 1.01    | 42        | .19     | 5        | 1.32    | .21     | .04    | 1        |
| STD C        | 19        | 59        | 39        | 133       | 7.6       | 69        | 31        | 1072      | 4.08    | 37        | 17       | 8         | 40        | 47        | 19        | 16        | 20        | 60       | .46     | .084   | 41        | 58        | .87     | 181       | .08     | 34       | 1.85    | .06     | .14    | 13       |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZH  | AS  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPH | PPM | PPM | PPM | PPH | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-22-10 | 1   | 58  | 6   | 34  | .1  | 31   | 15  | 393  | 3.40 | 3   | 5   | ND  | 1   | 17  | 1   | 2   | 2   | 98  | 1.17 | .046 | 2   | 39  | 1.43  | 24  | .18 | 2   | 1.50 | .13 | .02 | 1   |
| RDH-87-22-11 | 1   | 50  | 9   | 40  | .1  | 26   | 18  | 440  | 3.83 | 3   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 114 | 1.36 | .045 | 2   | 42  | 1.53  | 26  | .23 | 2   | 1.63 | .15 | .01 | 2   |
| RDH-87-22-12 | 1   | 48  | 2   | 34  | .1  | 35   | 14  | 355  | 3.00 | 3   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 100 | 1.48 | .044 | 2   | 41  | 1.23  | 16  | .21 | 2   | 1.33 | .19 | .02 | 1   |
| RDH-87-22-13 | 1   | 36  | 6   | 32  | .1  | 33   | 13  | 300  | 2.75 | 4   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 92  | 1.25 | .046 | 2   | 34  | .98   | 14  | .19 | 3   | 1.12 | .17 | .01 | 1   |
| RDH-87-22-14 | 1   | 62  | 7   | 44  | .1  | 32   | 18  | 416  | 4.00 | 2   | 5   | ND  | 1   | 13  | 1   | 2   | 2   | 144 | 1.53 | .054 | 2   | 35  | 1.26  | 23  | .22 | 2   | 1.52 | .23 | .04 | 1   |
| RDH-87-22-15 | 1   | 53  | 7   | 37  | .1  | 100  | 17  | 390  | 3.45 | 3   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 106 | 1.43 | .044 | 2   | 79  | 1.75  | 19  | .21 | 2   | 1.44 | .18 | .03 | 1   |
| RDH-87-22-16 | 1   | 54  | 9   | 36  | .1  | 25   | 15  | 388  | 3.45 | 3   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 110 | 2.17 | .045 | 2   | 32  | 1.13  | 13  | .17 | 2   | 1.34 | .16 | .02 | 1   |
| RDH-87-22-17 | 1   | 51  | 6   | 35  | .1  | 45   | 15  | 365  | 3.25 | 5   | 5   | ND  | 1   | 13  | 1   | 2   | 2   | 100 | 1.47 | .044 | 2   | 48  | 1.26  | 19  | .20 | 2   | 1.34 | .19 | .03 | 1   |
| RDH-87-22-18 | 1   | 46  | 9   | 35  | .1  | 218  | 19  | 357  | 3.19 | 2   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 91  | 1.32 | .039 | 2   | 145 | 2.18  | 25  | .18 | 2   | 1.47 | .16 | .03 | 1   |
| RDH-87-22-19 | 1   | 47  | 14  | 37  | .1  | 41   | 11  | 301  | 2.64 | 3   | 5   | ND  | 1   | 10  | 1   | 2   | 2   | 87  | 1.22 | .042 | 2   | 44  | 1.04  | 22  | .14 | 2   | 1.12 | .17 | .02 | 1   |
| RDH-87-22-20 | 1   | 49  | 5   | 39  | .1  | 28   | 13  | 359  | 3.27 | 2   | 5   | ND  | 1   | 14  | 1   | 3   | 2   | 99  | 1.62 | .041 | 2   | 43  | 1.19  | 47  | .19 | 2   | 1.34 | .15 | .04 | 1   |
| RDH-87-22-21 | 1   | 48  | 9   | 31  | .1  | 89   | 14  | 312  | 2.72 | 2   | 5   | ND  | 1   | 15  | 1   | 3   | 4   | 85  | 1.30 | .037 | 2   | 62  | 1.68  | 30  | .17 | 4   | 1.25 | .17 | .03 | 1   |
| RDH-87-22-22 | 1   | 43  | 3   | 31  | .3  | 155  | 15  | 313  | 2.63 | 2   | 6   | ND  | 2   | 12  | 1   | 3   | 3   | 76  | 1.10 | .031 | 2   | 99  | 2.28  | 44  | .16 | 4   | 1.19 | .16 | .05 | 1   |
| RDH-87-23-1  | 1   | 24  | 10  | 27  | .1  | 1532 | 67  | 552  | 4.09 | 10  | 5   | ND  | 3   | 4   | 1   | 2   | 2   | 26  | .22  | .004 | 2   | 765 | 13.85 | 13  | .01 | 38  | .38  | .01 | .02 | 1   |
| RDH-87-23-2  | 2   | 23  | 19  | 32  | .4  | 1409 | 61  | 397  | 3.69 | 13  | 8   | ND  | 3   | 2   | 1   | 2   | 2   | 25  | .08  | .003 | 2   | 774 | 13.04 | 9   | .01 | 34  | .35  | .01 | .02 | 2   |
| RDH-87-23-3  | 1   | 34  | 6   | 27  | .1  | 1465 | 65  | 488  | 4.06 | 8   | 5   | ND  | 2   | 1   | 1   | 2   | 2   | 25  | .05  | .003 | 2   | 601 | 14.34 | 17  | .01 | 31  | .44  | .01 | .01 | 1   |
| RDH-87-23-4  | 1   | 34  | 4   | 34  | .1  | 450  | 28  | 448  | 3.61 | 4   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 81  | 1.36 | .040 | 2   | 189 | 4.31  | 12  | .15 | 9   | 1.57 | .15 | .03 | 1   |
| RDH-87-23-5  | 1   | 19  | 7   | 47  | .1  | 404  | 28  | 526  | 3.96 | 2   | 5   | ND  | 1   | 11  | 1   | 2   | 2   | 96  | 1.65 | .042 | 2   | 192 | 4.30  | 17  | .21 | 10  | 1.59 | .19 | .04 | 2   |
| RDH-87-23-6  | 1   | 33  | 3   | 29  | .3  | 1011 | 47  | 454  | 3.51 | 5   | 8   | ND  | 4   | 7   | 1   | 2   | 2   | 39  | .48  | .014 | 2   | 429 | 9.73  | 9   | .07 | 17  | .69  | .05 | .03 | 1   |
| RDH-87-23-7  | 1   | 19  | 2   | 22  | .1  | 1419 | 61  | 581  | 3.93 | 3   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 23  | .56  | .003 | 2   | 583 | 12.89 | 4   | .02 | 29  | .33  | .01 | .01 | 2   |
| RDH-87-23-8  | 1   | 18  | 3   | 22  | .1  | 1467 | 70  | 559  | 4.20 | 8   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 19  | .37  | .003 | 2   | 534 | 13.81 | 2   | .01 | 30  | .21  | .01 | .01 | 1   |
| RDH-87-23-9  | 2   | 16  | 6   | 29  | .2  | 1490 | 64  | 580  | 4.00 | 5   | 5   | ND  | 2   | 10  | 1   | 2   | 2   | 32  | .38  | .004 | 2   | 703 | 15.99 | 19  | .01 | 42  | .57  | .01 | .01 | 1   |
| RDH-87-23-10 | 1   | 17  | 2   | 33  | .1  | 1235 | 58  | 588  | 4.22 | 2   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 57  | 2.07 | .016 | 2   | 658 | 12.20 | 4   | .02 | 31  | .96  | .01 | .01 | 1   |
| RDH-87-23-11 | 1   | 6   | 7   | 55  | .1  | 149  | 28  | 736  | 6.07 | 2   | 5   | ND  | 1   | 30  | 1   | 2   | 2   | 204 | 3.84 | .048 | 2   | 103 | 4.34  | 8   | .15 | 2   | 3.11 | .10 | .03 | 1   |
| RDH-87-23-12 | 1   | 14  | 7   | 36  | .1  | 303  | 24  | 518  | 3.65 | 2   | 5   | ND  | 1   | 20  | 1   | 2   | 2   | 103 | 3.07 | .038 | 2   | 122 | 3.59  | 7   | .20 | 5   | 1.85 | .14 | .03 | 1   |
| RDH-87-23-13 | 2   | 24  | 4   | 31  | .1  | 1289 | 58  | 610  | 4.11 | 4   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 46  | 1.33 | .006 | 2   | 696 | 15.88 | 2   | .02 | 46  | .93  | .01 | .01 | 2   |
| RDH-87-23-14 | 2   | 24  | 4   | 30  | .1  | 1438 | 65  | 455  | 4.01 | 7   | 5   | ND  | 1   | 13  | 1   | 2   | 2   | 24  | 1.23 | .004 | 2   | 647 | 16.55 | 1   | .01 | 46  | .44  | .01 | .01 | 9   |
| RDH-87-23-15 | 1   | 67  | 4   | 26  | .1  | 1306 | 53  | 431  | 3.15 | 2   | 5   | ND  | 1   | 23  | 1   | 2   | 2   | 37  | 2.33 | .006 | 2   | 702 | 9.95  | 2   | .02 | 21  | 1.32 | .01 | .01 | 1   |
| RDH-87-23-16 | 1   | 65  | 6   | 26  | .2  | 1163 | 45  | 338  | 2.92 | 2   | 5   | ND  | 1   | 15  | 1   | 2   | 2   | 38  | 1.21 | .005 | 2   | 566 | 8.46  | 2   | .02 | 17  | 1.19 | .01 | .02 | 1   |
| RDH-87-23-17 | 1   | 38  | 2   | 45  | .1  | 883  | 44  | 494  | 4.18 | 2   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 74  | .97  | .044 | 6   | 614 | 10.89 | 45  | .08 | 13  | 2.24 | .01 | .05 | 1   |
| RDH-87-23-18 | 1   | 34  | 14  | 68  | .1  | 602  | 42  | 691  | 5.35 | 2   | 5   | ND  | 3   | 32  | 1   | 2   | 2   | 120 | 1.23 | .098 | 8   | 359 | 11.54 | 12  | .09 | 15  | 3.37 | .02 | .02 | 1   |
| RDH-87-23-19 | 1   | 25  | 8   | 37  | .4  | 1260 | 56  | 535  | 4.19 | 6   | 5   | ND  | 2   | 22  | 1   | 2   | 2   | 44  | 1.13 | .024 | 2   | 726 | 15.71 | 7   | .03 | 40  | 1.05 | .01 | .02 | 1   |
| RDH-87-23-20 | 1   | 31  | 9   | 31  | .1  | 1324 | 58  | 470  | 3.92 | 5   | 5   | ND  | 1   | 19  | 1   | 2   | 2   | 36  | 1.16 | .007 | 2   | 641 | 14.80 | 5   | .03 | 32  | .70  | .01 | .01 | 1   |
| RDH-87-23-21 | 1   | 41  | 3   | 25  | .1  | 1616 | 68  | 379  | 3.87 | 7   | 5   | ND  | 2   | 19  | 1   | 2   | 2   | 20  | .78  | .004 | 2   | 529 | 12.81 | 2   | .01 | 24  | .30  | .01 | .01 | 1   |
| RDH-87-23-22 | 1   | 23  | 5   | 23  | .1  | 1557 | 66  | 451  | 3.79 | 6   | 5   | ND  | 1   | 24  | 1   | 2   | 2   | 20  | .67  | .003 | 2   | 633 | 11.83 | 2   | .01 | 24  | .30  | .01 | .01 | 1   |
| RDH-87-23-23 | 1   | 24  | 3   | 25  | .3  | 1538 | 65  | 620  | 3.79 | 11  | 5   | ND  | 5   | 24  | 1   | 2   | 2   | 22  | .57  | .004 | 2   | 584 | 12.30 | 2   | .01 | 27  | .35  | .01 | .01 | 1   |
| STD C        | 18  | 61  | 41  | 133 | 7.2 | 67   | 29  | 1023 | 4.09 | 42  | 16  | 8   | 39  | 52  | 19  | 16  | 22  | 58  | .45  | .082 | 39  | 61  | .91   | 181 | .09 | 31  | 1.88 | .06 | .13 | 11  |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPH | CU<br>PPH | PB<br>PPH | ZN<br>PPH | AS<br>PPH | NI<br>PPH | CO<br>PPH | MN<br>PPH | FE<br>% | AS<br>PPH | U<br>PPH | AU<br>PPH | TH<br>PPH | SR<br>PPH | CD<br>PPH | SB<br>PPH | BI<br>PPH | V<br>PPH | CA<br>% | P<br>% | LA<br>PPH | CR<br>PPH | HG<br>% | BA<br>PPH | TI<br>% | B<br>PPH | AL<br>% | NA<br>% | K<br>% | M<br>PPH |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-23-24 | 1         | 19        | 2         | 26        | .4        | 1408      | 64        | 589       | 3.92    | *         | 5        | ND        | 2         | 8         | 1         | 2         | 3         | 23       | .30     | .004   | 2         | 557       | 12.03   | 5         | .02     | 29       | .35     | .01     | .02    | 1        |
| RDH-87-24-1  | 1         | 24        | 2         | 25        | .1        | 1221      | 51        | 787       | 2.65    | 73        | 5        | ND        | 2         | 62        | 1         | 2         | 2         | 12       | 3.84    | .006   | 2         | 437       | 7.62    | 10        | .01     | 14       | .28     | .01     | .03    | 1        |
| RDH-87-24-2  | 1         | 34        | 3         | 26        | .1        | 636       | 34        | 388       | 2.36    | 9         | 5        | ND        | 1         | 33        | 1         | 2         | 3         | 37       | 1.74    | .029   | 4         | 412       | 4.31    | 21        | .03     | 5        | 1.20    | .01     | .02    | 1        |
| RDH-87-25-1  | 1         | 9         | 17        | 29        | .3        | 703       | 35        | 631       | 3.48    | 10        | 5        | ND        | 3         | 33        | 1         | 2         | 2         | 20       | 1.42    | .004   | 2         | 566       | 11.54   | 14        | .01     | 2        | .27     | .01     | .03    | 1        |
| RDH-87-25-2  | 1         | 10        | 14        | 23        | .4        | 870       | 40        | 633       | 3.82    | 6         | 7        | ND        | 2         | 31        | 1         | 2         | 2         | 24       | 1.62    | .003   | 2         | 806       | 13.43   | 17        | .01     | 2        | .36     | .01     | .03    | 1        |
| RDH-87-25-3  | 1         | 29        | 16        | 23        | 27.1      | 1017      | 45        | 784       | 3.66    | 455       | 5        | 2         | 1         | 128       | 1         | 49        | 2         | 12       | 2.36    | .002   | 2         | 294       | 13.37   | 13        | .01     | 3        | .13     | .01     | .02    | 1        |
| RDH-87-25-4  | 1         | 32        | 16        | 17        | 5.2       | 931       | 47        | 792       | 3.45    | 254       | 5        | 7         | 1         | 120       | 1         | 14        | 2         | 15       | 1.85    | .002   | 2         | 546       | 13.85   | 15        | .01     | 4        | .27     | .01     | .01    | 1        |
| RDH-87-25-5  | 1         | 16        | 7         | 19        | .7        | 836       | 45        | 671       | 3.93    | 19        | 5        | ND        | 3         | 48        | 1         | 2         | 2         | 25       | 1.36    | .002   | 2         | 776       | 13.41   | 101       | .01     | 2        | .38     | .01     | .03    | 1        |
| RDH-87-25-6  | 1         | 15        | 10        | 18        | .6        | 1015      | 45        | 582       | 3.54    | 37        | 5        | ND        | 2         | 197       | 1         | 5         | 2         | 14       | 4.60    | .002   | 2         | 283       | 10.13   | 19        | .01     | 6        | .09     | .01     | .02    | 1        |
| RDH-87-25-7  | 1         | 9         | 5         | 23        | .2        | 1340      | 57        | 685       | 4.09    | 27        | 5        | ND        | 1         | 257       | 1         | 5         | 2         | 16       | 5.53    | .002   | 2         | 313       | 12.50   | 15        | .01     | 2        | .07     | .01     | .02    | 2        |
| RDH-87-25-8  | 1         | 30        | 2         | 20        | .4        | 1284      | 57        | 61*       | 4.14    | 38        | 5        | ND        | 2         | 424       | 1         | 10        | 2         | 18       | 7.77    | .001   | 2         | 340       | 11.13   | 21        | .01     | 4        | .07     | .01     | .02    | 1        |
| RDH-87-25-9  | 1         | 7         | 18        | 21        | .6        | 1327      | 56        | 700       | 4.05    | 42        | 5        | ND        | 3         | 197       | 1         | 9         | 2         | 16       | 4.25    | .002   | 2         | 303       | 12.47   | 15        | .01     | 2        | .08     | .01     | .03    | 1        |
| RDH-87-25-10 | 1         | 12        | 11        | 23        | .1        | 768       | 44        | 670       | 3.82    | 4         | 5        | ND        | 1         | 51        | 1         | 2         | 2         | 22       | 1.41    | .003   | 2         | 766       | 13.12   | 13        | .01     | 5        | .37     | .01     | .03    | 1        |
| RDH-87-25-11 | 1         | 15        | 3         | 17        | .6        | 939       | 49        | 727       | 4.14    | 17        | 5        | ND        | 2         | 46        | 1         | 2         | 2         | 20       | 1.59    | .002   | 2         | 622       | 13.61   | 18        | .01     | 2        | .27     | .01     | .02    | 1        |
| RDH-87-25-12 | 1         | 18        | 2         | 18        | .3        | 1233      | 57        | 602       | 4.12    | 32        | 5        | ND        | 1         | 134       | 1         | 12        | 2         | 15       | 2.77    | .003   | 2         | 275       | 13.98   | 19        | .01     | 4        | .11     | .01     | .03    | 1        |
| RDH-87-25-13 | 1         | 18        | 5         | 22        | 1.1       | 1241      | 56        | 763       | 3.82    | 155       | 5        | ND        | 1         | 190       | 1         | 26        | 2         | 13       | 4.17    | .002   | 2         | 262       | 12.61   | 15        | .01     | 3        | .07     | .01     | .02    | 1        |
| RDH-87-25-14 | 1         | 15        | 18        | 108       | 7.2       | 1334      | 59        | 2206      | 3.74    | 1274      | 5        | ND        | 1         | 248       | 1         | 277       | 2         | 9        | 5.84    | .001   | 2         | 228       | 7.32    | 10        | .01     | 2        | .07     | .01     | .03    | 1        |
| RDH-87-25-15 | 1         | 29        | 78        | 109       | 56.9      | 1033      | 46        | 1156      | 3.20    | 730       | 6        | ND        | 1         | 288       | 1         | 180       | 2         | 9        | 6.22    | .002   | 2         | 177       | 9.94    | 10        | .01     | 3        | .06     | .01     | .03    | 2        |
| RDH-87-25-16 | 1         | 9         | 7         | 22        | 2.2       | 1059      | 48        | 654       | 3.17    | 317       | 5        | ND        | 1         | 156       | 1         | 39        | 2         | 7        | 3.47    | .002   | 2         | 159       | 11.57   | 9         | .01     | 5        | .05     | .01     | .02    | 2        |
| RDH-87-25-17 | 1         | 10        | 2         | 20        | 2.3       | 915       | 43        | 477       | 2.72    | 198       | 5        | ND        | 1         | 157       | 1         | 23        | 2         | 5        | 2.70    | .002   | 2         | 133       | 9.47    | 13        | .01     | 2        | .04     | .01     | .02    | 3        |
| RDH-87-25-18 | 1         | 19        | 17        | 30        | 2.6       | 1143      | 50        | 503       | 3.08    | 182       | 5        | ND        | 2         | 158       | 1         | 24        | 2         | 6        | 2.82    | .001   | 2         | 149       | 11.00   | 10        | .01     | 2        | .05     | .01     | .03    | 3        |
| RDH-87-25-19 | 1         | 12        | 1         | 33        | .9        | 1342      | 59        | 593       | 3.83    | 154       | 5        | ND        | 2         | 107       | 1         | 10        | 2         | 6        | 2.40    | .002   | 2         | 187       | 14.54   | 10        | .01     | 5        | .05     | .01     | .03    | 1        |
| RDH-87-25-20 | 1         | 10        | 2         | 28        | .7        | 1365      | 60        | 755       | 3.81    | 255       | 5        | ND        | 1         | 207       | 1         | 20        | 2         | 5        | 3.42    | .001   | 2         | 191       | 14.07   | 13        | .01     | 5        | .05     | .01     | .01    | 1        |
| RDH-87-25-21 | 2         | 50        | 6         | 43        | 1.4       | 372       | 28        | 739       | 4.63    | 92        | 5        | ND        | 2         | 137       | 1         | 15        | 2         | 72       | 4.16    | .023   | 2         | 104       | 5.10    | 79        | .08     | 3        | .61     | .03     | .06    | 1        |
| RDH-87-25-22 | 1         | 55        | 5         | 49        | .7        | 239       | 22        | 530       | 3.25    | 45        | 5        | ND        | 1         | 74        | 1         | 9         | 2         | 59       | 2.53    | .020   | 2         | 93        | 3.12    | 67        | .11     | 4        | .79     | .06     | .06    | 1        |
| RDH-87-25-23 | 1         | 65        | 2         | 64        | .3        | 62        | 27        | 1099      | 6.80    | 7         | 5        | ND        | 1         | 125       | 1         | 2         | 2         | 124      | 4.31    | .023   | 2         | 87        | 3.10    | 46        | .03     | 2        | .54     | .02     | .04    | 1        |
| RDH-87-25-24 | 1         | 64        | 2         | 58        | .3        | 56        | 25        | 111       | 5.47    | 3         | 5        | ND        | 1         | 68        | 1         | 2         | 3         | 123      | 2.50    | .023   | 2         | 53        | 2.28    | 77        | .06     | 3        | .85     | .03     | .05    | 1        |
| RDH-87-25-25 | 1         | 62        | 13        | 44        | .7        | 51        | 21        | 572       | 4.25    | 2         | 5        | ND        | 2         | 28        | 1         | 2         | 3         | 94       | 1.37    | .025   | 2         | 66        | 1.67    | 59        | .09     | 2        | .90     | .05     | .06    | 1        |
| RDH-87-25-26 | 1         | 62        | 3         | 32        | .4        | 42        | 13        | 432       | 2.85    | 2         | 5        | ND        | 1         | 28        | 1         | 2         | 3         | 60       | 1.51    | .022   | 2         | 80        | 1.39    | 41        | .10     | 5        | .96     | .07     | .04    | 1        |
| RDH-87-25-27 | 1         | 53        | 4         | 41        | .2        | 48        | 19        | 497       | 3.94    | 4         | 5        | ND        | 1         | 28        | 1         | 2         | 2         | 88       | 1.32    | .026   | 2         | 40        | 1.49    | 56        | .13     | 2        | .88     | .06     | .16    | 1        |
| RDH-87-25-28 | 1         | 62        | 3         | 63        | .6        | 51        | 25        | 791       | 5.34    | 26        | 5        | ND        | 1         | 104       | 1         | 2         | 2         | 96       | 3.30    | .029   | 2         | 58        | 2.56    | 87        | .08     | 2        | .71     | .04     | .09    | 1        |
| RDH-87-25-29 | 1         | 61        | 3         | 58        | 1.0       | 45        | 25        | 891       | 5.67    | 67        | 5        | ND        | 1         | 106       | 1         | 2         | 2         | 97       | 4.11    | .031   | 2         | 51        | 2.67    | 87        | .05     | 5        | 1.05    | .04     | .11    | 1        |
| RDH-87-25-30 | 1         | 62        | 2         | 77        | .1        | 60        | 30        | 997       | 6.73    | 14        | 5        | ND        | 1         | 104       | 1         | 2         | 2         | 132      | 3.87    | .033   | 2         | 60        | 3.39    | 76        | .02     | 5        | .72     | .03     | .15    | 1        |
| RDH-87-25-31 | 1         | 63        | 7         | 60        | .5        | 64        | 25        | 873       | 5.72    | 12        | 5        | ND        | 1         | 74        | 1         | 2         | 2         | 102      | 2.78    | .029   | 2         | 68        | 2.75    | 96        | .10     | 3        | 1.08    | .07     | .11    | 1        |
| RDH-87-25-32 | 1         | 52        | 7         | 85        | 1.7       | 68        | 21        | 1007      | 5.26    | 374       | 5        | ND        | 2         | 163       | 1         | 8         | 2         | 68       | 4.89    | .013   | 2         | 49        | 3.31    | 47        | .01     | 3        | .50     | .01     | .07    | 1        |
| RDH-87-25-33 | 1         | 51        | 5         | 86        | .2        | 66        | 25        | 918       | 5.55    | 98        | 5        | ND        | 1         | 166       | 1         | 4         | 2         | 103      | 4.46    | .020   | 2         | 86        | 3.33    | 100       | .05     | 4        | .84     | .02     | .16    | 1        |
| STD C        | 18        | 60        | 35        | 132       | 7.3       | 67        | 29        | 1041      | 4.14    | 42        | 16       | 1         | 38        | 52        | 18        | 17        | 18        | 53       | .45     | .088   | 40        | 64        | .93     | 178       | .09     | 32       | 1.80    | .06     | .14    | 12       |

1/5/57A  
 PC. 5710  
 Connolly  
 Property  
 11. BC. 104N. 1:  
 PAR -

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA    | P    | LA  | CR  | HG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I     | I    | PPM | PPM | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-25-34 | 1   | 57  | 8   | 60  | .5  | 67   | 24  | 895  | 5.34 | 36  | 5   | ND  | 2   | 113 | 1   | 3   | 2   | 106 | 3.74  | .025 | 2   | 82  | 2.80  | 89  | .07 | 3   | .95  | .05 | .16 | 1   |
| RDH-87-25-35 | 1   | 81  | 3   | 47  | .1  | 56   | 23  | 645  | 4.23 | 12  | 5   | ND  | 1   | 45  | 1   | 2   | 3   | 89  | 2.29  | .022 | 2   | 84  | 1.79  | 59  | .13 | 4   | 1.27 | .11 | .10 | 1   |
| RDH-87-25-36 | 1   | 75  | 3   | 38  | .1  | 48   | 20  | 554  | 3.64 | 7   | 5   | ND  | 1   | 38  | 1   | 2   | 6   | 77  | 1.94  | .025 | 2   | 66  | 1.47  | 39  | .12 | 2   | 1.04 | .09 | .08 | 1   |
| RDH-87-26-1  | 1   | 19  | 16  | 30  | .3  | 458  | 23  | 462  | 3.39 | 29  | 5   | ND  | 3   | 264 | 1   | 5   | 2   | 31  | 6.13  | .020 | 4   | 277 | 7.43  | 45  | .05 | 2   | .49  | .01 | .04 | 1   |
| RDH-87-26-2  | 1   | 11  | 8   | 21  | 1.5 | 537  | 27  | 528  | 2.85 | 110 | 5   | ND  | 4   | 394 | 1   | 10  | 2   | 14  | 8.82  | .004 | 2   | 147 | 9.47  | 16  | .01 | 2   | .12  | .01 | .03 | 2   |
| RDH-87-26-3  | 1   | 12  | 2   | 41  | .1  | 1041 | 40  | 618  | 3.73 | 67  | 5   | ND  | 2   | 184 | 1   | 7   | 2   | 14  | 4.62  | .002 | 2   | 245 | 12.41 | 14  | .01 | 2   | .10  | .01 | .03 | 1   |
| RDH-87-26-4  | 2   | 25  | 13  | 21  | 6.4 | 877  | 39  | 906  | 3.19 | 822 | 5   | ND  | 2   | 176 | 1   | 65  | 2   | 12  | 3.55  | .002 | 2   | 183 | 10.85 | 10  | .01 | 5   | .06  | .01 | .03 | 4   |
| RDH-87-26-5  | 1   | 18  | 3   | 36  | .8  | 833  | 40  | 812  | 4.51 | 87  | 5   | ND  | 2   | 108 | 1   | 9   | 2   | 66  | 3.94  | .009 | 2   | 426 | 9.89  | 18  | .01 | 3   | 1.29 | .01 | .05 | 1   |
| RDH-87-26-6  | 1   | 9   | 8   | 25  | .1  | 766  | 39  | 726  | 3.86 | 31  | 5   | ND  | 2   | 46  | 1   | 3   | 2   | 27  | 1.14  | .002 | 2   | 853 | 11.59 | 21  | .01 | 3   | .44  | .01 | .03 | 1   |
| RDH-87-26-7  | 1   | 16  | 24  | 60  | .1  | 482  | 31  | 735  | 4.31 | 27  | 5   | ND  | 1   | 84  | 1   | 2   | 2   | 81  | 3.50  | .020 | 2   | 431 | 6.99  | 117 | .09 | 2   | 1.55 | .01 | .05 | 1   |
| RDH-87-26-8  | 1   | 9   | 8   | 35  | .1  | 444  | 36  | 498  | 3.75 | 13  | 5   | ND  | 1   | 118 | 1   | 2   | 2   | 46  | 4.15  | .006 | 2   | 460 | 8.46  | 63  | .01 | 2   | .91  | .01 | .03 | 2   |
| RDH-87-26-9  | 1   | 14  | 8   | 38  | .1  | 630  | 42  | 802  | 4.50 | 12  | 5   | ND  | 1   | 67  | 1   | 2   | 2   | 77  | 3.23  | .011 | 2   | 790 | 9.55  | 67  | .01 | 9   | 1.53 | .01 | .03 | 1   |
| RDH-87-26-10 | 1   | 31  | 3   | 62  | .1  | 314  | 28  | 915  | 5.14 | 15  | 5   | ND  | 1   | 114 | 1   | 4   | 2   | 101 | 4.94  | .026 | 2   | 254 | 5.75  | 167 | .06 | 2   | 2.18 | .01 | .09 | 1   |
| RDH-87-26-11 | 1   | 37  | 4   | 42  | .1  | 503  | 30  | 807  | 4.10 | 12  | 5   | ND  | 1   | 138 | 1   | 2   | 2   | 71  | 4.67  | .019 | 2   | 267 | 5.41  | 75  | .13 | 3   | 1.49 | .01 | .07 | 1   |
| RDH-87-26-12 | 1   | 32  | 3   | 37  | .1  | 538  | 34  | 795  | 3.97 | 11  | 5   | ND  | 1   | 134 | 1   | 2   | 2   | 73  | 7.00  | .019 | 2   | 248 | 5.97  | 67  | .10 | 3   | 1.34 | .01 | .06 | 1   |
| RDH-87-26-13 | 1   | 29  | 3   | 31  | .1  | 712  | 41  | 738  | 4.18 | 22  | 5   | ND  | 1   | 77  | 1   | 4   | 2   | 51  | 3.32  | .009 | 2   | 560 | 9.01  | 61  | .02 | 5   | .74  | .01 | .06 | 1   |
| RDH-87-26-14 | 2   | 24  | 11  | 31  | .1  | 722  | 44  | 1032 | 4.33 | 30  | 7   | ND  | 3   | 353 | 1   | 4   | 2   | 51  | 10.48 | .067 | 9   | 196 | 7.32  | 79  | .01 | 2   | .31  | .01 | .11 | 1   |
| RDH-87-26-15 | 2   | 55  | 9   | 44  | .1  | 260  | 27  | 946  | 4.58 | 73  | 5   | ND  | 5   | 278 | 1   | 3   | 2   | 92  | 6.71  | .217 | 36  | 122 | 5.13  | 518 | .13 | 2   | .91  | .03 | .42 | 1   |
| RDH-87-26-16 | 1   | 54  | 13  | 65  | 2.1 | 191  | 24  | 901  | 4.64 | 393 | 5   | ND  | 9   | 276 | 1   | 12  | 2   | 90  | 6.04  | .208 | 42  | 126 | 4.50  | 445 | .17 | 4   | 1.02 | .04 | .56 | 1   |
| RDH-87-26-17 | 2   | 28  | 7   | 25  | .7  | 981  | 45  | 911  | 3.70 | 207 | 5   | ND  | 3   | 173 | 1   | 30  | 2   | 25  | 4.25  | .042 | 6   | 381 | 9.82  | 32  | .01 | 2   | .36  | .01 | .04 | 2   |
| RDH-87-26-18 | 4   | 39  | 5   | 57  | .1  | 568  | 33  | 855  | 4.10 | 31  | 5   | ND  | 3   | 142 | 1   | 6   | 2   | 69  | 5.83  | .024 | 2   | 246 | 6.06  | 46  | .01 | 2   | .59  | .01 | .03 | 1   |
| RDH-87-26-19 | 3   | 46  | 6   | 69  | .1  | 92   | 23  | 868  | 5.09 | 10  | 5   | ND  | 1   | 70  | 1   | 2   | 2   | 95  | 2.78  | .032 | 3   | 86  | 2.43  | 71  | .05 | 2   | .89  | .03 | .05 | 1   |
| RDH-87-26-20 | 1   | 73  | 2   | 55  | .1  | 77   | 25  | 827  | 5.22 | 15  | 4   | ND  | 1   | 43  | 1   | 2   | 2   | 101 | 2.26  | .031 | 2   | 84  | 2.37  | 67  | .11 | 2   | 1.32 | .07 | .07 | 1   |
| RDH-87-26-21 | 1   | 65  | 5   | 66  | .1  | 63   | 26  | 1010 | 6.20 | 16  | 6   | ND  | 2   | 96  | 1   | 3   | 2   | 112 | 3.58  | .025 | 3   | 65  | 3.21  | 70  | .04 | 2   | .95  | .04 | .08 | 1   |
| RDH-87-26-22 | 1   | 53  | 17  | 58  | .1  | 63   | 25  | 779  | 4.95 | 15  | 5   | ND  | 2   | 110 | 1   | 3   | 2   | 113 | 3.45  | .026 | 2   | 45  | 2.54  | 55  | .05 | 2   | .68  | .05 | .05 | 1   |
| RDH-87-26-23 | 1   | 63  | 4   | 41  | .1  | 43   | 21  | 621  | 4.04 | 2   | 5   | ND  | 1   | 40  | 1   | 2   | 2   | 106 | 1.93  | .030 | 2   | 83  | 1.80  | 56  | .17 | 4   | 1.44 | .12 | .05 | 1   |
| RDH-87-26-24 | 1   | 46  | 11  | 68  | .1  | 55   | 27  | 948  | 6.00 | 9   | 5   | ND  | 2   | 82  | 1   | 2   | 2   | 127 | 2.84  | .033 | 2   | 68  | 3.04  | 92  | .05 | 3   | 1.30 | .04 | .10 | 1   |
| RDH-87-26-25 | 1   | 59  | 8   | 82  | .1  | 71   | 28  | 1081 | 6.77 | 31  | 5   | ND  | 1   | 99  | 1   | 2   | 2   | 127 | 3.12  | .037 | 3   | 93  | 3.24  | 93  | .01 | 2   | 1.04 | .01 | .08 | 1   |
| RDH-87-26-26 | 1   | 59  | 7   | 127 | 1.4 | 63   | 26  | 974  | 5.90 | 766 | 5   | ND  | 2   | 97  | 1   | 10  | 2   | 99  | 3.45  | .032 | 2   | 67  | 2.72  | 66  | .04 | 2   | .97  | .04 | .08 | 1   |
| RDH-87-26-27 | 1   | 45  | 10  | 63  | .6  | 66   | 24  | 892  | 5.31 | 89  | 5   | ND  | 4   | 157 | 1   | 3   | 2   | 94  | 4.88  | .022 | 2   | 73  | 3.16  | 61  | .01 | 2   | .67  | .01 | .08 | 2   |
| RDH-87-26-28 | 2   | 53  | 5   | 75  | .2  | 61   | 22  | 839  | 4.96 | 79  | 5   | ND  | 2   | 107 | 1   | 2   | 2   | 76  | 3.61  | .020 | 3   | 64  | 2.33  | 41  | .01 | 2   | .37  | .01 | .06 | 1   |
| RDH-87-26-29 | 1   | 57  | 9   | 106 | .1  | 80   | 27  | 938  | 5.54 | 39  | 5   | ND  | 2   | 135 | 1   | 3   | 2   | 109 | 4.68  | .021 | 2   | 94  | 2.93  | 31  | .01 | 3   | .29  | .01 | .04 | 1   |
| RDH-87-26-30 | 1   | 57  | 5   | 64  | .1  | 52   | 24  | 886  | 5.38 | 39  | 5   | ND  | 1   | 157 | 1   | 5   | 2   | 100 | 4.54  | .023 | 2   | 67  | 2.86  | 40  | .01 | 2   | .46  | .01 | .05 | 1   |
| RDH-87-26-31 | 1   | 56  | 16  | 57  | .1  | 65   | 22  | 763  | 4.62 | 24  | 5   | ND  | 2   | 115 | 1   | 2   | 2   | 99  | 3.67  | .024 | 2   | 88  | 2.54  | 93  | .12 | 2   | 1.12 | .07 | .09 | 1   |
| RDH-87-26-32 | 1   | 55  | 13  | 56  | .6  | 49   | 25  | 923  | 5.61 | 18  | 5   | ND  | 2   | 179 | 1   | 3   | 2   | 107 | 4.05  | .019 | 2   | 63  | 2.86  | 60  | .07 | 2   | .78  | .05 | .09 | 1   |
| RDH-87-26-33 | 1   | 72  | 5   | 74  | .1  | 46   | 30  | 1165 | 6.68 | 10  | 5   | ND  | 2   | 92  | 1   | 2   | 2   | 127 | 2.97  | .031 | 2   | 55  | 2.66  | 90  | .04 | 3   | .77  | .04 | .11 | 1   |
| STD C        | 19  | 61  | 41  | 132 | 7.4 | 71   | 31  | 1073 | 4.09 | 41  | 18  | 8   | 39  | 53  | 19  | 15  | 23  | 60  | .47   | .085 | 41  | 56  | .86   | 179 | .07 | 33  | 1.87 | .06 | .13 | 12  |

PC 5710



| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MX   | FE   | AS   | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |  |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|--|
|              | PPH | PPH | PPH | PPH | PPH | PPH  | PPH | PPH  | PPH  | PPH  | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH  | PPH  | PPH | PPH | PPH   | PPH | PPH | PPH | PPH  | PPH | PPH | PPH |  |
| RDH-87-26-34 | 1   | 53  | 26  | 52  | 1.2 | 43   | 22  | 712  | 4.43 | 66   | 5   | ND  | 2   | 50  | 1   | 2   | 3   | 105 | 2.23 | .024 | 2   | 87  | 1.90  | 61  | .12 | 5   | 1.23 | .11 | .10 | 1   |  |
| RDH-87-26-35 | 1   | 59  | 2   | 54  | .1  | 42   | 25  | 833  | 5.46 | 39   | 5   | ND  | 1   | 50  | 1   | 2   | 2   | 104 | 2.37 | .031 | 2   | 56  | 2.11  | 45  | .07 | 5   | .73  | .04 | .08 | 1   |  |
| RDH-87-26-36 | 1   | 67  | 20  | 72  | 2.2 | 28   | 21  | 894  | 4.97 | 1063 | 5   | ND  | 1   | 136 | 1   | 2   | 3   | 79  | 6.26 | .020 | 2   | 26  | 3.15  | 45  | .01 | 5   | .74  | .01 | .15 | 1   |  |
| RDH-87-26-37 | 4   | 72  | 10  | 67  | .1  | 50   | 24  | 775  | 5.24 | 18   | 5   | ND  | 2   | 44  | 1   | 2   | 2   | 106 | 2.17 | .036 | 6   | 73  | 2.45  | 72  | .03 | 3   | 1.59 | .03 | .10 | 1   |  |
| RDH-87-27-1  | 1   | 8   | 4   | 15  | .1  | 1240 | 46  | 635  | 4.32 | 17   | 5   | ND  | 1   | 289 | 1   | 2   | 2   | 24  | 6.05 | .001 | 2   | 467 | 12.50 | 40  | .01 | 4   | .13  | .01 | .04 | 1   |  |
| RDH-87-27-2  | 1   | 6   | 2   | 14  | .1  | 1316 | 52  | 678  | 4.04 | 20   | 5   | ND  | 1   | 293 | 1   | 2   | 2   | 24  | 8.90 | .001 | 2   | 461 | 10.72 | 48  | .01 | 3   | .12  | .01 | .05 | 1   |  |
| RDH-87-27-3  | 1   | 12  | 2   | 17  | .2  | 991  | 43  | 517  | 3.49 | 40   | 5   | ND  | 1   | 167 | 1   | 2   | 2   | 16  | 3.03 | .001 | 2   | 208 | 12.45 | 15  | .01 | 5   | .08  | .01 | .03 | 1   |  |
| RDH-87-27-4  | 1   | 12  | 6   | 30  | .3  | 434  | 19  | 470  | 2.30 | 19   | 5   | ND  | 1   | 130 | 1   | 2   | 2   | 11  | 2.93 | .007 | 7   | 81  | 3.88  | 43  | .01 | 4   | .18  | .01 | .11 | 1   |  |
| RDH-87-27-5  | 1   | 14  | 14  | 40  | .2  | 120  | 8   | 459  | 2.05 | 9    | 5   | ND  | 5   | 72  | 1   | 3   | 2   | 14  | 2.42 | .033 | 13  | 13  | 1.32  | 94  | .01 | 3   | .28  | .01 | .16 | 1   |  |
| RDH-87-27-6  | 2   | 14  | 9   | 47  | .1  | 50   | 9   | 635  | 2.38 | 5    | 5   | ND  | 4   | 104 | 1   | 2   | 2   | 13  | 3.32 | .045 | 18  | 10  | 1.62  | 297 | .01 | 3   | .32  | .01 | .17 | 1   |  |
| RDH-87-27-7  | 1   | 12  | 14  | 39  | .3  | 244  | 15  | 577  | 2.48 | 18   | 5   | ND  | 4   | 123 | 1   | 3   | 2   | 14  | 3.33 | .034 | 14  | 48  | 3.25  | 117 | .01 | 2   | .36  | .01 | .17 | 1   |  |
| RDH-87-27-8  | 1   | 3   | 13  | 18  | .2  | 926  | 38  | 594  | 3.32 | 67   | 5   | ND  | 2   | 378 | 1   | 15  | 2   | 14  | 6.47 | .003 | 2   | 209 | 11.21 | 27  | .01 | 2   | .09  | .01 | .05 | 1   |  |
| RDH-87-27-9  | 1   | 32  | 66  | 58  | 8.5 | 876  | 39  | 950  | 3.12 | 260  | 5   | ND  | 1   | 400 | 1   | 47  | 2   | 16  | 6.64 | .004 | 2   | 196 | 10.72 | 77  | .01 | 5   | .12  | .01 | .04 | 2   |  |
| RDH-87-27-10 | 1   | 23  | 13  | 67  | 2.2 | 763  | 41  | 854  | 3.58 | 154  | 5   | ND  | 2   | 276 | 1   | 9   | 2   | 25  | 6.95 | .020 | 5   | 203 | 8.84  | 296 | .01 | 4   | .20  | .01 | .08 | 1   |  |
| RDH-87-27-11 | 1   | 19  | 2   | 23  | .4  | 1147 | 53  | 723  | 3.92 | 17   | 5   | ND  | 2   | 226 | 1   | 2   | 2   | 30  | 6.19 | .019 | 4   | 441 | 11.17 | 94  | .01 | 4   | .15  | .01 | .04 | 1   |  |
| RDH-87-27-12 | 2   | 19  | 2   | 32  | .1  | 814  | 40  | 719  | 3.95 | 9    | 5   | ND  | 1   | 168 | 1   | 2   | 2   | 41  | 4.11 | .044 | 8   | 699 | 10.77 | 338 | .01 | 10  | .42  | .01 | .05 | 1   |  |
| RDH-87-27-13 | 1   | 10  | 20  | 26  | .2  | 1043 | 48  | 664  | 3.84 | 25   | 5   | ND  | 2   | 124 | 1   | 2   | 2   | 25  | 3.21 | .010 | 2   | 731 | 12.15 | 97  | .01 | 16  | .24  | .01 | .03 | 1   |  |
| RDH-87-27-14 | 1   | 6   | 2   | 20  | .1  | 1346 | 57  | 683  | 3.86 | 7    | 5   | ND  | 1   | 98  | 1   | 2   | 2   | 15  | 2.53 | .001 | 2   | 494 | 15.37 | 54  | .01 | 6   | .10  | .01 | .02 | 1   |  |
| RDH-87-27-15 | 1   | 5   | 2   | 19  | .1  | 1350 | 53  | 597  | 3.68 | 20   | 5   | ND  | 1   | 278 | 1   | 2   | 2   | 17  | 6.03 | .001 | 2   | 380 | 13.40 | 37  | .01 | 8   | .11  | .01 | .03 | 1   |  |
| RDH-87-27-16 | 2   | 9   | 7   | 25  | .1  | 1792 | 68  | 764  | 3.38 | 17   | 5   | ND  | 1   | 215 | 1   | 2   | 2   | 10  | 4.07 | .004 | 2   | 220 | 13.78 | 38  | .01 | 3   | .06  | .01 | .03 | 1   |  |
| RDH-87-27-17 | 1   | 5   | 11  | 18  | .4  | 1402 | 57  | 648  | 3.89 | 11   | 5   | ND  | 2   | 328 | 1   | 2   | 2   | 14  | 5.29 | .001 | 2   | 379 | 13.65 | 16  | .01 | 2   | .04  | .01 | .03 | 1   |  |
| RDH-87-27-18 | 1   | 14  | 45  | 20  | 4.2 | 1164 | 56  | 608  | 4.25 | 10   | 5   | ND  | 2   | 164 | 1   | 5   | 2   | 47  | 3.78 | .001 | 2   | 336 | 13.99 | 25  | .01 | 6   | .14  | .01 | .03 | 1   |  |
| RDH-87-27-19 | 2   | 6   | 8   | 19  | .4  | 921  | 55  | 737  | 4.11 | 9    | 5   | ND  | 3   | 47  | 1   | 2   | 2   | 22  | 1.30 | .001 | 2   | 746 | 15.26 | 14  | .01 | 5   | .31  | .01 | .02 | 1   |  |
| RDH-87-27-20 | 2   | 13  | 8   | 16  | 1.2 | 948  | 55  | 679  | 3.68 | 77   | 5   | ND  | 5   | 27  | 1   | 3   | 2   | 20  | .73  | .001 | 2   | 797 | 14.28 | 7   | .01 | 3   | .31  | .01 | .02 | 1   |  |
| RDH-87-27-21 | 2   | 24  | 141 | 24  | 5.7 | 861  | 61  | 837  | 4.42 | 19   | 5   | ND  | 3   | 32  | 1   | 5   | 2   | 18  | .86  | .001 | 2   | 619 | 15.28 | 17  | .01 | 6   | .28  | .01 | .02 | 1   |  |
| RDH-87-27-22 | 7   | 23  | 88  | 25  | .1  | 1198 | 65  | 913  | 4.23 | 32   | 5   | ND  | 1   | 92  | 1   | 2   | 2   | 14  | 3.34 | .001 | 2   | 354 | 14.85 | 9   | .01 | 3   | .12  | .01 | .01 | 1   |  |
| RDH-87-27-23 | 1   | 13  | 5   | 15  | .5  | 875  | 42  | 780  | 3.02 | 142  | 5   | ND  | 1   | 290 | 1   | 7   | 2   | 9   | 9.93 | .001 | 2   | 183 | 11.28 | 9   | .01 | 5   | .07  | .01 | .02 | 1   |  |
| RDH-87-27-24 | 1   | 47  | 21  | 220 | 5.9 | 85   | 26  | 904  | 5.66 | 1879 | 5   | ND  | 1   | 199 | 1   | 29  | 2   | 36  | 6.40 | .009 | 2   | 42  | 3.31  | 17  | .01 | 2   | .19  | .01 | .09 | 1   |  |
| RDH-87-27-25 | 1   | 69  | 55  | 83  | 1.7 | 82   | 33  | 1099 | 6.78 | 88   | 5   | ND  | 1   | 96  | 1   | 2   | 2   | 126 | 3.81 | .019 | 2   | 86  | 3.28  | 24  | .01 | 2   | .31  | .01 | .04 | 1   |  |
| RDH-87-27-26 | 1   | 63  | 20  | 124 | 5.9 | 57   | 26  | 1090 | 5.39 | 1146 | 5   | ND  | 2   | 108 | 1   | 23  | 2   | 62  | 4.38 | .014 | 2   | 39  | 2.46  | 26  | .01 | 2   | .33  | .01 | .08 | 1   |  |
| RDH-87-27-27 | 1   | 59  | 22  | 85  | .3  | 64   | 37  | 1116 | 6.89 | 36   | 5   | ND  | 1   | 84  | 1   | 2   | 2   | 133 | 3.10 | .037 | 2   | 78  | 2.84  | 124 | .05 | 4   | .93  | .03 | .13 | 1   |  |
| RDH-87-27-28 | 1   | 42  | 11  | 62  | 1.1 | 48   | 27  | 960  | 5.85 | 22   | 5   | ND  | 2   | 67  | 1   | 2   | 2   | 113 | 3.16 | .034 | 2   | 74  | 2.65  | 90  | .06 | 4   | 1.01 | .06 | .11 | 1   |  |
| RDH-87-27-29 | 1   | 58  | 64  | 67  | 2.0 | 64   | 30  | 1083 | 6.38 | 11   | 5   | ND  | 2   | 84  | 1   | 2   | 2   | 99  | 3.04 | .032 | 3   | 84  | 2.82  | 48  | .05 | 4   | .87  | .05 | .12 | 1   |  |
| RDH-87-27-30 | 1   | 61  | 10  | 52  | .3  | 56   | 26  | 746  | 4.60 | 5    | 5   | ND  | 3   | 56  | 1   | 2   | 2   | 94  | 2.44 | .032 | 2   | 83  | 2.23  | 62  | .09 | 5   | 1.26 | .07 | .11 | 1   |  |
| RDH-87-27-31 | 1   | 81  | 18  | 74  | .5  | 58   | 27  | 895  | 5.39 | 3    | 5   | ND  | 2   | 61  | 1   | 2   | 2   | 112 | 2.05 | .031 | 3   | 88  | 2.43  | 90  | .10 | 5   | 1.35 | .05 | .14 | 1   |  |
| RDH-87-27-32 | 2   | 66  | 9   | 66  | .2  | 47   | 23  | 900  | 5.15 | 12   | 5   | ND  | 2   | 153 | 1   | 2   | 2   | 93  | 4.75 | .017 | 2   | 59  | 3.38  | 20  | .01 | 5   | .34  | .01 | .03 | 1   |  |
| STD C        | 19  | 59  | 39  | 134 | 7.4 | 69   | 31  | 1074 | 4.03 | 43   | 17  | 8   | 38  | 48  | 19  | 19  | 19  | 60  | .45  | .083 | 41  | 60  | .90   | 183 | .08 | 36  | 1.98 | .06 | .14 | 12  |  |

PC 5716

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA    | P    | LA  | CR   | MG    | BA  | TI  | B  | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|------|-------|-----|-----|----|------|-----|-----|-----|
|              | PPH | PPH | PPH | PPH | PPH | PPH  | PPH | PPH  | %    | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %     | %    | PPH | PPH  | %     | PPH | %   | %  | %    | %   | %   | PPH |
| RDH-87-27-33 | 1   | 47  | 8   | 81  | .1  | 35   | 31  | 1184 | 6.84 | 2   | 5   | ND  | 2   | 107 | 1   | 2   | 2   | 123 | 3.55  | .032 | 2   | 71   | 3.14  | 58  | .01 | 5  | 1.08 | .03 | .08 | 1   |
| RDH-87-27-34 | 1   | 65  | 33  | 54  | .4  | 45   | 24  | 497  | 4.95 | 2   | 5   | ND  | 1   | 47  | 1   | 2   | 2   | 104 | 1.93  | .032 | 2   | 66   | 2.16  | 80  | .12 | 2  | 1.61 | .07 | .09 | 1   |
| RDH-87-27-35 | 1   | 54  | 6   | 71  | .1  | 51   | 29  | 1315 | 7.12 | 30  | 5   | ND  | 1   | 119 | 1   | 2   | 2   | 99  | 3.82  | .032 | 2   | 61   | 3.21  | 64  | .03 | 2  | .89  | .04 | .17 | 1   |
| RDH-87-27-36 | 1   | 65  | 18  | 45  | .1  | 45   | 21  | 639  | 4.09 | 2   | 5   | ND  | 3   | 51  | 1   | 2   | 2   | 91  | 2.49  | .025 | 2   | 80   | 2.06  | 55  | .14 | 2  | 1.32 | .08 | .06 | 1   |
| RDH-87-28-1  | 1   | 8   | 21  | 22  | .1  | 999  | 41  | 539  | 3.69 | 3   | 5   | ND  | 1   | 56  | 1   | 2   | 2   | 24  | 1.47  | .004 | 2   | 958  | 10.45 | 199 | .01 | 13 | .38  | .01 | .01 | 1   |
| RDH-87-28-2  | 1   | 11  | 38  | 37  | .4  | 70   | 9   | 589  | 2.36 | 2   | 5   | ND  | 5   | 87  | 1   | 3   | 2   | 26  | 2.66  | .039 | 13  | 53   | 1.77  | 307 | .01 | 5  | .42  | .02 | .13 | 1   |
| RDH-87-28-3  | 2   | 11  | 20  | 42  | .3  | 56   | 10  | 417  | 2.55 | 2   | 5   | ND  | 6   | 110 | 1   | 5   | 2   | 22  | 3.02  | .034 | 11  | 46   | 1.96  | 524 | .01 | 5  | .49  | .01 | .15 | 1   |
| RDH-87-28-4  | 1   | 10  | 17  | 28  | .1  | 802  | 36  | 600  | 3.46 | 4   | 5   | ND  | 5   | 95  | 1   | 5   | 2   | 23  | 2.12  | .013 | 4   | 628  | 9.80  | 447 | .01 | 15 | .41  | .01 | .06 | 1   |
| RDH-87-28-5  | 1   | 10  | 11  | 21  | .4  | 1105 | 50  | 624  | 3.81 | 34  | 5   | ND  | 6   | 202 | 1   | 8   | 2   | 23  | 4.59  | .004 | 2   | 629  | 11.60 | 407 | .01 | 7  | .28  | .01 | .04 | 2   |
| RDH-87-28-6  | 1   | 19  | 18  | 17  | .4  | 1202 | 53  | 732  | 3.99 | 63  | 9   | ND  | 5   | 449 | 1   | 15  | 2   | 21  | 10.13 | .002 | 2   | 480  | 9.24  | 253 | .01 | 2  | .12  | .01 | .03 | 1   |
| RDH-87-28-7  | 2   | 21  | 4   | 15  | .3  | 1174 | 51  | 682  | 3.66 | 159 | 7   | ND  | 5   | 216 | 1   | 18  | 2   | 16  | 4.49  | .003 | 2   | 265  | 12.94 | 60  | .01 | 2  | .10  | .01 | .03 | 1   |
| RDH-87-28-8  | 1   | 12  | 14  | 19  | .1  | 1121 | 48  | 608  | 3.80 | 7   | 5   | ND  | 4   | 205 | 1   | 4   | 2   | 19  | 4.54  | .002 | 2   | 500  | 14.22 | 90  | .01 | 5  | .16  | .01 | .02 | 1   |
| RDH-87-28-9  | 1   | 16  | 7   | 16  | .1  | 941  | 40  | 630  | 3.54 | 2   | 5   | ND  | 2   | 117 | 1   | 3   | 2   | 19  | 2.45  | .002 | 2   | 609  | 14.33 | 83  | .01 | 3  | .21  | .01 | .01 | 1   |
| STD C        | 18  | 59  | 38  | 125 | 7.3 | 66   | 28  | 1070 | 3.90 | 42  | 21  | 8   | 38  | 50  | 17  | 17  | 19  | 55  | .47   | .087 | 38  | 40   | .89   | 164 | .09 | 39 | 1.89 | .06 | .14 | 14  |
| RDH-87-28-10 | 1   | 47  | 4   | 19  | .1  | 1000 | 44  | 738  | 3.65 | 2   | 5   | ND  | 1   | 58  | 1   | 2   | 2   | 24  | 2.16  | .001 | 2   | 957  | 13.21 | 91  | .01 | 20 | .38  | .01 | .01 | 1   |
| RDH-87-28-11 | 1   | 31  | 11  | 21  | .2  | 1255 | 53  | 696  | 3.87 | 7   | 5   | ND  | 4   | 170 | 1   | 5   | 2   | 23  | 6.99  | .001 | 2   | 768  | 11.65 | 83  | .01 | 7  | .25  | .01 | .01 | 1   |
| RDH-87-28-12 | 1   | 13  | 13  | 24  | .1  | 1088 | 44  | 594  | 3.13 | 21  | 5   | ND  | 3   | 243 | 1   | 7   | 2   | 18  | 11.02 | .003 | 2   | 463  | 10.84 | 64  | .01 | 2  | .14  | .01 | .01 | 1   |
| RDH-87-28-13 | 1   | 16  | 4   | 35  | .1  | 1146 | 49  | 703  | 3.87 | 4   | 8   | ND  | 4   | 111 | 1   | 3   | 2   | 22  | 3.59  | .001 | 2   | 849  | 13.29 | 40  | .01 | 9  | .27  | .01 | .01 | 1   |
| RDH-87-28-14 | 1   | 11  | 5   | 22  | .1  | 1071 | 46  | 628  | 4.12 | 2   | 5   | ND  | 1   | 28  | 1   | 2   | 2   | 24  | 1.35  | .001 | 2   | 1199 | 12.50 | 46  | .01 | 19 | .39  | .01 | .01 | 1   |
| RDH-87-28-15 | 1   | 14  | 3   | 19  | .4  | 1223 | 54  | 643  | 3.75 | 40  | 5   | ND  | 5   | 238 | 1   | 7   | 2   | 22  | 6.44  | .001 | 2   | 801  | 11.35 | 33  | .01 | 8  | .21  | .01 | .02 | 1   |
| RDH-87-28-16 | 1   | 38  | 6   | 25  | .1  | 1196 | 48  | 707  | 3.98 | 5   | 5   | ND  | 2   | 88  | 1   | 2   | 2   | 21  | 2.58  | .001 | 2   | 871  | 14.44 | 83  | .01 | 12 | .27  | .01 | .02 | 1   |
| RDH-87-28-17 | 1   | 27  | 14  | 27  | .4  | 1145 | 50  | 727  | 3.85 | 2   | 5   | ND  | 4   | 133 | 1   | 3   | 2   | 23  | 3.00  | .001 | 2   | 1013 | 14.10 | 97  | .01 | 13 | .28  | .01 | .03 | 1   |
| RDH-87-28-18 | 1   | 41  | 4   | 20  | .1  | 1193 | 53  | 684  | 3.56 | 94  | 6   | ND  | 5   | 363 | 1   | 10  | 2   | 20  | 8.28  | .001 | 2   | 566  | 10.09 | 35  | .01 | 3  | .09  | .01 | .03 | 1   |
| RDH-87-28-19 | 1   | 16  | 4   | 25  | .1  | 1061 | 44  | 599  | 3.51 | 4   | 5   | ND  | 3   | 62  | 1   | 2   | 2   | 22  | 1.63  | .001 | 2   | 1070 | 13.95 | 97  | .01 | 17 | .30  | .01 | .02 | 1   |
| RDH-87-28-20 | 1   | 13  | 3   | 20  | .1  | 940  | 43  | 520  | 3.61 | 2   | 5   | ND  | 1   | 31  | 1   | 2   | 2   | 23  | 1.24  | .001 | 2   | 1113 | 11.44 | 112 | .01 | 19 | .36  | .01 | .02 | 1   |
| RDH-87-28-21 | 1   | 13  | 14  | 24  | 1.0 | 987  | 46  | 535  | 3.68 | 4   | 5   | ND  | 3   | 31  | 1   | 6   | 2   | 22  | 1.16  | .001 | 2   | 1078 | 12.34 | 135 | .01 | 25 | .34  | .01 | .01 | 1   |
| RDH-87-28-22 | 1   | 13  | 4   | 21  | .1  | 1156 | 50  | 415  | 3.70 | 2   | 5   | ND  | 2   | 172 | 1   | 2   | 2   | 21  | 3.28  | .001 | 2   | 828  | 14.42 | 285 | .01 | 11 | .20  | .01 | .02 | 1   |
| RDH-87-28-23 | 1   | 14  | 2   | 20  | .1  | 1248 | 53  | 595  | 3.49 | 31  | 5   | ND  | 3   | 280 | 1   | 9   | 2   | 16  | 7.17  | .001 | 2   | 422  | 11.46 | 37  | .01 | 2  | .09  | .01 | .01 | 1   |
| RDH-87-28-24 | 1   | 9   | 3   | 22  | .1  | 1085 | 51  | 578  | 3.89 | 2   | 5   | ND  | 1   | 40  | 1   | 2   | 2   | 24  | 1.40  | .001 | 2   | 1100 | 12.27 | 72  | .01 | 24 | .35  | .01 | .01 | 1   |
| RDH-87-28-25 | 1   | 5   | 2   | 23  | .1  | 1228 | 54  | 662  | 4.07 | 3   | 5   | ND  | 3   | 123 | 1   | 4   | 2   | 22  | 4.47  | .001 | 2   | 830  | 13.23 | 212 | .01 | 11 | .25  | .01 | .01 | 1   |
| RDH-87-28-26 | 1   | 7   | 3   | 29  | .2  | 1574 | 75  | 671  | 3.69 | 15  | 7   | ND  | 5   | 180 | 1   | 7   | 2   | 20  | 8.06  | .001 | 2   | 494  | 12.79 | 34  | .01 | 3  | .17  | .01 | .02 | 1   |
| RDH-87-28-27 | 1   | 8   | 4   | 18  | .1  | 1198 | 57  | 663  | 4.12 | 5   | 5   | ND  | 4   | 222 | 1   | 7   | 2   | 22  | 4.99  | .001 | 2   | 610  | 13.64 | 56  | .01 | 6  | .14  | .01 | .02 | 1   |
| RDH-87-28-28 | 1   | 7   | 26  | 18  | .6  | 1145 | 55  | 604  | 3.73 | 45  | 5   | ND  | 3   | 391 | 1   | 8   | 2   | 15  | 8.02  | .001 | 2   | 342  | 10.30 | 21  | .01 | 2  | .07  | .01 | .01 | 1   |
| RDH-87-28-29 | 1   | 10  | 5   | 15  | .1  | 1205 | 56  | 578  | 3.81 | 59  | 5   | ND  | 4   | 294 | 1   | 18  | 2   | 19  | 5.57  | .001 | 2   | 390  | 12.26 | 35  | .01 | 5  | .10  | .01 | .01 | 1   |
| RDH-87-28-30 | 1   | 7   | 2   | 20  | .1  | 1226 | 54  | 584  | 3.90 | 12  | 5   | ND  | 3   | 103 | 1   | 4   | 2   | 22  | 3.35  | .001 | 2   | 799  | 13.93 | 44  | .01 | 9  | .31  | .01 | .02 | 1   |
| RDH-87-28-31 | 1   | 8   | 4   | 22  | .1  | 1227 | 56  | 699  | 4.05 | 15  | 5   | ND  | 3   | 200 | 1   | 5   | 2   | 20  | 4.51  | .001 | 2   | 689  | 13.33 | 36  | .01 | 10 | .21  | .01 | .01 | 1   |
| RDH-87-28-32 | 1   | 14  | 36  | 19  | 3.1 | 1319 | 63  | 661  | 3.77 | 129 | 5   | ND  | 3   | 236 | 1   | 21  | 2   | 11  | 4.66  | .001 | 2   | 295  | 9.30  | 14  | .01 | 5  | .05  | .01 | .02 | 1   |

PL 5710

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>% | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SD<br>PPM | BI<br>PPM | V<br>PPM | CA<br>% | P<br>% | LA<br>PPM | CR<br>PPM | MG<br>% | BR<br>PPM | TI<br>% | B<br>PPM | AL<br>% | NA<br>% | K<br>% | M<br>PPM |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-28-33 | 1         | 17        | 5         | 14        | .1        | 1338      | 62        | 670       | 4.14    | 31        | 5        | ND        | 1         | 117       | 1         | 2         | 10        | 2.50     | .001    | 2      | 209       | 12.39     | 4       | .01       | 2       | .01      | .01     | .02     | 1      |          |
| RDH-87-28-34 | 1         | 13        | 2         | 18        | .5        | 1334      | 46        | 722       | 4.13    | 101       | 5        | ND        | 1         | 152       | 1         | 15        | 2         | 10       | 3.13    | .001   | 2         | 269       | 13.54   | 7         | .01     | 4        | .03     | .01     | .01    | 1        |
| RDH-87-28-35 | 1         | 18        | 10        | 17        | .5        | 1318      | 65        | 723       | 4.44    | 99        | 5        | ND        | 1         | 192       | 1         | 25        | 2         | 13       | 3.83    | .001   | 2         | 382       | 12.92   | 20        | .01     | 2        | .07     | .01     | .01    | 1        |
| RDH-87-28-36 | 1         | 19        | 5         | 16        | .6        | 1428      | 64        | 650       | 3.74    | 174       | 5        | ND        | 1         | 77        | 1         | 29        | 2         | 7        | 1.85    | .001   | 2         | 167       | 13.42   | 4         | .01     | 2        | .02     | .01     | .01    | 1        |
| RDH-87-28-37 | 1         | 13        | 13        | 17        | 1.0       | 1230      | 59        | 694       | 4.05    | 95        | 5        | ND        | 2         | 128       | 1         | 3         | 2         | 11       | 4.79    | .001   | 2         | 269       | 12.33   | 12        | .01     | 5        | .06     | .01     | .02    | 1        |
| RDH-87-28-38 | 1         | 35        | 10        | 56        | .7        | 934       | 51        | 793       | 4.14    | 59        | 5        | ND        | 1         | 121       | 1         | 3         | 2         | 32       | 5.07    | .004   | 2         | 165       | 9.19    | 25        | .01     | 2        | .21     | .01     | .03    | 1        |
| RDH-87-28-39 | 1         | 67        | 15        | 83        | .6        | 57        | 22        | 446       | 4.46    | 1008      | 5        | ND        | 1         | 61        | 1         | 2         | 5         | 85       | 2.89    | .028   | 2         | 50        | 2.61    | 78        | .07     | 2        | 1.07    | .07     | .09    | 1        |
| RDH-87-29-1  | 1         | 8         | 7         | 18        | .3        | 862       | 34        | 619       | 3.97    | 53        | 5        | ND        | 1         | 299       | 1         | 6         | 2         | 17       | 6.20    | .001   | 2         | 307       | 9.28    | 19        | .01     | 2        | .08     | .01     | .02    | 1        |
| RDH-87-29-2  | 1         | 6         | 7         | 17        | .1        | 1199      | 45        | 668       | 4.20    | 50        | 5        | ND        | 1         | 310       | 1         | 7         | 2         | 21       | 7.77    | .002   | 2         | 388       | 10.90   | 24        | .01     | 2        | .10     | .01     | .02    | 1        |
| RDH-87-29-3  | 1         | 5         | 2         | 17        | .1        | 959       | 41        | 491       | 3.57    | 74        | 5        | ND        | 1         | 530       | 1         | 10        | 2         | 12       | 10.76   | .001   | 2         | 358       | 10.48   | 18        | .01     | 2        | .03     | .01     | .01    | 1        |
| RDH-87-29-4  | 1         | 7         | 2         | 19        | .5        | 1231      | 54        | 483       | 3.85    | 24        | 5        | ND        | 1         | 226       | 1         | 3         | 2         | 11       | 4.00    | .001   | 2         | 266       | 14.04   | 14        | .01     | 2        | .03     | .01     | .02    | 2        |
| RDH-87-29-5  | 1         | 13        | 17        | 52        | .9        | 1050      | 43        | 617       | 3.71    | 152       | 5        | ND        | 1         | 298       | 1         | 2         | 2         | 18       | 7.36    | .002   | 2         | 286       | 11.61   | 23        | .01     | 2        | .11     | .01     | .03    | 1        |
| RDH-87-29-6  | 1         | 5         | 16        | 20        | 1.2       | 804       | 39        | 614       | 3.39    | 45        | 5        | ND        | 1         | 198       | 1         | 5         | 2         | 11       | 5.93    | .001   | 2         | 197       | 11.47   | 14        | .01     | 2        | .03     | .01     | .01    | 1        |
| RDH-87-29-7  | 1         | 7         | 4         | 18        | .3        | 1073      | 47        | 625       | 3.49    | 44        | 5        | ND        | 1         | 257       | 1         | 3         | 2         | 9        | 7.98    | .001   | 2         | 243       | 12.30   | 13        | .01     | 2        | .01     | .01     | .01    | 1        |
| RDH-87-29-8  | 1         | 4         | 2         | 17        | .1        | 1090      | 57        | 615       | 3.87    | 24        | 5        | ND        | 1         | 109       | 1         | 2         | 2         | 12       | 2.29    | .001   | 2         | 439       | 14.68   | 34        | .01     | 3        | .04     | .01     | .01    | 1        |
| RDH-87-29-9  | 1         | 6         | 8         | 23        | .3        | 1428      | 65        | 685       | 4.35    | 61        | 5        | ND        | 2         | 183       | 1         | 2         | 2         | 12       | 3.77    | .001   | 2         | 337       | 13.37   | 12        | .01     | 2        | .02     | .01     | .02    | 3        |
| RDH-87-29-10 | 2         | 5         | 2         | 19        | .1        | 1094      | 54        | 762       | 4.37    | 18        | 5        | ND        | 1         | 71        | 1         | 2         | 2         | 17       | 1.67    | .001   | 2         | 453       | 15.22   | 13        | .01     | 3        | .08     | .01     | .02    | 2        |
| RDH-87-29-11 | 1         | 5         | 11        | 20        | 1.3       | 1095      | 51        | 759       | 3.55    | 169       | 5        | ND        | 1         | 438       | 1         | 15        | 2         | 13       | 6.14    | .001   | 2         | 345       | 12.87   | 11        | .01     | 2        | .07     | .01     | .02    | 1        |
| RDH-87-29-12 | 1         | 8         | 5         | 14        | .8        | 1251      | 55        | 665       | 3.72    | 218       | 5        | ND        | 1         | 264       | 1         | 25        | 2         | 11       | 4.20    | .001   | 2         | 286       | 13.33   | 10        | .01     | 2        | .06     | .01     | .02    | 1        |
| RDH-87-29-13 | 1         | 12        | 14        | 18        | .4        | 1355      | 59        | 730       | 3.49    | 115       | 5        | ND        | 2         | 173       | 1         | 13        | 2         | 5        | 3.03    | .001   | 2         | 154       | 13.70   | 7         | .01     | 2        | .02     | .01     | .01    | 1        |
| RDH-87-29-14 | 1         | 47        | 3         | 257       | .4        | 287       | 29        | 685       | 5.18    | 103       | 5        | ND        | 1         | 264       | 1         | 12        | 2         | 85       | 6.06    | .004   | 2         | 117       | 5.23    | 25        | .01     | 2        | .26     | .01     | .03    | 1        |
| RDH-87-29-15 | 1         | 49        | 7         | 67        | .1        | 85        | 27        | 1109      | 6.62    | 8         | 5        | ND        | 1         | 102       | 1         | 2         | 2         | 131      | 3.61    | .029   | 2         | 95        | 2.87    | 147       | .04     | 3        | .79     | .03     | .06    | 1        |
| RDH-87-29-16 | 1         | 54        | 5         | 50        | .1        | 57        | 21        | 856       | 5.14    | 5         | 5        | ND        | 1         | 74        | 1         | 2         | 2         | 105      | 2.70    | .022   | 2         | 69        | 2.25    | 132       | .07     | 3        | .71     | .05     | .06    | 1        |
| RDH-87-29-17 | 1         | 60        | 5         | 68        | .1        | 110       | 28        | 959       | 6.30    | 29        | 5        | ND        | 1         | 139       | 1         | 2         | 2         | 122      | 4.06    | .018   | 2         | 98        | 3.19    | 60        | .02     | 3        | .42     | .02     | .04    | 1        |
| RDH-87-29-18 | 1         | 49        | 10        | 87        | .2        | 80        | 31        | 1229      | 7.19    | 86        | 5        | ND        | 1         | 122       | 1         | 2         | 4         | 132      | 5.16    | .028   | 2         | 71        | 3.48    | 31        | .01     | 2        | .40     | .01     | .05    | 1        |
| RDH-87-29-19 | 1         | 30        | 2         | 56        | .2        | 47        | 23        | 853       | 5.27    | 19        | 5        | ND        | 1         | 90        | 1         | 2         | 5         | 109      | 3.53    | .025   | 2         | 48        | 2.34    | 47        | .09     | 2        | .76     | .07     | .05    | 1        |
| RDH-87-29-20 | 1         | 56        | 3         | 68        | .1        | 57        | 27        | 1002      | 6.33    | 12        | 5        | ND        | 1         | 81        | 1         | 2         | 2         | 118      | 2.97    | .027   | 2         | 66        | 2.61    | 65        | .07     | 5        | .80     | .05     | .06    | 1        |
| RDH-87-29-21 | 1         | 68        | 5         | 69        | .1        | 73        | 29        | 872       | 5.86    | 12        | 5        | ND        | 1         | 81        | 1         | 2         | 2         | 118      | 3.50    | .029   | 2         | 66        | 2.57    | 52        | .06     | 2        | .65     | .04     | .05    | 1        |
| RDH-87-29-22 | 1         | 63        | 5         | 42        | .1        | 39        | 22        | 564       | 4.38    | 2         | 5        | ND        | 1         | 24        | 1         | 2         | 2         | 90       | 1.81    | .029   | 2         | 62        | 1.63    | 40        | .16     | 2        | 1.27    | .12     | .07    | 1        |
| RDH-87-29-23 | 1         | 63        | 7         | 51        | .4        | 45        | 23        | 899       | 4.85    | 22        | 5        | ND        | 1         | 45        | 1         | 2         | 2         | 92       | 2.30    | .030   | 2         | 69        | 2.05    | 65        | .09     | 3        | 1.14    | .10     | .09    | 1        |
| RDH-87-29-24 | 1         | 76        | 24        | 94        | 4.7       | 63        | 25        | 754       | 5.36    | 801       | 5        | 2         | 1         | 117       | 1         | 7         | 3         | 83       | 4.18    | .020   | 2         | 56        | 2.55    | 39        | .04     | 3        | .68     | .05     | .08    | 2        |
| RDH-87-29-25 | 1         | 58        | 31        | 98        | 7.6       | 109       | 19        | 896       | 4.57    | 671       | 5        | ND        | 1         | 314       | 1         | 18        | 2         | 52       | 7.76    | .008   | 2         | 42        | 3.82    | 24        | .01     | 2        | .28     | .01     | .06    | 1        |
| RDH-87-29-26 | 1         | 77        | 27        | 184       | 1.1       | 62        | 25        | 894       | 5.57    | 670       | 5        | ND        | 1         | 202       | 1         | 2         | 2         | 87       | 6.05    | .014   | 2         | 71        | 3.34    | 33        | .01     | 2        | .35     | .01     | .05    | 1        |
| RDH-87-29-27 | 1         | 66        | 3         | 69        | .1        | 57        | 23        | 746       | 4.78    | 51        | 5        | ND        | 1         | 119       | 1         | 2         | 4         | 94       | 3.48    | .019   | 2         | 84        | 2.48    | 74        | .07     | 2        | .91     | .05     | .14    | 1        |
| RDH-87-29-28 | 1         | 65        | 3         | 74        | .1        | 78        | 30        | 982       | 5.92    | 18        | 5        | ND        | 1         | 80        | 1         | 2         | 2         | 118      | 2.67    | .034   | 2         | 121       | 2.65    | 194       | .12     | 4        | 1.50    | .06     | .42    | 1        |
| RDH-87-29-29 | 1         | 43        | 2         | 55        | .1        | 51        | 18        | 552       | 4.02    | 4         | 5        | ND        | 4         | 32        | 1         | 2         | 3         | 90       | 1.25    | .034   | 7         | 98        | 1.80    | 181       | .20     | 4        | 1.22    | .05     | .41    | 1        |
| STD C        | 19        | 58        | 38        | 133       | 7.6       | 67        | 31        | 1086      | 4.18    | 40        | 19       | 9         | 40        | 52        | 19        | 18        | 22        | 58       | .46     | .082   | 40        | 61        | .94     | 183       | .09     | 33       | 1.81    | .06     | .13    | 12       |

PC 5710

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>I | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SD<br>PPM | BI<br>PPM | V<br>PPM | CA<br>I | P<br>I | LA<br>PPM | CR<br>PPM | MG<br>I | BA<br>PPM | TI<br>I | B<br>PPM | AL<br>I | NA<br>I | K<br>I | W<br>PPM |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-29-30 | 1         | 72        | 2         | 70        | .1        | 52        | 20        | 785       | 4.76    | 8         | 5        | ND        | 4         | 65        | 1         | 2         | 2         | 98       | 2.59    | .026   | 9         | 77        | 1.83    | 60        | .03     | 7        | .60     | .02     | .11    | 1        |
| RDH-87-29-31 | 1         | 73        | 2         | 67        | .1        | 63        | 29        | 1070      | 6.44    | 6         | 5        | ND        | 1         | 137       | 1         | 3         | 4         | 127      | 4.87    | .027   | 2         | 102       | 3.13    | 58        | .04     | 7        | .98     | .05     | .09    | 1        |
| RDH-87-29-32 | 1         | 75        | 2         | 58        | .1        | 48        | 27        | 832       | 5.51    | 11        | 5        | ND        | 1         | 78        | 1         | 2         | 2         | 124      | 3.20    | .026   | 2         | 80        | 2.23    | 91        | .07     | 7        | 1.17    | .09     | .10    | 1        |
| RDH-87-29-33 | 1         | 88        | 3         | 45        | .1        | 57        | 23        | 596       | 3.95    | 14        | 5        | ND        | 1         | 44        | 1         | 2         | 2         | 104      | 2.37    | .028   | 2         | 81        | 1.61    | 99        | .21     | 8        | 1.75    | .18     | .10    | 1        |
| RDH-87-29-34 | 1         | 90        | 4         | 66        | 4.1       | 72        | 33        | 1001      | 7.05    | 287       | 5        | ND        | 1         | 129       | 1         | 7         | 3         | 108      | 4.10    | .025   | 2         | 58        | 2.97    | 90        | .01     | 7        | 1.04    | .02     | .12    | 1        |
| RDH-87-29-35 | 1         | 37        | 4         | 180       | .4        | 52        | 29        | 1137      | 6.74    | 40        | 5        | ND        | 1         | 149       | 1         | 4         | 2         | 118      | 5.07    | .018   | 2         | 59        | 3.03    | 44        | .01     | 6        | .51     | .01     | .11    | 1        |
| RDH-87-29-36 | 1         | 35        | 7         | 91        | .1        | 57        | 33        | 1252      | 7.43    | 14        | 5        | ND        | 1         | 112       | 1         | 4         | 2         | 168      | 4.37    | .024   | 2         | 84        | 2.85    | 107       | .01     | 7        | .48     | .01     | .08    | 1        |
| RDH-87-29-37 | 1         | 53        | 2         | 60        | 1.2       | 50        | 29        | 1161      | 6.80    | 170       | 5        | ND        | 1         | 217       | 1         | 7         | 2         | 118      | 6.10    | .013   | 2         | 58        | 3.30    | 36        | .01     | 6        | .48     | .01     | .10    | 1        |
| RDH-87-29-38 | 1         | 9         | 3         | 31        | .6        | 6         | 4         | 414       | 1.87    | 35        | 5        | ND        | 1         | 221       | 1         | 2         | 2         | 8        | 5.28    | .007   | 8         | 21        | 2.22    | 61        | .01     | 9        | .36     | .01     | .21    | 1        |
| RDH-87-29-39 | 4         | 22        | 5         | 26        | .8        | 20        | 5         | 463       | 2.33    | 19        | 5        | ND        | 2         | 387       | 1         | 4         | 2         | 18       | 9.31    | .017   | 6         | 30        | 3.76    | 43        | .01     | 7        | .33     | .01     | .16    | 1        |
| RDH-87-29-40 | 3         | 67        | 8         | 49        | .2        | 37        | 26        | 889       | 5.59    | 19        | 5        | ND        | 1         | 121       | 1         | 3         | 2         | 111      | 3.66    | .033   | 3         | 52        | 2.19    | 133       | .07     | 8        | .87     | .06     | .12    | 1        |
| RDH-87-29-41 | 1         | 29        | 2         | 58        | .1        | 56        | 28        | 1123      | 6.73    | 8         | 5        | ND        | 1         | 162       | 1         | 2         | 2         | 129      | 6.33    | .023   | 2         | 55        | 3.66    | 29        | .01     | 6        | .42     | .01     | .07    | 1        |
| RDH-87-29-42 | 1         | 51        | 2         | 45        | .1        | 52        | 26        | 780       | 5.18    | 11        | 5        | ND        | 1         | 162       | 1         | 2         | 2         | 107      | 5.06    | .023   | 2         | 67        | 2.93    | 48        | .06     | 6        | .72     | .04     | .07    | 1        |
| RDH-87-29-43 | 1         | 46        | 2         | 46        | .1        | 50        | 23        | 723       | 4.64    | 17        | 5        | ND        | 1         | 95        | 1         | 2         | 5         | 94       | 3.32    | .050   | 6         | 66        | 2.12    | 135       | .14     | 7        | .88     | .06     | .25    | 1        |
| RDH-87-29-44 | 1         | 44        | 2         | 45        | .1        | 46        | 24        | 777       | 5.17    | 3         | 5        | ND        | 1         | 68        | 1         | 2         | 3         | 109      | 2.42    | .033   | 2         | 71        | 1.90    | 131       | .16     | 11       | 1.10    | .08     | .23    | 1        |
| RDH-87-29-45 | 1         | 47        | 2         | 26        | .1        | 33        | 18        | 437       | 3.33    | 2         | 5        | ND        | 1         | 29        | 1         | 2         | 2         | 93       | 1.70    | .026   | 2         | 48        | 1.28    | 58        | .16     | 3        | 1.32    | .15     | .13    | 1        |
| RDH-87-29-46 | 1         | 52        | 2         | 33        | .1        | 36        | 20        | 568       | 4.21    | 6         | 5        | ND        | 1         | 71        | 1         | 4         | 2         | 105      | 2.62    | .025   | 2         | 53        | 1.79    | 86        | .20     | 5        | 1.23    | .11     | .21    | 1        |
| RDH-87-29-47 | 1         | 29        | 2         | 28        | .2        | 45        | 17        | 447       | 3.41    | 2         | 5        | ND        | 1         | 33        | 1         | 2         | 2         | 85       | 1.68    | .025   | 2         | 83        | 1.41    | 55        | .17     | 5        | 1.22    | .11     | .12    | 1        |
| RDH-87-29-48 | 1         | 39        | 5         | 36        | .1        | 55        | 21        | 597       | 4.38    | 11        | 5        | ND        | 1         | 52        | 1         | 2         | 2         | 108      | 2.40    | .030   | 2         | 89        | 1.91    | 111       | .24     | 11       | 1.52    | .12     | .25    | 1        |
| RDH-87-29-49 | 1         | 83        | 2         | 41        | .3        | 39        | 27        | 701       | 5.09    | 2         | 5        | ND        | 2         | 41        | 1         | 2         | 2         | 142      | 2.01    | .036   | 2         | 58        | 1.80    | 56        | .16     | 7        | 1.47    | .13     | .13    | 2        |
| RDH-87-29-50 | 1         | 67        | 2         | 31        | .1        | 36        | 22        | 541       | 4.03    | 2         | 5        | ND        | 1         | 42        | 1         | 4         | 2         | 113      | 2.14    | .041   | 3         | 56        | 1.55    | 66        | .25     | 9        | 1.26    | .12     | .12    | 1        |
| RDH-87-29-51 | 1         | 32        | 2         | 47        | .2        | 37        | 20        | 825       | 4.86    | 23        | 5        | ND        | 2         | 116       | 1         | 2         | 2         | 72       | 4.47    | .060   | 9         | 50        | 2.78    | 55        | .05     | 8        | .79     | .02     | .09    | 1        |
| RDH-87-29-52 | 1         | 66        | 2         | 41        | .3        | 43        | 21        | 703       | 4.88    | 27        | 5        | ND        | 1         | 202       | 1         | 2         | 2         | 96       | 5.51    | .023   | 2         | 79        | 2.96    | 97        | .13     | 5        | .99     | .05     | .22    | 1        |
| RDH-87-29-53 | 1         | 36        | 2         | 41        | .1        | 49        | 22        | 618       | 4.61    | 9         | 5        | ND        | 1         | 63        | 1         | 2         | 2         | 110      | 2.77    | .036   | 2         | 96        | 1.86    | 118       | .26     | 5        | 1.51    | .11     | .23    | 1        |
| RDH-87-29-54 | 1         | 46        | 5         | 48        | .1        | 70        | 25        | 726       | 5.20    | 8         | 5        | ND        | 1         | 71        | 1         | 2         | 2         | 116      | 2.86    | .034   | 2         | 97        | 2.06    | 80        | .18     | 6        | 1.35    | .07     | .15    | 1        |
| RDH-87-29-55 | 1         | 46        | 2         | 30        | .2        | 49        | 18        | 511       | 3.44    | 33        | 5        | ND        | 1         | 51        | 1         | 2         | 2         | 83       | 2.49    | .039   | 2         | 83        | 1.47    | 123       | .26     | 5        | 1.29    | .12     | .24    | 1        |
| RDH-87-29-56 | 1         | 52        | 2         | 43        | .1        | 42        | 22        | 728       | 5.09    | 4         | 5        | ND        | 1         | 90        | 1         | 2         | 2         | 90       | 3.47    | .056   | 5         | 70        | 2.05    | 64        | .14     | 5        | 1.16    | .08     | .10    | 1        |
| RDH-87-30-1  | 2         | 18        | 5         | 33        | .1        | 1430      | 63        | 546       | 4.00    | 4         | 5        | ND        | 2         | 30        | 1         | 2         | 2         | 26       | .95     | .008   | 2         | 762       | 15.60   | 23        | .01     | 26       | .41     | .01     | .02    | 2        |
| RDH-87-30-2  | 2         | 17        | 6         | 30        | .1        | 1504      | 68        | 569       | 3.83    | 2         | 5        | ND        | 1         | 20        | 1         | 2         | 2         | 19       | .83     | .004   | 2         | 632       | 16.44   | 14        | .01     | 22       | .32     | .01     | .01    | 3        |
| RDH-87-30-3  | 1         | 18        | 2         | 24        | .1        | 959       | 46        | 500       | 3.71    | 2         | 5        | ND        | 1         | 36        | 1         | 2         | 2         | 51       | 3.00    | .013   | 2         | 547       | 11.45   | 21        | .14     | 17       | 1.45    | .01     | .09    | 1        |
| RDH-87-30-4  | 1         | 23        | 2         | 25        | .1        | 1188      | 60        | 583       | 4.12    | 2         | 5        | ND        | 1         | 61        | 1         | 2         | 2         | 43       | 2.56    | .008   | 2         | 784       | 12.69   | 24        | .08     | 20       | .77     | .01     | .05    | 1        |
| RDH-87-30-5  | 1         | 28        | 3         | 22        | .4        | 1154      | 57        | 531       | 3.73    | 7         | 5        | ND        | 2         | 60        | 1         | 2         | 2         | 25       | 1.08    | .001   | 2         | 970       | 13.86   | 24        | .01     | 22       | .35     | .01     | .01    | 1        |
| RDH-87-30-6  | 2         | 39        | 3         | 21        | .2        | 1120      | 58        | 613       | 3.82    | 6         | 5        | ND        | 2         | 267       | 1         | 2         | 2         | 24       | 2.05    | .003   | 2         | 847       | 14.29   | 31        | .01     | 19       | .60     | .01     | .02    | 1        |
| RDH-87-30-7  | 2         | 36        | 3         | 28        | .2        | 1526      | 70        | 608       | 4.37    | 2         | 5        | ND        | 2         | 83        | 1         | 2         | 2         | 24       | .88     | .003   | 2         | 883       | 16.83   | 19        | .01     | 32       | .34     | .01     | .01    | 1        |
| RDH-87-30-8  | 2         | 45        | 2         | 31        | .4        | 1584      | 73        | 616       | 4.23    | 5         | 5        | ND        | 3         | 27        | 1         | 2         | 2         | 22       | .70     | .003   | 2         | 762       | 17.22   | 11        | .01     | 35       | .30     | .01     | .02    | 2        |
| RDH-87-30-9  | 3         | 67        | 4         | 32        | .4        | 1681      | 86        | 713       | 4.16    | 4         | 5        | ND        | 3         | 18        | 1         | 2         | 2         | 15       | .78     | .002   | 2         | 613       | 18.09   | 7         | .01     | 43       | .17     | .01     | .02    | 5        |
| STD C        | 18        | 61        | 40        | 133       | 7.5       | 67        | 30        | 1055      | 4.10    | 41        | 17       | 8         | 39        | 53        | 18        | 17        | 22        | 59       | .47     | .084   | 40        | 63        | .86     | 180       | .09     | 38       | 1.90    | .06     | .14    | 12       |

P. 5710

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MX   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | MG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | %    | %    | PPM | PPM | %     | PPM | %   | PPM | %    | %   | %   | PPM |
| RDH-87-30-10 | 4   | 57  | 2   | 31  | .1  | 1749 | 85  | 738  | 4.75 | 6   | 5   | ND  | 3   | 18  | 1   | 7   | 2   | 24  | .88  | .001 | 2   | 801 | 22.79 | 7   | .01 | 47  | .27  | .01 | .01 | 2   |
| RDH-87-30-11 | 3   | 42  | 2   | 28  | .2  | 1593 | 75  | 612  | 4.60 | 3   | 5   | ND  | 4   | 25  | 1   | 9   | 2   | 31  | .83  | .003 | 2   | 923 | 20.90 | 14  | .01 | 57  | .42  | .01 | .02 | 1   |
| RDH-87-30-12 | 3   | 73  | 2   | 31  | .1  | 1760 | 86  | 659  | 4.79 | 5   | 5   | ND  | 4   | 16  | 1   | 6   | 2   | 25  | .87  | .002 | 2   | 816 | 22.03 | 13  | .01 | 63  | .31  | .01 | .01 | 1   |
| RDH-87-30-13 | 2   | 94  | 2   | 28  | .1  | 1731 | 93  | 644  | 4.42 | 7   | 5   | ND  | 2   | 37  | 1   | 7   | 2   | 13  | .45  | .001 | 2   | 586 | 17.02 | 8   | .01 | 26  | .15  | .01 | .02 | 1   |
| RDH-87-30-14 | 2   | 53  | 2   | 22  | .5  | 1246 | 65  | 794  | 3.74 | 32  | 5   | ND  | 3   | 165 | 1   | 10  | 2   | 12  | 3.21 | .001 | 2   | 347 | 12.52 | 46  | .01 | 7   | .40  | .01 | .07 | 1   |
| RDH-87-30-15 | 1   | 16  | 5   | 31  | .1  | 122  | 11  | 392  | 1.85 | 21  | 5   | ND  | 4   | 226 | 1   | 2   | 2   | 21  | 2.70 | .089 | 21  | 64  | 2.38  | 285 | .02 | 5   | .85  | .02 | .20 | 1   |
| RDH-87-30-16 | 4   | 77  | 9   | 111 | .2  | 178  | 26  | 844  | 4.19 | 29  | 5   | ND  | 5   | 611 | 1   | 6   | 2   | 58  | 6.86 | .163 | 21  | 140 | 4.31  | 228 | .01 | 4   | 1.03 | .02 | .12 | 1   |
| RDH-87-30-17 | 1   | 15  | 5   | 44  | .4  | 190  | 13  | 375  | 1.97 | 35  | 5   | ND  | 3   | 145 | 1   | 5   | 2   | 16  | 3.43 | .049 | 7   | 92  | 2.39  | 74  | .01 | 7   | .58  | .04 | .15 | 2   |
| RDH-87-30-18 | 1   | 5   | 2   | 39  | .1  | 57   | 6   | 256  | 1.31 | 23  | 5   | ND  | 1   | 97  | 1   | 2   | 2   | 6   | 2.52 | .028 | 4   | 34  | 1.48  | 52  | .01 | 6   | .47  | .02 | .14 | 1   |
| RDH-87-30-19 | 1   | 2   | 2   | 38  | .6  | 38   | 5   | 252  | 1.30 | 81  | 5   | ND  | 3   | 84  | 1   | 2   | 3   | 4   | 2.33 | .027 | 4   | 26  | 1.19  | 45  | .01 | 5   | .46  | .02 | .15 | 8   |
| RDH-87-30-20 | 1   | 2   | 2   | 34  | .5  | 23   | 4   | 208  | 1.07 | 17  | 5   | ND  | 2   | 65  | 1   | 2   | 2   | 5   | 1.95 | .025 | 3   | 21  | .99   | 37  | .01 | 3   | .39  | .02 | .12 | 1   |
| RDH-87-30-21 | 1   | 1   | 3   | 39  | .3  | 21   | 3   | 171  | .99  | 84  | 5   | ND  | 1   | 50  | 1   | 2   | 4   | 2   | 1.71 | .018 | 2   | 19  | .92   | 31  | .01 | 3   | .29  | .01 | .10 | 1   |
| RDH-87-30-22 | 1   | 2   | 2   | 34  | .3  | 10   | 4   | 231  | 1.06 | 14  | 5   | ND  | 1   | 81  | 1   | 2   | 2   | 1   | 2.56 | .023 | 3   | 12  | 1.11  | 31  | .01 | 2   | .29  | .02 | .11 | 1   |
| RDH-87-30-23 | 1   | 5   | 3   | 30  | .1  | 6    | 3   | 238  | 1.07 | 19  | 5   | ND  | 2   | 69  | 1   | 2   | 2   | 1   | 2.30 | .025 | 3   | 9   | 1.04  | 40  | .01 | 9   | .39  | .02 | .13 | 1   |
| RDH-87-30-24 | 1   | 12  | 2   | 22  | .2  | 994  | 48  | 763  | 3.09 | 128 | 5   | ND  | 2   | 224 | 1   | 6   | 2   | 11  | 3.33 | .018 | 3   | 386 | 8.45  | 21  | .01 | 2   | .23  | .01 | .05 | 1   |
| RDH-87-30-25 | 1   | 6   | 2   | 21  | .2  | 1342 | 73  | 673  | 4.04 | 10  | 5   | ND  | 3   | 38  | 1   | 7   | 2   | 22  | .79  | .001 | 2   | 817 | 11.78 | 14  | .01 | 2   | .26  | .01 | .02 | 1   |
| RDH-87-30-26 | 1   | 6   | 2   | 23  | .1  | 1574 | 75  | 646  | 4.53 | 11  | 5   | ND  | 2   | 61  | 1   | 5   | 2   | 26  | 1.36 | .001 | 2   | 952 | 12.41 | 31  | .01 | 11  | .33  | .01 | .01 | 1   |
| RDH-87-30-27 | 1   | 19  | 2   | 31  | .1  | 619  | 39  | 945  | 4.34 | 136 | 5   | ND  | 1   | 270 | 1   | 11  | 2   | 65  | 6.93 | .015 | 2   | 251 | 5.44  | 46  | .11 | 4   | 1.22 | .01 | .05 | 1   |
| RDH-87-30-28 | 1   | 59  | 2   | 35  | .1  | 77   | 21  | 596  | 4.02 | 2   | 5   | ND  | 2   | 40  | 1   | 2   | 2   | 110 | 2.52 | .034 | 2   | 86  | 1.92  | 53  | .25 | 5   | 1.42 | .08 | .06 | 1   |
| RDH-87-31-1  | 2   | 69  | 5   | 18  | .1  | 1089 | 65  | 554  | 3.63 | 30  | 5   | ND  | 2   | 93  | 1   | 5   | 2   | 19  | 1.49 | .006 | 2   | 523 | 11.80 | 42  | .01 | 6   | .28  | .01 | .02 | 1   |
| RDH-87-31-2  | 2   | 38  | 6   | 29  | .1  | 1445 | 72  | 671  | 4.30 | 8   | 5   | ND  | 3   | 30  | 1   | 5   | 2   | 23  | 1.23 | .005 | 2   | 765 | 18.38 | 57  | .01 | 15  | .29  | .01 | .02 | 1   |
| RDH-87-31-3  | 2   | 30  | 8   | 26  | .1  | 1402 | 70  | 711  | 3.70 | 8   | 5   | ND  | 3   | 33  | 1   | 7   | 2   | 18  | .88  | .002 | 2   | 588 | 16.45 | 492 | .01 | 11  | .24  | .01 | .01 | 1   |
| RDH-87-31-4  | 3   | 31  | 2   | 46  | .1  | 1437 | 73  | 770  | 4.01 | 8   | 5   | ND  | 4   | 34  | 1   | 5   | 2   | 21  | .88  | .002 | 2   | 796 | 17.16 | 47  | .01 | 11  | .28  | .01 | .02 | 1   |
| RDH-87-31-5  | 3   | 28  | 2   | 27  | .1  | 1359 | 70  | 672  | 4.12 | 18  | 5   | ND  | 2   | 60  | 1   | 12  | 2   | 26  | 1.64 | .001 | 2   | 855 | 14.92 | 86  | .01 | 9   | .38  | .01 | .01 | 1   |
| RDH-87-31-6  | 1   | 11  | 10  | 34  | 1.0 | 310  | 16  | 499  | 2.13 | 26  | 5   | ND  | 5   | 123 | 1   | 9   | 2   | 8   | 2.73 | .044 | 18  | 138 | 3.53  | 161 | .01 | 8   | .55  | .01 | .22 | 2   |
| RDH-87-31-7  | 1   | 7   | 50  | 37  | .7  | 139  | 11  | 439  | 1.88 | 13  | 5   | ND  | 7   | 91  | 1   | 4   | 2   | 8   | 2.47 | .054 | 23  | 91  | 2.12  | 364 | .01 | 7   | .59  | .03 | .27 | 4   |
| RDH-87-31-8  | 1   | 6   | 7   | 112 | .1  | 119  | 11  | 462  | 1.91 | 9   | 5   | ND  | 7   | 93  | 1   | 2   | 2   | 12  | 2.48 | .059 | 22  | 85  | 1.96  | 371 | .01 | 12  | .70  | .03 | .27 | 2   |
| RDH-87-31-9  | 1   | 6   | 11  | 40  | 1.0 | 50   | 6   | 411  | 1.66 | 16  | 5   | ND  | 7   | 112 | 1   | 2   | 4   | 5   | 2.61 | .056 | 22  | 35  | 1.42  | 136 | .01 | 5   | .51  | .02 | .24 | 3   |
| RDH-87-31-10 | 1   | 9   | 13  | 33  | 1.3 | 39   | 6   | 398  | 1.59 | 20  | 5   | ND  | 7   | 114 | 1   | 2   | 2   | 4   | 2.52 | .054 | 21  | 34  | 1.26  | 101 | .01 | 5   | .54  | .02 | .23 | 2   |
| RDH-87-31-11 | 3   | 20  | 15  | 34  | 1.4 | 361  | 19  | 431  | 2.09 | 49  | 5   | ND  | 7   | 144 | 1   | 6   | 2   | 6   | 2.21 | .032 | 15  | 93  | 3.90  | 163 | .01 | 6   | .37  | .01 | .18 | 1   |
| RDH-87-31-12 | 2   | 42  | 24  | 27  | 3.6 | 934  | 40  | 541  | 2.68 | 426 | 5   | ND  | 4   | 459 | 1   | 65  | 2   | 8   | 6.01 | .002 | 2   | 179 | 8.84  | 25  | .01 | 2   | .17  | .01 | .06 | 1   |
| RDH-87-31-13 | 1   | 6   | 8   | 16  | .8  | 116  | 7   | 266  | 1.37 | 76  | 5   | ND  | 8   | 278 | 1   | 10  | 2   | 6   | 4.77 | .018 | 25  | 29  | 2.60  | 56  | .01 | 6   | .31  | .01 | .09 | 1   |
| RDH-87-31-14 | 1   | 4   | 4   | 12  | .6  | 67   | 4   | 126  | .63  | 11  | 5   | ND  | 11  | 89  | 1   | 3   | 2   | 6   | 1.99 | .031 | 38  | 33  | 1.04  | 138 | .01 | 5   | .36  | .04 | .12 | 4   |
| RDH-87-31-15 | 1   | 2   | 7   | 11  | .2  | 118  | 5   | 127  | .70  | 25  | 5   | ND  | 9   | 92  | 1   | 2   | 3   | 10  | 1.82 | .031 | 37  | 48  | 1.07  | 72  | .01 | 5   | .42  | .05 | .07 | 9   |
| STD C        | 19  | 59  | 37  | 129 | 7.6 | 71   | 30  | 1045 | 4.11 | 43  | 23  | 8   | 41  | 52  | 18  | 17  | 20  | 59  | .47  | .081 | 41  | 58  | .89   | 175 | .09 | 36  | 1.93 | .06 | .14 | 12  |

PC 5710

| SAMPLE#      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | MG    | BA  | TI  | S   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPH | PPH | PPH | PPH | PPH | PPH  | PPH | PPH  | %    | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | %    | %    | PPH | PPH  | %     | PPH | %   | PPH | %    | %   | %   | PPH |
| RDH-87-31-16 | 2   | 7   | 33  | 47  | 1.4 | 96   | 7   | 420  | 1.91 | 49  | 5   | ND  | 4   | 174 | 1   | 2   | 2   | 8   | 2.67 | .014 | 11  | 75   | 2.61  | 69  | .01 | 2   | .78  | .02 | .13 | 1   |
| RDH-87-31-17 | 4   | 34  | 7   | 53  | .1  | 78   | 15  | 612  | 3.00 | 22  | 5   | ND  | 1   | 284 | 1   | 2   | 2   | 33  | 4.15 | .064 | 11  | 188  | 3.17  | 78  | .01 | 2   | 1.05 | .02 | .11 | 1   |
| RDH-87-31-18 | 1   | 29  | 7   | 42  | .3  | 106  | 12  | 487  | 2.26 | 12  | 5   | ND  | 1   | 230 | 1   | 2   | 2   | 29  | 3.45 | .044 | 7   | 161  | 2.91  | 67  | .01 | 2   | 1.16 | .01 | .10 | 1   |
| RDH-87-31-19 | 1   | 12  | 8   | 38  | .1  | 17   | 3   | 262  | 1.05 | 2   | 5   | ND  | 1   | 76  | 1   | 2   | 2   | 3   | 2.25 | .024 | 6   | 25   | 1.00  | 51  | .01 | 2   | .29  | .03 | .09 | 1   |
| RDH-87-31-20 | 1   | 9   | 2   | 31  | .4  | 6    | 2   | 278  | 1.16 | 7   | 5   | ND  | 1   | 83  | 1   | 2   | 3   | 2   | 3.24 | .022 | 5   | 19   | 1.29  | 30  | .01 | 3   | .28  | .02 | .09 | 1   |
| RDH-87-31-21 | 1   | 11  | 2   | 33  | .1  | 1    | 3   | 240  | .96  | 2   | 5   | ND  | 1   | 69  | 1   | 2   | 2   | 1   | 2.28 | .022 | 6   | 16   | .86   | 30  | .01 | 2   | .25  | .02 | .08 | 1   |
| RDH-87-31-22 | 1   | 5   | 4   | 48  | .1  | 3    | 3   | 244  | 1.04 | 2   | 5   | ND  | 1   | 75  | 1   | 2   | 2   | 1   | 2.55 | .025 | 6   | 20   | .92   | 36  | .01 | 2   | .27  | .03 | .09 | 1   |
| RDH-87-31-23 | 1   | 6   | 9   | 35  | .4  | 2    | 3   | 252  | .96  | 2   | 5   | ND  | 1   | 72  | 1   | 2   | 4   | 2   | 2.27 | .023 | 6   | 21   | .86   | 93  | .01 | 3   | .24  | .04 | .10 | 1   |
| RDH-87-31-24 | 1   | 6   | 3   | 36  | .4  | 2    | 2   | 244  | .98  | 2   | 5   | ND  | 1   | 67  | 1   | 2   | 2   | 1   | 2.35 | .023 | 6   | 20   | .82   | 36  | .01 | 2   | .25  | .03 | .10 | 1   |
| RDH-87-31-25 | 1   | 9   | 3   | 31  | .2  | 1    | 2   | 260  | 1.04 | 4   | 5   | ND  | 1   | 79  | 1   | 2   | 4   | 1   | 2.71 | .023 | 4   | 20   | .98   | 42  | .01 | 2   | .31  | .03 | .12 | 1   |
| RDH-87-31-26 | 1   | 9   | 2   | 27  | .4  | 2    | 2   | 238  | .81  | 2   | 5   | ND  | 2   | 57  | 1   | 2   | 3   | 1   | 2.10 | .024 | 6   | 16   | .82   | 47  | .01 | 2   | .27  | .02 | .11 | 1   |
| RDH-87-31-27 | 1   | 53  | 7   | 45  | .3  | 181  | 19  | 471  | 3.07 | 26  | 5   | ND  | 2   | 239 | 1   | 2   | 2   | 47  | 3.36 | .060 | 7   | 222  | 3.89  | 74  | .01 | 2   | 1.83 | .02 | .07 | 1   |
| RDH-87-31-28 | 1   | 67  | 6   | 56  | .7  | 158  | 30  | 840  | 4.82 | 69  | 5   | ND  | 6   | 592 | 1   | 2   | 2   | 106 | 6.49 | .182 | 20  | 344  | 5.56  | 209 | .01 | 8   | 2.24 | .02 | .04 | 1   |
| RDH-87-31-29 | 1   | 56  | 5   | 49  | .1  | 413  | 32  | 839  | 4.61 | 62  | 5   | ND  | 1   | 472 | 1   | 2   | 2   | 93  | 5.44 | .136 | 11  | 298  | 7.17  | 134 | .01 | 2   | 2.40 | .04 | .04 | 1   |
| RDH-87-31-30 | 2   | 66  | 2   | 47  | .1  | 711  | 47  | 887  | 5.07 | 62  | 5   | ND  | 3   | 472 | 1   | 2   | 2   | 71  | 5.29 | .199 | 21  | 234  | 9.32  | 196 | .03 | 2   | 1.90 | .01 | .13 | 1   |
| RDH-87-32-1  | 2   | 18  | 24  | 41  | .1  | 898  | 39  | 597  | 3.47 | 17  | 5   | ND  | 1   | 145 | 1   | 2   | 2   | 24  | 3.00 | .018 | 4   | 227  | 10.13 | 53  | .04 | 8   | .42  | .02 | .04 | 4   |
| RDH-87-32-2  | 1   | 11  | 8   | 32  | .1  | 1016 | 49  | 777  | 3.29 | 101 | 5   | ND  | 1   | 155 | 1   | 21  | 2   | 13  | 3.01 | .004 | 2   | 180  | 11.23 | 22  | .01 | 4   | .14  | .01 | .02 | 1   |
| RDH-87-32-3  | 2   | 37  | 5   | 18  | .1  | 964  | 46  | 617  | 3.31 | 124 | 5   | ND  | 1   | 132 | 1   | 17  | 2   | 11  | 2.97 | .002 | 2   | 180  | 10.87 | 20  | .01 | 2   | .10  | .01 | .03 | 1   |
| RDH-87-32-4  | 1   | 58  | 3   | 40  | .1  | 474  | 42  | 608  | 5.46 | 18  | 5   | ND  | 1   | 84  | 1   | 2   | 2   | 99  | 2.71 | .037 | 2   | 127  | 6.59  | 86  | .09 | 2   | 1.16 | .03 | .36 | 1   |
| RDH-87-32-5  | 1   | 9   | 5   | 22  | .3  | 1325 | 55  | 602  | 4.43 | 18  | 5   | ND  | 3   | 128 | 1   | 2   | 2   | 21  | 2.85 | .004 | 2   | 305  | 13.27 | 22  | .01 | 7   | .13  | .01 | .05 | 5   |
| RDH-87-32-6  | 1   | 4   | 2   | 21  | .1  | 1209 | 46  | 559  | 3.52 | 4   | 5   | ND  | 1   | 108 | 1   | 2   | 2   | 16  | 2.74 | .001 | 2   | 397  | 15.19 | 26  | .01 | 4   | .07  | .01 | .02 | 1   |
| RDH-87-32-7  | 2   | 6   | 4   | 22  | .3  | 1254 | 51  | 646  | 3.48 | 95  | 5   | ND  | 2   | 195 | 1   | 3   | 2   | 13  | 4.63 | .001 | 2   | 341  | 14.69 | 22  | .01 | 7   | .06  | .01 | .03 | 1   |
| RDH-87-32-8  | 1   | 9   | 5   | 27  | .1  | 1194 | 52  | 656  | 3.75 | 14  | 5   | ND  | 2   | 288 | 1   | 2   | 2   | 18  | 5.24 | .003 | 2   | 495  | 13.49 | 31  | .01 | 7   | .16  | .01 | .03 | 1   |
| RDH-87-32-9  | 1   | 5   | 7   | 34  | .1  | 1415 | 86  | 1013 | 4.82 | 14  | 5   | ND  | 1   | 369 | 1   | 2   | 2   | 18  | 6.89 | .001 | 2   | 732  | 9.39  | 55  | .01 | 2   | .36  | .01 | .02 | 2   |
| RDH-87-32-10 | 1   | 6   | 11  | 37  | .3  | 1251 | 76  | 855  | 4.57 | 6   | 5   | ND  | 2   | 177 | 1   | 2   | 2   | 24  | 3.30 | .002 | 2   | 1071 | 9.11  | 70  | .01 | 4   | .48  | .01 | .03 | 1   |
| RDH-87-32-11 | 1   | 4   | 3   | 26  | .3  | 1244 | 72  | 772  | 4.43 | 2   | 5   | ND  | 4   | 144 | 1   | 2   | 2   | 27  | 2.48 | .002 | 2   | 1224 | 10.88 | 135 | .01 | 7   | .44  | .01 | .02 | 1   |
| RDH-87-32-12 | 1   | 5   | 3   | 24  | .1  | 1075 | 67  | 775  | 3.95 | 2   | 5   | ND  | 1   | 142 | 1   | 2   | 2   | 21  | 2.95 | .001 | 2   | 933  | 11.89 | 115 | .01 | 6   | .32  | .01 | .01 | 2   |
| RDH-87-32-13 | 1   | 6   | 4   | 35  | .2  | 1033 | 55  | 939  | 4.13 | 4   | 5   | ND  | 3   | 317 | 1   | 2   | 2   | 50  | 4.26 | .006 | 2   | 371  | 11.05 | 119 | .01 | 5   | 1.01 | .01 | .05 | 1   |
| RDH-87-32-14 | 1   | 6   | 8   | 34  | .1  | 1285 | 71  | 884  | 4.18 | 10  | 5   | ND  | 1   | 148 | 1   | 2   | 2   | 18  | 2.67 | .003 | 2   | 694  | 12.12 | 63  | .01 | 9   | .28  | .01 | .02 | 1   |
| RDH-87-32-15 | 1   | 6   | 7   | 29  | .3  | 1206 | 63  | 801  | 3.85 | 21  | 5   | ND  | 3   | 90  | 1   | 2   | 2   | 16  | 1.57 | .002 | 2   | 730  | 13.91 | 36  | .01 | 11  | .23  | .01 | .01 | 1   |
| RDH-87-32-16 | 1   | 9   | 10  | 31  | .1  | 1200 | 58  | 866  | 3.69 | 66  | 5   | ND  | 1   | 204 | 1   | 2   | 2   | 37  | 3.69 | .005 | 2   | 313  | 14.02 | 51  | .01 | 4   | .53  | .01 | .03 | 1   |
| RDH-87-32-17 | 1   | 10  | 2   | 27  | .1  | 1257 | 53  | 698  | 3.11 | 267 | 5   | ND  | 1   | 148 | 1   | 2   | 2   | 12  | 2.81 | .003 | 2   | 251  | 14.27 | 24  | .01 | 8   | .13  | .01 | .02 | 2   |
| STD C        | 19  | 59  | 41  | 126 | 7.1 | 65   | 29  | 1079 | 3.96 | 42  | 16  | 8   | 38  | 50  | 18  | 17  | 21  | 56  | .47  | .081 | 39  | 61   | .88   | 161 | .09 | 35  | 1.89 | .06 | .14 | 13  |
| RDH-87-32-18 | 2   | 7   | 5   | 29  | .2  | 1400 | 58  | 727  | 3.31 | 375 | 5   | ND  | 3   | 134 | 1   | 8   | 2   | 9   | 3.74 | .002 | 2   | 236  | 14.17 | 12  | .01 | 4   | .06  | .01 | .01 | 1   |
| RDH-87-32-19 | 2   | 8   | 3   | 25  | .1  | 1316 | 53  | 631  | 2.94 | 107 | 5   | ND  | 2   | 116 | 1   | 2   | 2   | 6   | 2.08 | .001 | 2   | 182  | 15.32 | 11  | .01 | 10  | .03  | .01 | .01 | 1   |
| RDH-87-32-20 | 1   | 9   | 4   | 20  | .1  | 1045 | 43  | 559  | 2.81 | 72  | 5   | ND  | 1   | 176 | 1   | 2   | 2   | 7   | 4.71 | .001 | 2   | 163  | 10.52 | 15  | .01 | 5   | .04  | .01 | .02 | 1   |
| RDH-87-32-21 | 1   | 24  | 5   | 20  | .6  | 941  | 50  | 664  | 3.61 | 88  | 5   | ND  | 2   | 300 | 1   | 7   | 2   | 21  | 7.87 | .003 | 2   | 195  | 8.98  | 42  | .01 | 4   | .14  | .01 | .03 | 1   |

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| SAMPLE#      | MO  | CU  | PS  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR  | HG    | BA  | TI  | B   | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | %    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-32-22 | 1   | 16  | 3   | 23  | .3  | 1243 | 58  | 629  | 3.41 | 153 | 5   | ND  | 5   | 204 | 1   | 9   | 2   | 10  | 4.89 | .001 | 2   | 236 | 10.60 | 13  | .01 | 2   | .04  | .01 | .02 | 1   |
| RDH-87-32-23 | 1   | 58  | 8   | 60  | .1  | 76   | 24  | 800  | 4.46 | 2   | 5   | ND  | 4   | 411 | 1   | 2   | 2   | 79  | 4.94 | .073 | 12  | 93  | 3.29  | 755 | .14 | 2   | 1.92 | .20 | .52 | 1   |
| RDH-87-32-24 | 1   | 68  | 3   | 57  | .7  | 104  | 32  | 1062 | 6.12 | 65  | 5   | ND  | 3   | 159 | 1   | 6   | 2   | 100 | 7.03 | .020 | 2   | 57  | 3.51  | 25  | .01 | 2   | .31  | .01 | .08 | 1   |
| RDH-87-32-25 | 1   | 53  | 2   | 47  | .4  | 119  | 33  | 1115 | 6.44 | 26  | 7   | ND  | 4   | 103 | 1   | 6   | 2   | 128 | 4.65 | .020 | 2   | 72  | 3.07  | 30  | .01 | 4   | .47  | .01 | .09 | 1   |
| RDH-87-33-1  | 2   | 20  | 16  | 63  | .1  | 1518 | 66  | 649  | 4.17 | 4   | 5   | ND  | 3   | 23  | 1   | 2   | 2   | 20  | .41  | .015 | 3   | 55  | 20.03 | 77  | .03 | 7   | .62  | .02 | .11 | 1   |
| RDH-87-33-2  | 2   | 20  | 7   | 40  | .2  | 91   | 7   | 236  | 1.18 | 8   | 5   | ND  | 3   | 68  | 1   | 4   | 2   | 21  | 1.31 | .021 | 4   | 40  | 16.18 | 73  | .05 | 6   | .51  | .01 | .06 | 1   |
| RDH-87-33-3  | 3   | 4   | 5   | 69  | .4  | 1828 | 76  | 564  | 4.08 | 7   | 5   | ND  | 5   | 12  | 1   | 2   | 2   | 7   | .30  | .005 | 2   | 50  | 23.77 | 20  | .01 | 3   | .13  | .01 | .05 | 1   |
| RDH-87-33-4  | 3   | 4   | 13  | 39  | .6  | 1897 | 77  | 577  | 4.10 | 8   | 5   | ND  | 4   | 4   | 1   | 2   | 2   | 4   | .30  | .003 | 2   | 57  | 24.67 | 19  | .01 | 10  | .12  | .01 | .04 | 1   |
| RDH-87-33-5  | 3   | 12  | 4   | 47  | .1  | 1834 | 75  | 576  | 4.21 | 4   | 5   | ND  | 3   | 12  | 1   | 2   | 2   | 10  | .21  | .007 | 2   | 78  | 23.31 | 42  | .02 | 10  | .32  | .01 | .06 | 1   |
| RDH-87-33-6  | 3   | 3   | 2   | 42  | .1  | 1984 | 82  | 579  | 4.15 | 6   | 5   | ND  | 2   | 4   | 1   | 3   | 2   | 1   | .09  | .002 | 2   | 49  | 25.83 | 4   | .01 | 5   | .03  | .01 | .02 | 1   |
| RDH-87-33-7  | 3   | 4   | 2   | 35  | .2  | 2036 | 84  | 602  | 4.26 | 4   | 5   | ND  | 3   | 1   | 1   | 2   | 2   | 1   | .08  | .001 | 2   | 40  | 26.73 | 1   | .01 | 8   | .01  | .01 | .02 | 1   |
| RDH-87-33-8  | 3   | 3   | 2   | 37  | .1  | 2036 | 84  | 601  | 4.21 | 7   | 5   | ND  | 1   | 3   | 1   | 2   | 2   | 1   | .07  | .001 | 2   | 42  | 26.58 | 1   | .01 | 3   | .01  | .01 | .01 | 1   |
| RDH-87-33-9  | 3   | 3   | 2   | 37  | .3  | 2021 | 83  | 617  | 4.34 | 3   | 5   | ND  | 2   | 1   | 1   | 2   | 2   | 1   | .07  | .001 | 2   | 27  | 26.23 | 1   | .01 | 8   | .01  | .01 | .01 | 1   |
| RDH-87-33-10 | 3   | 4   | 2   | 34  | .1  | 2016 | 82  | 633  | 4.30 | 4   | 5   | ND  | 2   | 1   | 1   | 2   | 2   | 1   | .24  | .001 | 2   | 62  | 25.74 | 1   | .01 | 6   | .01  | .01 | .02 | 1   |
| RDH-87-33-11 | 3   | 4   | 2   | 34  | .2  | 2017 | 83  | 629  | 4.17 | 4   | 5   | ND  | 3   | 1   | 1   | 2   | 2   | 1   | .11  | .001 | 2   | 39  | 26.28 | 1   | .01 | 5   | .01  | .01 | .01 | 1   |
| RDH-87-33-12 | 3   | 4   | 2   | 34  | .1  | 2054 | 85  | 631  | 4.40 | 3   | 5   | ND  | 1   | 1   | 1   | 2   | 3   | 1   | .04  | .001 | 2   | 100 | 26.41 | 1   | .01 | 7   | .01  | .01 | .01 | 1   |
| RDH-87-33-13 | 3   | 5   | 2   | 35  | .3  | 1970 | 82  | 593  | 4.22 | 2   | 5   | ND  | 3   | 1   | 1   | 2   | 2   | 1   | .07  | .001 | 2   | 49  | 25.21 | 1   | .01 | 9   | .01  | .01 | .01 | 1   |
| RDH-87-33-14 | 3   | 4   | 2   | 30  | .2  | 1885 | 78  | 603  | 4.40 | 2   | 5   | ND  | 1   | 1   | 1   | 2   | 2   | 4   | .08  | .001 | 2   | 264 | 23.48 | 1   | .01 | 21  | .03  | .01 | .01 | 1   |
| RDH-87-33-15 | 3   | 6   | 2   | 29  | .3  | 1744 | 75  | 591  | 4.44 | 2   | 5   | ND  | 4   | 1   | 1   | 2   | 2   | 6   | .14  | .001 | 2   | 321 | 21.77 | 1   | .01 | 24  | .04  | .01 | .02 | 1   |
| RDH-87-33-16 | 3   | 4   | 2   | 31  | .1  | 1856 | 78  | 659  | 4.38 | 3   | 5   | ND  | 2   | 1   | 1   | 2   | 2   | 6   | .13  | .001 | 2   | 305 | 23.60 | 1   | .01 | 19  | .05  | .01 | .01 | 1   |
| RDH-87-33-17 | 3   | 4   | 2   | 33  | .2  | 1953 | 79  | 619  | 4.10 | 5   | 5   | ND  | 2   | 1   | 1   | 2   | 2   | 3   | .15  | .001 | 2   | 159 | 24.27 | 1   | .01 | 13  | .03  | .01 | .01 | 1   |
| RDH-87-33-18 | 3   | 3   | 4   | 34  | .1  | 2258 | 83  | 611  | 4.10 | 2   | 5   | ND  | 1   | 1   | 1   | 2   | 2   | 1   | .08  | .001 | 2   | 46  | 26.40 | 1   | .01 | 6   | .01  | .01 | .01 | 1   |
| RDH-87-33-19 | 3   | 3   | 2   | 29  | .1  | 1864 | 75  | 591  | 4.09 | 6   | 5   | ND  | 1   | 1   | 1   | 2   | 2   | 6   | .20  | .001 | 2   | 301 | 23.35 | 1   | .01 | 9   | .06  | .01 | .01 | 1   |
| RDH-87-33-20 | 2   | 13  | 2   | 27  | .1  | 1681 | 72  | 663  | 4.44 | 7   | 5   | ND  | 1   | 5   | 1   | 2   | 2   | 14  | .35  | .001 | 2   | 471 | 21.42 | 5   | .01 | 24  | .15  | .01 | .01 | 1   |
| RDH-87-34-1  | 1   | 4   | 16  | 15  | .1  | 53   | 4   | 384  | .81  | 2   | 5   | ND  | 7   | 64  | 1   | 2   | 2   | 4   | 1.27 | .015 | 10  | 21  | 1.00  | 66  | .01 | 3   | .42  | .01 | .25 | 2   |
| RDH-87-34-2  | 1   | 3   | 15  | 21  | .2  | 127  | 6   | 405  | .92  | 2   | 5   | ND  | 8   | 78  | 1   | 2   | 2   | 4   | 1.24 | .014 | 12  | 37  | 1.78  | 38  | .01 | 4   | .36  | .01 | .24 | 2   |
| RDH-87-34-3  | 1   | 2   | 14  | 21  | .1  | 72   | 4   | 421  | .81  | 2   | 5   | ND  | 9   | 94  | 1   | 2   | 2   | 3   | 1.37 | .015 | 13  | 23  | 1.26  | 70  | .01 | 4   | .42  | .01 | .27 | 1   |
| RDH-87-34-4  | 1   | 2   | 25  | 12  | .3  | 26   | 1   | 287  | .55  | 5   | 5   | ND  | 11  | 70  | 1   | 2   | 2   | 1   | 1.72 | .005 | 7   | 13  | 1.02  | 45  | .01 | 2   | .32  | .01 | .19 | 1   |
| RDH-87-34-5  | 1   | 1   | 23  | 9   | .1  | 33   | 2   | 295  | .38  | 3   | 5   | ND  | 12  | 56  | 1   | 2   | 2   | 1   | .87  | .002 | 5   | 15  | .76   | 60  | .01 | 2   | .30  | .01 | .19 | 1   |
| RDH-87-34-6  | 1   | 1   | 15  | 7   | .1  | 21   | 1   | 170  | .23  | 2   | 5   | ND  | 13  | 56  | 1   | 2   | 2   | 1   | .44  | .001 | 6   | 13  | .50   | 79  | .01 | 2   | .31  | .01 | .21 | 1   |
| RDH-87-34-7  | 1   | 1   | 16  | 5   | .1  | 11   | 1   | 242  | .26  | 2   | 5   | ND  | 12  | 59  | 1   | 2   | 2   | 1   | .47  | .001 | 7   | 17  | .37   | 59  | .01 | 2   | .34  | .01 | .21 | 1   |
| RDH-87-34-8  | 1   | 1   | 26  | 7   | .1  | 15   | 1   | 267  | .19  | 4   | 5   | ND  | 15  | 54  | 1   | 2   | 2   | 1   | .47  | .002 | 8   | 12  | .44   | 50  | .01 | 2   | .34  | .01 | .20 | 1   |
| RDH-87-34-9  | 1   | 2   | 22  | 5   | .1  | 8    | 1   | 183  | .14  | 5   | 5   | ND  | 14  | 50  | 1   | 2   | 2   | 1   | .33  | .001 | 7   | 12  | .30   | 53  | .01 | 2   | .29  | .01 | .17 | 1   |
| RDH-87-34-10 | 1   | 3   | 12  | 5   | .1  | 8    | 1   | 228  | .18  | 2   | 5   | ND  | 15  | 48  | 1   | 2   | 2   | 1   | .39  | .001 | 8   | 13  | .34   | 20  | .01 | 2   | .32  | .01 | .19 | 1   |
| RDH-87-34-11 | 1   | 1   | 20  | 4   | .1  | 3    | 1   | 267  | .18  | 2   | 5   | ND  | 15  | 56  | 1   | 2   | 2   | 1   | .50  | .001 | 7   | 15  | .31   | 38  | .01 | 2   | .30  | .01 | .19 | 1   |
| RDH-87-34-12 | 1   | 5   | 17  | 5   | .1  | 1    | 1   | 251  | .20  | 3   | 5   | ND  | 13  | 57  | 1   | 2   | 2   | 1   | .48  | .001 | 6   | 10  | .30   | 15  | .01 | 2   | .29  | .01 | .18 | 1   |
| STD C        | 19  | 61  | 40  | 131 | 7.3 | 66   | 30  | 1056 | 3.95 | 45  | 24  | 7   | 38  | 52  | 19  | 17  | 20  | 59  | .46  | .084 | 40  | 57  | .89   | 178 | .09 | 35  | 1.92 | .06 | .13 | 11  |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPH | CU<br>PPH | PB<br>PPH | ZN<br>PPH | AG<br>PPH | NI<br>PPH | CO<br>PPH | MN<br>PPH | FE<br>% | AS<br>PPH | U<br>PPH | AU<br>PPH | TH<br>PPH | SR<br>PPH | CD<br>PPH | SB<br>PPH | BI<br>PPH | V<br>PPH | CA<br>% | P<br>% | LA<br>PPH | CR<br>PPH | MG<br>% | BA<br>PPH | TI<br>% | B<br>PPH | AL<br>% | NA<br>% | K<br>% | W<br>PPH |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-34-13 | 1         | 3         | 15        | 5         | .1        | 5         | 1         | 265       | .31     | 2         | 5        | ND        | 12        | 69        | 1         | 2         | 2         | 3        | .84     | .001   | 7         | 19        | .44     | 23        | .01     | 2        | .31     | .01     | .17    | 1        |
| RDH-87-34-14 | 1         | 48        | 14        | 45        | .1        | 52        | 19        | 1021      | 3.78    | 10        | 5        | ND        | 3         | 339       | 1         | 2         | 2         | 42       | 6.89    | .051   | 9         | 103       | 3.27    | 96        | .01     | 2        | .40     | .01     | .16    | 2        |
| RDH-87-34-15 | 1         | 11        | 11        | 17        | .1        | 13        | 4         | 522       | 1.04    | 2         | 5        | ND        | 9         | 185       | 1         | 2         | 2         | 10       | 2.82    | .009   | 8         | 27        | 1.31    | 38        | .01     | 2        | .32     | .01     | .13    | 1        |
| RDH-87-34-16 | 1         | 20        | 11        | 22        | .1        | 25        | 7         | 562       | 1.50    | 6         | 5        | ND        | 9         | 197       | 1         | 2         | 2         | 20       | 3.80    | .015   | 8         | 43        | 1.80    | 53        | .01     | 2        | .33     | .01     | .15    | 1        |
| RDH-87-34-17 | 1         | 47        | 5         | 50        | .1        | 74        | 22        | 896       | 4.33    | 5         | 5        | ND        | 3         | 447       | 1         | 2         | 2         | 65       | 6.96    | .053   | 9         | 107       | 4.04    | 288       | .01     | 3        | .40     | .01     | .15    | 1        |
| RDH-87-34-18 | 1         | 22        | 3         | 44        | .2        | 512       | 36        | 829       | 5.49    | 86        | 5        | ND        | 1         | 176       | 1         | 3         | 2         | 87       | 5.04    | .004   | 2         | 134       | 5.36    | 39        | .01     | 2        | .27     | .01     | .04    | 1        |
| RDH-87-34-19 | 1         | 54        | 6         | 58        | .1        | 85        | 23        | 729       | 4.70    | 5         | 5        | ND        | 3         | 336       | 1         | 2         | 2         | 87       | 4.01    | .075   | 13        | 142       | 3.46    | 425       | .15     | 2        | 2.18    | .19     | .38    | 1        |
| RDH-87-34-20 | 1         | 50        | 2         | 60        | .1        | 48        | 22        | 920       | 4.83    | 2         | 5        | ND        | 2         | 195       | 1         | 2         | 2         | 104      | 3.72    | .078   | 14        | 199       | 3.94    | 393       | .09     | 4        | 1.89    | .07     | .22    | 1        |
| RDH-87-35-1  | 1         | 22        | 4         | 43        | .1        | 304       | 21        | 338       | 2.45    | 2         | 5        | ND        | 2         | 58        | 1         | 2         | 2         | 37       | 1.17    | .041   | 7         | 347       | 4.47    | 303       | .08     | 4        | 1.53    | .04     | .20    | 1        |
| RDH-87-35-2  | 2         | 17        | 4         | 41        | .1        | 1257      | 54        | 532       | 3.42    | 12        | 5        | ND        | 1         | 38        | 1         | 2         | 2         | 12       | 1.45    | .011   | 2         | 332       | 13.28   | 74        | .01     | 51       | .58     | .01     | .05    | 1        |
| RDH-87-35-3  | 3         | 13        | 3         | 29        | .1        | 1634      | 70        | 547       | 3.97    | 10        | 5        | ND        | 1         | 28        | 1         | 3         | 2         | 4        | 1.31    | .003   | 2         | 205       | 16.99   | 15        | .01     | 55       | .16     | .01     | .02    | 1        |
| RDH-87-35-4  | 2         | 13        | 2         | 29        | .1        | 1504      | 63        | 512       | 3.38    | 16        | 5        | ND        | 1         | 38        | 1         | 2         | 2         | 3        | 1.77    | .003   | 2         | 209       | 14.73   | 9         | .01     | 36       | .12     | .01     | .01    | 1        |
| RDH-87-35-5  | 1         | 25        | 2         | 24        | .1        | 1281      | 55        | 551       | 3.09    | 28        | 5        | ND        | 1         | 47        | 1         | 2         | 2         | 9        | 3.41    | .004   | 2         | 236       | 9.24    | 21        | .01     | 23       | .29     | .01     | .02    | 1        |
| RDH-87-35-6  | 1         | 38        | 9         | 24        | .1        | 242       | 19        | 325       | 2.69    | 6         | 5        | ND        | 1         | 57        | 1         | 2         | 2         | 47       | 2.07    | .033   | 6         | 142       | 4.19    | 135       | .10     | 3        | 2.09    | .07     | .21    | 1        |
| RDH-87-35-7  | 1         | 51        | 2         | 28        | .1        | 64        | 16        | 224       | 2.45    | 2         | 5        | ND        | 1         | 49        | 1         | 2         | 2         | 63       | 1.77    | .038   | 3         | 68        | 1.84    | 244       | .17     | 2        | 2.48    | .23     | .39    | 1        |
| RDH-87-35-8  | 1         | 54        | 2         | 32        | .1        | 54        | 13        | 302       | 2.01    | 5         | 5        | ND        | 1         | 65        | 1         | 2         | 2         | 49       | 7.12    | .029   | 2         | 60        | .99     | 128       | .21     | 6        | 2.14    | .22     | .29    | 1        |
| RDH-87-35-9  | 2         | 69        | 2         | 24        | .1        | 27        | 15        | 232       | 2.18    | 2         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 58       | 1.52    | .039   | 4         | 63        | .98     | 156       | .15     | 2        | 1.10    | .13     | .15    | 2        |
| RDH-87-35-10 | 1         | 84        | 2         | 18        | .1        | 34        | 14        | 175       | 1.84    | 2         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 48       | 1.22    | .033   | 2         | 29        | .76     | 38        | .14     | 2        | 1.19    | .19     | .09    | 1        |
| RDH-87-35-11 | 1         | 66        | 4         | 19        | .3        | 34        | 13        | 224       | 1.73    | 3         | 5        | ND        | 1         | 27        | 1         | 4         | 3         | 45       | 1.51    | .037   | 2         | 39        | .68     | 17        | .17     | 2        | 1.06    | .17     | .06    | 1        |
| RDH-87-35-12 | 1         | 50        | 2         | 23        | .1        | 45        | 14        | 233       | 2.07    | 2         | 5        | ND        | 1         | 24        | 1         | 2         | 2         | 51       | 1.35    | .040   | 2         | 33        | .89     | 35        | .15     | 21       | 1.18    | .16     | .13    | 1        |
| RDH-87-35-13 | 1         | 46        | 2         | 24        | .1        | 44        | 12        | 230       | 1.78    | 13        | 5        | ND        | 1         | 46        | 1         | 2         | 2         | 53       | 1.88    | .034   | 2         | 65        | 1.07    | 24        | .16     | 2        | 1.91    | .25     | .04    | 1        |
| RDH-87-35-14 | 1         | 24        | 2         | 24        | .1        | 54        | 11        | 250       | 1.84    | 3         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 47       | 1.35    | .031   | 2         | 86        | 1.18    | 34        | .13     | 4        | 1.32    | .18     | .11    | 1        |
| RDH-87-35-15 | 1         | 53        | 2         | 22        | .2        | 38        | 13        | 260       | 2.09    | 2         | 5        | ND        | 1         | 27        | 1         | 2         | 2         | 65       | 1.59    | .036   | 2         | 53        | 1.01    | 15        | .20     | 3        | 1.21    | .18     | .06    | 1        |
| RDH-87-35-16 | 1         | 80        | 2         | 31        | .1        | 43        | 16        | 302       | 2.73    | 2         | 5        | ND        | 1         | 21        | 1         | 2         | 2         | 81       | 1.59    | .036   | 2         | 70        | 1.24    | 42        | .21     | 2        | 1.18    | .12     | .25    | 1        |
| RDH-87-35-17 | 1         | 110       | 2         | 24        | .2        | 52        | 16        | 455       | 2.66    | 2         | 5        | ND        | 1         | 40        | 1         | 2         | 2         | 67       | 4.96    | .029   | 2         | 58        | 1.04    | 20        | .20     | 2        | 1.66    | .10     | .06    | 2        |
| RDH-87-35-18 | 1         | 140       | 2         | 28        | .1        | 39        | 17        | 283       | 2.60    | 2         | 5        | ND        | 1         | 15        | 1         | 2         | 2         | 69       | 1.41    | .032   | 2         | 49        | .98     | 22        | .21     | 2        | .91     | .10     | .08    | 1        |
| RDH-87-35-19 | 1         | 109       | 2         | 21        | .1        | 39        | 14        | 249       | 1.97    | 2         | 5        | ND        | 1         | 22        | 1         | 2         | 2         | 51       | 2.10    | .030   | 2         | 38        | .73     | 39        | .25     | 3        | 1.08    | .13     | .15    | 1        |
| RDH-87-35-20 | 1         | 128       | 2         | 26        | .1        | 40        | 17        | 240       | 2.44    | 2         | 5        | ND        | 1         | 15        | 1         | 2         | 2         | 60       | 1.27    | .029   | 2         | 29        | .96     | 37        | .20     | 4        | 1.01    | .11     | .24    | 1        |
| RDH-87-35-21 | 1         | 122       | 2         | 24        | .1        | 61        | 16        | 255       | 2.23    | 2         | 5        | ND        | 1         | 19        | 1         | 2         | 2         | 53       | 1.56    | .032   | 2         | 48        | 1.05    | 24        | .22     | 2        | .99     | .10     | .09    | 1        |
| RDH-87-36-1  | 3         | 8         | 8         | 28        | .1        | 1305      | 58        | 535       | 3.93    | 16        | 5        | ND        | 2         | 15        | 1         | 2         | 2         | 23       | .40     | .004   | 2         | 957       | 16.79   | 15        | .01     | 47       | .49     | .01     | .03    | 1        |
| RDH-87-36-2  | 3         | 15        | 19        | 26        | .2        | 1336      | 60        | 562       | 3.94    | 30        | 5        | ND        | 2         | 32        | 1         | 4         | 2         | 23       | .45     | .002   | 2         | 1061      | 17.86   | 11        | .01     | 41       | .46     | .01     | .02    | 1        |
| RDH-87-36-3  | 3         | 16        | 2         | 24        | .1        | 1342      | 42        | 801       | 3.63    | 100       | 5        | ND        | 2         | 117       | 1         | 2         | 2         | 11       | 1.51    | .001   | 2         | 504       | 17.00   | 37        | .01     | 43       | .21     | .01     | .01    | 1        |
| RDH-87-36-4  | 3         | 8         | 5         | 21        | .1        | 1305      | 59        | 539       | 3.59    | 20        | 5        | ND        | 2         | 72        | 1         | 2         | 2         | 14       | 1.04    | .001   | 2         | 835       | 15.78   | 10        | .01     | 40       | .28     | .01     | .01    | 1        |
| RDH-87-36-5  | 3         | 8         | 2         | 22        | .1        | 1403      | 67        | 598       | 4.13    | 14        | 5        | ND        | 1         | 39        | 1         | 2         | 2         | 14       | .69     | .002   | 2         | 808       | 17.09   | 5         | .01     | 52       | .28     | .01     | .01    | 1        |
| RDH-87-36-6  | 3         | 9         | 2         | 24        | .2        | 1385      | 65        | 397       | 3.70    | 6         | 5        | ND        | 2         | 34        | 1         | 2         | 2         | 26       | .39     | .002   | 2         | 961       | 16.10   | 22        | .01     | 46       | .51     | .01     | .02    | 1        |
| RDH-87-36-7  | 3         | 11        | 4         | 18        | .2        | 1321      | 62        | 472       | 3.99    | 8         | 5        | ND        | 2         | 42        | 1         | 2         | 2         | 31       | .48     | .001   | 2         | 948       | 16.99   | 5         | .01     | 42       | .70     | .01     | .01    | 1        |
| STD C        | 18        | 57        | 38        | 133       | 7.5       | 68        | 30        | 1027      | 4.07    | 43        | 15       | 8         | 39        | 52        | 18        | 17        | 22        | 57       | .48     | .088   | 39        | 61        | .88     | 183       | .09     | 31       | 1.91    | .06     | .13    | 12       |

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| SAMPLE#      | MO<br>PPH | CU<br>PPH | PB<br>PPH | ZN<br>PPH | AG<br>PPH | NI<br>PPH | CO<br>PPH | MN<br>PPH | FE<br>% | AS<br>PPH | U<br>PPH | AU<br>PPH | TH<br>PPH | SR<br>PPH | CD<br>PPH | SB<br>PPH | BI<br>PPH | V<br>PPH | CA<br>% | P<br>% | LA<br>PPH | CR<br>PPH | HG<br>% | BA<br>PPH | TI<br>% | B<br>PPH | AL<br>% | HA<br>% | K<br>% | W<br>PPH |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-36-8  | 1         | 9         | 3         | 15        | .1        | 1280      | 61        | 558       | 3.77    | 36        | 5        | ND        | 1         | 96        | 1         | 2         | 2         | 16       | 1.18    | .001   | 2         | 729       | 15.24   | 7         | .01     | 7        | .25     | .01     | .01    | 1        |
| RDH-87-36-9  | 1         | 11        | 2         | 15        | .3        | 1241      | 61        | 617       | 4.03    | 112       | 5        | ND        | 2         | 172       | 1         | 2         | 2         | 20       | 1.69    | .007   | 5         | 814       | 15.10   | 161       | .01     | 2        | .33     | .01     | .05    | 1        |
| RDH-87-36-10 | 1         | 18        | 6         | 21        | .1        | 1009      | 49        | 720       | 4.13    | 202       | 5        | ND        | 2         | 170       | 1         | 2         | 2         | 29       | 2.37    | .003   | 11        | 461       | 14.85   | 32        | .01     | 2        | .26     | .01     | .04    | 1        |
| RDH-87-36-11 | 1         | 13        | 2         | 17        | .1        | 1201      | 54        | 661       | 3.87    | 70        | 5        | ND        | 1         | 167       | 1         | 2         | 2         | 19       | 2.70    | .001   | 4         | 299       | 14.67   | 55        | .01     | 2        | .13     | .01     | .03    | 1        |
| RDH-87-36-12 | 2         | 9         | 6         | 18        | .5        | 1433      | 63        | 633       | 4.13    | 89        | 5        | ND        | 4         | 78        | 1         | 2         | 2         | 14       | 1.44    | .001   | 2         | 532       | 17.27   | 17        | .01     | 9        | .14     | .01     | .02    | 1        |
| RDH-87-36-13 | 1         | 11        | 2         | 14        | .3        | 1140      | 54        | 654       | 3.26    | 205       | 5        | ND        | 2         | 319       | 1         | 2         | 2         | 13       | 4.10    | .001   | 2         | 592       | 13.13   | 15        | .01     | 11       | .20     | .01     | .02    | 2        |
| RDH-87-36-14 | 1         | 15        | 8         | 20        | .2        | 1339      | 61        | 873       | 3.93    | 183       | 5        | ND        | 3         | 184       | 1         | 2         | 2         | 18       | 2.88    | .014   | 3         | 484       | 15.51   | 14        | .01     | 13       | .18     | .01     | .02    | 2        |
| RDH-87-36-15 | 1         | 25        | 4         | 26        | .2        | 1010      | 49        | 802       | 4.17    | 110       | 5        | ND        | 4         | 290       | 1         | 2         | 2         | 41       | 4.62    | .096   | 20        | 411       | 12.85   | 62        | .01     | 4        | .29     | .01     | .02    | 1        |
| RDH-87-36-16 | 2         | 19        | 4         | 25        | .1        | 1147      | 57        | 638       | 4.14    | 19        | 5        | ND        | 3         | 208       | 1         | 2         | 2         | 35       | 3.07    | .071   | 14        | 549       | 14.33   | 32        | .01     | 11       | .27     | .01     | .02    | 1        |
| RDH-87-36-17 | 1         | 37        | 6         | 41        | .2        | 819       | 46        | 1055      | 5.03    | 3         | 5        | ND        | 1         | 101       | 1         | 2         | 2         | 93       | 3.96    | .022   | 2         | 509       | 10.56   | 105       | .01     | 11       | .94     | .03     | .06    | 2        |
| RDH-87-36-18 | 1         | 75        | 8         | 85        | .1        | 89        | 29        | 773       | 8.19    | 2         | 5        | ND        | 1         | 81        | 1         | 2         | 2         | 255      | 1.98    | .053   | 4         | 59        | 4.91    | 50        | .05     | 8        | 3.09    | .13     | .12    | 2        |
| RDH-87-36-19 | 1         | 27        | 5         | 30        | .2        | 833       | 50        | 913       | 4.75    | 4         | 5        | ND        | 1         | 140       | 1         | 2         | 2         | 66       | 4.09    | .010   | 2         | 601       | 11.43   | 56        | .01     | 7        | .52     | .01     | .03    | 2        |
| RDH-87-36-20 | 1         | 31        | 5         | 41        | .1        | 780       | 44        | 822       | 4.92    | 10        | 5        | ND        | 1         | 192       | 1         | 2         | 2         | 77       | 4.11    | .026   | 3         | 297       | 9.90    | 175       | .01     | 2        | .73     | .03     | .06    | 2        |
| RDH-87-36-21 | 1         | 30        | 10        | 58        | .1        | 205       | 25        | 746       | 4.54    | 6         | 5        | ND        | 3         | 236       | 1         | 2         | 2         | 61       | 3.87    | .086   | 11        | 165       | 5.23    | 361       | .01     | 5        | .80     | .01     | .18    | 1        |
| RDH-87-36-22 | 1         | 24        | 8         | 60        | .1        | 234       | 27        | 797       | 4.63    | 3         | 5        | ND        | 4         | 150       | 1         | 2         | 2         | 58       | 3.68    | .088   | 11        | 166       | 5.05    | 159       | .01     | 5        | .83     | .01     | .16    | 1        |
| RDH-87-36-23 | 1         | 27        | 12        | 59        | .1        | 84        | 20        | 718       | 4.19    | 3         | 5        | ND        | 3         | 219       | 1         | 2         | 2         | 49       | 3.80    | .093   | 9         | 107       | 3.74    | 282       | .01     | 4        | .64     | .01     | .19    | 1        |
| RDH-87-36-24 | 2         | 27        | 7         | 49        | .6        | 301       | 29        | 756       | 4.36    | 6         | 5        | ND        | 4         | 238       | 1         | 2         | 2         | 42       | 4.09    | .071   | 6         | 144       | 5.47    | 233       | .01     | 2        | .55     | .01     | .17    | 2        |
| RDH-87-36-25 | 1         | 25        | 7         | 56        | .1        | 122       | 23        | 739       | 4.42    | 7         | 5        | ND        | 3         | 209       | 1         | 2         | 2         | 47       | 3.83    | .088   | 9         | 106       | 4.11    | 176       | .01     | 4        | .58     | .01     | .17    | 1        |
| RDH-87-36-26 | 2         | 19        | 2         | 29        | .4        | 984       | 51        | 898       | 4.00    | 14        | 5        | ND        | 3         | 351       | 1         | 2         | 2         | 24       | 4.57    | .016   | 2         | 198       | 10.97   | 199       | .01     | 4        | .29     | .01     | .08    | 1        |
| RDH-87-36-27 | 1         | 14        | 13        | 51        | .1        | 137       | 15        | 565       | 3.36    | 7         | 5        | ND        | 3         | 141       | 1         | 3         | 2         | 37       | 1.82    | .026   | 6         | 56        | 3.58    | 143       | .01     | 3        | .66     | .01     | .14    | 1        |
| RDH-87-36-28 | 2         | 5         | 15        | 47        | .1        | 49        | 10        | 587       | 3.19    | 2         | 5        | ND        | 5         | 153       | 1         | 2         | 2         | 43       | 2.19    | .047   | 14        | 31        | 2.35    | 375       | .01     | 3        | .78     | .02     | .21    | 1        |
| RDH-87-37-1  | 2         | 21        | 4         | 31        | .1        | 1498      | 66        | 543       | 3.95    | 9         | 5        | ND        | 2         | 18        | 1         | 3         | 2         | 28       | .51     | .005   | 2         | 1046      | 15.05   | 15        | .01     | 34       | .47     | .01     | .03    | 1        |
| RDH-87-37-2  | 2         | 12        | 4         | 24        | .1        | 1422      | 71        | 441       | 3.72    | 7         | 5        | ND        | 2         | 10        | 1         | 2         | 2         | 23       | .17     | .002   | 2         | 969       | 15.65   | 12        | .01     | 50       | .41     | .01     | .02    | 1        |
| RDH-87-37-3  | 2         | 20        | 2         | 23        | .3        | 1575      | 72        | 516       | 4.17    | 5         | 6        | ND        | 2         | 36        | 1         | 2         | 2         | 26       | .74     | .001   | 2         | 969       | 16.42   | 2         | .01     | 53       | .37     | .01     | .01    | 1        |
| RDH-87-37-4  | 2         | 23        | 3         | 22        | .1        | 1552      | 69        | 532       | 3.93    | 7         | 5        | ND        | 1         | 27        | 1         | 2         | 2         | 29       | .55     | .001   | 2         | 1106      | 16.31   | 3         | .01     | 37       | .45     | .01     | .01    | 1        |
| RDH-87-37-5  | 2         | 16        | 6         | 25        | .2        | 1680      | 77        | 577       | 4.43    | 8         | 5        | ND        | 1         | 16        | 1         | 2         | 2         | 24       | .30     | .001   | 2         | 1103      | 17.65   | 3         | .01     | 66       | .38     | .01     | .01    | 1        |
| RDH-87-37-6  | 2         | 13        | 3         | 23        | .2        | 1717      | 74        | 528       | 3.82    | 9         | 5        | ND        | 3         | 19        | 1         | 3         | 2         | 25       | .33     | .001   | 2         | 1111      | 16.86   | 3         | .01     | 47       | .38     | .01     | .01    | 1        |
| RDH-87-37-7  | 2         | 20        | 2         | 24        | .2        | 1554      | 67        | 609       | 3.99    | 5         | 6        | ND        | 3         | 23        | 1         | 2         | 2         | 25       | .45     | .001   | 2         | 1086      | 17.31   | 14        | .01     | 37       | .38     | .01     | .02    | 1        |
| RDH-87-37-8  | 2         | 10        | 2         | 26        | .3        | 1493      | 77        | 681       | 4.62    | 10        | 5        | ND        | 5         | 24        | 1         | 2         | 2         | 25       | .39     | .001   | 2         | 1088      | 18.91   | 43        | .01     | 55       | .39     | .01     | .02    | 1        |
| RDH-87-37-9  | 2         | 10        | 2         | 25        | .1        | 1462      | 76        | 618       | 4.41    | 13        | 5        | ND        | 2         | 15        | 1         | 2         | 2         | 23       | .20     | .001   | 2         | 1115      | 18.01   | 9         | .01     | 52       | .37     | .01     | .01    | 1        |
| RDH-87-37-10 | 2         | 27        | 4         | 26        | .4        | 1430      | 72        | 672       | 4.21    | 20        | 7        | ND        | 4         | 87        | 1         | 2         | 2         | 25       | .83     | .001   | 2         | 1115      | 17.24   | 28        | .01     | 37       | .39     | .01     | .02    | 1        |
| RDH-87-37-11 | 2         | 23        | 2         | 27        | .2        | 1683      | 75        | 618       | 4.28    | 12        | 5        | ND        | 2         | 48        | 1         | 4         | 2         | 26       | .60     | .001   | 2         | 1092      | 17.23   | 9         | .01     | 44       | .40     | .01     | .01    | 1        |
| RDH-87-37-12 | 1         | 42        | 6         | 26        | .3        | 1512      | 71        | 560       | 4.21    | 10        | 5        | ND        | 4         | 47        | 1         | 2         | 2         | 34       | .97     | .002   | 2         | 969       | 15.00   | 5         | .01     | 36       | .59     | .01     | .01    | 1        |
| RDH-87-37-13 | 2         | 38        | 4         | 26        | .1        | 1509      | 68        | 530       | 3.89    | 3         | 5        | ND        | 2         | 28        | 1         | 2         | 2         | 25       | .90     | .002   | 2         | 941       | 14.87   | 11        | .01     | 32       | .61     | .01     | .01    | 1        |
| RDH-87-37-14 | 2         | 31        | 6         | 27        | .1        | 1601      | 70        | 539       | 3.94    | 6         | 5        | ND        | 2         | 17        | 1         | 2         | 2         | 24       | .53     | .001   | 2         | 1029      | 16.01   | 3         | .01     | 29       | .45     | .01     | .01    | 1        |
| RDH-87-37-15 | 2         | 19        | 2         | 27        | .1        | 1498      | 67        | 569       | 3.87    | 5         | 5        | ND        | 2         | 12        | 1         | 2         | 2         | 23       | .33     | .001   | 2         | 1068      | 16.63   | 4         | .01     | 46       | .44     | .01     | .02    | 1        |
| STD C        | 19        | 58        | 41        | 130       | 7.4       | 68        | 29        | 1040      | 4.17    | 41        | 18       | 8         | 36        | 52        | 19        | 16        | 20        | 58       | .47     | .081   | 40        | 60        | .87     | 177       | .09     | 32       | 1.93    | .06     | .13    | 13       |

1/5 5770

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPH | CU<br>PPH | PB<br>PPH | ZN<br>PPH | AG<br>PPH | NI<br>PPH | CO<br>PPH | MN<br>PPH | FE<br>% | AS<br>PPH | U<br>PPH | AU<br>PPH | TH<br>PPH | SR<br>PPH | CD<br>PPH | SB<br>PPH | BI<br>PPH | V<br>PPH | CA<br>% | P<br>% | LA<br>PPH | CR<br>PPH | MG<br>% | BA<br>PPH | TI<br>% | B<br>PPH | AL<br>% | NA<br>% | K<br>% | W<br>PPH |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-37-16 | 1         | 22        | 8         | 26        | .1        | 1551      | 66        | 547       | 3.56    | 8         | 5        | ND        | 2         | 30        | 1         | 4         | 2         | 26       | 1.06    | .001   | 2         | 1104      | 14.21   | 1         | .01     | 24       | .77     | .01     | .01    | 1        |
| RDH-87-37-17 | 1         | 36        | 3         | 24        | .1        | 1589      | 69        | 364       | 3.23    | 8         | 5        | ND        | 1         | 16        | 1         | 3         | 2         | 21       | .34     | .001   | 2         | 1038      | 14.36   | 2         | .01     | 20       | .36     | .01     | .01    | 1        |
| RDH-87-37-18 | 1         | 26        | 3         | 24        | .1        | 1585      | 69        | 468       | 3.57    | 5         | 5        | ND        | 2         | 29        | 1         | 2         | 2         | 21       | .83     | .001   | 2         | 1026      | 15.39   | 1         | .01     | 30       | .35     | .01     | .01    | 1        |
| RDH-87-37-19 | 1         | 17        | 8         | 22        | .1        | 1494      | 67        | 495       | 3.61    | 7         | 5        | ND        | 1         | 58        | 1         | 3         | 2         | 20       | 1.91    | .001   | 2         | 970       | 16.34   | 3         | .01     | 24       | .36     | .01     | .01    | 1        |
| RDH-87-37-20 | 1         | 9         | 9         | 23        | .1        | 1440      | 76        | 565       | 3.71    | 8         | 5        | ND        | 1         | 43        | 1         | 2         | 2         | 17       | 1.22    | .001   | 2         | 887       | 17.63   | 2         | .01     | 34       | .37     | .01     | .01    | 1        |
| RDH-87-38-1  | 2         | 14        | 9         | 33        | .1        | 1514      | 68        | 492       | 4.35    | 13        | 5        | ND        | 2         | 29        | 1         | 2         | 2         | 16       | .55     | .003   | 2         | 405       | 19.57   | 12        | .01     | 25       | .37     | .01     | .02    | 1        |
| RDH-87-38-2  | 1         | 16        | 8         | 30        | .1        | 1474      | 66        | 630       | 4.08    | 12        | 5        | ND        | 1         | 13        | 1         | 2         | 2         | 21       | .95     | .004   | 2         | 791       | 16.79   | 6         | .01     | 26       | .49     | .01     | .01    | 1        |
| RDH-87-38-3  | 1         | 17        | 2         | 23        | .2        | 358       | 21        | 297       | 1.95    | 4         | 5        | ND        | 1         | 18        | 1         | 2         | 2         | 38       | 2.32    | .026   | 2         | 267       | 3.29    | 6         | .20     | 4        | 1.18    | .05     | .03    | 1        |
| RDH-87-38-4  | 1         | 36        | 8         | 27        | .3        | 48        | 10        | 299       | 2.31    | 2         | 5        | ND        | 1         | 11        | 1         | 2         | 2         | 82       | 1.65    | .041   | 2         | 45        | 1.14    | 3         | .49     | 2        | .87     | .10     | .05    | 1        |
| RDH-87-38-5  | 1         | 49        | 9         | 34        | .1        | 33        | 14        | 303       | 2.78    | 2         | 5        | ND        | 1         | 10        | 1         | 2         | 3         | 87       | 1.51    | .042   | 2         | 38        | 1.03    | 2         | .35     | 2        | .90     | .09     | .04    | 1        |
| RDH-87-38-6  | 1         | 41        | 12        | 33        | .1        | 18        | 12        | 283       | 2.63    | 2         | 5        | ND        | 1         | 8         | 1         | 2         | 2         | 78       | 1.22    | .042   | 2         | 27        | .83     | 8         | .30     | 2        | .82     | .08     | .09    | 1        |
| RDH-87-38-7  | 1         | 50        | 7         | 28        | .1        | 16        | 11        | 236       | 2.26    | 2         | 5        | ND        | 1         | 8         | 1         | 2         | 2         | 66       | .99     | .038   | 2         | 24        | .70     | 10        | .26     | 2        | .73     | .07     | .11    | 3        |
| RDH-87-38-8  | 1         | 54        | 9         | 26        | .1        | 16        | 11        | 239       | 2.27    | 2         | 5        | ND        | 1         | 7         | 1         | 2         | 2         | 71       | .93     | .036   | 2         | 26        | .70     | 10        | .23     | 2        | .78     | .08     | .10    | 1        |
| RDH-87-38-9  | 1         | 58        | 11        | 32        | .1        | 27        | 12        | 285       | 2.24    | 3         | 5        | ND        | 1         | 10        | 1         | 2         | 2         | 58       | .88     | .033   | 2         | 46        | .77     | 4         | .20     | 2        | .89     | .09     | .15    | 3        |
| RDH-87-38-10 | 2         | 51        | 6         | 42        | .1        | 32        | 11        | 352       | 1.74    | 3         | 5        | ND        | 1         | 9         | 1         | 2         | 2         | 33       | .72     | .013   | 6         | 53        | .53     | 6         | .13     | 2        | .65     | .05     | .11    | 24       |
| RDH-87-38-11 | 2         | 82        | 2         | 36        | .2        | 46        | 17        | 335       | 2.82    | 2         | 5        | ND        | 2         | 18        | 1         | 2         | 2         | 66       | 1.55    | .041   | 2         | 81        | .97     | 7         | .27     | 2        | 1.24    | .11     | .17    | 6        |
| RDH-87-38-12 | 2         | 106       | 8         | 66        | .1        | 53        | 23        | 393       | 4.06    | 2         | 5        | ND        | 1         | 15        | 1         | 2         | 3         | 77       | 1.43    | .037   | 2         | 154       | 1.16    | 13        | .33     | 2        | 1.40    | .10     | .41    | 6        |
| RDH-87-38-13 | 1         | 67        | 5         | 24        | .2        | 45        | 15        | 267       | 2.31    | 5         | 5        | ND        | 1         | 14        | 1         | 2         | 2         | 62       | 1.61    | .043   | 2         | 66        | .82     | 1         | .31     | 2        | 1.03    | .15     | .07    | 4        |
| RDH-87-38-14 | 1         | 71        | 3         | 27        | .1        | 44        | 16        | 307       | 2.59    | 4         | 5        | ND        | 1         | 19        | 1         | 2         | 2         | 74       | 2.17    | .041   | 2         | 81        | .95     | 1         | .35     | 2        | 1.31    | .16     | .06    | 4        |
| RDH-87-38-15 | 1         | 52        | 6         | 23        | .3        | 23        | 9         | 239       | 2.04    | 2         | 5        | ND        | 1         | 17        | 1         | 2         | 2         | 64       | 1.62    | .037   | 2         | 56        | .86     | 1         | .28     | 3        | 1.12    | .15     | .05    | 3        |
| RDH-87-38-16 | 1         | 62        | 9         | 19        | .1        | 19        | 9         | 244       | 1.80    | 4         | 5        | ND        | 1         | 38        | 1         | 2         | 2         | 58       | 2.27    | .028   | 2         | 52        | .78     | 3         | .35     | 2        | 1.93    | .23     | .05    | 2        |
| RDH-87-38-17 | 1         | 48        | 24        | 25        | .1        | 19        | 11        | 210       | 1.92    | 3         | 5        | ND        | 1         | 19        | 1         | 2         | 2         | 53       | 1.42    | .029   | 2         | 29        | .62     | 1         | .22     | 2        | 1.12    | .14     | .03    | 1        |
| RDH-87-38-18 | 1         | 61        | 3         | 26        | .1        | 18        | 12        | 261       | 2.36    | 2         | 5        | ND        | 1         | 27        | 1         | 2         | 2         | 68       | 1.84    | .031   | 2         | 33        | .78     | 1         | .24     | 3        | 1.58    | .17     | .03    | 1        |
| RDH-87-38-19 | 1         | 56        | 8         | 21        | .2        | 17        | 11        | 233       | 2.09    | 4         | 5        | ND        | 1         | 23        | 1         | 2         | 2         | 60       | 1.47    | .030   | 2         | 23        | .71     | 1         | .20     | 2        | 1.28    | .15     | .03    | 2        |
| RDH-87-38-20 | 1         | 63        | 7         | 49        | .1        | 25        | 11        | 218       | 1.82    | 2         | 5        | ND        | 1         | 40        | 1         | 2         | 2         | 51       | 2.04    | .027   | 2         | 35        | .67     | 1         | .26     | 2        | 2.02    | .28     | .04    | 2        |
| RDH-87-38-21 | 1         | 60        | 5         | 22        | .1        | 22        | 12        | 230       | 2.09    | 2         | 5        | ND        | 1         | 22        | 1         | 2         | 2         | 57       | 1.58    | .032   | 2         | 24        | .69     | 1         | .19     | 4        | 1.29    | .18     | .03    | 2        |
| RDH-87-38-22 | 1         | 61        | 8         | 19        | .1        | 24        | 12        | 199       | 1.92    | 2         | 5        | ND        | 1         | 26        | 1         | 2         | 2         | 49       | 1.43    | .031   | 2         | 24        | .57     | 1         | .21     | 2        | 1.38    | .18     | .03    | 2        |
| RDH-87-38-23 | 1         | 59        | 4         | 17        | .1        | 26        | 11        | 160       | 1.68    | 2         | 5        | ND        | 1         | 18        | 1         | 2         | 2         | 42       | 1.05    | .029   | 2         | 25        | .56     | 1         | .19     | 2        | 1.09    | .12     | .03    | 1        |
| RDH-87-38-24 | 1         | 61        | 3         | 17        | .1        | 33        | 17        | 166       | 1.55    | 2         | 5        | ND        | 1         | 17        | 1         | 2         | 2         | 40       | 1.11    | .034   | 2         | 37        | .62     | 1         | .21     | 3        | .94     | .11     | .01    | 23       |
| RDH-87-39-1  | 1         | 14        | 6         | 35        | .1        | 63        | 14        | 470       | 3.27    | 4         | 5        | ND        | 1         | 35        | 1         | 2         | 2         | 116      | 2.06    | .052   | 2         | 45        | 1.40    | 18        | .23     | 4        | 1.74    | .35     | .05    | 1        |
| RDH-87-39-2  | 1         | 19        | 7         | 37        | .1        | 26        | 12        | 456       | 3.18    | 3         | 5        | ND        | 1         | 24        | 1         | 2         | 2         | 120      | 1.94    | .054   | 2         | 25        | 1.08    | 10        | .28     | 2        | 1.43    | .31     | .04    | 1        |
| RDH-87-39-3  | 1         | 17        | 20        | 44        | .3        | 315       | 23        | 444       | 3.71    | 5         | 5        | ND        | 1         | 12        | 1         | 2         | 2         | 115      | 2.02    | .041   | 2         | 356       | 3.21    | 9         | .26     | 2        | 2.78    | .19     | .04    | 1        |
| RDH-87-39-4  | 1         | 18        | 6         | 47        | .2        | 308       | 27        | 411       | 3.95    | 4         | 5        | ND        | 2         | 10        | 1         | 2         | 2         | 129      | 1.25    | .041   | 2         | 323       | 3.53    | 41        | .21     | 4        | 2.89    | .18     | .15    | 1        |
| RDH-87-39-5  | 1         | 49        | 10        | 43        | .4        | 85        | 16        | 553       | 3.68    | 7         | 5        | ND        | 2         | 29        | 1         | 2         | 2         | 128      | 2.52    | .048   | 2         | 82        | 1.64    | 13        | .38     | 4        | 2.02    | .36     | .06    | 1        |
| RDH-87-39-6  | 1         | 19        | 71        | 52        | .1        | 97        | 15        | 501       | 3.28    | 5         | 5        | ND        | 1         | 63        | 1         | 2         | 2         | 107      | 2.51    | .044   | 2         | 78        | 1.93    | 11        | .30     | 5        | 2.23    | .30     | .05    | 1        |
| RDH-87-39-7  | 1         | 50        | 2         | 27        | .2        | 874       | 44        | 417       | 3.65    | 6         | 5        | ND        | 3         | 10        | 1         | 2         | 2         | 78       | .91     | .018   | 2         | 557       | 8.15    | 2         | .05     | 14       | 1.90    | .03     | .01    | 1        |
| STD C        | 18        | 58        | 41        | 133       | 7.6       | 67        | 30        | 1040      | 4.00    | 38        | 18       | 8         | 38        | 52        | 18        | 16        | 20        | 58       | .46     | .082   | 40        | 62        | .89     | 182       | .09     | 34       | 1.93    | .06     | .13    | 13       |

1/15/76

HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO<br>PPM | CU<br>PPM | PB<br>PPM | ZN<br>PPM | AG<br>PPM | NI<br>PPM | CO<br>PPM | MN<br>PPM | FE<br>% | AS<br>PPM | U<br>PPM | AU<br>PPM | TH<br>PPM | SR<br>PPM | CD<br>PPM | SB<br>PPM | BI<br>PPM | V<br>PPM | CA<br>% | P<br>% | LA<br>PPM | CR<br>PPM | MG<br>% | BA<br>PPM | TI<br>% | B<br>PPM | AL<br>% | HA<br>% | K<br>% | W<br>PPM |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|
| RDH-87-39-8  | 1         | 102       | 2         | 20        | .1        | 998       | 48        | 297       | 3.74    | 2         | 5        | ND        | 1         | 8         | 1         | 2         | 2         | 56       | .93     | .013   | 2         | 448       | 5.89    | 1         | .02     | 7        | 1.39    | .01     | .01    | 1        |
| RDH-87-39-9  | 1         | 72        | 6         | 25        | .1        | 639       | 35        | 317       | 3.44    | 2         | 5        | ND        | 1         | 17        | 1         | 2         | 4         | 78       | 1.30    | .026   | 2         | 391       | 4.93    | 1         | .06     | 4        | 2.04    | .08     | .02    | 1        |
| RDH-87-39-10 | 1         | 46        | 12        | 42        | .1        | 436       | 36        | 839       | 5.98    | 2         | 5        | ND        | 1         | 16        | 1         | 2         | 2         | 147      | 1.30    | .027   | 2         | 230       | 6.87    | 3         | .09     | 4        | 3.54    | .02     | .01    | 2        |
| RDH-87-39-11 | 1         | 38        | 16        | 55        | .2        | 102       | 28        | 1220      | 6.85    | 2         | 5        | ND        | 1         | 28        | 1         | 2         | 2         | 188      | 4.05    | .035   | 2         | 120       | 7.06    | 1         | .16     | 3        | 5.05    | .01     | .01    | 1        |
| RDH-87-39-12 | 1         | 21        | 7         | 26        | .1        | 702       | 36        | 592       | 3.67    | 3         | 5        | ND        | 1         | 25        | 1         | 2         | 2         | 67       | 2.39    | .020   | 2         | 210       | 7.76    | 2         | .07     | 5        | 1.65    | .06     | .01    | 1        |
| RDH-87-39-13 | 2         | 15        | 2         | 24        | .1        | 1147      | 56        | 628       | 3.96    | 7         | 5        | ND        | 1         | 9         | 1         | 2         | 2         | 25       | .45     | .006   | 2         | 272       | 13.73   | 1         | .02     | 8        | .59     | .01     | .01    | 1        |
| RDH-87-39-14 | 2         | 56        | 4         | 27        | .1        | 1163      | 56        | 656       | 4.31    | 4         | 5        | ND        | 2         | 14        | 1         | 2         | 2         | 35       | .63     | .008   | 2         | 340       | 13.52   | 1         | .01     | 16       | .83     | .01     | .01    | 1        |
| RDH-87-39-15 | 2         | 24        | 2         | 24        | .1        | 1182      | 59        | 606       | 4.07    | 5         | 5        | ND        | 1         | 11        | 1         | 2         | 2         | 28       | .79     | .006   | 2         | 206       | 14.21   | 1         | .02     | 7        | .74     | .01     | .02    | 1        |
| RDH-87-39-16 | 2         | 58        | 2         | 26        | .1        | 1001      | 55        | 705       | 4.77    | 6         | 5        | ND        | 1         | 11        | 1         | 2         | 2         | 58       | .98     | .016   | 2         | 243       | 12.49   | 1         | .02     | 7        | 1.28    | .01     | .01    | 1        |
| RDH-87-39-17 | 3         | 17        | 8         | 29        | .1        | 1213      | 61        | 687       | 4.18    | 9         | 5        | ND        | 1         | 8         | 1         | 2         | 2         | 15       | .32     | .003   | 2         | 280       | 15.67   | 2         | .01     | 9        | .35     | .01     | .01    | 1        |
| RDH-87-39-18 | 2         | 20        | 2         | 29        | .1        | 1180      | 58        | 706       | 4.32    | 4         | 5        | ND        | 1         | 9         | 1         | 2         | 2         | 22       | .45     | .005   | 2         | 332       | 15.42   | 1         | .01     | 7        | .52     | .01     | .01    | 1        |
| RDH-87-39-19 | 2         | 64        | 6         | 27        | .1        | 1198      | 59        | 619       | 4.52    | 3         | 5        | ND        | 1         | 10        | 1         | 2         | 2         | 31       | .67     | .005   | 2         | 451       | 13.24   | 1         | .01     | 8        | .90     | .01     | .01    | 1        |
| RDH-87-39-20 | 2         | 26        | 5         | 27        | .1        | 1186      | 60        | 665       | 4.20    | 6         | 6        | ND        | 2         | 7         | 1         | 4         | 2         | 17       | .31     | .003   | 2         | 444       | 15.21   | 1         | .01     | 9        | .42     | .01     | .01    | 1        |
| RDH-87-39-21 | 1         | 39        | 6         | 27        | .1        | 540       | 32        | 508       | 3.36    | 2         | 5        | ND        | 1         | 84        | 1         | 2         | 2         | 60       | 3.07    | .024   | 2         | 254       | 6.71    | 2         | .11     | 3        | 1.76    | .16     | .02    | 1        |
| RDH-87-40-1  | 2         | 20        | 3         | 17        | .1        | 1191      | 53        | 894       | 3.18    | 32        | 5        | ND        | 1         | 64        | 1         | 4         | 2         | 13       | 1.33    | .002   | 2         | 510       | 10.84   | 8         | .01     | 11       | .26     | .01     | .01    | 1        |
| RDH-87-40-2  | 2         | 19        | 7         | 23        | .1        | 1457      | 60        | 555       | 2.79    | 20        | 5        | ND        | 1         | 34        | 1         | 5         | 2         | 10       | 1.29    | .002   | 2         | 456       | 10.73   | 4         | .01     | 15       | .18     | .01     | .01    | 1        |
| RDH-87-40-3  | 2         | 15        | 19        | 26        | .2        | 1323      | 55        | 544       | 2.90    | 12        | 5        | ND        | 1         | 14        | 1         | 2         | 2         | 14       | 1.30    | .001   | 2         | 691       | 12.05   | 1         | .01     | 17       | .26     | .01     | .01    | 1        |
| RDH-87-40-4  | 2         | 16        | 8         | 20        | .1        | 1345      | 57        | 561       | 2.81    | 10        | 5        | ND        | 1         | 37        | 1         | 2         | 2         | 14       | 2.22    | .002   | 2         | 602       | 11.01   | 5         | .01     | 23       | .27     | .01     | .01    | 1        |
| RDH-87-40-5  | 2         | 14        | 6         | 20        | .1        | 1348      | 57        | 661       | 3.04    | 30        | 5        | ND        | 1         | 41        | 1         | 5         | 2         | 14       | 2.09    | .001   | 2         | 707       | 11.61   | 4         | .01     | 20       | .27     | .01     | .01    | 1        |
| RDH-87-40-6  | 2         | 15        | 7         | 24        | .1        | 781       | 40        | 638       | 2.64    | 23        | 5        | ND        | 1         | 55        | 1         | 2         | 2         | 30       | 2.78    | .014   | 3         | 621       | 6.33    | 92        | .02     | 11       | 1.21    | .02     | .10    | 1        |
| RDH-87-40-7  | 2         | 19        | 8         | 27        | .1        | 159       | 15        | 208       | 2.01    | 2         | 5        | ND        | 2         | 25        | 1         | 2         | 5         | 33       | .48     | .034   | 5         | 326       | 2.93    | 263       | .10     | 2        | 1.74    | .05     | .37    | 1        |
| RDH-87-40-8  | 2         | 36        | 5         | 30        | .1        | 142       | 15        | 198       | 2.06    | 2         | 5        | ND        | 2         | 20        | 1         | 2         | 2         | 33       | .38     | .031   | 4         | 314       | 2.85    | 360       | .11     | 2        | 1.77    | .05     | .56    | 1        |
| RDH-87-40-9  | 2         | 52        | 4         | 29        | .1        | 168       | 16        | 199       | 1.92    | 2         | 5        | ND        | 3         | 48        | 1         | 2         | 2         | 32       | .40     | .027   | 6         | 396       | 3.24    | 342       | .07     | 2        | 2.05    | .05     | .43    | 1        |
| RDH-87-40-10 | 2         | 53        | 7         | 31        | .1        | 174       | 15        | 244       | 1.94    | 5         | 5        | ND        | 3         | 33        | 1         | 2         | 2         | 31       | .62     | .030   | 7         | 357       | 3.18    | 291       | .07     | 2        | 1.93    | .04     | .34    | 1        |
| RDH-87-40-11 | 2         | 76        | 12        | 25        | .3        | 410       | 21        | 244       | 1.81    | 5         | 5        | ND        | 2         | 20        | 1         | 2         | 2         | 23       | .64     | .021   | 5         | 391       | 3.23    | 147       | .05     | 2        | 1.79    | .02     | .18    | 1        |
| RDH-87-40-12 | 2         | 46        | 6         | 30        | .1        | 234       | 17        | 243       | 2.16    | 2         | 5        | ND        | 3         | 32        | 1         | 2         | 3         | 38       | .49     | .031   | 5         | 387       | 3.39    | 187       | .10     | 2        | 1.85    | .04     | .23    | 1        |
| RDH-87-40-13 | 2         | 60        | 2         | 35        | .1        | 190       | 18        | 256       | 2.24    | 6         | 5        | ND        | 2         | 29        | 1         | 2         | 3         | 38       | .59     | .036   | 6         | 347       | 3.14    | 231       | .11     | 2        | 1.89    | .04     | .24    | 1        |
| RDH-87-40-14 | 2         | 46        | 7         | 39        | .2        | 153       | 18        | 280       | 2.56    | 10        | 5        | ND        | 2         | 37        | 1         | 2         | 2         | 45       | .52     | .043   | 5         | 343       | 3.23    | 268       | .14     | 2        | 2.01    | .05     | .33    | 1        |
| RDH-87-40-15 | 3         | 17        | 4         | 25        | .1        | 66        | 13        | 188       | 1.79    | 5         | 5        | ND        | 2         | 23        | 1         | 2         | 5         | 40       | .47     | .053   | 7         | 290       | 2.35    | 130       | .13     | 2        | 1.29    | .03     | .13    | 1        |
| RDH-87-40-16 | 2         | 18        | 4         | 23        | .1        | 115       | 15        | 186       | 1.70    | 36        | 5        | ND        | 3         | 21        | 1         | 2         | 2         | 31       | .55     | .044   | 8         | 358       | 2.64    | 194       | .09     | 2        | 1.44    | .03     | .15    | 1        |
| RDH-87-40-17 | 2         | 22        | 2         | 25        | .1        | 64        | 12        | 188       | 1.72    | 2         | 5        | ND        | 2         | 43        | 1         | 2         | 3         | 36       | .53     | .042   | 7         | 364       | 2.53    | 232       | .09     | 3        | 1.41    | .04     | .17    | 1        |
| RDH-87-40-18 | 1         | 38        | 5         | 23        | .1        | 531       | 30        | 471       | 2.51    | 43        | 5        | ND        | 1         | 57        | 1         | 2         | 2         | 33       | 2.27    | .028   | 3         | 434       | 4.02    | 114       | .07     | 4        | 1.52    | .03     | .12    | 1        |
| RDH-87-40-19 | 1         | 14        | 4         | 32        | .1        | 199       | 19        | 302       | 2.68    | 14        | 5        | ND        | 2         | 43        | 1         | 2         | 2         | 46       | .77     | .053   | 7         | 382       | 4.00    | 103       | .11     | 2        | 2.22    | .05     | .10    | 1        |
| RDH-87-40-20 | 1         | 26        | 5         | 31        | .1        | 135       | 17        | 285       | 2.92    | 9         | 5        | ND        | 1         | 45        | 1         | 2         | 2         | 61       | .69     | .052   | 6         | 311       | 4.20    | 54        | .11     | 2        | 2.18    | .04     | .05    | 1        |
| RDH-87-40-21 | 1         | 28        | 2         | 23        | .1        | 490       | 36        | 815       | 3.12    | 23        | 5        | ND        | 1         | 120       | 1         | 2         | 2         | 43       | 4.41    | .019   | 2         | 414       | 5.02    | 19        | .04     | 2        | 1.53    | .01     | .02    | 1        |
| RDH-87-40-22 | 1         | 24        | 2         | 15        | .1        | 900       | 40        | 636       | 2.36    | 14        | 5        | ND        | 1         | 89        | 1         | 2         | 2         | 21       | 3.69    | .007   | 2         | 486       | 5.93    | 6         | .01     | 10       | .77     | .01     | .01    | 1        |
| STD C        | 18        | 60        | 39        | 135       | 7.5       | 67        | 29        | 1050      | 3.98    | 39        | 18       | 8         | 38        | 52        | 18        | 16        | 22        | 57       | .46     | .089   | 39        | 61        | .92     | 182       | .09     | 35       | 1.92    | .06     | .13    | 12       |

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HOMESTAKE MINERAL FILE # 87-6094

| SAMPLE#      | MO  | CU  | PD  | ZK  | AG  | NI   | CO  | MW   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA   | P    | LA  | CR   | MG    | BA  | TI  | B   | AL   | NA  | K   | M   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|-------|-----|-----|-----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I    | I    | PPM | PPM  | I     | PPM | I   | PPM | I    | I   | I   | PPM |
| RDH-87-40-23 | 1   | 12  | 7   | 15  | .1  | 1220 | 53  | 304  | 3.45 | 4   | 5   | ND  | 2   | 31  | 1   | 2   | 2   | 24  | .62  | .002 | 2   | 996  | 11.46 | 4   | .01 | 15  | .50  | .01 | .01 | 1   |
| RDH-87-40-24 | 2   | 9   | 7   | 13  | .1  | 1283 | 55  | 437  | 3.62 | 2   | 5   | ND  | 1   | 27  | 1   | 2   | 2   | 19  | .32  | .001 | 2   | 761  | 11.62 | 1   | .01 | 16  | .28  | .01 | .01 | 1   |
| RDH-87-40-25 | 2   | 8   | 11  | 15  | .1  | 1331 | 45  | 782  | 4.10 | 8   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 17  | .31  | .001 | 2   | 771  | 14.86 | 1   | .01 | 61  | .26  | .01 | .01 | 1   |
| RDH-87-40-26 | 2   | 7   | 6   | 14  | .1  | 1274 | 62  | 782  | 3.94 | 3   | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 15  | .28  | .001 | 2   | 642  | 14.31 | 1   | .01 | 50  | .22  | .01 | .01 | 1   |
| RDH-87-41-1  | 2   | 27  | 20  | 23  | .4  | 1274 | 55  | 532  | 3.58 | 4   | 5   | ND  | 2   | 8   | 1   | 2   | 2   | 36  | .32  | .004 | 2   | 893  | 14.09 | 14  | .01 | 17  | .79  | .01 | .02 | 1   |
| RDH-87-41-2  | 2   | 25  | 25  | 23  | .1  | 1209 | 52  | 544  | 3.81 | 2   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 48  | .37  | .006 | 2   | 885  | 14.13 | 13  | .02 | 28  | 1.08 | .01 | .01 | 1   |
| RDH-87-41-3  | 2   | 42  | 18  | 25  | .2  | 1261 | 53  | 534  | 3.61 | 2   | 5   | ND  | 1   | 14  | 1   | 2   | 2   | 32  | 1.36 | .002 | 2   | 1039 | 14.02 | 12  | .02 | 18  | .82  | .01 | .02 | 1   |
| RDH-87-41-4  | 3   | 36  | 16  | 23  | .1  | 1446 | 61  | 794  | 3.55 | 2   | 5   | ND  | 1   | 22  | 1   | 2   | 2   | 20  | 1.36 | .002 | 2   | 811  | 17.71 | 11  | .01 | 21  | .32  | .01 | .01 | 1   |
| RDH-87-41-5  | 3   | 8   | 16  | 30  | .1  | 1542 | 67  | 823  | 4.48 | 5   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 15  | .42  | .001 | 2   | 808  | 20.00 | 3   | .01 | 21  | .27  | .01 | .01 | 1   |
| RDH-87-41-6  | 3   | 13  | 28  | 46  | .3  | 1492 | 69  | 757  | 4.74 | 2   | 5   | ND  | 2   | 7   | 1   | 2   | 2   | 28  | .61  | .001 | 2   | 1292 | 20.85 | 3   | .01 | 19  | .42  | .01 | .02 | 1   |
| RDH-87-41-7  | 3   | 16  | 26  | 29  | .2  | 1418 | 65  | 709  | 4.15 | 3   | 5   | ND  | 1   | 5   | 1   | 2   | 2   | 24  | .49  | .001 | 2   | 1176 | 18.01 | 1   | .01 | 21  | .54  | .01 | .01 | 1   |
| RDH-87-41-8  | 3   | 15  | 21  | 27  | .4  | 1395 | 63  | 699  | 3.96 | 4   | 5   | ND  | 3   | 22  | 1   | 2   | 2   | 23  | .57  | .001 | 2   | 1090 | 17.02 | 3   | .01 | 18  | .50  | .01 | .02 | 2   |
| RDH-87-41-9  | 2   | 29  | 16  | 25  | .2  | 1365 | 58  | 590  | 3.47 | 2   | 5   | ND  | 1   | 21  | 1   | 2   | 2   | 21  | .78  | .001 | 2   | 975  | 15.65 | 5   | .01 | 14  | .44  | .01 | .01 | 1   |
| RDH-87-41-10 | 2   | 33  | 20  | 21  | .4  | 1225 | 52  | 386  | 3.20 | 2   | 5   | ND  | 1   | 23  | 1   | 2   | 2   | 24  | .78  | .001 | 2   | 1053 | 11.81 | 8   | .01 | 14  | .44  | .01 | .02 | 1   |
| RDH-87-41-11 | 2   | 13  | 12  | 22  | .1  | 1301 | 56  | 427  | 3.43 | 2   | 5   | ND  | 2   | 18  | 1   | 2   | 2   | 22  | .39  | .001 | 2   | 867  | 13.68 | 3   | .01 | 20  | .45  | .01 | .01 | 1   |
| RDH-87-41-12 | 2   | 17  | 8   | 23  | .1  | 1388 | 60  | 617  | 3.60 | 3   | 5   | ND  | 1   | 12  | 1   | 2   | 2   | 19  | .29  | .001 | 2   | 721  | 14.36 | 4   | .01 | 18  | .35  | .01 | .01 | 1   |
| RDH-87-41-13 | 3   | 12  | 13  | 22  | .2  | 1468 | 62  | 572  | 3.57 | 4   | 5   | ND  | 1   | 5   | 1   | 2   | 2   | 15  | .18  | .001 | 2   | 821  | 14.89 | 1   | .01 | 20  | .25  | .01 | .01 | 1   |
| RDH-87-41-14 | 3   | 8   | 20  | 30  | .1  | 1558 | 68  | 769  | 4.19 | 7   | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 20  | .23  | .001 | 2   | 903  | 19.20 | 3   | .01 | 25  | .41  | .01 | .02 | 1   |
| RDH-87-41-15 | 3   | 8   | 19  | 31  | .1  | 1687 | 77  | 889  | 4.85 | 7   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 10  | .11  | .001 | 2   | 581  | 22.28 | 1   | .01 | 41  | .18  | .01 | .01 | 1   |
| RDH-87-41-16 | 3   | 8   | 14  | 33  | .1  | 1638 | 73  | 776  | 4.51 | 5   | 5   | ND  | 2   | 3   | 1   | 2   | 2   | 10  | .07  | .001 | 2   | 569  | 20.90 | 1   | .01 | 24  | .18  | .01 | .01 | 1   |
| RDH-87-41-17 | 3   | 11  | 12  | 25  | .2  | 1494 | 65  | 662  | 4.02 | 5   | 5   | ND  | 2   | 3   | 1   | 2   | 2   | 21  | .17  | .001 | 2   | 1093 | 19.13 | 1   | .01 | 24  | .44  | .01 | .01 | 1   |
| RDH-87-41-18 | 3   | 13  | 13  | 28  | .3  | 1388 | 63  | 582  | 3.88 | 5   | 5   | ND  | 2   | 9   | 1   | 2   | 2   | 23  | .58  | .001 | 2   | 1035 | 16.73 | 1   | .01 | 17  | .51  | .01 | .01 | 1   |
| RDH-87-41-19 | 3   | 11  | 15  | 22  | .1  | 1346 | 57  | 562  | 3.45 | 2   | 5   | ND  | 1   | 8   | 1   | 2   | 2   | 24  | .64  | .001 | 2   | 1143 | 16.10 | 1   | .01 | 21  | .54  | .01 | .01 | 1   |
| RDH-87-41-20 | 2   | 41  | 13  | 21  | .2  | 1388 | 60  | 552  | 3.63 | 4   | 5   | ND  | 1   | 16  | 1   | 2   | 2   | 26  | .98  | .001 | 2   | 1082 | 16.12 | 1   | .01 | 19  | .59  | .01 | .01 | 1   |
| RDH-87-41-21 | 3   | 48  | 21  | 21  | .3  | 1364 | 58  | 528  | 3.55 | 2   | 5   | ND  | 2   | 15  | 1   | 2   | 2   | 25  | .69  | .001 | 2   | 1077 | 16.69 | 1   | .01 | 19  | .56  | .01 | .01 | 1   |
| RDH-87-41-22 | 3   | 18  | 15  | 25  | .2  | 1355 | 53  | 579  | 3.21 | 2   | 5   | ND  | 1   | 29  | 1   | 2   | 2   | 24  | .98  | .002 | 2   | 1118 | 17.89 | 6   | .01 | 18  | .56  | .01 | .02 | 1   |
| RDH-87-41-23 | 3   | 12  | 13  | 27  | .1  | 1505 | 64  | 630  | 3.86 | 7   | 5   | ND  | 2   | 17  | 1   | 2   | 2   | 19  | .42  | .001 | 2   | 992  | 18.99 | 3   | .01 | 22  | .41  | .01 | .01 | 1   |
| RDH-87-41-24 | 3   | 12  | 12  | 27  | .4  | 1377 | 63  | 592  | 3.93 | 3   | 5   | ND  | 1   | 7   | 1   | 2   | 2   | 23  | .54  | .001 | 2   | 1116 | 17.27 | 1   | .01 | 21  | .32  | .01 | .01 | 1   |
| RDH-87-41-25 | 2   | 9   | 9   | 22  | .1  | 1321 | 58  | 523  | 3.63 | 4   | 5   | ND  | 1   | 9   | 1   | 2   | 2   | 24  | .61  | .002 | 2   | 1162 | 16.14 | 2   | .01 | 18  | .53  | .01 | .01 | 1   |
| RDH-87-42-1  | 2   | 8   | 9   | 18  | .2  | 1087 | 47  | 429  | 3.10 | 5   | 5   | ND  | 1   | 60  | 1   | 2   | 2   | 25  | .93  | .001 | 2   | 909  | 12.14 | 10  | .01 | 17  | .48  | .01 | .01 | 1   |
| RDH-87-42-2  | 2   | 8   | 11  | 18  | .3  | 1175 | 51  | 491  | 3.41 | 8   | 5   | ND  | 1   | 37  | 1   | 2   | 2   | 27  | .85  | .001 | 2   | 992  | 12.65 | 9   | .01 | 20  | .51  | .01 | .01 | 1   |
| RDH-87-42-3  | 2   | 8   | 30  | 21  | .1  | 1110 | 49  | 362  | 3.33 | 3   | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 27  | .67  | .001 | 2   | 1063 | 12.68 | 5   | .01 | 17  | .52  | .01 | .01 | 1   |
| RDH-87-42-4  | 2   | 8   | 9   | 23  | .4  | 1092 | 47  | 307  | 3.02 | 3   | 5   | ND  | 2   | 30  | 1   | 2   | 2   | 25  | .79  | .001 | 2   | 1002 | 12.41 | 4   | .01 | 18  | .50  | .01 | .01 | 1   |
| RDH-87-42-5  | 2   | 8   | 12  | 19  | .2  | 1115 | 47  | 395  | 3.15 | 3   | 5   | ND  | 1   | 42  | 1   | 2   | 2   | 24  | 1.06 | .002 | 2   | 1012 | 13.28 | 3   | .01 | 20  | .45  | .01 | .01 | 1   |
| RDH-87-42-6  | 2   | 12  | 18  | 20  | .1  | 1268 | 57  | 863  | 3.18 | 7   | 5   | ND  | 1   | 22  | 1   | 2   | 2   | 12  | .70  | .001 | 2   | 566  | 14.81 | 3   | .01 | 19  | .22  | .01 | .01 | 1   |
| RDH-87-42-7  | 1   | 10  | 5   | 23  | .2  | 1081 | 45  | 555  | 2.43 | 8   | 5   | ND  | 1   | 57  | 1   | 2   | 2   | 10  | 2.05 | .002 | 2   | 452  | 10.97 | 7   | .01 | 12  | .23  | .01 | .01 | 1   |
| STD C        | 18  | 59  | 39  | 131 | 7.5 | 67   | 29  | 1068 | 4.12 | 38  | 20  | 8   | 38  | 52  | 19  | 17  | 22  | 57  | .45  | .092 | 39  | 63   | .89   | 181 | .09 | 32  | 1.92 | .06 | .14 | 11  |

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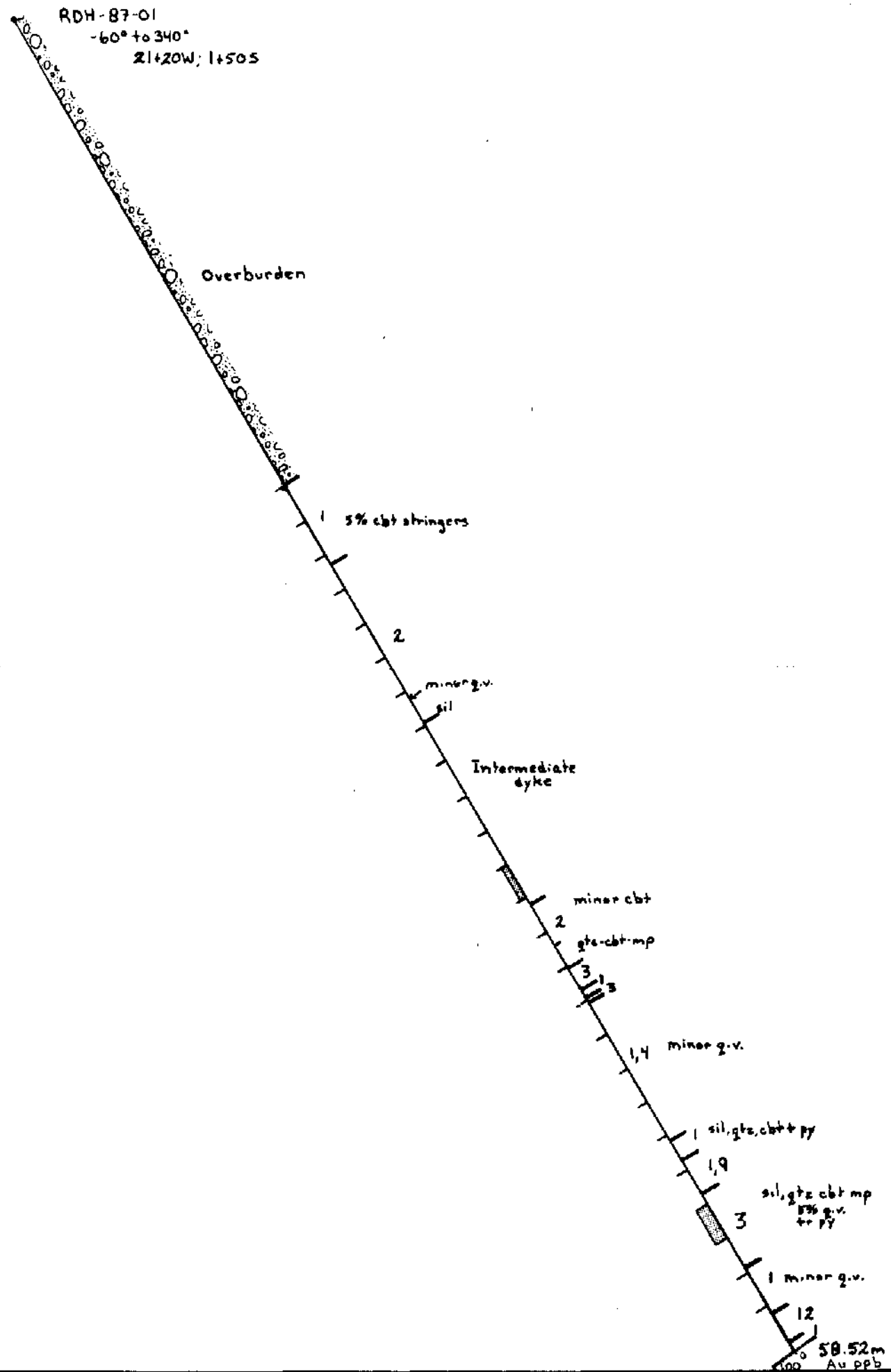
HOMESTAKE MINERAL FILE # 87-6094

| SAMPLES      | MO  | CU  | PB  | ZN  | AG  | NI   | CO  | MN   | FE   | AS  | U   | AU  | TH  | SR  | CD  | SB  | BI  | V   | CA    | P    | LA  | CR  | MG    | BA  | TI  | B  | AL   | NA  | K   | W   |
|--------------|-----|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-------|-----|-----|----|------|-----|-----|-----|
|              | PPM | PPM | PPM | PPM | PPM | PPM  | PPM | PPM  | I    | PPM | PPM | PPM | PPM | PPM | PPM | PPM | PPM | I   | I     | I    | PPM | PPM | I     | PPM | I   | I  | I    | I   | I   | PPM |
| RDH-87-42-3  | 1   | 7   | 11  | 46  | .1  | 466  | 40  | 916  | 5.70 | 6   | 5   | ND  | 1   | 89  | 1   | 2   | 2   | 137 | 2.70  | .019 | 2   | 146 | 10.01 | 12  | .01 | 9  | 3.41 | .01 | .02 | 1   |
| RDH-87-42-9  | 1   | 9   | 4   | 24  | .1  | 954  | 42  | 891  | 2.87 | 8   | 5   | ND  | 1   | 176 | 1   | 2   | 2   | 38  | 4.47  | .005 | 2   | 503 | 9.10  | 8   | .01 | 10 | .95  | .01 | .01 | 1   |
| RDH-87-42-10 | 1   | 13  | 6   | 34  | .1  | 526  | 33  | 1003 | 3.70 | 13  | 5   | ND  | 1   | 618 | 1   | 2   | 2   | 58  | 9.25  | .010 | 3   | 371 | 8.36  | 14  | .01 | 3  | 1.34 | .01 | .01 | 1   |
| RDH-87-42-11 | 1   | 12  | 2   | 24  | .1  | 314  | 21  | 863  | 3.81 | 15  | 5   | ND  | 2   | 853 | 1   | 2   | 2   | 35  | 10.20 | .011 | 6   | 198 | 8.37  | 19  | .01 | 3  | 1.32 | .01 | .02 | 1   |
| RDH-87-42-12 | 2   | 21  | 5   | 41  | .1  | 651  | 41  | 631  | 3.74 | 20  | 5   | ND  | 2   | 293 | 1   | 2   | 3   | 31  | 3.28  | .036 | 7   | 642 | 9.27  | 16  | .01 | 4  | 1.07 | .01 | .02 | 1   |
| RDH-87-42-13 | 2   | 11  | 3   | 14  | .1  | 803  | 42  | 664  | 3.22 | 32  | 5   | ND  | 2   | 228 | 1   | 3   | 2   | 18  | 3.35  | .010 | 2   | 632 | 9.91  | 9   | .01 | 3  | .39  | .01 | .01 | 1   |
| RDH-87-42-14 | 1   | 29  | 27  | 58  | .1  | 273  | 22  | 352  | 3.43 | 42  | 5   | ND  | 3   | 220 | 1   | 2   | 2   | 32  | 2.96  | .064 | 17  | 205 | 4.79  | 126 | .01 | 4  | 1.48 | .01 | .10 | 1   |
| RDH-87-42-15 | 1   | 37  | 11  | 70  | .1  | 79   | 15  | 601  | 3.76 | 19  | 5   | ND  | 2   | 123 | 1   | 2   | 2   | 54  | 2.11  | .105 | 21  | 123 | 3.74  | 213 | .03 | 2  | 2.08 | .02 | .16 | 1   |
| RDH-87-42-16 | 2   | 19  | 2   | 36  | .1  | 808  | 37  | 575  | 3.46 | 36  | 5   | ND  | 1   | 93  | 1   | 2   | 2   | 31  | 1.49  | .032 | 7   | 730 | 9.27  | 65  | .01 | 8  | 1.01 | .01 | .07 | 1   |
| RDH-87-42-17 | 2   | 10  | 2   | 23  | .2  | 1053 | 44  | 589  | 3.42 | 21  | 5   | ND  | 1   | 50  | 1   | 2   | 6   | 28  | .90   | .011 | 2   | 837 | 12.13 | 19  | .01 | 13 | .56  | .01 | .02 | 1   |
| RDH-87-42-18 | 2   | 11  | 2   | 24  | .1  | 985  | 43  | 634  | 3.26 | 38  | 5   | ND  | 1   | 73  | 1   | 2   | 6   | 24  | 1.35  | .011 | 2   | 810 | 11.62 | 18  | .01 | 16 | .53  | .01 | .02 | 1   |
| RDH-87-42-19 | 2   | 12  | 2   | 24  | .2  | 1111 | 48  | 672  | 3.34 | 40  | 5   | ND  | 1   | 70  | 1   | 2   | 2   | 23  | 1.28  | .010 | 3   | 738 | 12.59 | 19  | .01 | 20 | .46  | .01 | .02 | 1   |
| RDH-87-42-20 | 2   | 10  | 3   | 38  | .1  | 847  | 43  | 728  | 3.37 | 22  | 5   | ND  | 1   | 49  | 1   | 2   | 2   | 42  | 1.52  | .011 | 2   | 456 | 10.37 | 17  | .04 | 16 | 1.07 | .01 | .02 | 1   |
| RDH-87-42-21 | 1   | 7   | 10  | 32  | .2  | 127  | 16  | 377  | 3.10 | 2   | 5   | ND  | 2   | 66  | 1   | 2   | 2   | 80  | 1.25  | .027 | 3   | 143 | 4.20  | 34  | .23 | 5  | 2.18 | .01 | .06 | 2   |
| RDH-87-42-22 | 1   | 5   | 3   | 27  | .1  | 117  | 13  | 268  | 2.35 | 2   | 5   | ND  | 1   | 64  | 1   | 2   | 2   | 67  | 1.11  | .026 | 2   | 112 | 3.46  | 26  | .28 | 3  | 1.76 | .02 | .05 | 1   |
| RDH-87-42-23 | 1   | 6   | 2   | 25  | .1  | 383  | 22  | 288  | 2.85 | 2   | 5   | ND  | 1   | 46  | 1   | 2   | 2   | 60  | .84   | .018 | 2   | 394 | 6.61  | 12  | .18 | 11 | 1.70 | .01 | .02 | 1   |
| RDH-87-42-24 | 2   | 11  | 2   | 20  | .1  | 971  | 39  | 523  | 3.09 | 4   | 5   | ND  | 1   | 68  | 1   | 3   | 4   | 30  | 1.92  | .007 | 2   | 868 | 10.67 | 12  | .02 | 21 | .46  | .01 | .02 | 1   |
| RDH-87-42-25 | 2   | 12  | 2   | 22  | .1  | 1131 | 44  | 433  | 3.28 | 7   | 5   | ND  | 1   | 49  | 1   | 2   | 4   | 27  | 1.23  | .003 | 2   | 996 | 12.07 | 9   | .02 | 25 | .55  | .01 | .01 | 1   |
| RDH-87-43-1  | 1   | 72  | 5   | 10  | .1  | 929  | 38  | 661  | 2.20 | 21  | 5   | ND  | 1   | 33  | 1   | 2   | 2   | 17  | 3.38  | .003 | 2   | 347 | 3.48  | 23  | .01 | 2  | .38  | .01 | .01 | 1   |
| RDH-87-43-2  | 1   | 19  | 2   | 43  | .1  | 313  | 28  | 720  | 4.77 | 7   | 5   | ND  | 1   | 51  | 1   | 2   | 2   | 113 | 3.94  | .023 | 2   | 173 | 5.23  | 38  | .14 | 4  | 3.36 | .01 | .03 | 3   |
| RDH-87-43-3  | 1   | 50  | 6   | 68  | .1  | 163  | 20  | 717  | 4.39 | 3   | 5   | ND  | 1   | 68  | 1   | 2   | 2   | 79  | 3.00  | .064 | 10  | 95  | 4.05  | 59  | .07 | 5  | 2.92 | .01 | .04 | 1   |
| RDH-87-43-4  | 1   | 33  | 3   | 50  | .1  | 460  | 28  | 754  | 3.78 | 71  | 5   | ND  | 1   | 187 | 1   | 2   | 2   | 54  | 3.24  | .052 | 9   | 186 | 5.50  | 55  | .01 | 3  | 1.94 | .01 | .04 | 2   |
| RDH-87-43-5  | 1   | 49  | 7   | 70  | .2  | 120  | 28  | 324  | 6.44 | 12  | 5   | ND  | 1   | 35  | 1   | 2   | 6   | 178 | .61   | .040 | 4   | 128 | 7.37  | 32  | .02 | 6  | 3.97 | .02 | .04 | 2   |
| RDH-87-43-6  | 1   | 66  | 2   | 40  | .1  | 115  | 22  | 833  | 4.32 | 11  | 5   | ND  | 3   | 384 | 1   | 2   | 2   | 68  | 4.57  | .077 | 10  | 172 | 4.74  | 51  | .02 | 2  | 1.68 | .02 | .04 | 1   |
| RDH-87-43-7  | 1   | 68  | 6   | 56  | .1  | 192  | 25  | 849  | 4.57 | 6   | 5   | ND  | 3   | 250 | 1   | 2   | 3   | 98  | 3.91  | .175 | 22  | 332 | 5.58  | 473 | .13 | 3  | 2.60 | .02 | .35 | 1   |
| RDH-87-43-8  | 1   | 39  | 12  | 53  | .1  | 167  | 26  | 822  | 4.60 | 2   | 5   | ND  | 3   | 197 | 1   | 2   | 3   | 106 | 3.14  | .187 | 27  | 353 | 6.02  | 666 | .17 | 2  | 2.91 | .03 | .49 | 1   |
| RDH-87-43-9  | 2   | 33  | 6   | 63  | .1  | 137  | 18  | 683  | 3.99 | 2   | 5   | ND  | 3   | 153 | 1   | 2   | 2   | 79  | 2.51  | .134 | 27  | 165 | 4.43  | 230 | .04 | 3  | 2.39 | .02 | .12 | 1   |
| RDH-87-43-10 | 1   | 37  | 7   | 45  | .1  | 266  | 20  | 851  | 3.31 | 22  | 5   | ND  | 5   | 305 | 1   | 3   | 2   | 39  | 4.95  | .116 | 18  | 171 | 3.67  | 177 | .02 | 3  | 1.30 | .02 | .13 | 1   |
| RDH-87-43-11 | 1   | 37  | 6   | 66  | .3  | 54   | 14  | 634  | 3.77 | 8   | 5   | ND  | 5   | 152 | 1   | 2   | 3   | 51  | 2.54  | .138 | 24  | 73  | 3.14  | 201 | .02 | 3  | 1.95 | .02 | .15 | 1   |
| RDH-87-43-12 | 3   | 54  | 12  | 60  | .1  | 88   | 21  | 680  | 4.53 | 5   | 5   | ND  | 9   | 170 | 1   | 2   | 2   | 102 | 2.35  | .228 | 58  | 193 | 4.98  | 790 | .15 | 6  | 2.66 | .04 | .36 | 1   |
| RDH-87-43-13 | 2   | 54  | 5   | 41  | .1  | 750  | 40  | 909  | 3.51 | 25  | 5   | ND  | 4   | 180 | 1   | 2   | 2   | 46  | 3.05  | .095 | 20  | 328 | 8.24  | 272 | .04 | 10 | 1.23 | .01 | .12 | 1   |
| RDH-87-43-14 | 2   | 39  | 4   | 43  | .2  | 532  | 32  | 730  | 4.06 | 23  | 5   | ND  | 6   | 185 | 1   | 2   | 2   | 69  | 2.60  | .138 | 28  | 421 | 7.61  | 601 | .12 | 7  | 1.90 | .03 | .29 | 1   |
| RDH-87-43-15 | 2   | 44  | 7   | 37  | .1  | 667  | 38  | 789  | 3.55 | 26  | 5   | ND  | 4   | 201 | 1   | 2   | 2   | 59  | 3.24  | .080 | 20  | 537 | 6.80  | 427 | .08 | 7  | 1.74 | .02 | .23 | 2   |
| RDH-87-43-16 | 2   | 37  | 6   | 51  | .1  | 349  | 25  | 793  | 4.18 | 15  | 5   | ND  | 3   | 149 | 1   | 2   | 2   | 68  | 2.69  | .109 | 21  | 265 | 6.30  | 310 | .07 | 2  | 2.38 | .02 | .17 | 1   |
| RDH-87-44-1  | 1   | 47  | 5   | 33  | .3  | 47   | 13  | 452  | 3.22 | 2   | 5   | ND  | 1   | 27  | 1   | 2   | 2   | 77  | 1.46  | .043 | 2   | 64  | 3.06  | 34  | .21 | 2  | 1.65 | .11 | .04 | 1   |
| RDH-87-44-2  | 1   | 51  | 11  | 44  | .2  | 37   | 12  | 421  | 3.18 | 2   | 5   | ND  | 1   | 23  | 1   | 2   | 3   | 76  | 1.28  | .041 | 2   | 55  | 3.11  | 28  | .18 | 2  | 1.73 | .13 | .04 | 1   |
| STD C        | 18  | 60  | 40  | 136 | 7.3 | 68   | 29  | 1084 | 4.12 | 38  | 24  | 8   | 38  | 52  | 18  | 18  | 20  | 58  | .46   | .082 | 39  | 62  | .88   | 184 | .09 | 37 | 1.90 | .06 | .13 | 12  |

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**LEGEND**

**Lithologies**

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

**Modifiers**

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite

0 5 10 15 meters

HOMESTAKE

**GEOMINERAC DEVELOPMENT COMPANY**

**ASSESSMENT REPORT**

ATLIN, BRITISH COLUMBIA

REVERSE CIRCULATION DRILLING

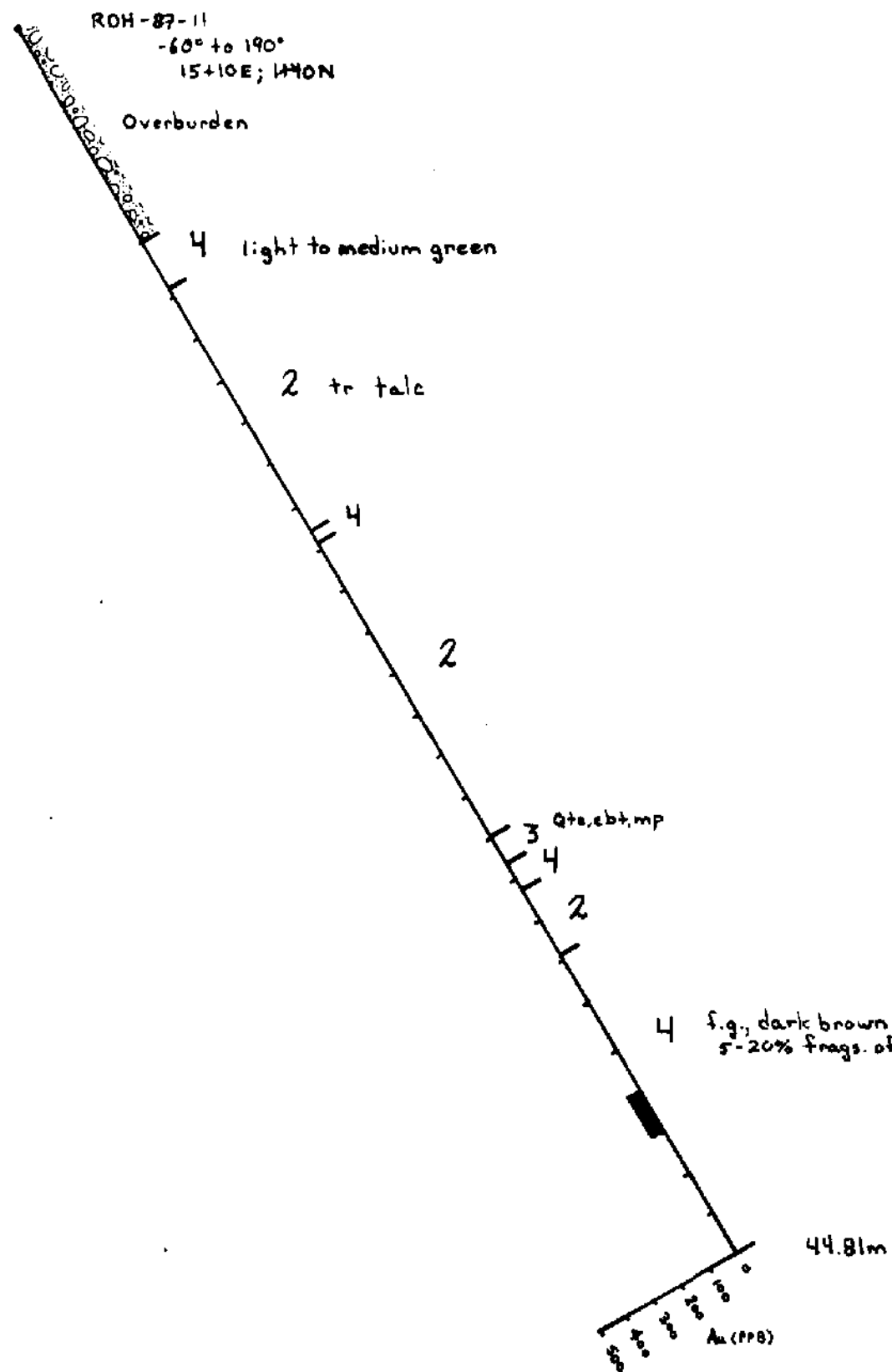
RDH - 87 - 01

RIP CLAIM

**17,546**

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

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Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite

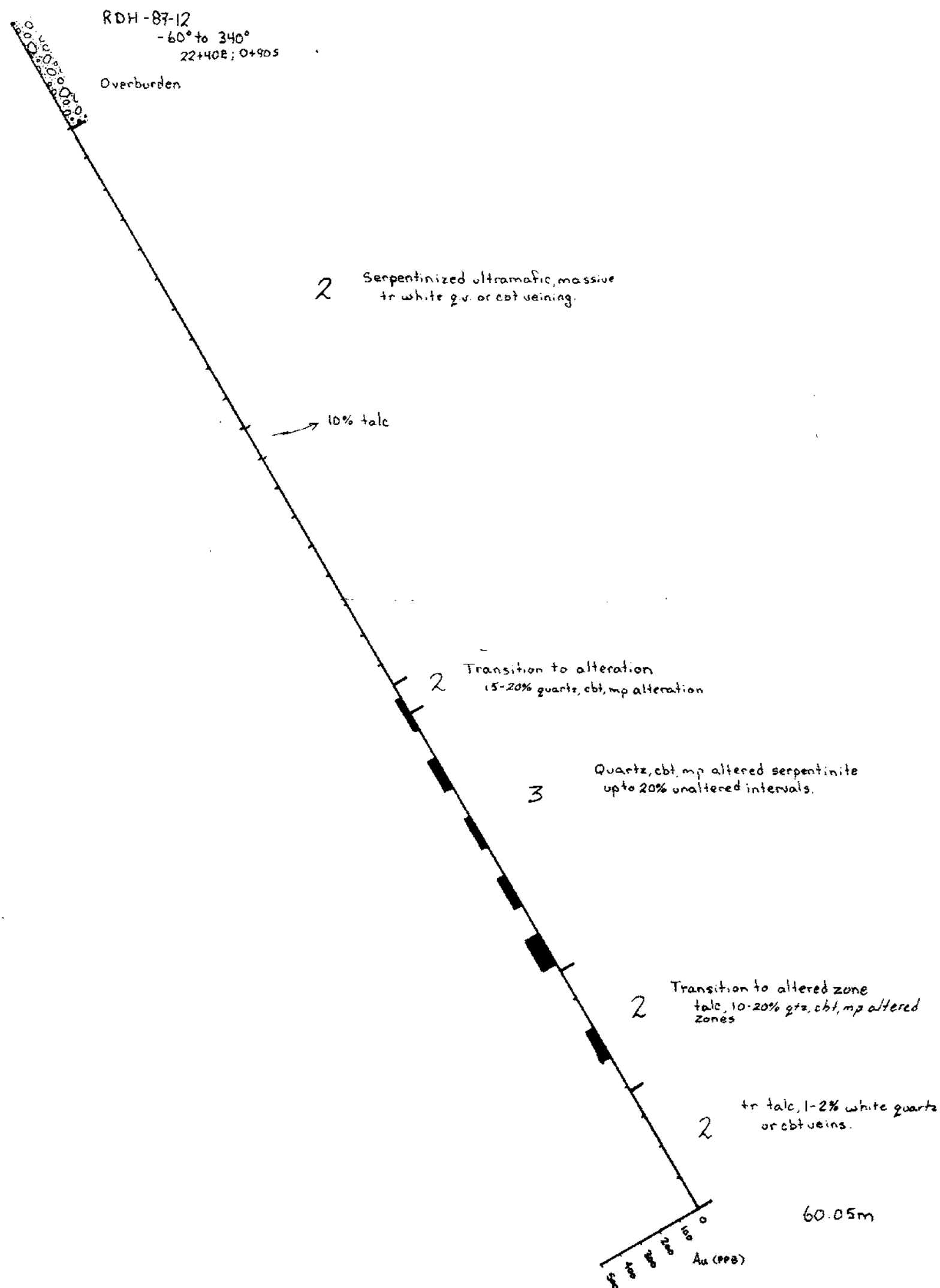
LEGEND



|                                                      |                  |                       |                |
|------------------------------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                                            |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY                          |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH - 87 - 11                                        |                  |                       |                |
| ARENT 1 CLAIM                                        |                  |                       |                |
| ATLIN, BRITISH COLUMBIA                              |                  |                       |                |
| DRAWN<br>DM                                          | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised                                              |                  |                       |                |

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## LEGEND

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                             |     |              |
|------|-----------------------------|-----|--------------|
| bi   | biotite                     |     |              |
| ca   | calcite                     |     |              |
| cbt  | carbonate(dolo., magnesite) |     |              |
| chl  | chlorite                    |     |              |
| mp   | mariposite                  |     |              |
| q.v. | quartz vein                 |     |              |
| saus | saussuritized               | pyr | pyrargyrite  |
| sil  | silicified                  | sph | sphalerite   |
| st   | sericite                    | tet | tetrahedrite |
| cpy  | chalcopyrite                | gr  | graphite     |
| ga   | galena                      |     |              |
| py   | pyrite                      |     |              |

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANYATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 12

BEAMA CLAIM

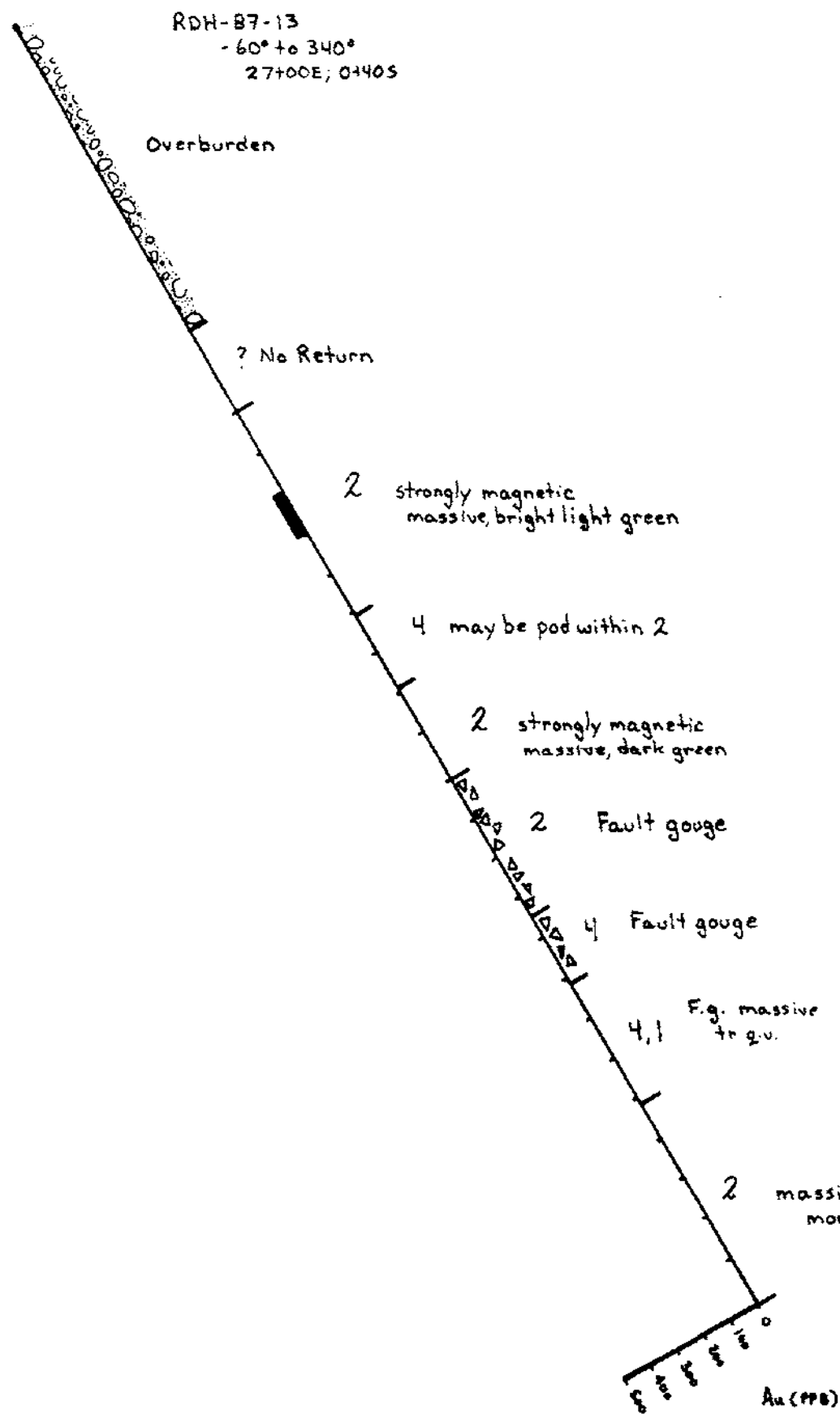
ATLIN, BRITISH COLUMBIA

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|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
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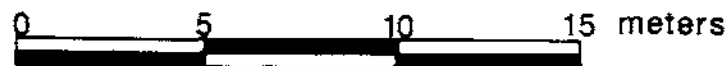
## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                             |     |              |
|------|-----------------------------|-----|--------------|
| bi   | biotite                     |     |              |
| ca   | calcite                     |     |              |
| cbt  | carbonate(dolo., magnesite) |     |              |
| chl  | chlorite                    |     |              |
| mp   | mariposite                  |     |              |
| q.v. | quartz vein                 |     |              |
| saus | saussuritized               | pyr | pyrargyrite  |
| sil  | silicified                  | sph | sphalerite   |
| st   | sericite                    | tet | tetrahedrite |
| cpy  | chalcopyrite                | gr  | graphite     |
| ga   | galena                      |     |              |
| py   | pyrite                      |     |              |



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

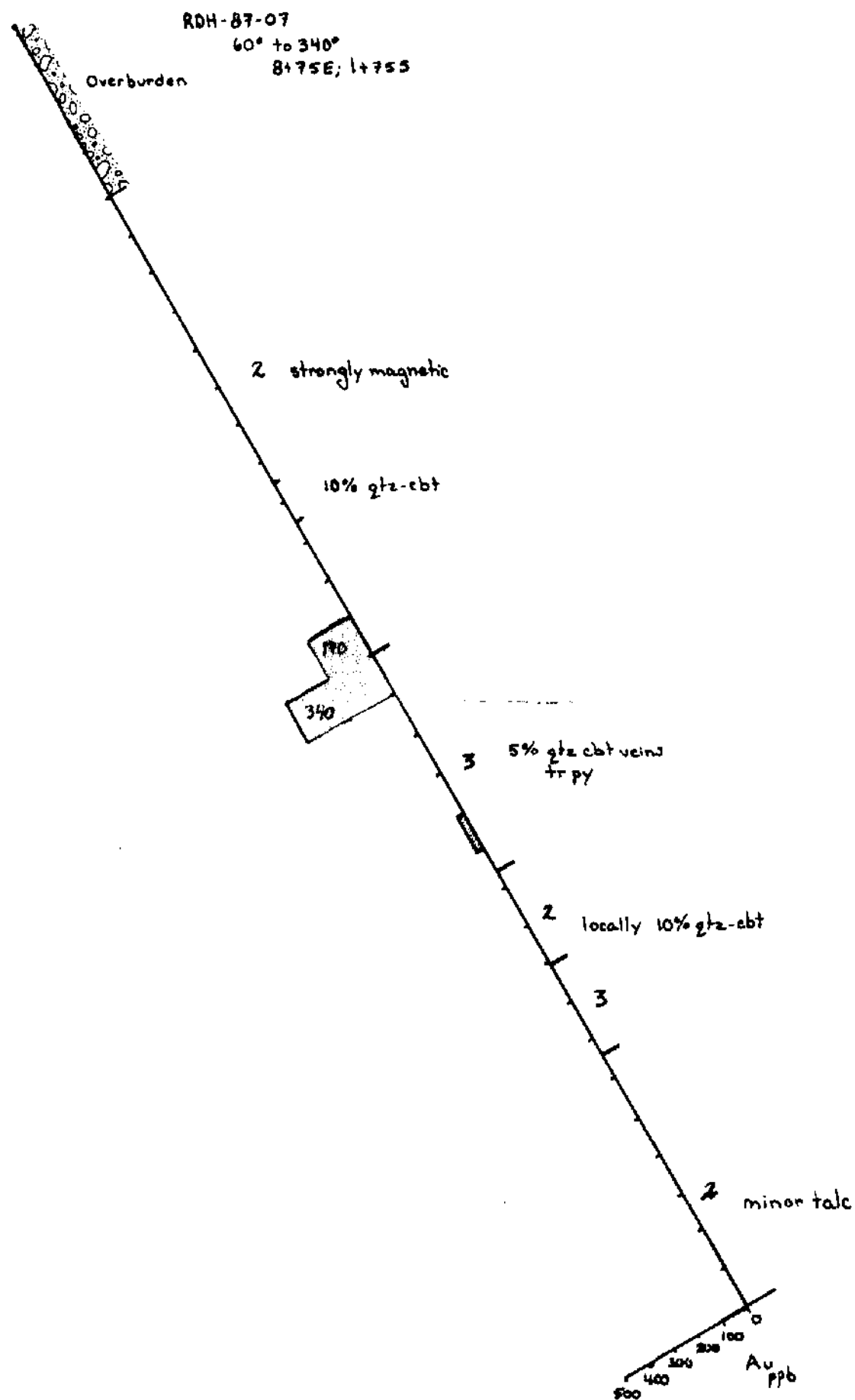
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 13  
BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| sau  | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cv   | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

DOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 07

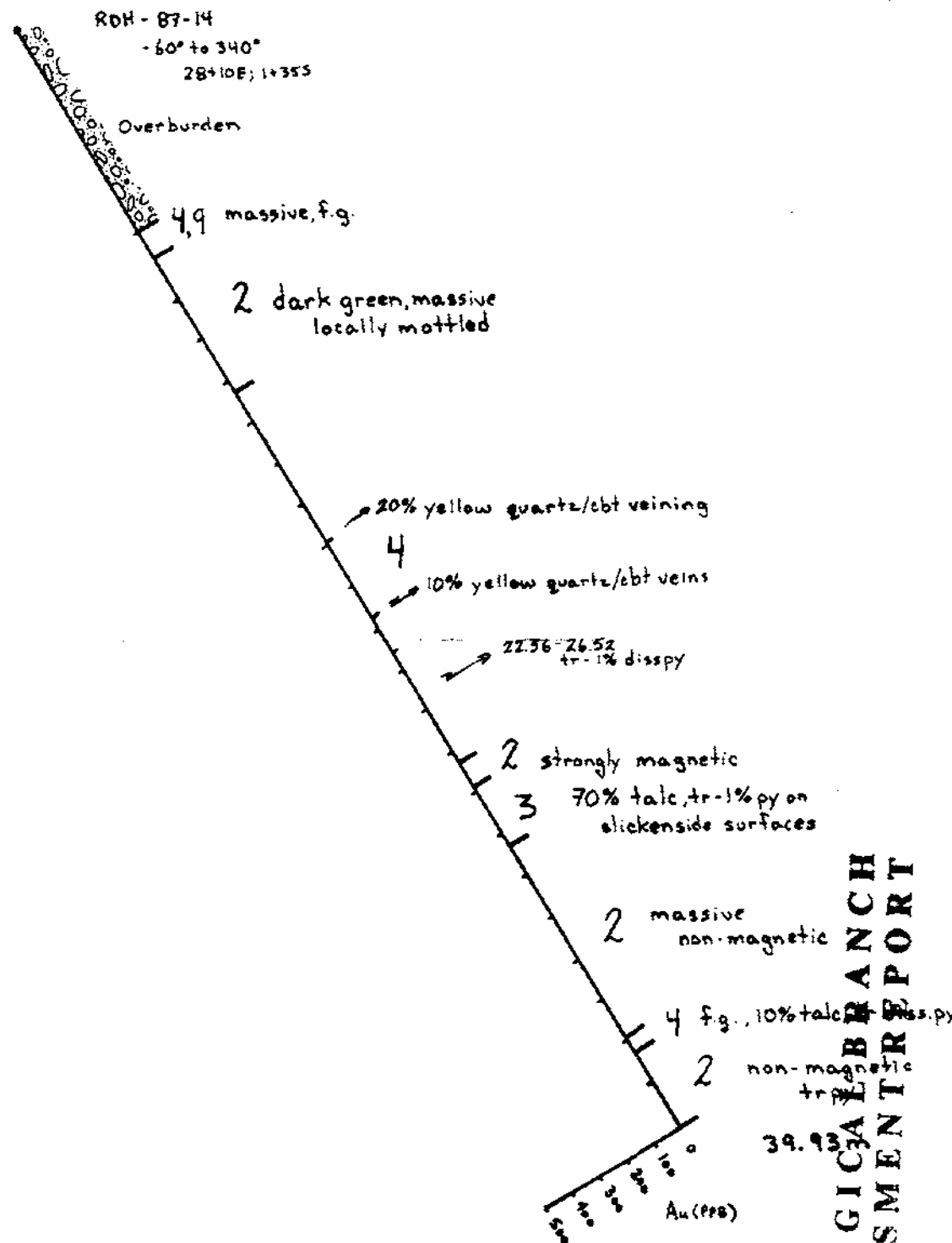
ARENT II CLAIM

ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

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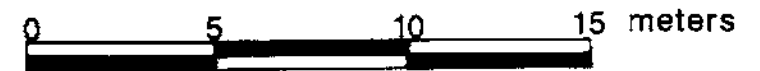
LEGEND

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



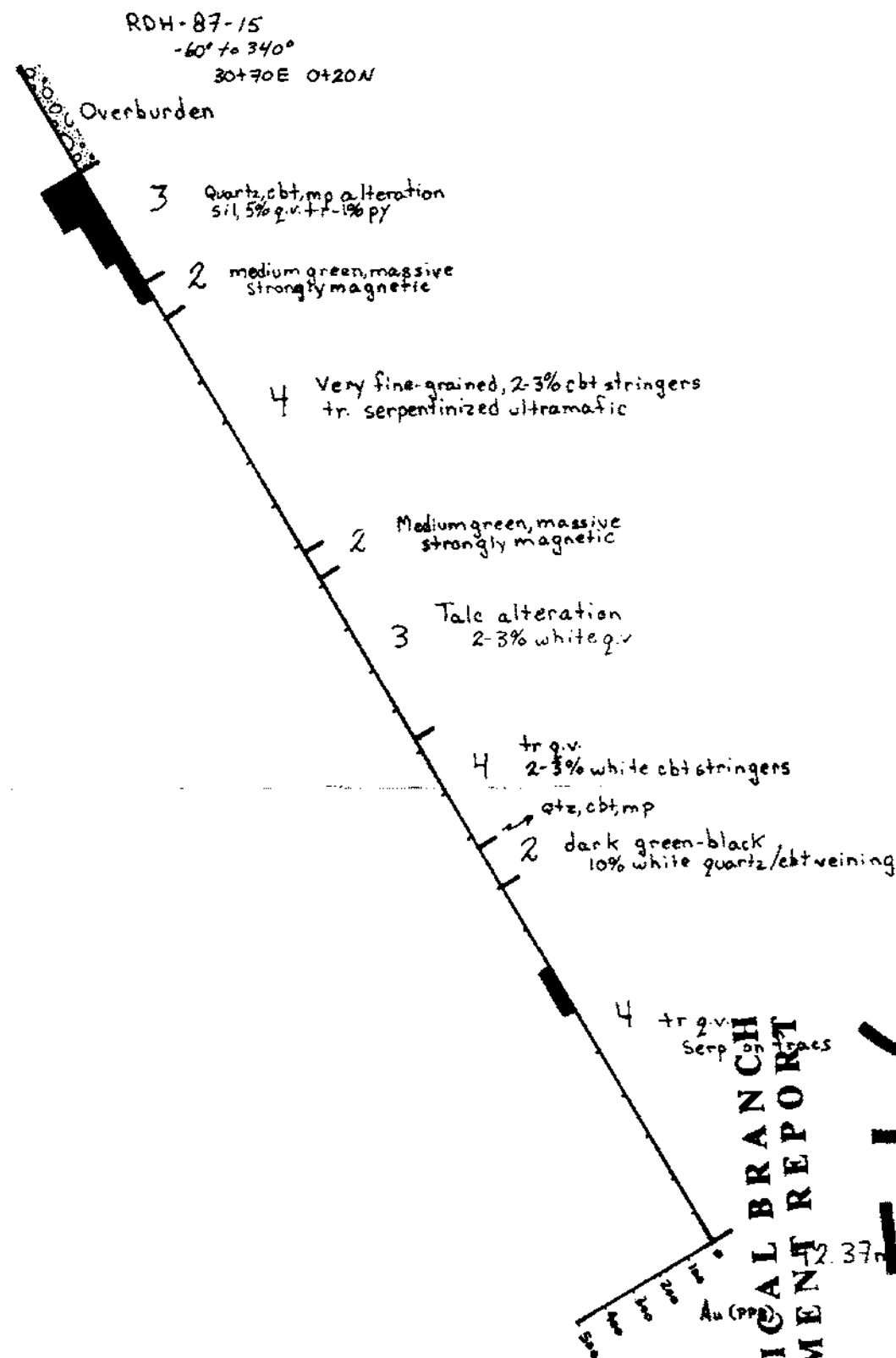
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

|                                                      |                  |                       |                |
|------------------------------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                                            |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY                          |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH - 87 - 14                                        |                  |                       |                |
| BEAMA CLAIM                                          |                  |                       |                |
| ATLIN, BRITISH COLUMBIA                              |                  |                       |                |
| DRAWN<br>DM                                          | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____                                        |                  |                       |                |

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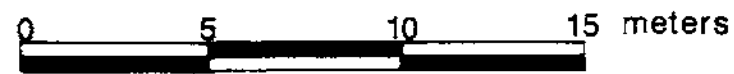


Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

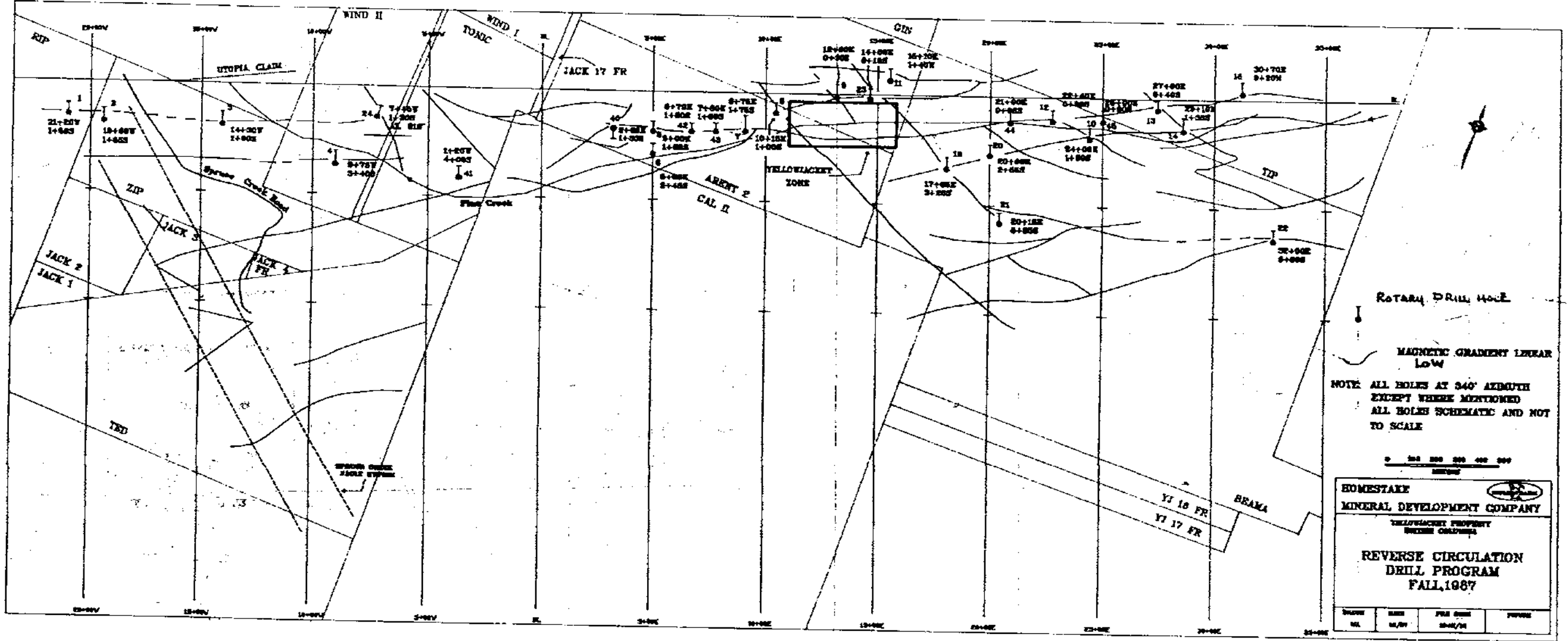
- bi biotite
- ca calcite
- cbt carbonate (dolo., magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



GEOLOGICAL BRANCH  
 REPORT  
 ASSESSMENT

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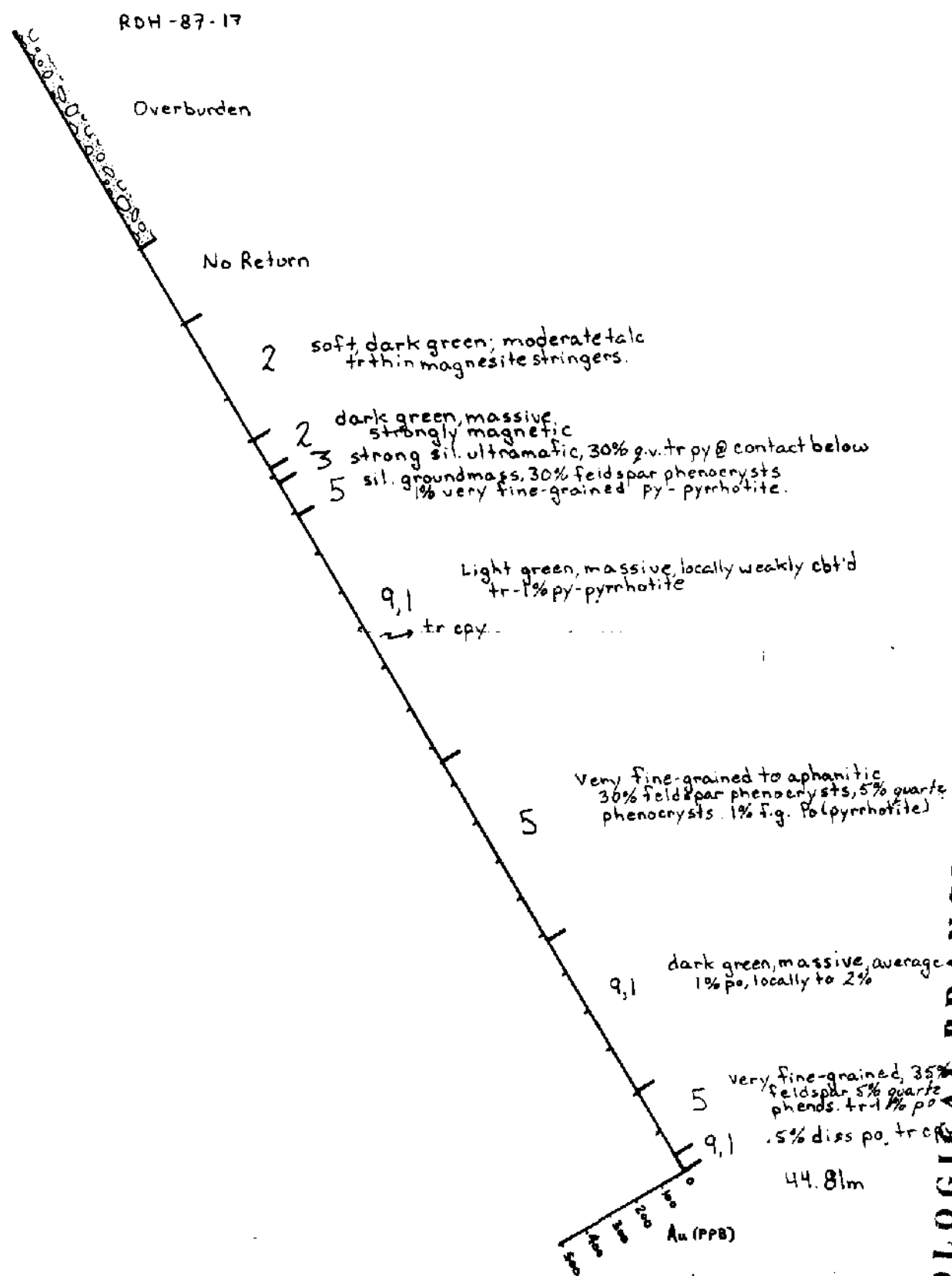
|                                                                                      |                  |                       |                |
|--------------------------------------------------------------------------------------|------------------|-----------------------|----------------|
| <b>HOMESTAKE</b><br><b>MINERAL DEVELOPMENT COMPANY</b>                               |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING<br>RDH - 87 - 15<br>BEAMA CLAIM |                  |                       |                |
| ATLIN, BRITISH COLUMBIA                                                              |                  |                       |                |
| DRAWN<br>DM                                                                          | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____                                                                        |                  |                       |                |



MAP 1B.

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| sau  | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE

MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE

REVERSE CIRCULATION DRILLING

RDH - 87 - 17

GIN CLAIM

ATLIN, BRITISH COLUMBIA

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DATE

FILE CODE

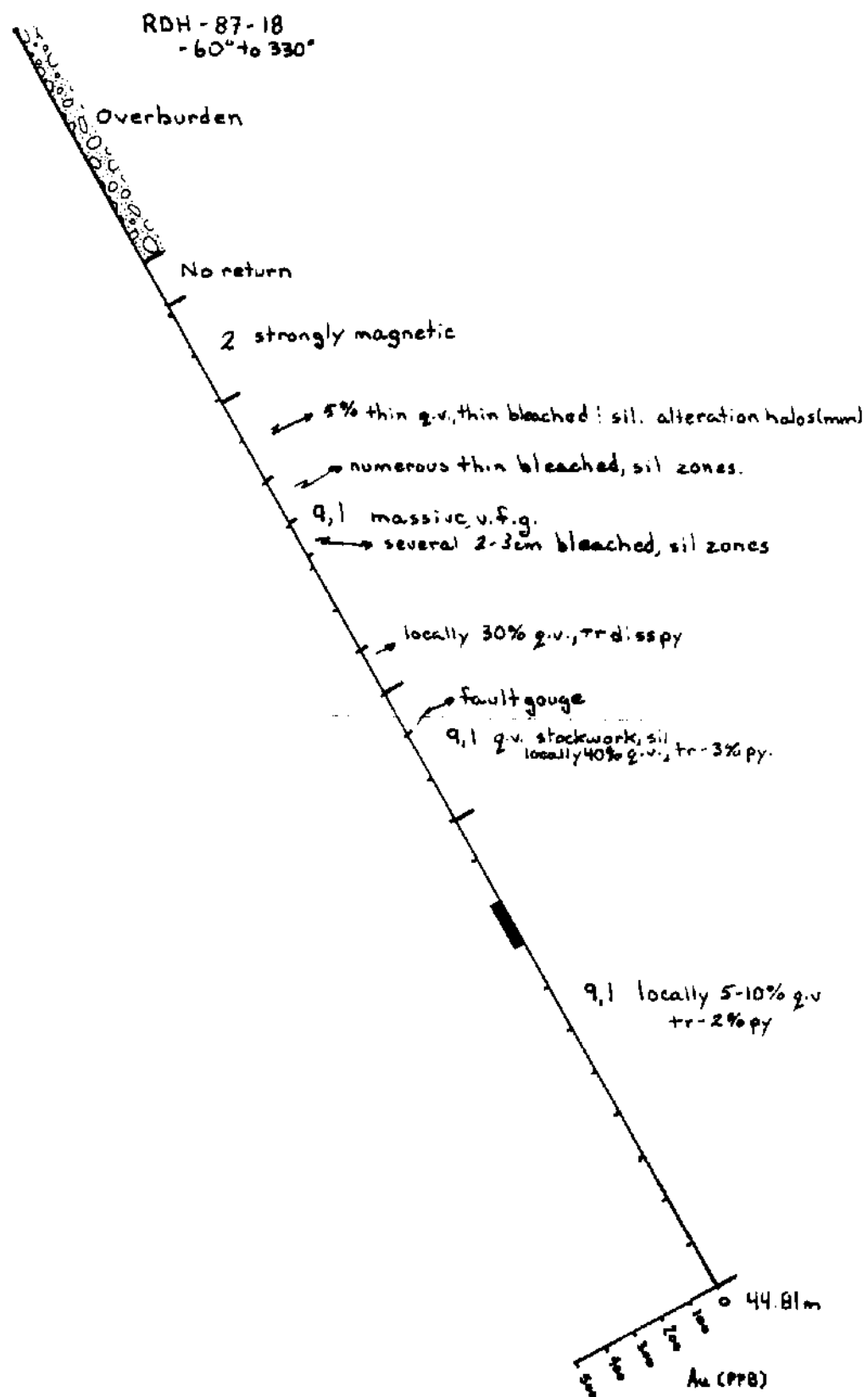
SCALE

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104/N/11.

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

N

## Lithologies

- | LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabbro/diabase    |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

- |      |                              |     |              |
|------|------------------------------|-----|--------------|
| bi   | biotite                      |     |              |
| ca   | calcite                      |     |              |
| cbt  | carbonate (dolo., magnesite) |     |              |
| chl  | chlorite                     |     |              |
| mp   | mariposite                   |     |              |
| q.v. | quartz vein                  |     |              |
| saus | saussuritized                | pyr | pyrargyrite  |
| sil  | silicified                   | sph | sphalerite   |
| st   | sericite                     | tet | tetrahedrite |
| cy   | chalcopyrite                 | gr  | graphite     |
| ga   | galena                       |     |              |
| py   | pyrite                       |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 18

YJ 7

ATLIN, BRITISH COLUMBIA

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DM

DATE  
23/11/87

FILE CODE

SCALE

Revised

104/N/11

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RDH-87-19  
-60° to 340°  
17+65E; 3+25S

Overburden

Diorite, (9) 15-20% dark brown hornblende  
+ white g.v.  
65-70% plagioclase

44.81 m

Au (ppm)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| py   | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 19

BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

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23/11/87FILE CODE  
104/N/11SCALE  
1:200

Revised

17546



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RDH-87-02  
-60° to 340°  
11+60W; 1+855

Overburden

1,9 massive, tr diss py  
along some fracture surfaces

50.90m  
0  
100  
200  
300  
400  
500  
Au  
ppb

## LEGEND

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**  
RDH 87 02  
ZIP CLAIM

ATLIN, BRITISH COLUMBIA

|            |                  |                       |                |
|------------|------------------|-----------------------|----------------|
| DRAW<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
|------------|------------------|-----------------------|----------------|

17546

S

RDH-87-20  
-60° to 340°  
20100E, 2+555

Overburden

2 massive, dark green  
strongly magnetic

44.81m

Au (ppb)

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

N

## Lithologies

| LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabbro/diabase    |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

|      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cp   | chalcopyrite               | gr  | graphite     |
| ga   | galena                     | Δ   | breccia      |
| py   | pyrite                     |     |              |

0 5 10 15 meters

DOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

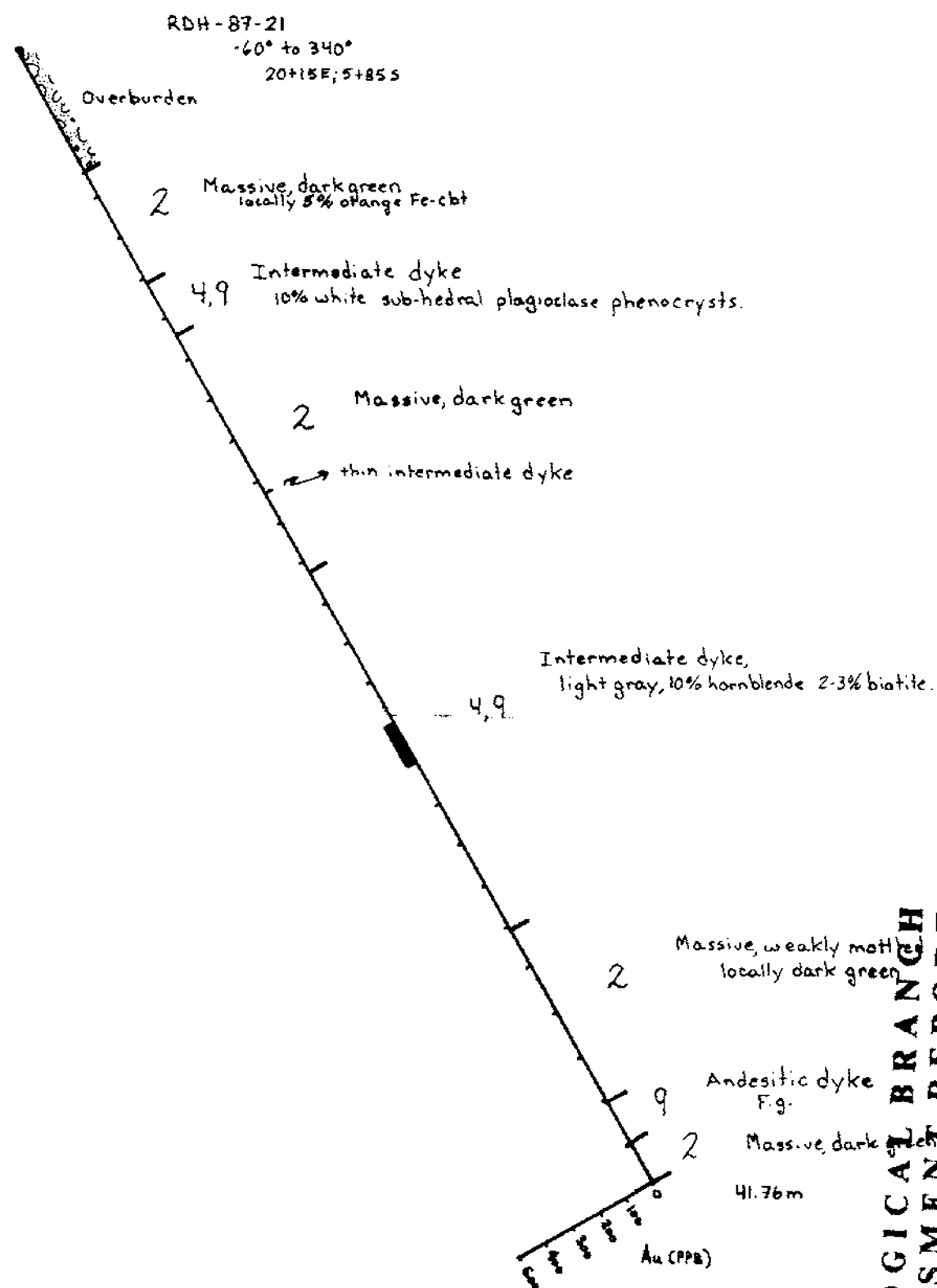
RDH - 87 - 20

BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S



N

## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| py   | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17546

HOMESTAKE  
MINERAL DEVELOPMENT COMPANYATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

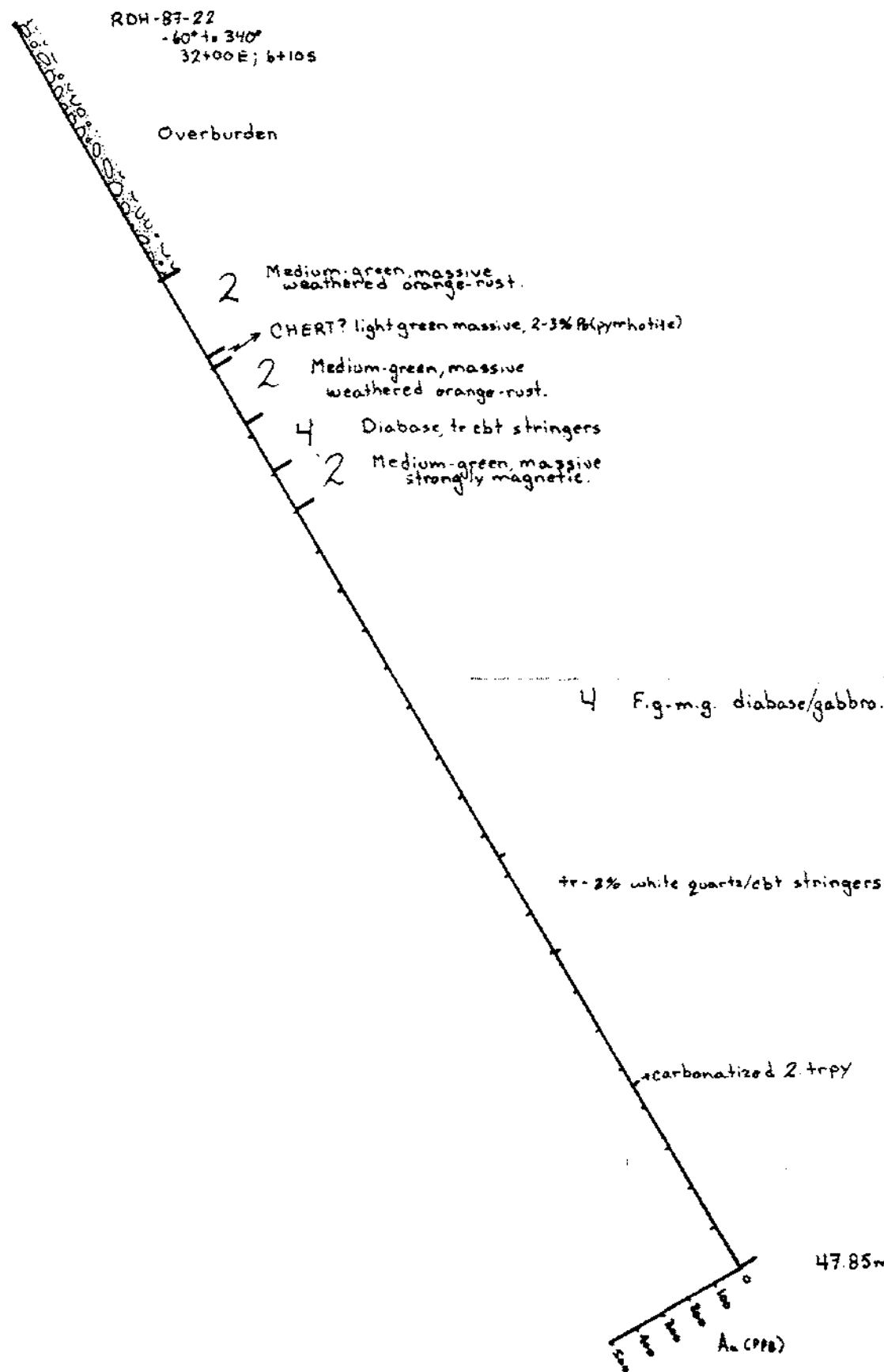
RDH - 87 - 21

BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

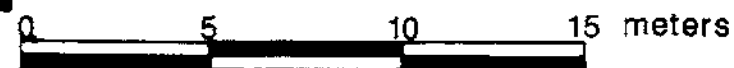
N

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo., magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- sau saussuritized
- sil silicified
- st sericite
- cp chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



DOMESTAKE  
MINERAL DEVELOPMENT COMPANY

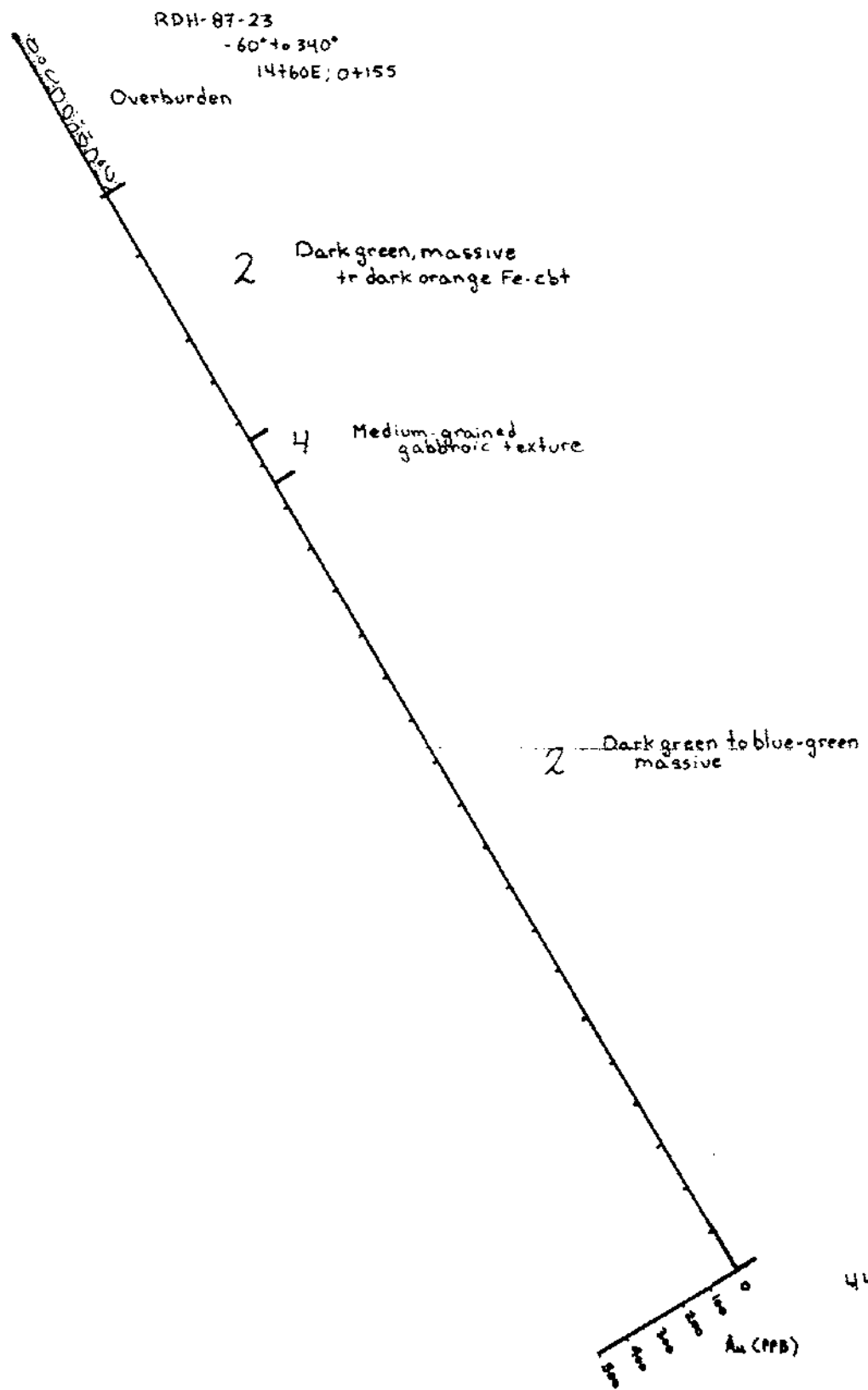
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH - 87 - 22  
BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

17546

S



N

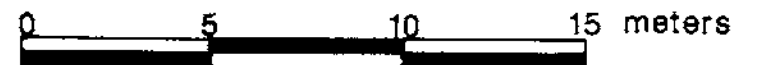
LEGEND

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bl biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

44.20

17516

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH - 87 - 23  
ARENT 1 CLAIM

ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S

N

RDH - 87-24  
 -60° to 010°  
 7+45W; 1+30S

Overburden

2  
 Dark green massive  
 10% talc  
 46.02  
 Au (ppm)

\*Note: Hole abandon due to drilling difficulties.

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| ch   | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
 MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
 REVERSE CIRCULATION DRILLING  
 RDH - 87 - 24

WIND II CLAIM

ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S

RDH-87-25

-60° @ 020° ; L4.07E, 0+10S

Overburden

500 ppb Au

&gt;10 g/t Au

3.

Qtz-cbt-mpc alt. am.  
 -mod. to strongly sil., 5-15% mpc,  
 tr. - 1% disc. Py, locally 15-30% qtz  
 veining, local tr. of chlorite, tet., pyrrargyrite  
 (see log for details)

3.

Fault gouge  
 Intermediate dyke

q minor qtz-cbt-mp +py

30% qtz-cbt v. +mp +py

thin sil, cbt alt. zones

q, l

sil, cbt alt., 2% Py, tr. Coy

q

thin sil, cbt alt. 2%  
to 7% q.v., Py

q, l

55.40m

100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
Au ppb

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

N

## Lithologies

- 9 andesite  
 1 basalt  
 2 serpentinite  
 3 altered rock  
 4 gabbro/diabase  
 5 feldspar porphyry  
 13 granite  
 12 argillite

## Modifiers

- bi biotite  
 ca calcite  
 cbt carbonate (dolo., magnesite)  
 chl chlorite  
 mp mariposite  
 q.v. quartz vein  
 saus saussuritized  
 sil silicified  
 st sericite  
 cpy chalcopyrite  
 ga galena  
 pyrite pyrite
- pyr pyrargyrite  
 sph sphalerite  
 tet tetrahedrite  
 gr graphite

0 5 10 15 meters

HOMESTAKE

MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
 REVERSE CIRCULATION DRILLING

RDH-87-25

PICTOU PROPERTY

ATLIN, BRITISH COLUMBIA

DRAWN  
DMDATE  
23/11/87

FILE CODE

SCALE

Revised

104/N/11

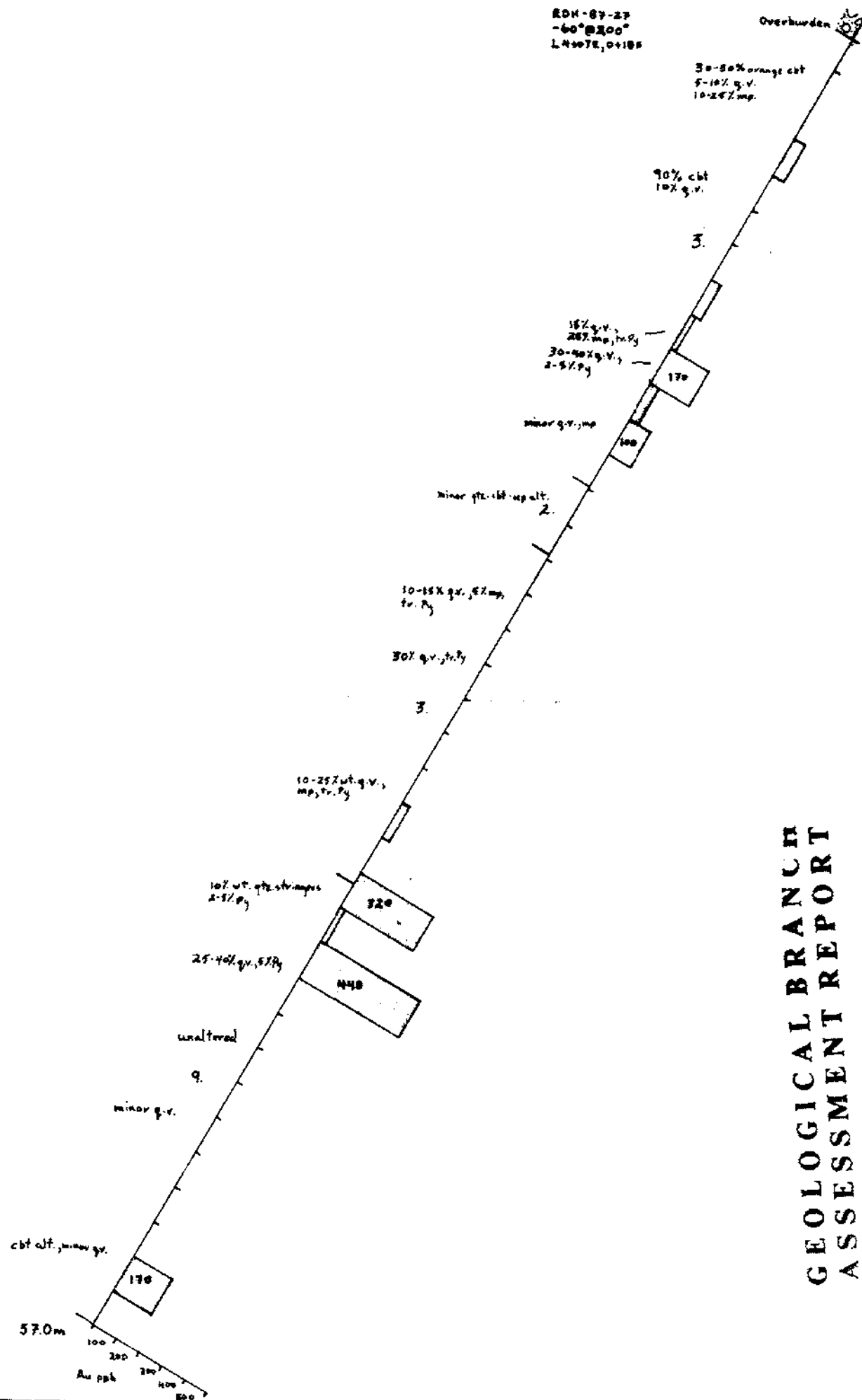
1:200

S

RDH-87-27  
-60°@200°  
LN 107E, 0+10E

Overburden

N



## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

HOMESTAKE  
MINERAL DEVELOPMENT COMPANYATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-27PICTOU PROPERTY  
ATLIN, BRITISH COLUMBIADRAWN  
DMDATE  
23/11/87FILE CODE  
104/N/11SCALE  
1:200

Revised



S

N

RDH-87-30  
-60° @ 020°  
L 38, Z 140N

Overburden

4.

4.

15% talc/clay on fractures

Ht. brown alt.

fr. Py cubes

5.

3. Talc-cbt alt.  
minor q.v., fr. Py

9. cbt. black and zone  
fr. -18Py

60.9m

100  
200  
300  
400  
500  
Au 7pb

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                             |     |              |
|------|-----------------------------|-----|--------------|
| bi   | biotite                     |     |              |
| ca   | calcite                     |     |              |
| cbt  | carbonate(dolo., magnesite) |     |              |
| chl  | chlorite                    |     |              |
| mp   | mariposite                  |     |              |
| q.v. | quartz vein                 |     |              |
| saus | saussuritized               | pyr | pyrargyrite  |
| sil  | silicified                  | sph | sphalerite   |
| st   | sericite                    | tet | tetrahedrite |
| cpy  | chalcopyrite                | gr  | graphite     |
| ga   | galena                      |     |              |
| py   | pyrite                      |     |              |

0 5 10 15 meters

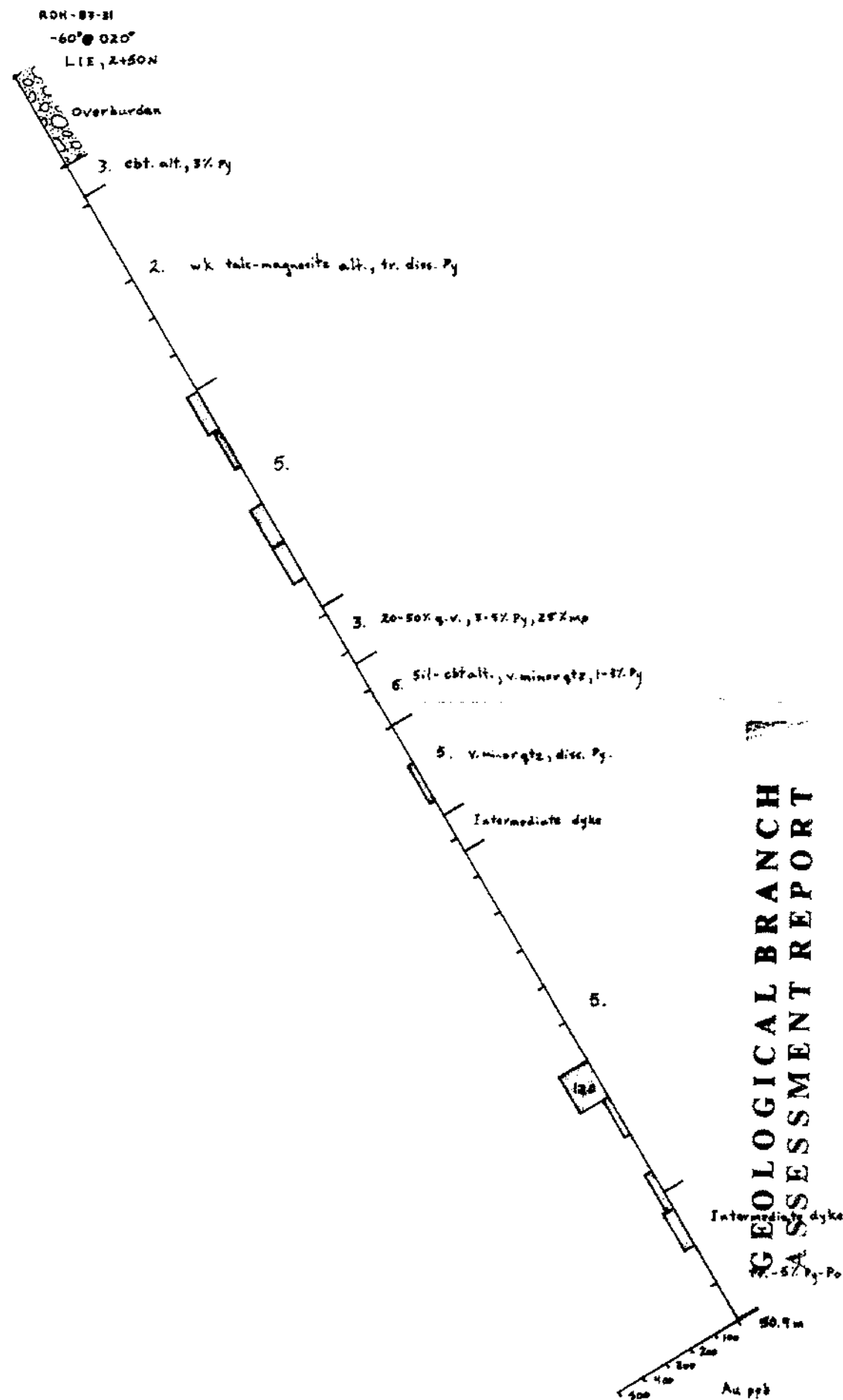
HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-30

PICTOU PROPERTY  
ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

S



N

## Lithologies

- | LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabro/diabase     |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnetite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

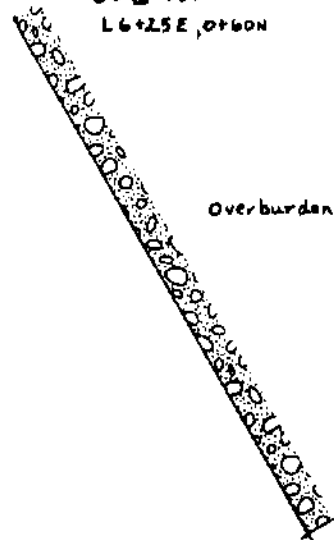
HOMESTAKE  
MINERAL DEVELOPMENT COMPANY  
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-31

PICTOU PROPERTY  
ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
|-------------|------------------|-----------------------|----------------|

S

RDH-87-32  
-60° @ 030°  
L6+25E, 0760N



Overburden

sil, tr. q. v., tr. 5% cbt, 5-15% mp

3.

Fault gouge

2.

40% cbt-sil alt, 5-10% mp

3.

10% ut. q.v.

tr. q.v., 20% mp

q cbt alt, 5-10% q.v., 1-3% py

GEOLOGICAL BRANCH  
ASSESSMENT REPORT



N

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| py   | chalcopryite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH-87-32

JACK 29 PROPERTY

ATLIN, BRITISH COLUMBIA

DRAWN  
DM

DATE  
23/11/87

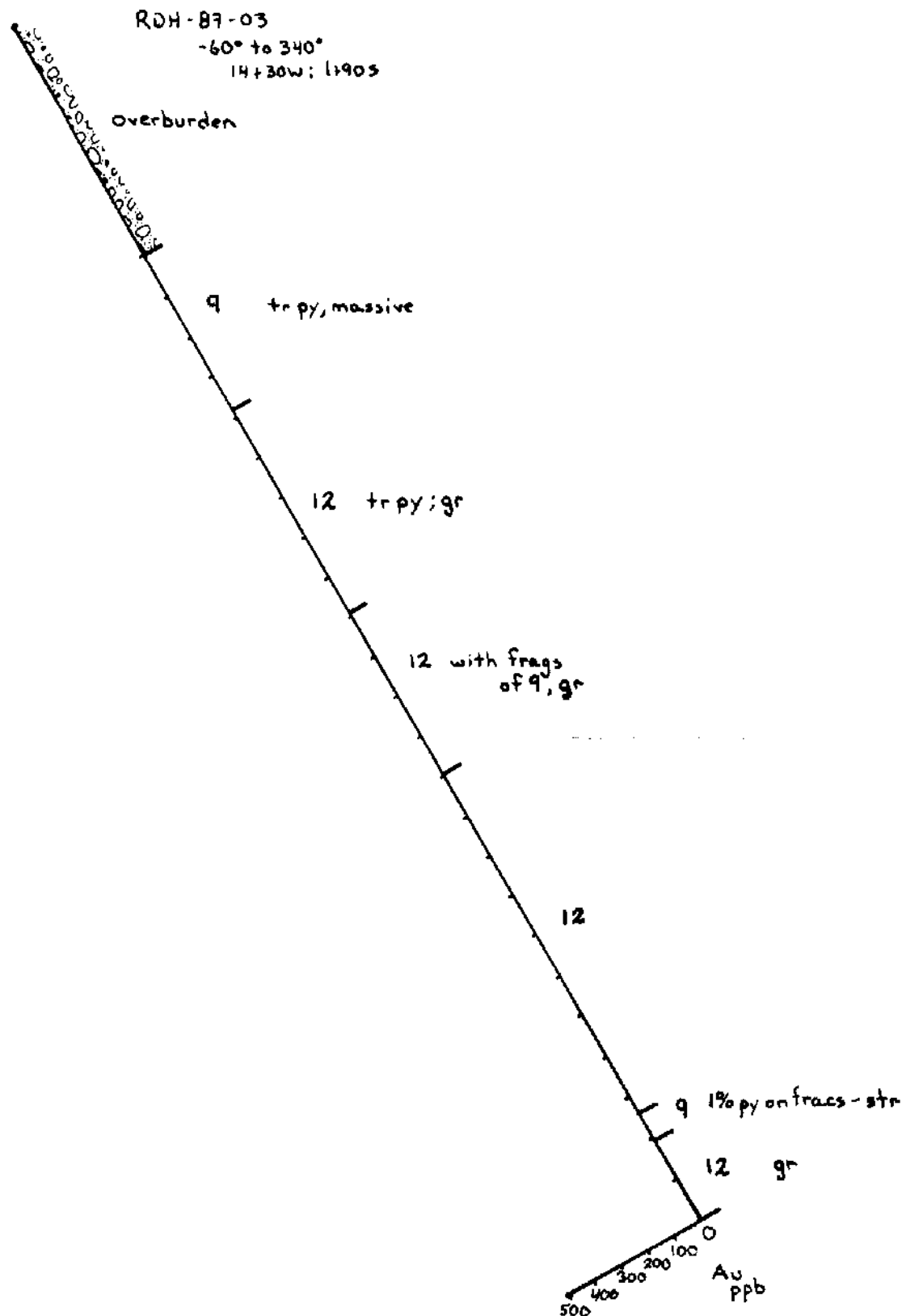
FILE CODE  
104/N/11

SCALE  
1:200

Revised

17546

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17546

N

Lithologies LEGEND

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

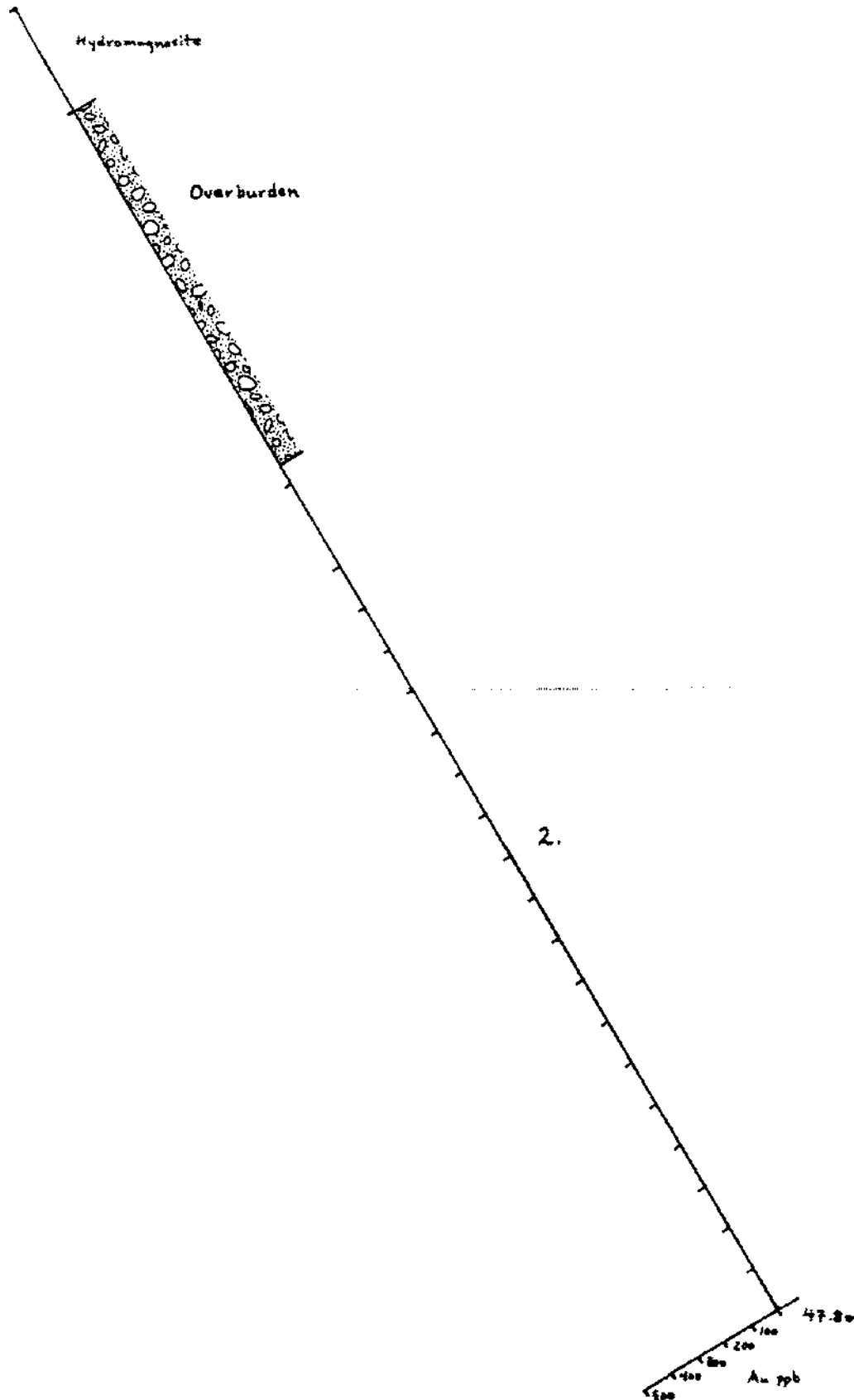
- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



|                                                      |                  |                       |                |
|------------------------------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                                            |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY                          |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH - 87 - 03<br>ZIP CLAIM                           |                  |                       |                |
| ATLIN, BRITISH COLUMBIA                              |                  |                       |                |
| DRAWN<br>DM                                          | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised                                              |                  |                       |                |

S

RDH-87-33  
-60° @ 045°  
L1W, 1+40M



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

N

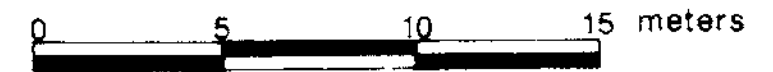
LEGEND

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

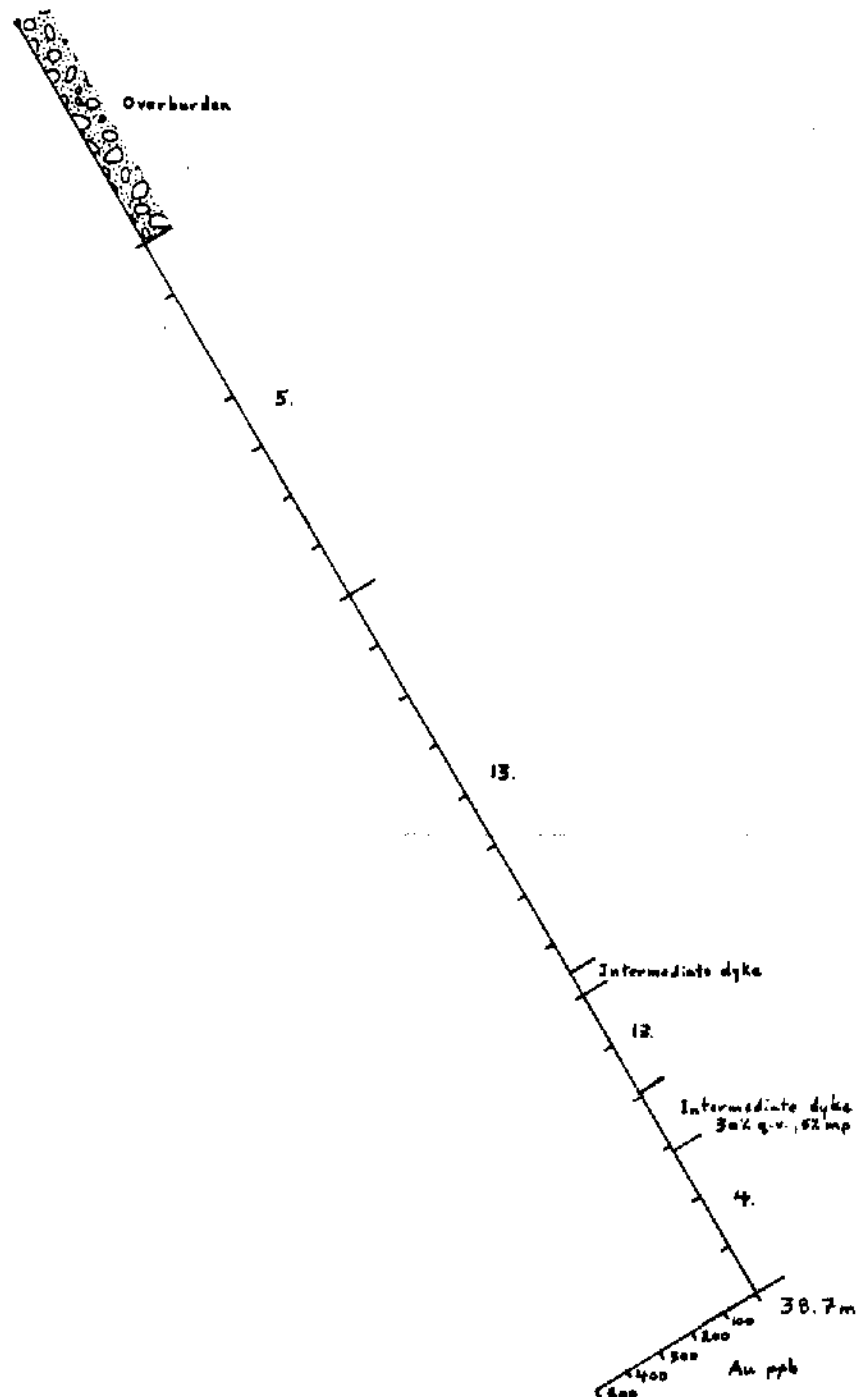
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-33

CROWN GRANT #721  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S

RDH-87-34  
-60° @ 0°  
L 12W, T+30N



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,516

N

## Lithologies

- |           |                   |
|-----------|-------------------|
| <b>9</b>  | andesite          |
| <b>1</b>  | basalt            |
| <b>2</b>  | serpentinite      |
| <b>3</b>  | altered rock      |
| <b>4</b>  | gabbro/diabase    |
| <b>5</b>  | feldspar porphyry |
| <b>13</b> | granite           |
| <b>12</b> | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

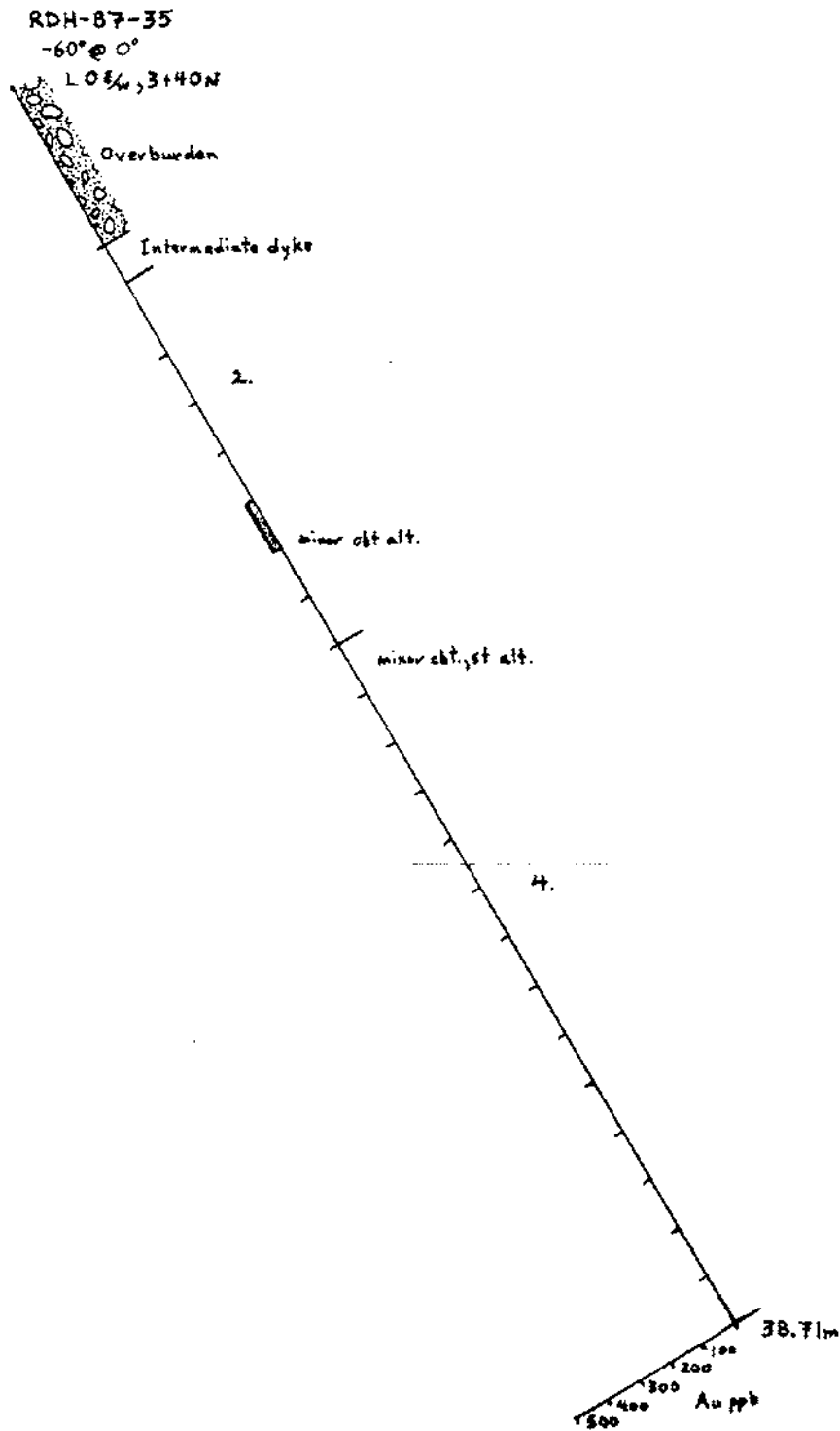
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH-87-34

BALSAM  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17546

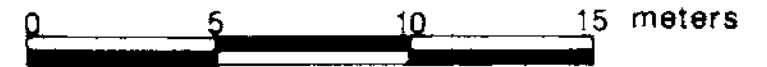
N

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- sau saussuritized
- sil silicified
- ser sericite
- cpy chalcopyrite
- gal galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-35

BALSAM  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S

RDH-87-36  
 -60° @ 330°  
 LIW, 0+50s of RDH-87-36 collar

Overburden

Overburden

2

3. qtz-ct-mp  
 5% qtz fct v. v., tr.-6%mp

2.

3. qtz-ct-mp  
 minor q.v., tr.-2%mp

9.

50.90m

100  
 200  
 300  
 400  
 500  
 Aug 87

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

N

## Lithologies

- 9 andesite  
 1 basalt  
 2 serpentinite  
 3 altered rock  
 4 gabbro/diabase  
 5 feldspar porphyry  
 13 granite  
 12 argillite

## Modifiers

- bi biotite  
 ca calcite  
 cbt carbonate(dolo.,magnesite)  
 chl chlorite  
 mp mariposite  
 q.v. quartz vein  
 saus saussuritized  
 sil silicified  
 st sericite  
 cpy chalcopyrite  
 ga galena  
 pyrite pyrite
- pyr pyrargyrite  
 sph sphalerite  
 tet tetrahedrite  
 gr graphite

0 5 10 15 meters

HOMESTAKE  
 MINERAL DEVELOPMENT COMPANY

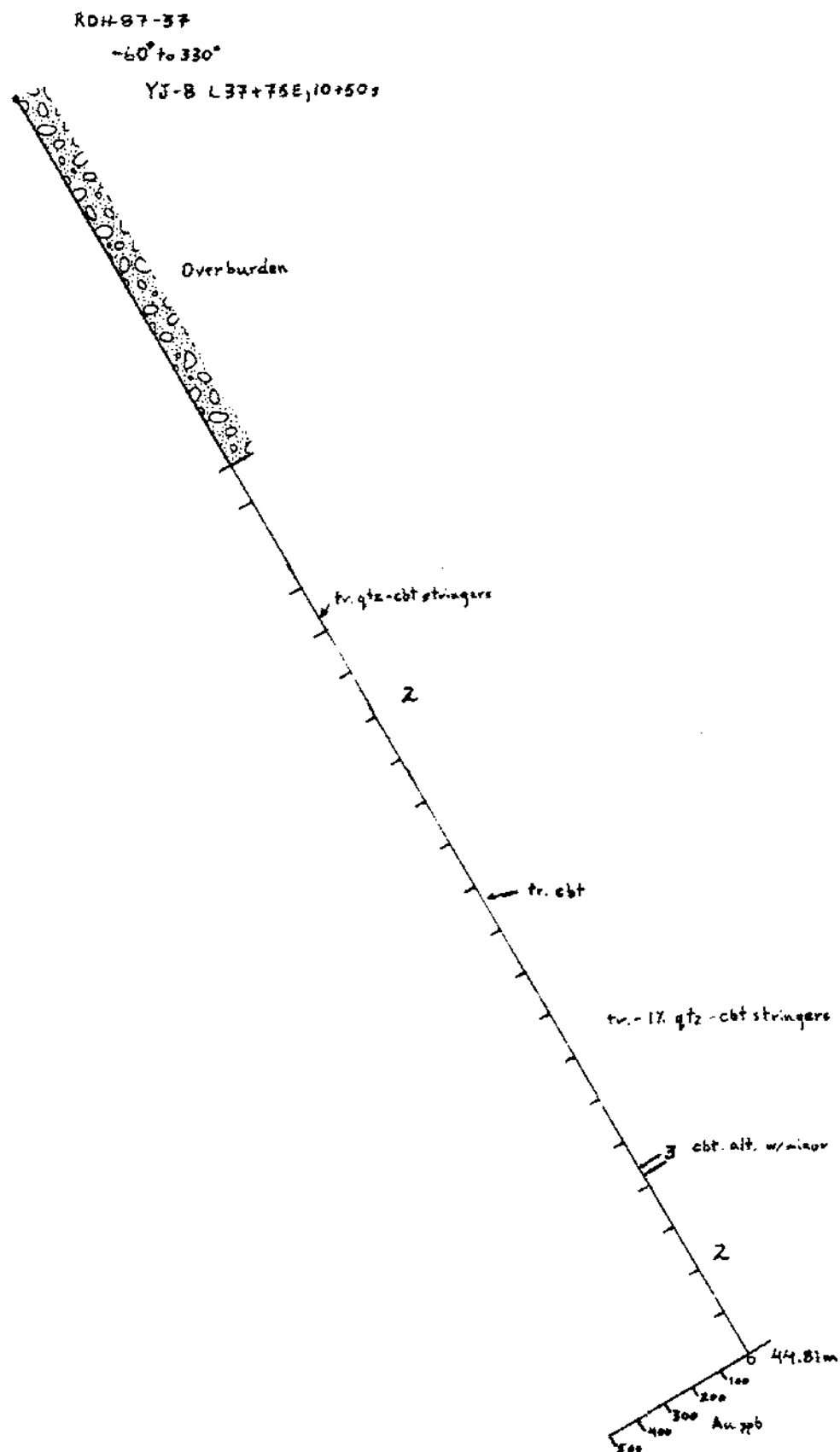
ATLIN RECONNAISSANCE  
 REVERSE CIRCULATION DRILLING  
 RDH-87-36

YJ-8 PROPERTY  
 ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |



S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

N

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                              |     |              |
|------|------------------------------|-----|--------------|
| bi   | biotite                      |     |              |
| ca   | calcite                      |     |              |
| cbt  | carbonate (dolo., magnesite) |     |              |
| chl  | chlorite                     |     |              |
| mp   | mariposite                   |     |              |
| q.v. | quartz vein                  |     |              |
| sau  | saussuritized                | pyr | pyrargyrite  |
| sil  | silicified                   | sph | sphalerite   |
| st   | sericite                     | tet | tetrahedrite |
| cpy  | chalcopyrite                 | gr  | graphite     |
| ga   | galena                       |     |              |
| py   | pyrite                       |     |              |



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

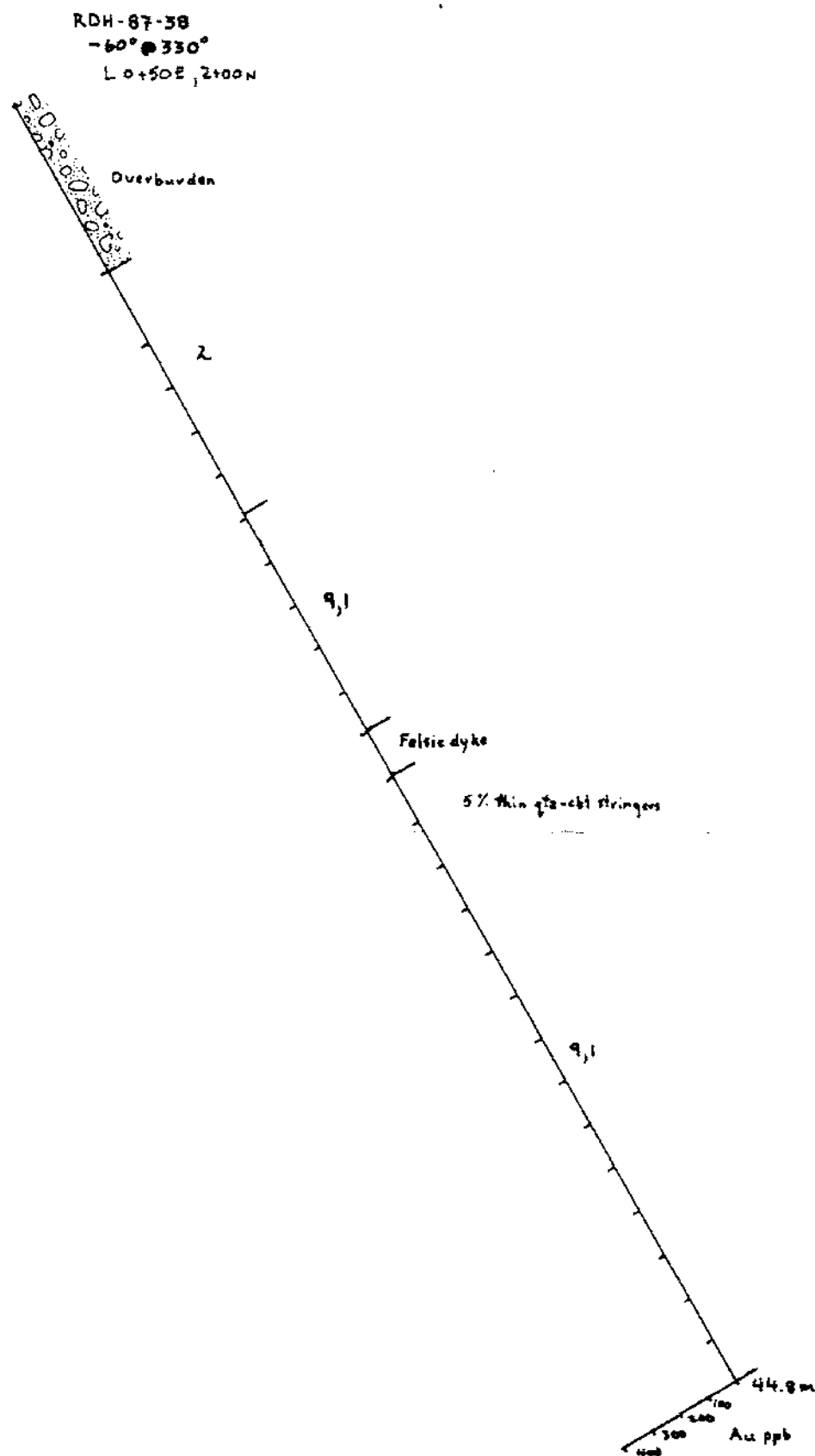
RDH-87-37

YJ-8 PROPERTY

ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,516

N

Lithologies LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

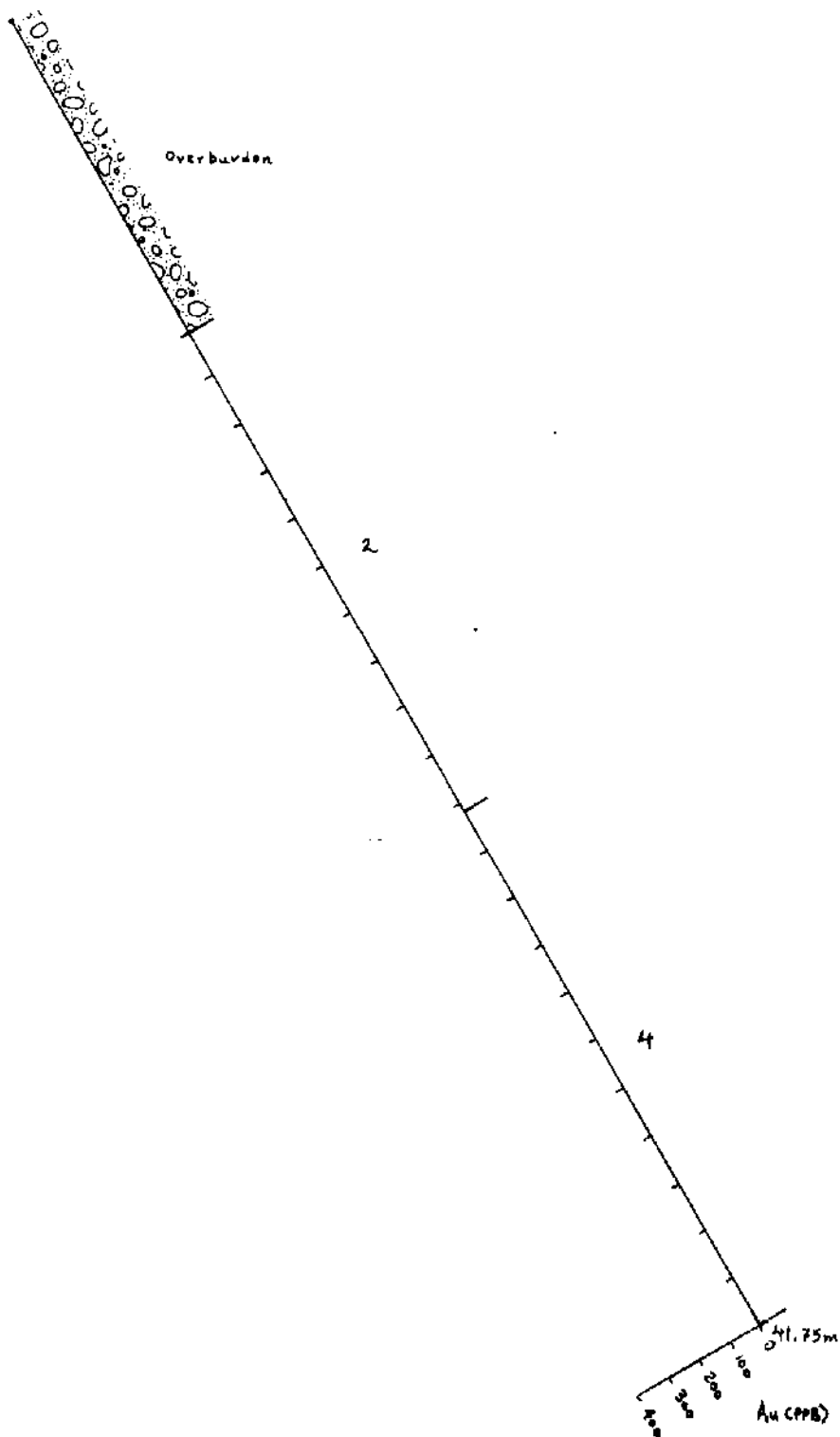
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-38

YJ-7 PROPERTY  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised ..... |                  |                       |                |

S

RDH-87-39  
 -60 @ 340°  
 L2+00E, 13120N



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,516

N

### Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

### Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
 MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
 REVERSE CIRCULATION DRILLING

RDH-87-39

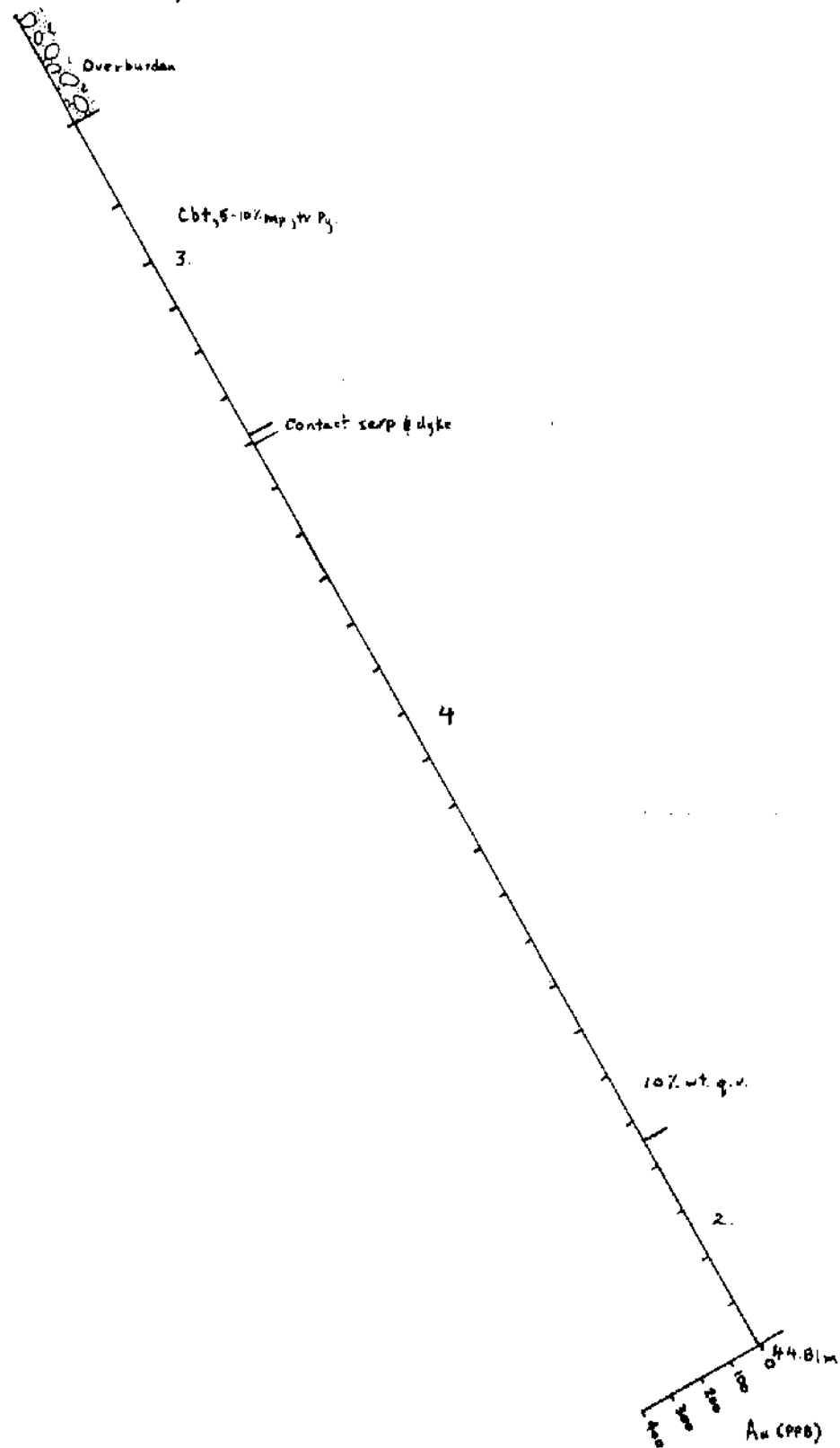
TOP 2 PROPERTY

ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

S

RDH-87-40  
-60° @ 340°  
L 2+80E, 1+30S



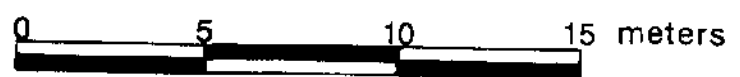
N

Lithologies LEGEND

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite

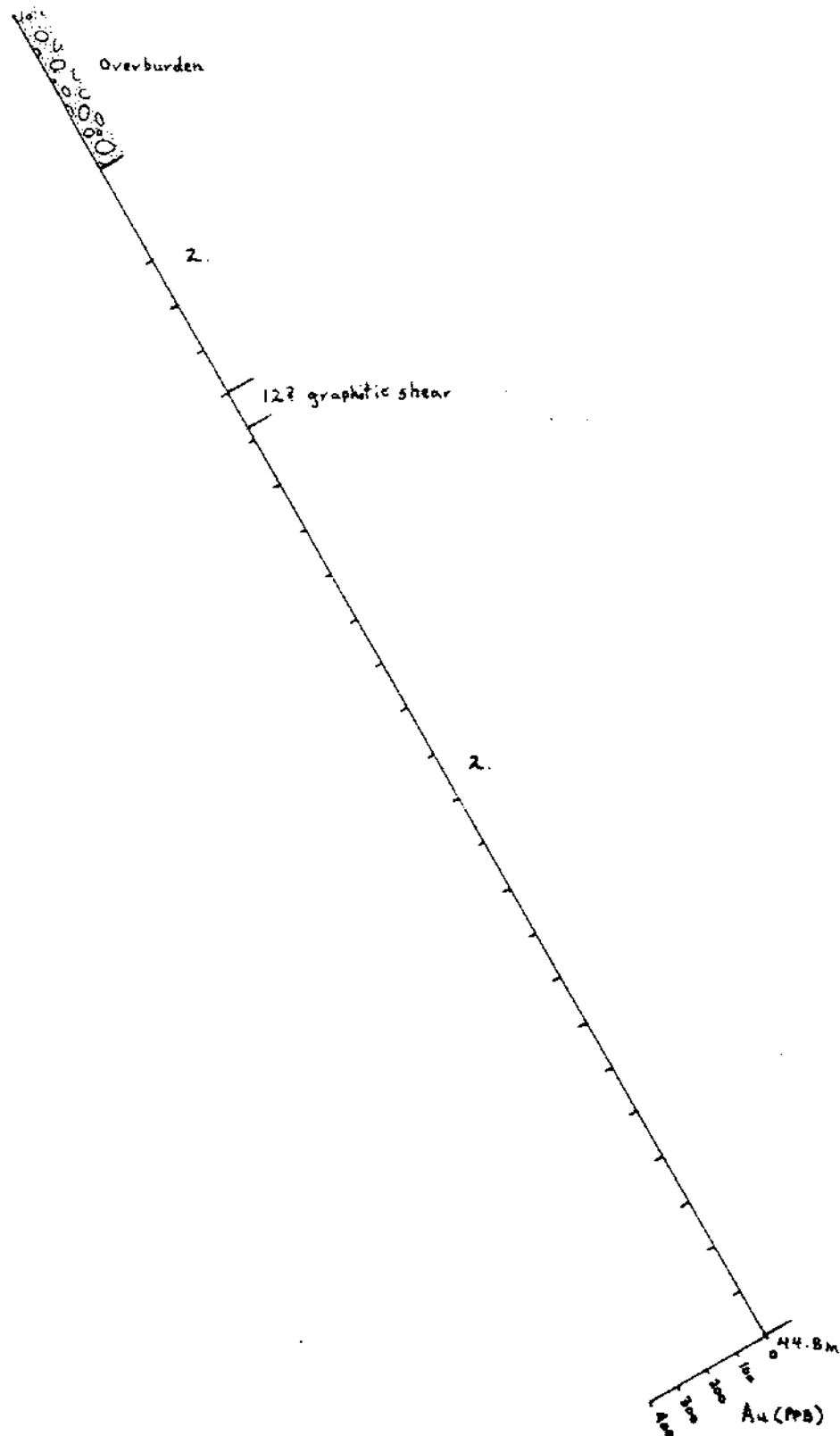


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

|                                                                   |                  |                       |                |
|-------------------------------------------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                                                         |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY                                       |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING<br>RDH-87-40 |                  |                       |                |
| ARENT 2 PROPERTY<br>ATLIN, BRITISH COLUMBIA                       |                  |                       |                |
| DRAWN<br>DM                                                       | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____                                                     |                  |                       |                |

S

RDH-87-41  
-60 @ 340°  
L1+2DW, H+056GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

N

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANYATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH-87-41

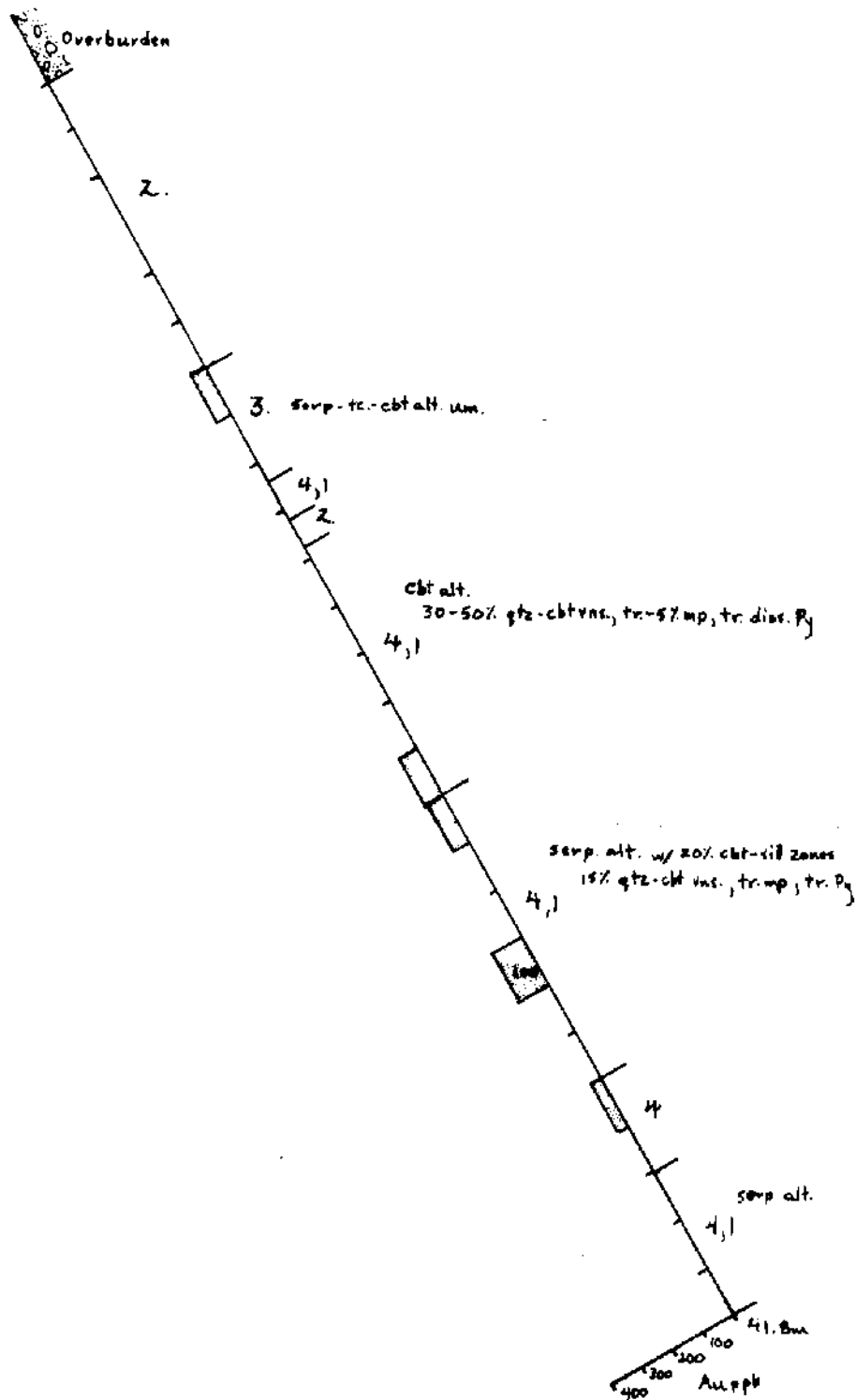
ARENT 2 PROPERTY  
ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

## LEGEND

S

RDH-87-42  
-60° @ 340°  
L6+70E, 1+80s



N

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbl  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH-87-42

ARENT 2 PROPERTY  
ATLIN, BRITISH COLUMBIA

DRAWN  
DM

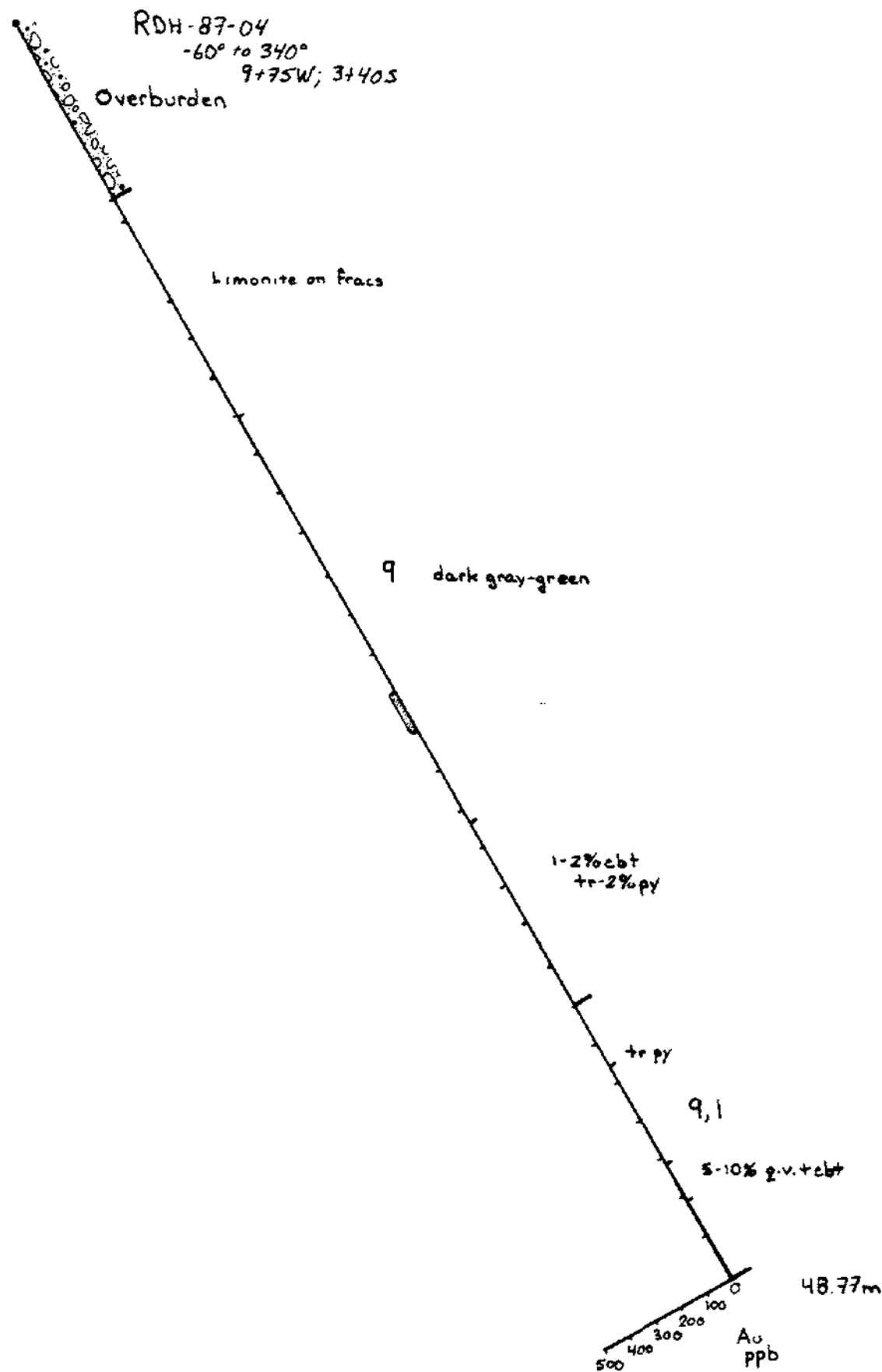
DATE  
23/11/87

FILE CODE  
104/N/11

SCALE  
1:200

Revised

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

N

## Lithologies

- | LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabbro/diabase    |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| sau  | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| py   | pyrite                     | gr  | graphite     |
| cp   | chalcopyrite               |     |              |
| ga   | galena                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

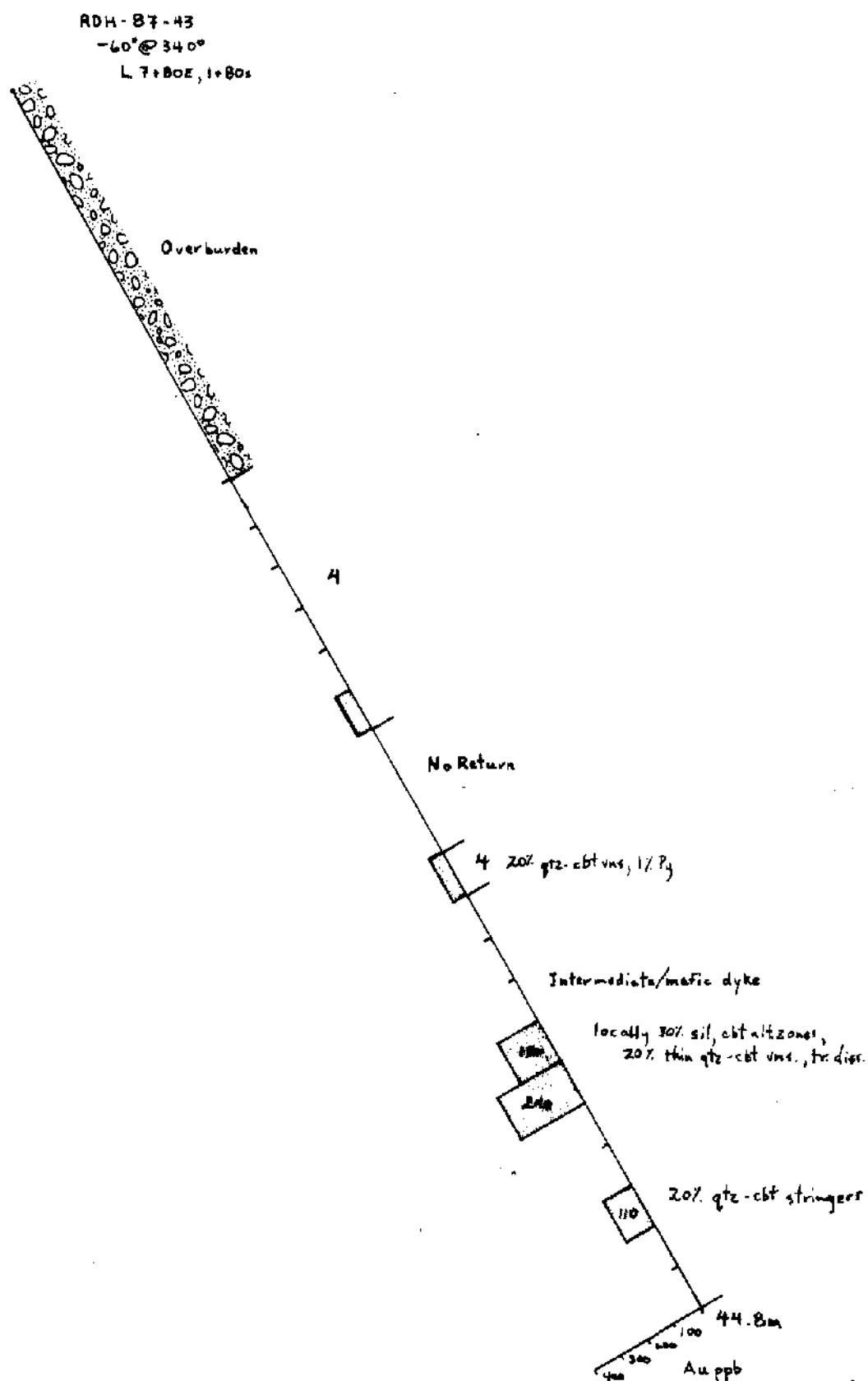
RDH - 87 - 04

WIND II CLAIM

ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised     |                  |                       |                |

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

N

Lithologies **LEGEND**

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

Modifiers

- |      |                              |     |              |
|------|------------------------------|-----|--------------|
| bi   | biotite                      |     |              |
| ca   | calcite                      |     |              |
| cbt  | carbonate (dolo., magnesite) |     |              |
| chl  | chlorite                     |     |              |
| mp   | mariposite                   |     |              |
| q.v. | quartz vein                  |     |              |
| saus | saussuritized                | pyr | pyrargyrite  |
| sil  | silicified                   | sph | sphalerite   |
| st   | sericite                     | tet | tetrahedrite |
| cpy  | chalcopyrite                 | gr  | graphite     |
| ga   | galena                       |     |              |
| py   | pyrite                       |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH-87-43

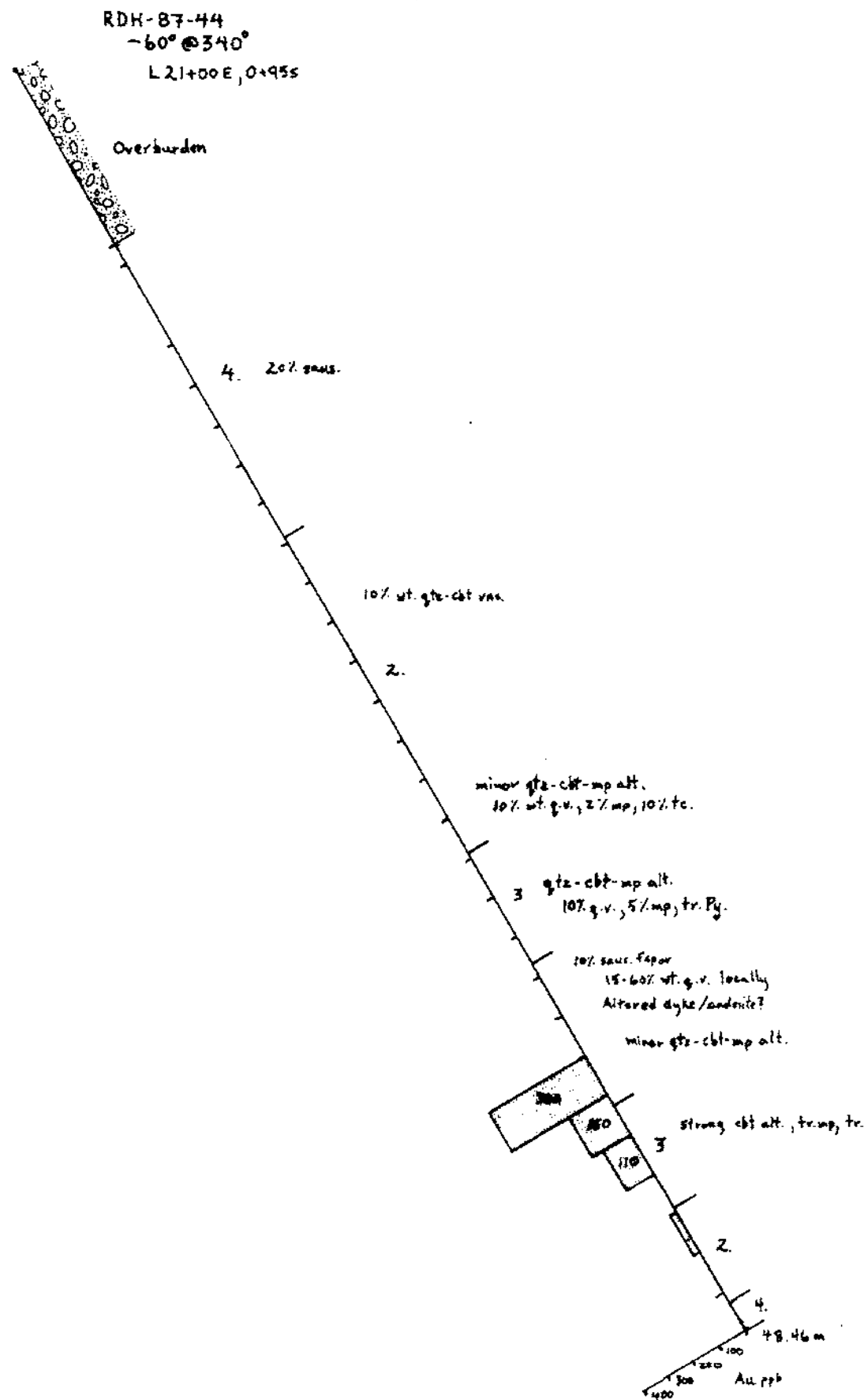
ARENT 2 PROPERTY  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

17516



S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

N

## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| a    | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH-87-44

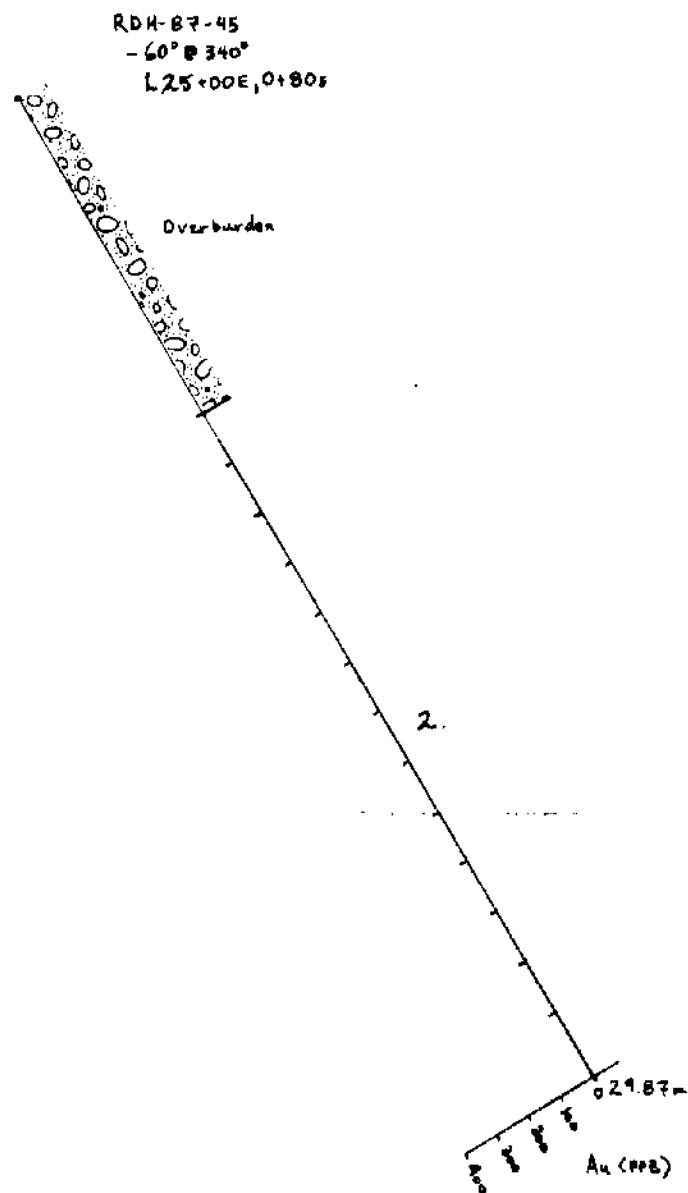
BEAMA PROPERTY  
ATLIN, BRITISH COLUMBIA

|             |                  |                       |                |
|-------------|------------------|-----------------------|----------------|
| DRAWN<br>DM | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
|-------------|------------------|-----------------------|----------------|

Revised \_\_\_\_\_

17546

S



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

175/16

N

Lithologies

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- ppy chalcopyrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

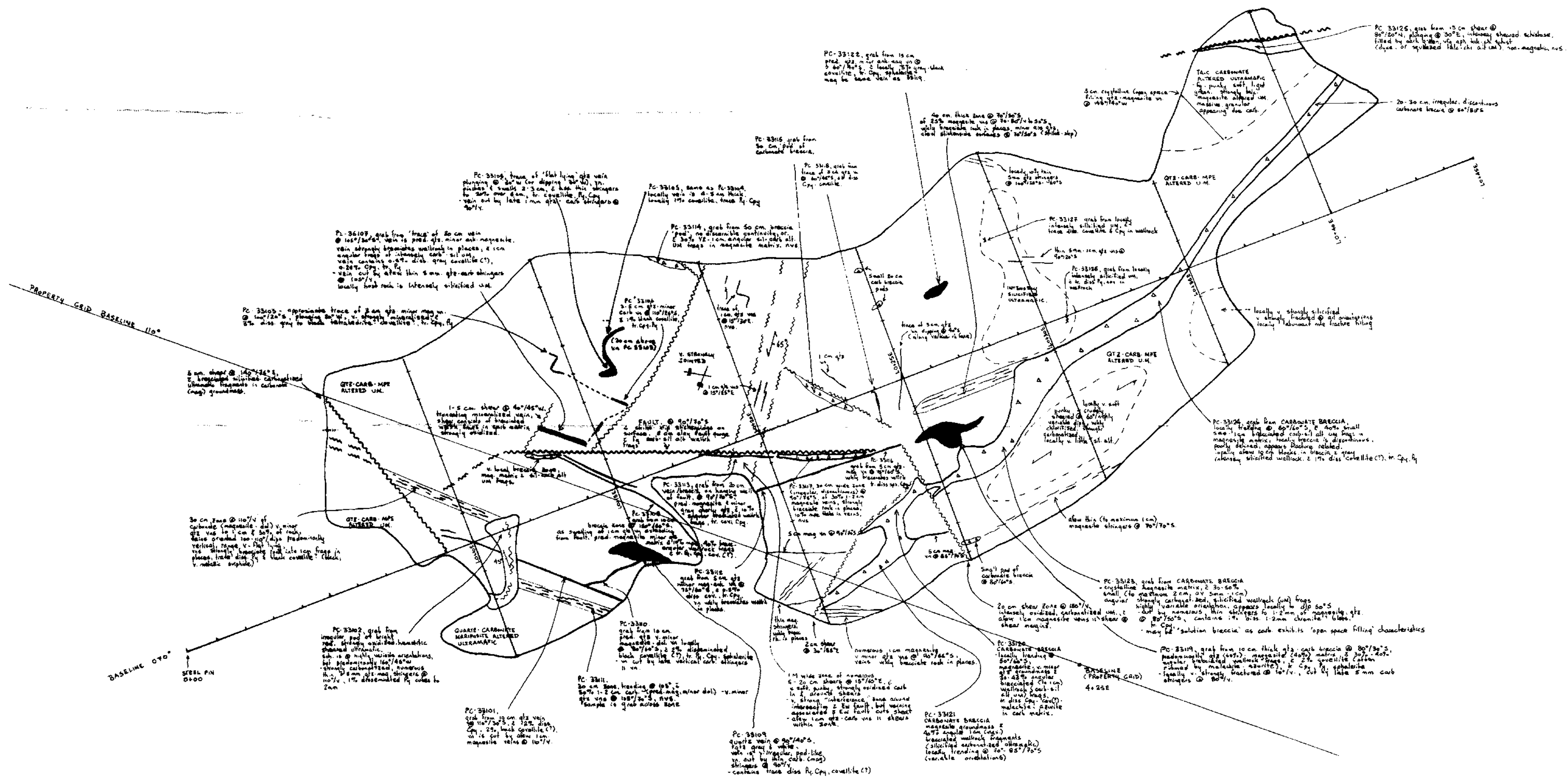
RDH-87-45

BEAMA PROPERTY

ATLIN, BRITISH COLUMBIA

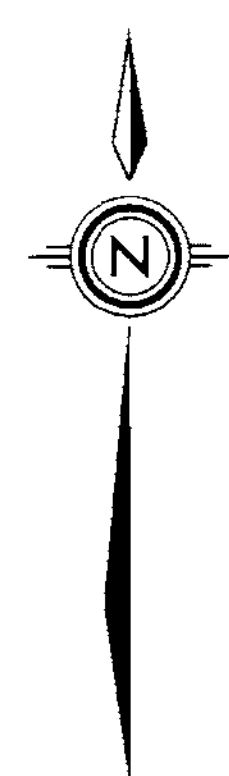
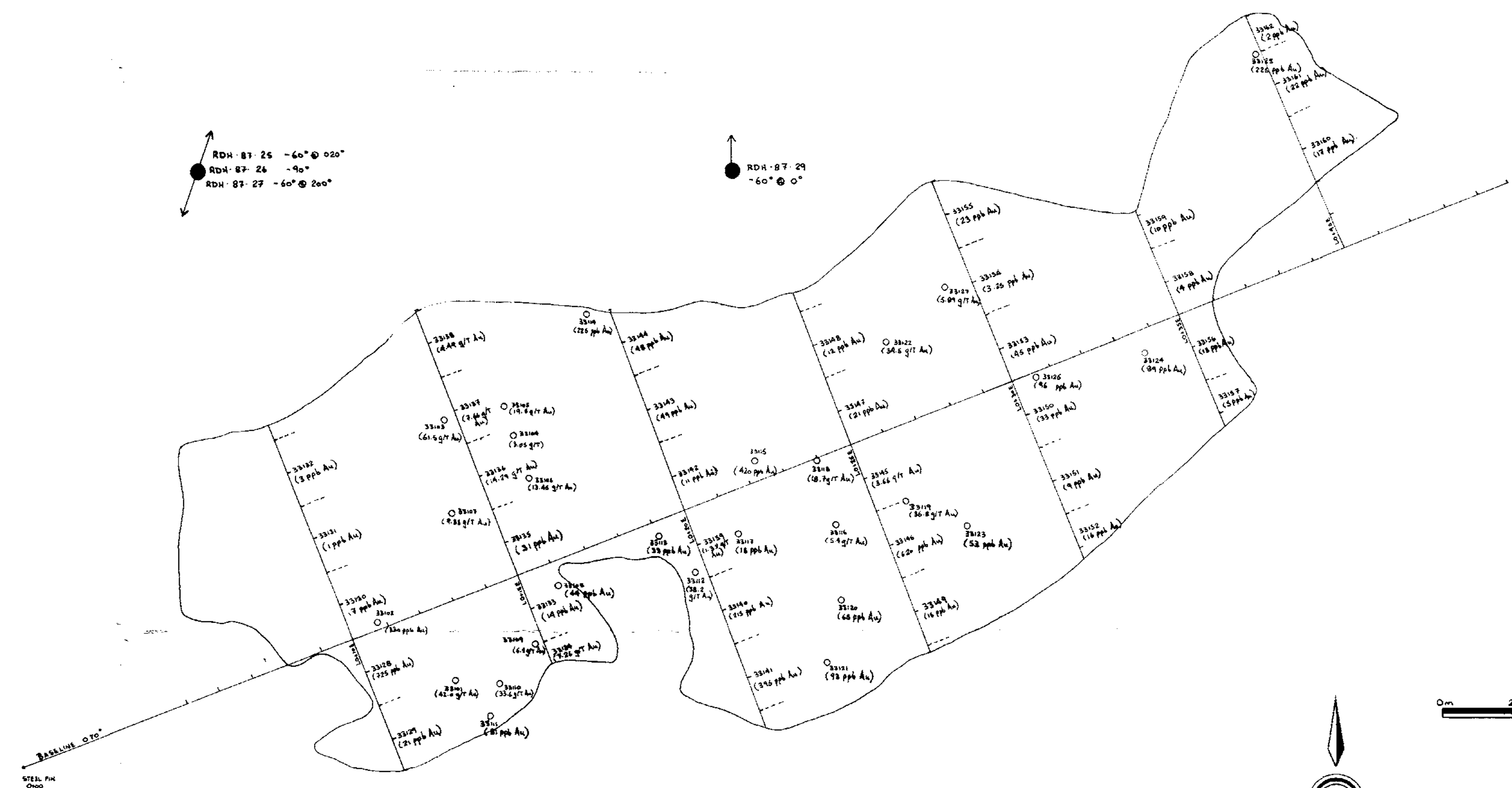
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|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

LEGEND



RDH-87-28  
-60° @ 020°

RDH-87-26 -60° @ 020°  
RDH-87-24 -90°  
RDH-87-27 -60° @ 200°



0m 2m 4m 6m 8m 10m  
1:100

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| <b>HOMESTAKE</b><br><b>MINERAL DEVELOPMENT COMPANY</b>              |       |
| PICTOU PROPERTY: MAIN SHOWING                                       |       |
| GEOLOGY AND GOLD GEOCHEMISTRY                                       |       |
| <b>GEOLOGICAL BRANCH</b><br>A S S A S S I M I L A T E P R O J E C T |       |
| D. H. C.                                                            | 01/88 |
| Revised                                                             |       |

17,546

S

RDH-87-05  
-60° to 340°  
5+00E; 1+55S

Overburden

N

## Lithologies

- 9 andesite  
1 basalt  
2 serpentinite  
3 altered rock  
4 gabbro/diabase  
5 feldspar porphyry  
13 granite  
12 argillite

## LEGEND

## Modifiers

- bi biotite  
ca calcite  
cbt carbonate(dolo.,magnesite)  
chl chlorite  
mp mariposite  
q.v. quartz vein  
saus saussuritized    pyr    pyrargyrite  
sil silicified        sph    sphalerite  
st sericite        tet    tetrahedrite  
cpy chalcopyrite    gr    graphite  
ga galena  
py pyrite

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 05

ARENT II CLAIM

ATLIN, BRITISH COLUMBIA

DRAWN  
DMDATE  
23/11/87

FILE CODE

104/N/11

SCALE

1:200

2

tr-5% thin q.v.

thin gabbrodyke

3 qtz-cbt-mp altered  
trpy, minor tc

No Return

4, intermediate dyke

5% biotite, 5% thin qtz, mp strings

3 qtz-cbt-mp alteration

4, intermediate dyke

strongly carbonatized

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

500  
400  
300  
200  
100  
0  
Au  
ppb

S

RDH-87-06  
 -60° to 340°  
 5+00E; 2+45S

Overburden

15% orange cbt

240

2 massive, dark green  
 strongly magnetic

5% orange cbt

5-20% light blue clay etc

4 tr white  
 46.63m

Au  
 ppb

500  
 400  
 300  
 200  
 100  
 0

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

N

## Lithologies

| LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabbro/diabase    |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

|      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

0 5 10 15 meters

HOMESTAKE

MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
 REVERSE CIRCULATION DRILLING

RDH - 87 - 06

ARENT II CLAIM

ATLIN, BRITISH COLUMBIA

DRAWN  
 DM

DATE  
 23/11/87

FILE CODE

SCALE

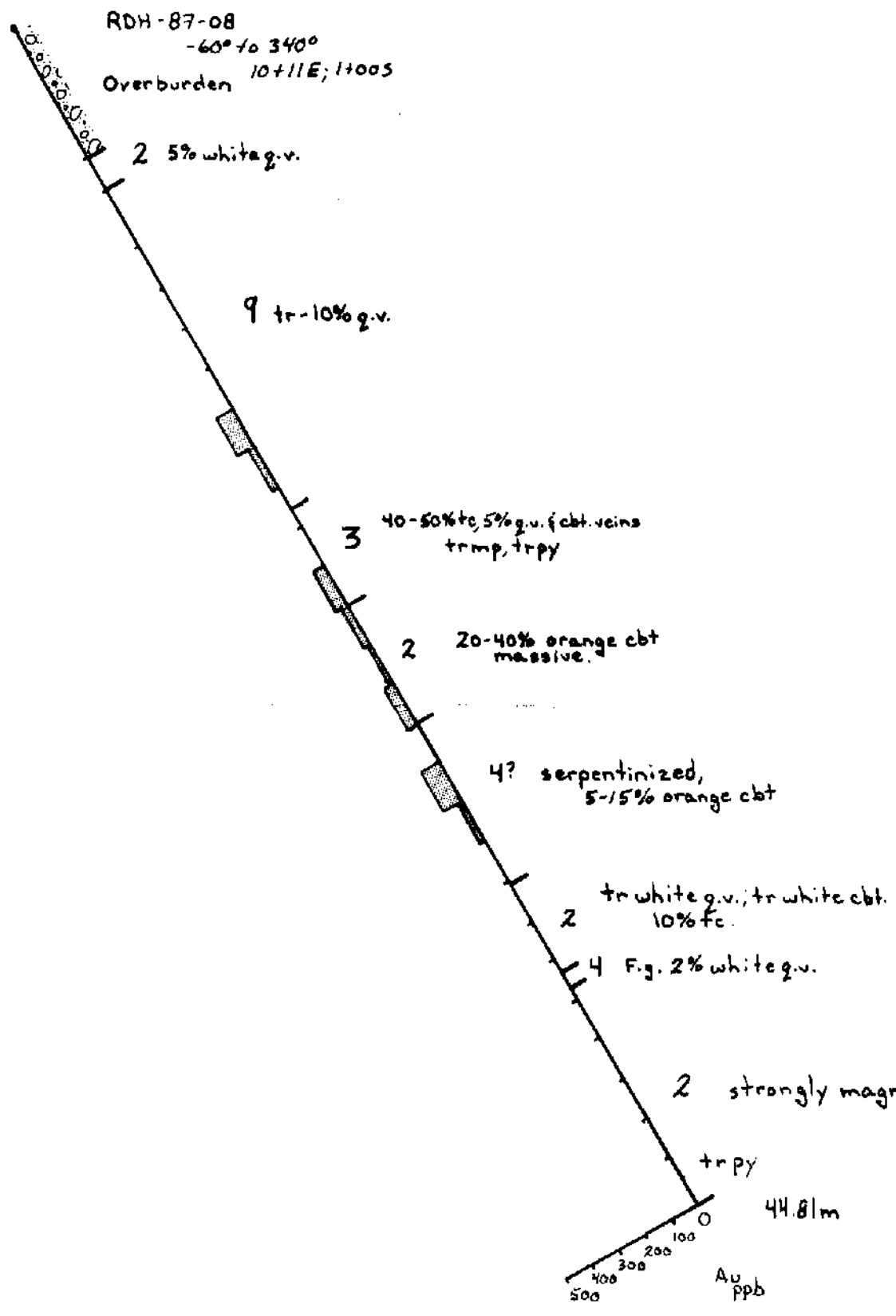
104/N/11

1:200

Revised

17,546

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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Lithologies LEGEND

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo., magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopyrite
- g galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite



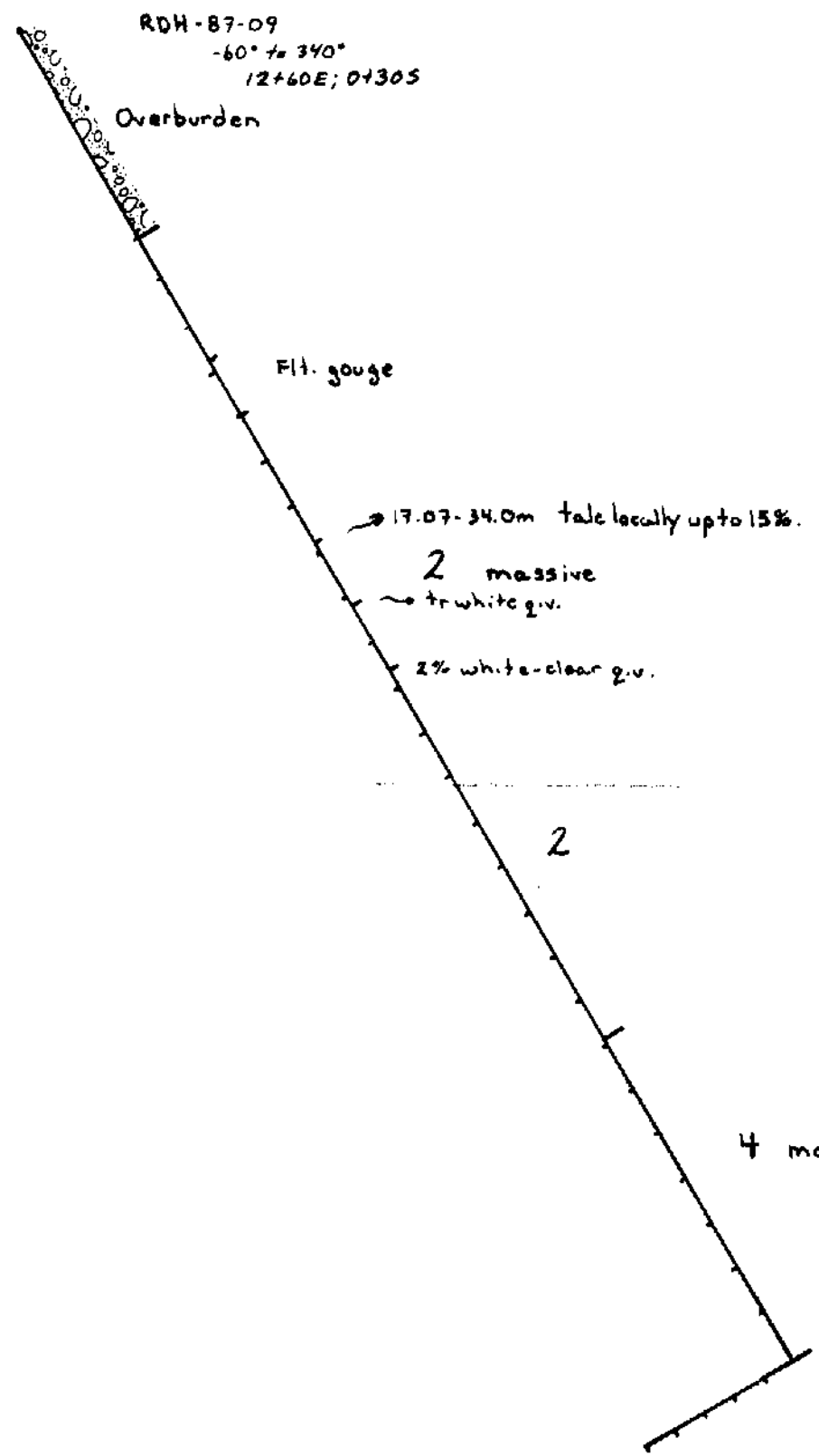
17,546

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY  
ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING  
RDH - 87 - 08  
ARENT II CLAIM  
ATLIN, BRITISH COLUMBIA

|               |                  |                       |                |
|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

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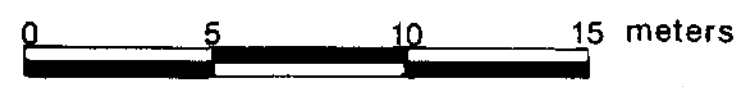


Lithologies LEGEND

- 9 andesite
- 1 basalt
- 2 serpentinite
- 3 altered rock
- 4 gabbro/diabase
- 5 feldspar porphyry
- 13 granite
- 12 argillite

Modifiers

- bi biotite
- ca calcite
- cbt carbonate(dolo.,magnesite)
- chl chlorite
- mp mariposite
- q.v. quartz vein
- saus saussuritized
- sil silicified
- st sericite
- cpy chalcopryrite
- ga galena
- py pyrite
- pyr pyrargyrite
- sph sphalerite
- tet tetrahedrite
- gr graphite

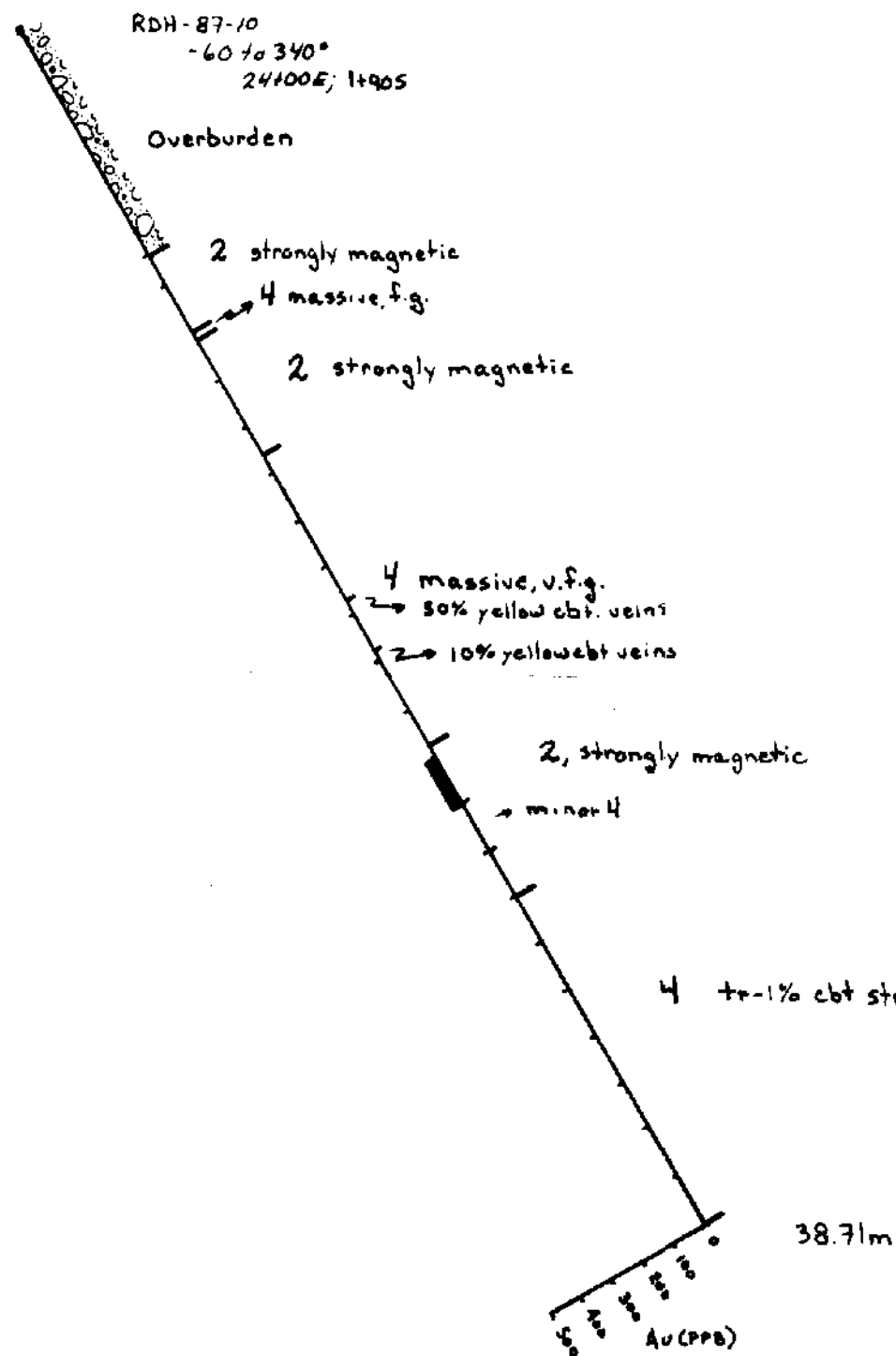


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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|                                                                                                                   |                  |                       |                |
|-------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE<br>MINERAL DEVELOPMENT COMPANY                                                                          |                  |                       |                |
| ATLIN RECONNAISSANCE<br>REVERSE CIRCULATION DRILLING<br>RDH - 87 - 09<br>ARENT I CLAIM<br>ATLIN, BRITISH COLUMBIA |                  |                       |                |
| DRAWN<br>DM                                                                                                       | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____                                                                                                     |                  |                       |                |

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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## Lithologies

| LEGEND |                   |
|--------|-------------------|
| 9      | andesite          |
| 1      | basalt            |
| 2      | serpentinite      |
| 3      | altered rock      |
| 4      | gabbro/diabase    |
| 5      | feldspar porphyry |
| 13     | granite           |
| 12     | argillite         |

## Modifiers

|      |                              |     |              |
|------|------------------------------|-----|--------------|
| bi   | biotite                      |     |              |
| ca   | calcite                      |     |              |
| cbt  | carbonate (dolo., magnesite) |     |              |
| chl  | chlorite                     |     |              |
| mp   | mariposite                   |     |              |
| q.v. | quartz vein                  |     |              |
| saus | saussuritized                | pyr | pyrargyrite  |
| sil  | silicified                   | sph | sphalerite   |
| st   | sericite                     | tet | tetrahedrite |
| cy   | chalcopyrite                 | gr  | graphite     |
| ga   | galena                       |     |              |
| pr   | pyrite                       |     |              |



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

ATLIN RECONNAISSANCE  
REVERSE CIRCULATION DRILLING

RDH - 87 - 10

BEAMA CLAIM

ATLIN, BRITISH COLUMBIA

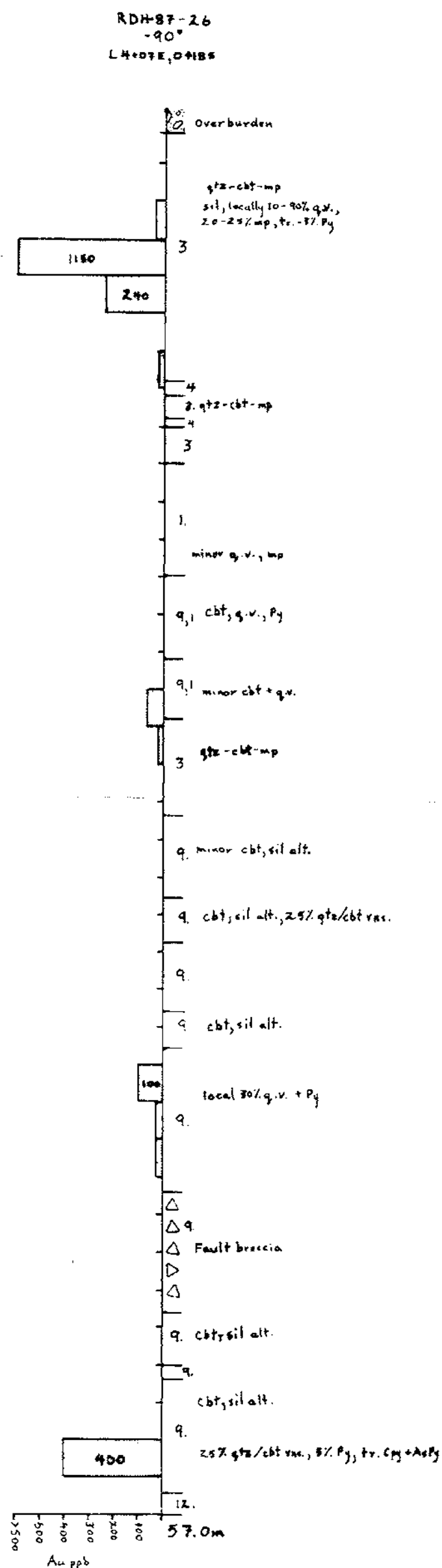
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|---------------|------------------|-----------------------|----------------|
| DRAWN<br>DM   | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised _____ |                  |                       |                |

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## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

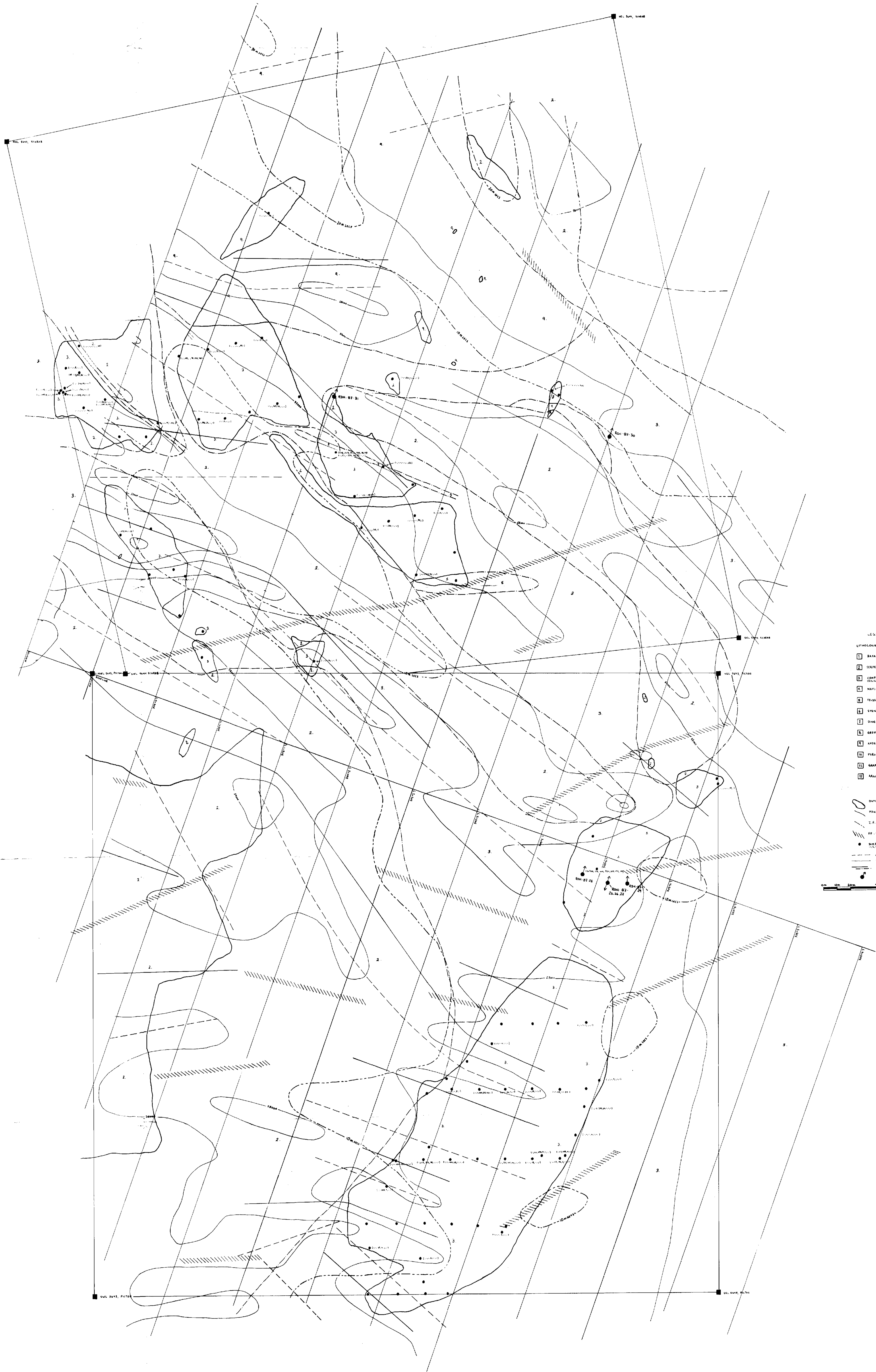
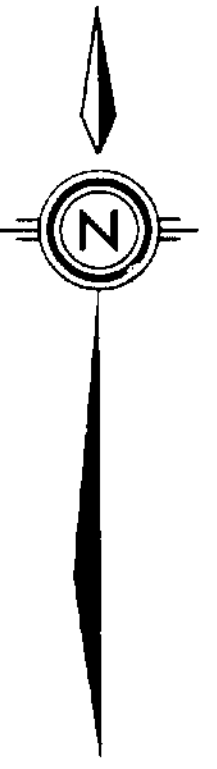
- |      |                             |     |              |
|------|-----------------------------|-----|--------------|
| bi   | biotite                     |     |              |
| ca   | calcite                     |     |              |
| cbt  | carbonate(dolo., magnesite) |     |              |
| chl  | chlorite                    |     |              |
| mp   | mariposite                  |     |              |
| q.v. | quartz vein                 |     |              |
| saus | saussuritized               | pyr | pyrargyrite  |
| sil  | silicified                  | sph | sphalerite   |
| st   | sericite                    | tet | tetrahedrite |
| cpy  | chalcopyrite                | gr  | graphite     |
| ga   | galena                      |     |              |
| py   | pyrite                      |     |              |

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

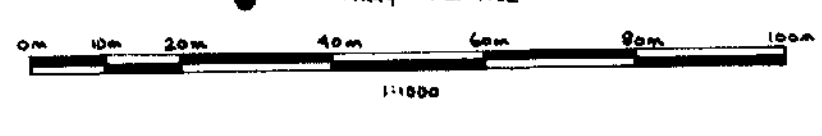
0 5 10 15 meters

|                              |                  |                       |                |
|------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                    |                  | ...                   |                |
| MINERAL DEVELOPMENT COMPANY  |                  |                       |                |
| ATLIN RECONNAISSANCE         |                  |                       |                |
| REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH-87-26                    |                  |                       |                |
| PICTOU PROPERTY              |                  |                       |                |
| ATLIN, BRITISH COLUMBIA      |                  |                       |                |
| DRAWN<br>DM                  | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised                      |                  |                       |                |



- LEGEND
- LITHOLOGIES
- 1 BASALT
  - 2 SERPENTINE (ALTERED ULTRAFISSIONIC INTRUSIVE)
  - 3 COMPLETELY ALTERED (GEOLOGICALLY UNRECOGNIZABLE)
  - 4 MAFIC INTRUSIVE (SEE PLANS)
  - 5 FELSIC INTRUSIVE
  - 6 GNEISS
  - 7 QUARTZITE
  - 8 DIORITE
  - 9 GABBRO
  - 10 AMPHIBOLITE
  - 11 GABBRO (IN UNRECOGNIZED POSITIONS)
  - 12 GABBRO (IN UNRECOGNIZED POSITIONS)
  - 13 GABBRO (IN UNRECOGNIZED POSITIONS)
  - 14 GABBRO (IN UNRECOGNIZED POSITIONS)
  - 15 GABBRO (IN UNRECOGNIZED POSITIONS)

- 0 OUTCROP
- 1 MAGNETIC CONTOUR (1000 GAUSS) (SEE PLANS)
- 2 I.F. CONTOUR (100 GAUSS)
- 3 50-500 (CENTRAL AREA CONTOUR) (SEE PLANS)
- 4 STRUCTURE (SEE PLANS)
- 5 STRUCTURE (SEE PLANS)
- 6 STRUCTURE (SEE PLANS)
- 7 STRUCTURE (SEE PLANS)
- 8 STRUCTURE (SEE PLANS)
- 9 STRUCTURE (SEE PLANS)
- 10 STRUCTURE (SEE PLANS)
- 11 STRUCTURE (SEE PLANS)
- 12 STRUCTURE (SEE PLANS)
- 13 STRUCTURE (SEE PLANS)
- 14 STRUCTURE (SEE PLANS)
- 15 STRUCTURE (SEE PLANS)



HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

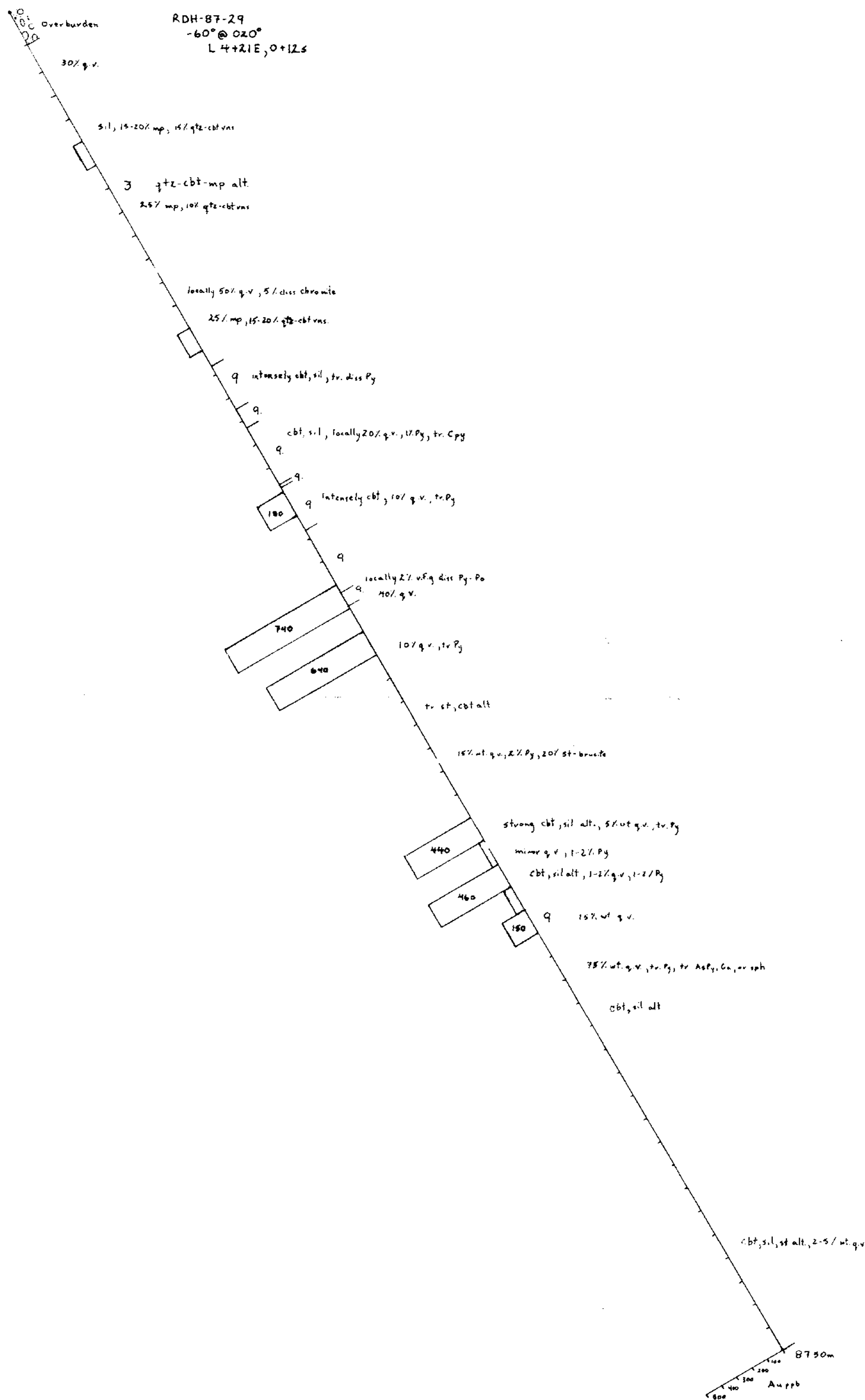


PICTOU PROPERTY

GEOLOGY, GEOPHYSICS AND TRACE ELEMENT  
CORRELATION MAP

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## Lithologies

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

## LEGEND

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

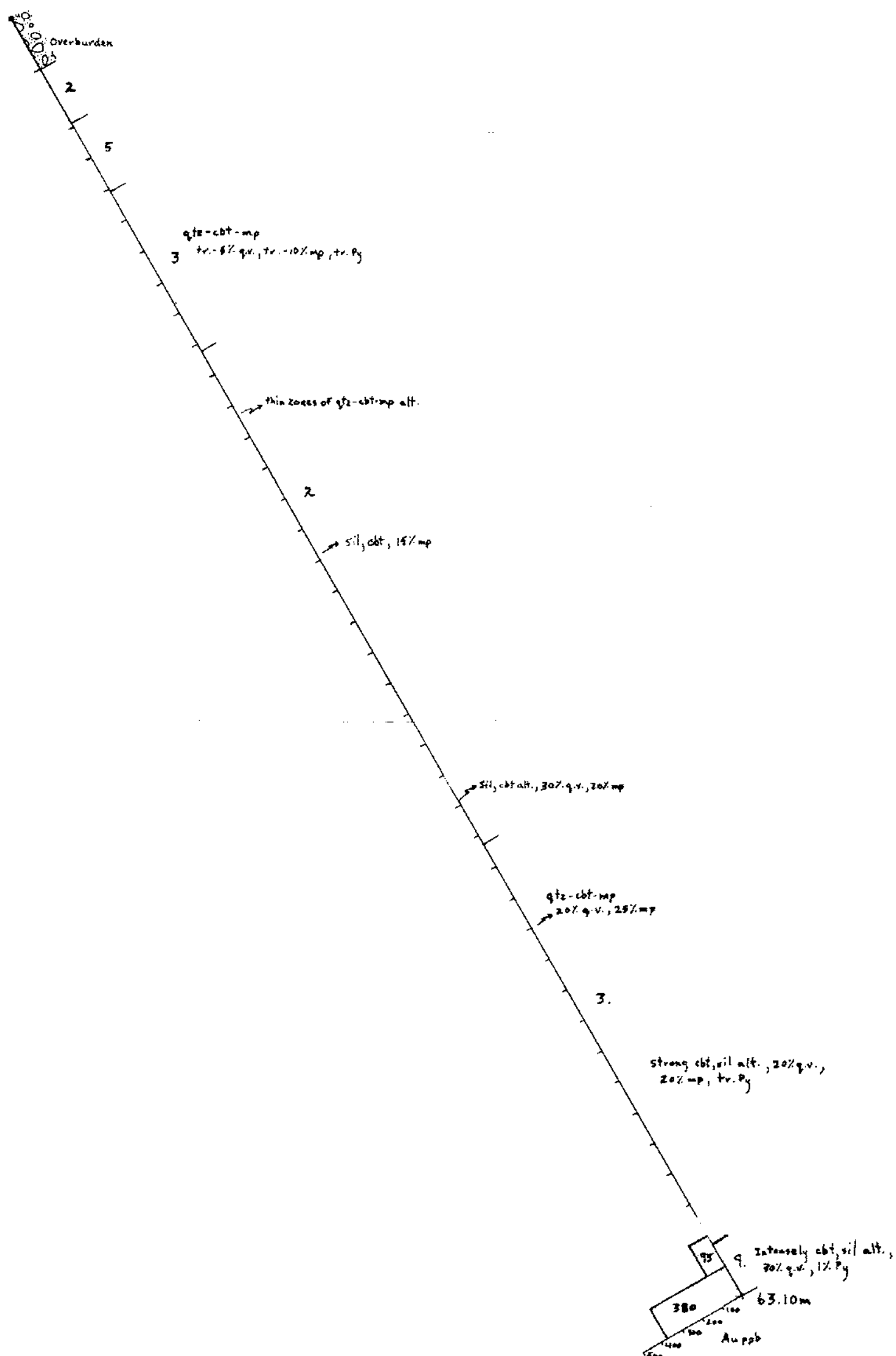
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|                              |                  |                       |                |
|------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                    |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY  |                  |                       |                |
| ATLIN RECONNAISSANCE         |                  |                       |                |
| REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH-87-29                    |                  |                       |                |
| PICTOU PROPERTY              |                  |                       |                |
| ATLIN, BRITISH COLUMBIA      |                  |                       |                |
| DRAWN<br>DM                  | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |

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RDH-87-28  
 -60° @ 020°  
 L 3+87E, 0°18



## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                            |     |              |
|------|----------------------------|-----|--------------|
| bi   | biotite                    |     |              |
| ca   | calcite                    |     |              |
| cbt  | carbonate(dolo.,magnesite) |     |              |
| chl  | chlorite                   |     |              |
| mp   | mariposite                 |     |              |
| q.v. | quartz vein                |     |              |
| saus | saussuritized              | pyr | pyrargyrite  |
| sil  | silicified                 | sph | sphalerite   |
| st   | sericite                   | tet | tetrahedrite |
| cpy  | chalcopyrite               | gr  | graphite     |
| ga   | galena                     |     |              |
| py   | pyrite                     |     |              |

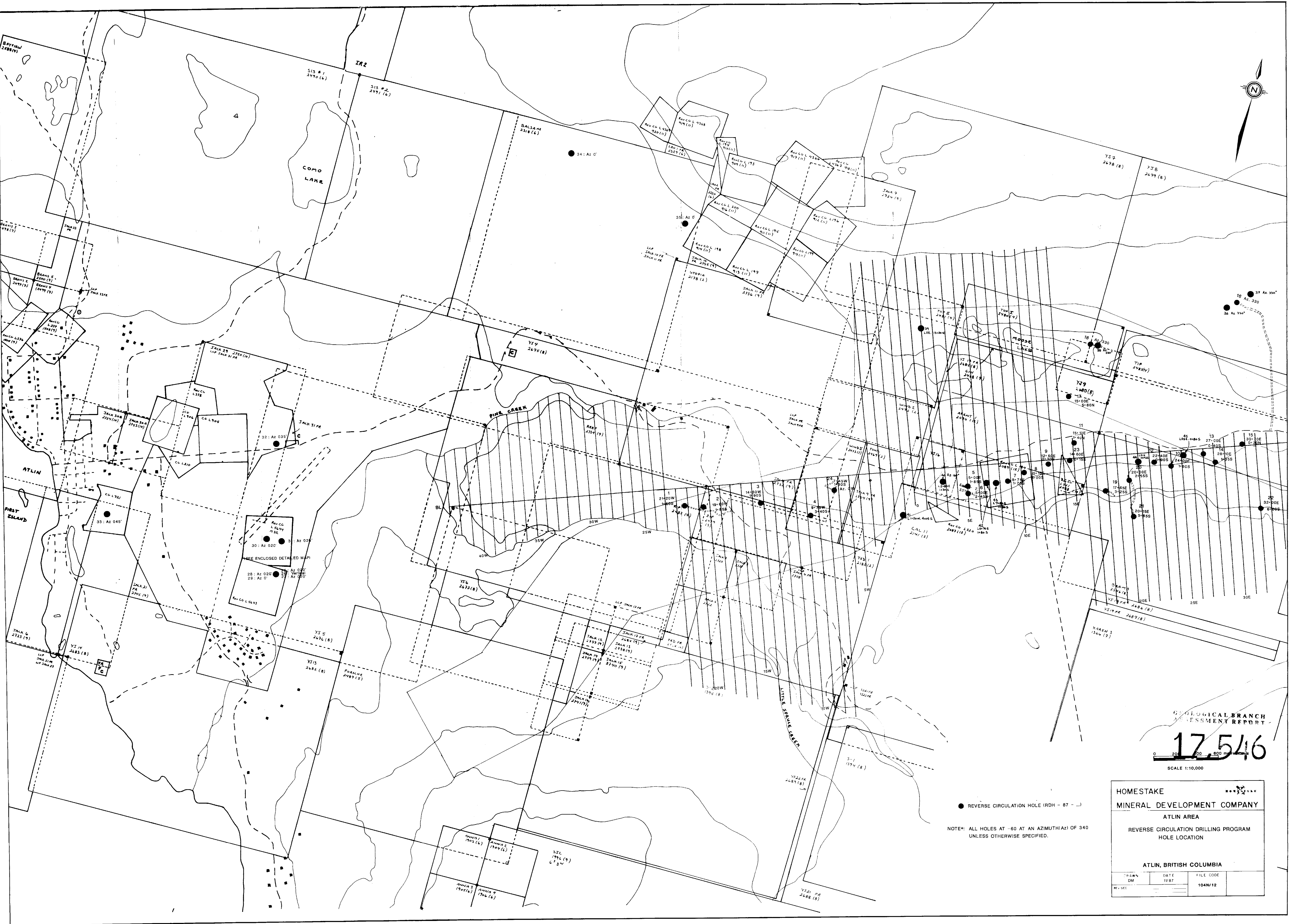
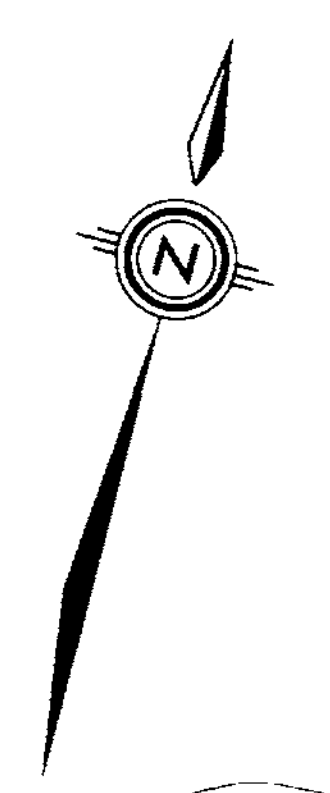
GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,546

0 5 10 15 meters

|                              |                  |                       |                |
|------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                    |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY  |                  |                       |                |
| ATLIN RECONNAISSANCE         |                  |                       |                |
| REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH-87-28                    |                  |                       |                |
| PICTOU PROPERTY              |                  |                       |                |
| ATLIN, BRITISH COLUMBIA      |                  |                       |                |
| DRAWN<br>DM                  | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised                      |                  |                       |                |





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17546**  
SCALE 1:10,000

● REVERSE CIRCULATION HOLE (ROH - 87 - )

NOTE: ALL HOLES AT -60 AT AN AZIMUTH(AZ) OF 340 UNLESS OTHERWISE SPECIFIED.

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

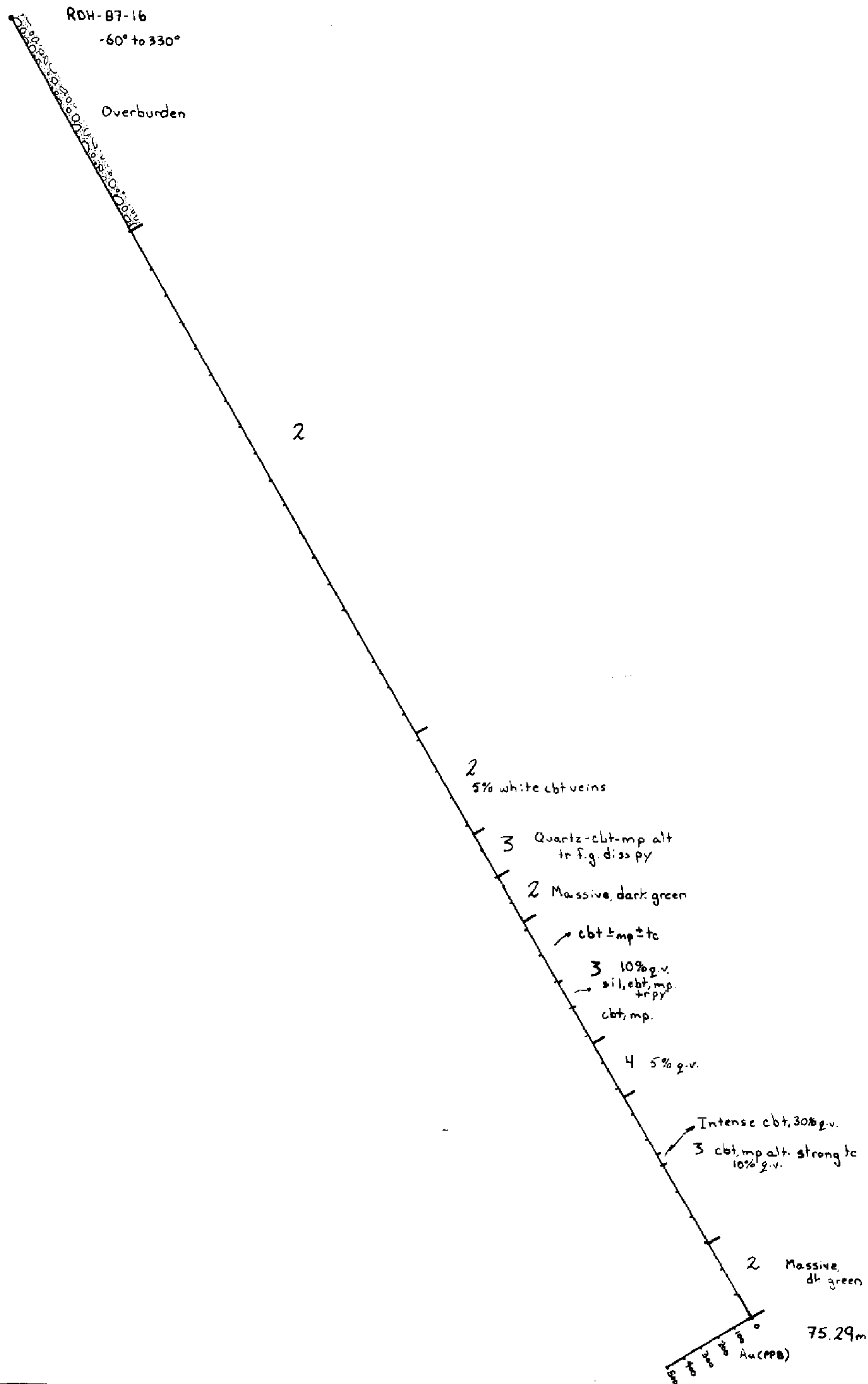
ATLIN AREA  
REVERSE CIRCULATION DRILLING PROGRAM  
HOLE LOCATION

ATLIN, BRITISH COLUMBIA

|      |           |
|------|-----------|
| DATE | FILE CODE |
| 1987 | 104N/12   |

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## Lithologies

## LEGEND

- |    |                   |
|----|-------------------|
| 9  | andesite          |
| 1  | basalt            |
| 2  | serpentinite      |
| 3  | altered rock      |
| 4  | gabbro/diabase    |
| 5  | feldspar porphyry |
| 13 | granite           |
| 12 | argillite         |

## Modifiers

- |      |                             |     |              |
|------|-----------------------------|-----|--------------|
| bi   | biotite                     |     |              |
| ca   | calcite                     |     |              |
| cbt  | carbonate(dolo., magnesite) |     |              |
| chl  | chlorite                    |     |              |
| mp   | mariposite                  |     |              |
| q.v. | quartz vein                 |     |              |
| saus | saussuritized               | pyr | pyrargyrite  |
| sil  | silicified                  | sph | sphalerite   |
| st   | sericite                    | tet | tetrahedrite |
| cpy  | chalcopyrite                | gr  | graphite     |
| ga   | galena                      |     |              |
| py   | pyrite                      |     |              |

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,546

0 5 10 15 meters

|                              |                  |                       |                |
|------------------------------|------------------|-----------------------|----------------|
| HOMESTAKE                    |                  |                       |                |
| MINERAL DEVELOPMENT COMPANY  |                  |                       |                |
| ATLIN RECONNAISSANCE         |                  |                       |                |
| REVERSE CIRCULATION DRILLING |                  |                       |                |
| RDH - 87 - 16                |                  |                       |                |
| YJ 8                         |                  |                       |                |
| ATLIN, BRITISH COLUMBIA      |                  |                       |                |
| DRAWN<br>DM                  | DATE<br>23/11/87 | FILE CODE<br>104/N/11 | SCALE<br>1:200 |
| Revised                      |                  |                       |                |